

NEW PRODUCTS PRICE LIST 2019-20

THE WORLD OF HEATING AND COOLING
IS CHANGING WITH PANASONIC



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About Us

About Us

Panasonic: celebrated two major milestones in 2018

Panasonic

Panasonic Corporation, 100th Anniversary

Look ahead to the "Future," keep taking on challenges. Starting back in 1918, Panasonic has constantly added to its guarantee for innovation, taking tomorrow's technologies and applying them to today's needs.



Always making "people" central to our activities, and thereby focusing on "people's lives," we will continue to provide better living for our customers. This is the unchanging commitment we at Panasonic have had over many years.

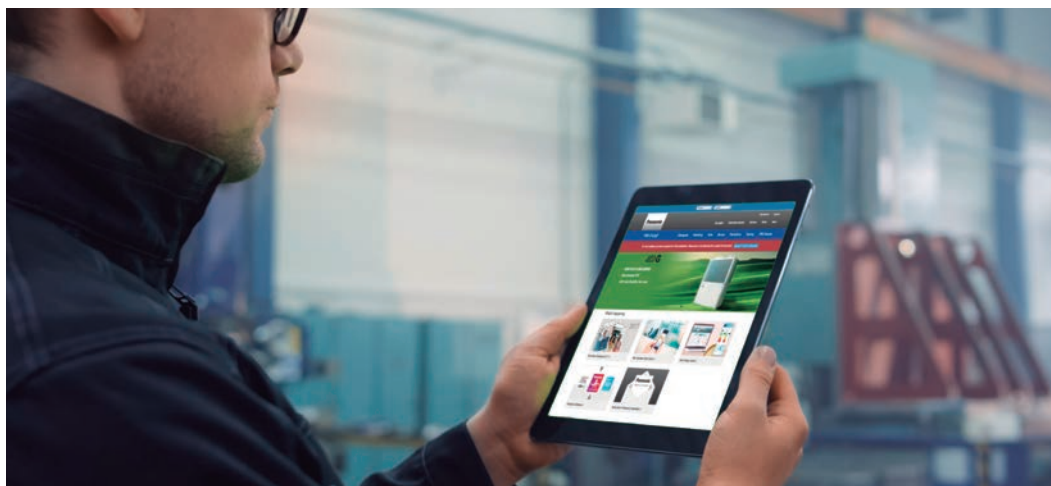
Now, we are aiming to expand our contribution to "better living" everywhere. This means that in the variety of spaces where our customers go about their lives, ranging from inside the home, the office, the store, the automobile, and the airplane, as well as in the town, we will provide not only single pieces of hardware, but also total solutions including software and services. We will pursue the concept of "A Better Life, A Better World," meeting the needs of each individual customer.

To that end, we will leverage the strengths that we at Panasonic have long developed in our consumer electronics business, together with the strengths of our business partners who have in-depth expertise in many areas, and we will work to combine these strengths by pursuing "Cross-Value Innovation." In this way, we will create new value. This is the new and challenging task we are now addressing.

Panasonic Heating and Cooling, 60th anniversary

Panasonic starts with a desire to create things of value. Sixty years ago, as hard work and dedication results in one innovative product after another, the new company took its first steps towards becoming the electronics giant of today. Heating and Cooling Solutions designed and produced by Panasonic since 1958.





Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets. Panasonic PRO Club is the online tool which makes your life easier! You just have to register and a lot of functionalities are freely available to you, where ever you are, from your computer or smartphone!

VRF Designer

Building on the success of the ECOi VRF Designer software, this package provides air conditioning system designers, installers and dealers with a program to design and size projects for Panasonic's VRF ranges.



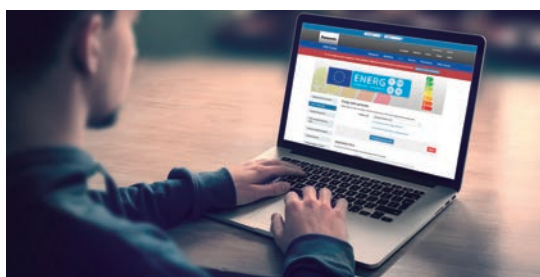
Aquarea Designer

Panasonic provides bespoke software helping system designers, installers and dealers to very quickly design and size systems, create wiring diagrams and issue bills of quantities at the push of a button.



Panasonic helps you to calculate the system label

From 26th September 2015, installers can be assured that all products manufactured after this date will be sold with the required ErP labels which will aid installers with their paperwork. While it is the manufacturer's responsibility to issue their products with the required labels, the installers will need to calculate and issue an efficiency label for the entire heating system. Whether installing a new heating system or installing new boilers, controls or renewables into an existing system, it is, and will continue to be, the installer's responsibility to calculate and issue efficiency labels. Calculators which assist installers with this process are available on the Panasonic Heating and Cooling Solutions website.



PRO Club

Download on
www.panasonicproclub.com or connect
 simply with your smartphone to the PRO
 Club using this QR





Constantly Improving

Panasonic know that the best is always yet to come. This is why their air conditioning and heat pump solutions are constantly upgraded.

They are always looking to improve their technology; finding the most efficient solutions that save our customers money.

Their Technology & Design teams anticipate the needs of tomorrow. Panasonic look to produce smaller, quieter, efficient solutions - with better technological features - that can reduce energy consumption while providing suitable temperature conditions for the user.



A Globally Trusted Brand

With more than 50 years of experience, selling to more than 120 countries around the world, Panasonic is unquestionably one of the leaders in the heating and cooling sector.

With a diverse network of production and R&D facilities, Panasonic delivers innovative products incorporating cutting-edge technologies that set the standard for air conditioners worldwide.

Expanding globally, Panasonic provides superior international products transcending borders.



100% Panasonic

Panasonic is also a world leader in innovation as it has filed more than 91,539 patents to improve its customers' lives.

Moreover, Panasonic is determined to remain at the forefront of its market. In all, the company has produced more than 200 million compressors and its products are manufactured in 294 plants which are located all over the world. You can be assured of the extremely high quality of Panasonic's heat pumps.

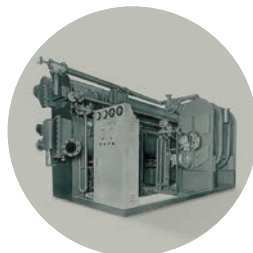
This wish to excel has made Panasonic the international leader in heating and turn-key air conditioning solutions. These offer maximum effectiveness, comply with the strictest environmental standards and meet the most avant-garde construction requirements of our time.

Panasonic starts with a desire to create things of value. As hard work and dedication results in one innovative product after another, the new company took its first steps towards becoming the electronics giant of today.



1958

First room air conditioner launched for domestic installation.



1971

Starts production of absorption chillers.



1973

Panasonic launches the first highly efficient air-to-water heat pump in Japan.



1975

Panasonic becomes the first Japanese air conditioner manufacturer in Europe.



1985

Introduces first GHP (gas heat pump) VRF air conditioner.



1989

Introduces world's first simultaneous 3-Pipe heating/cooling VRF system.



2008

Etherea new concept of air conditioning systems: high efficiency and high performances with a great design.



2010

New Aquarea. Panasonic has created Aquarea, an innovative new, low-energy system.



2012

New GHP units. Panasonic's gas-driven VRF systems are ideal for projects where power restrictions apply.



Looking ahead

New VRF Systems
ECOi EX with
Extraordinary Energy-Saving Performance and Powerful Operation.

Reliable comfort comes from reliable technologies

Today, Panasonic air conditioners have earned widespread acclaim throughout the world. A rugged design ensures that the air conditioner will continue to keep the room comfortable, and operate trouble-free for many years.

Panasonic believes this is the true value of an air conditioner, and this is why we subject them to a wide range of stringent tests.



Long Term Durability Test

The air conditioner's main mission is to provide a level of durability that allows it to operate stably for years. In order to achieve this, we conduct an accelerated test for 10,000 hours of continuous operation. The results of this test, which is conducted under conditions that are much more severe than actual operating conditions, prove the rugged strength of Panasonic air conditioners.



Compressor Disassembly Test

After a test with 10,000 hours of continuous operation, we remove the compressor from a randomly selected outdoor unit, disassemble it, then examine the internal mechanisms and parts for possible failure. Panasonic air conditioners continue to provide their designed performance for many years even after prolonged operation under harsh conditions.



Operating Test in Harsh Conditions

In addition to normal operating conditions, an operating durability test is conducted in a high-temperature, high humidity test chamber at a temperature of 55°C. For use in cold climates, the test is also conducted in a low temperature test chamber at -20°C. This test assures that the oil inside the compressor will not freeze during use and interrupt operation.



Waterproof Test

The outdoor unit, which is subject to rain and wind, is provided with IPX4 waterproof compliance. Contact sections on printed circuit boards are also resin-potted to prevent adverse effects caused by an unlikely exposure to droplets of water.



Drop Test

Even with the large impacts that may occur due to improper handling during transportation, the product packaging has been strengthened to prevent it from being damaged. In addition to conventional vertical dropping, more severe conditions in which the sides or corners hit the floor first are carefully tested to ensure that the product's rigidity and shock-absorbing materials work to prevent problems.



Vibration Test

Preventing damage that would hinder the product's performance due to vibration during transport is a major role of the packaging. Panasonic confirms that the product operates properly even after applying vibrations in both horizontal and vertical directions.



Warehouse Storage Test

During distribution, products may be subjected to extended warehouse storage under unfavourable conditions. To simulate these conditions, we place a weight equal to a stack of five product packages on top of the test package, and leave it in that condition in a room at a temperature of 27°C and a humidity level of 85%. Then, the product is checked for proper operation.



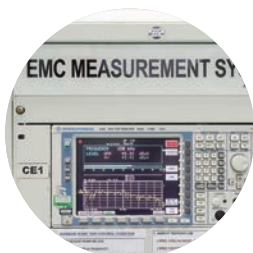
Noise Test

The operating noise of the indoor and outdoor units is measured in an echo-free chamber. The noise test verifies that the operating noise is low enough so that the product operation will not disturb daily activities including conversations and sleep.



Amenity Test

An actual air conditioner is operated in a test room that simulates an ordinary living room. Conditions such as the amount of sunlight entering the room from outside are changed while measuring a variety of parameters, such as cooling speed, cooling efficiency, temperature and humidity differences throughout the room. This makes it possible to confirm whether the air conditioner is operating at its designed performance level under ordinary conditions.



EMC (Electromagnetic Compatibility) Test

This test determines whether electromagnetic waves emitted during operation are sufficiently low to prevent adverse effects, i.e., electrical noise, on signals such as TV and radio broadcasts.



Remote Control Drop Test

Because the remote control is the main interface between people and the air conditioner, it is naturally subjected to frequent impacts - such as drops and bumps - when it is passed from person to person during normal operation. Panasonic drops the remote control from a height of 1.5 meters at various angles to ensure that no problems in basic performance will result from accidental dropping.



Panasonic is leading the change on adopting renewable energy sources. Panasonic has consolidated its residential and commercial air-conditioning ranges with less than 3kg of refrigerant, including its newly designed RAC floor consoles, split, multi-split and cassettes, to be compatible with R32.

Panasonic recommend R32 because it is environmental friendly. Compared to R22 and R410A, R32 has a very low potential impact on the depletion of ozone layer and global warming. After successfully

leading the introduction of R32 in Japan, Panasonic is ready to drive the refrigerant change in Europe.

According to 2014 EU F-Gas Regulation (517/2014), Europe must reduce the Global Warming Performance year by year. This regulation defines how each industry needs to contribute to reach the total European target. In the air-conditioning industry this affects Single Split air-conditioning systems containing less than 3kg of fluorinated greenhouse gases. The refrigerant within this system must be less than 750 GWP by the year 2025. Panasonic is ready now (in 2018) to supply any kind of Residential Single Split and Multi Split system with up to 5 ports in addition to Commercial Splits of up to 14kW.

R32 has a much lower impact on global warming when compared to its blended predecessors - its Global Warming Potential (GWP), is significantly lower than that of R410A.

When considering future legislation and the anticipated reduction in the availability of refrigerants, plus a drive towards the use of lower GWP refrigerants; Panasonic products will be future proofed.

R32 is also a more efficient alternative to R410A, with realistic efficiency increases of up to 10%, leading to significant energy savings for building services managers.

As R32 is already a familiar component of R410A, the switch doesn't present any new challenges to installers. Procedures including piping and testing remain the same. There may be a need for slightly different tooling, such as recovery systems and leak detectors (see pg. 6), but again this should not present a significant challenge. As with all refrigerants, R32 must be safely handled at all times and spaces properly ventilated when it is being charged and recovered from air conditioning units.

Not everyone is ready for change. Indeed, there are some who resist the future, but we believe in technologies that improve people's lives.

Which is why Panasonic strive to make our air conditioners highly reliable and surprisingly efficient, with minimum noise impact and the lowest environmental footprint possible. To all that we then add sophisticated and elegant designs.

Panasonic will be offering comprehensive training and information on R32 over the coming months, to help installers get to grips with the new technology.



Panasonic Premier Rewards

An introduction

Panasonic

We are delighted to invite you to Panasonic Premier Rewards, our new reward scheme in conjunction with Panasonic.

This exciting programme allows your company to build Panasonic Premier Reward Points on all purchases of Panasonic Heating and Cooling products purchased through us. For every £1 spent on qualifying products, you will earn one Panasonic Premier Reward Point. On a monthly basis, your Reward Points will be accumulated and once you've earned enough points you can redeem them as Love2Shop vouchers.



Example:

£1000 spent on Panasonic Heating & Cooling products = 1000 points = £14 to spend in Love2Shop Vouchers* †

There is no minimum spend to join the Panasonic Premier Reward Scheme or to receive Panasonic Premier Reward Points, although the minimum amount of Love2Shop vouchers you are able to redeem is £5.

Why Love2Shop

Panasonic is offering Love2Shop Rewards thanks to the wide variety of ways you can spend those rewards. Love2Shop also offers a very straightforward process for you to shop online, or in person. Love2Shop have over 20,000 outlets to spend their rewards, and it is also possible to collect Reward Cards together for larger purchases that are available on the Love2Shop network for unforgettable experiences such as a holiday, golf break or hotel stay.

Administration of the scheme

The scheme will be operated by Wildwood PR in conjunction with Panasonic. All correspondence will come directly from Wildwood PR, so you can be assured that we will not be sharing your data with third parties.

The Panasonic Heating & Cooling solutions portfolio spans residential and commercial HVAC equipment, heat pumps and cloud services – all of which qualify for Panasonic Premier Rewards.

* See terms and conditions at www.aircon.panasonic.eu/GB_en/downloads/others/

† See terms and conditions, rewards only available in full pounds, no pence

The scheme applies to all purchases of Panasonic Heating & Cooling products that you buy through us. From each purchase, you will collect Points that will build up and be exchanged for Love2Shop vouchers. You will receive a monthly statement from Wildwood PR detailing your available points balance, pending points (points on invoices awaiting payment), and points due to expire (points are valid for 12 months from date of invoice).

We aim to provide a great service and if you have any questions, please do pick up the phone and talk to us, we'll be happy to explain everything.

Love2Shop rewards can be supplied as either E-codes for online use, or as physical gift cards to spend in a choice of over 20,000 stores with the additional flexibility of offering other services such as holidays, days out, experience days and golf breaks. The rewards can be redeemed as a combination of physical cards or e-codes, but please note, that in any given month, you must choose one option only of how you are to receive your rewards.

Gift card reward

- Step 1:** Purchase any Panasonic Heating and Cooling product from us.
- Step 2:** We will calculate the appropriate points
- Step 3:** You will receive you monthly points statement. To initiate your L2S rewards you must reply.
- Step 4:** You will receive them from us or the scheme administrator.
- Step 5:** **GO SHOPPING.**

E-code reward

- Step 1:** Purchase any Panasonic Heating and Cooling product from us.
- Step 2:** We will calculate the appropriate points.
- Step 3:** You will receive your monthly points statement. To initiate your L2S rewards you must reply
- Step 4:** Once Wildwood has received your reply, rewards will be ordered and despatched
- Step 5:** You will need to click on the L2S link within the e-mail and **GO SHOPPING.**



Accepted at over 130 leading retailers including...



For the latest list of accepting retailers, please visit www.love2shop.co.uk/love2shop-vouchers.
*Restrictions apply - see www.love2shop.co.uk for full details.

* See terms and conditions

Warranty

Enhanced warranty scheme



Panasonic – leading the way in Heating and Cooling. With more than 30 years of experience, selling to more than 120 countries around the world, Panasonic is unquestionably one of the leaders in the heating and cooling sector. Applying advanced technologies that truly make life better; we live by an unparalleled commitment to product quality. Panasonic is building on the Japanese tradition of uncompromising quality control worldwide, developing and manufacturing fine products and delivering them to customers everywhere.

Panasonic has developed a warranty scheme that promotes the quality that the brand imbues. There are 3 levels of warranty,

- STANDARD - 3 YEARS
- EXTENDED - 5 YEARS
- EXTENDED+ - 7 YEARS



All of our warranties benefit from full parts and labour allowance, providing peace of mind to the End User. The Installer will benefit from gaining training and understanding of Panasonic products. In turn the installer will be able to provide the End User a longer, more comprehensive warranty.

	Warranty period	Extension option	Fgas (Required)	Registration requirements		Training	Maintenance	Warranty Coverage
				Panasonic	Refcom			
STANDARD	3	Extended	Y ¹	N	Y ²	N ⁴	Annually	Full
EXTENDED	5	Extended+	Y ¹	Y ²	Y ²	Y ⁵	Annually	Full
EXTENDED+	7	N	Y ¹	Y ³	Y ²	Y ⁵	Annually	Full

- 1) Not required for A2W Monobloc installations (For Extended and Extended +, Installer should have relationship with local Fgas)
- 2) Installers must be registered with either Panasonic with Refcom or another affiliated body
- 3) Projects must be registered with Panasonic
- 4) No training required (Basic knowledge of Heat Pumps Required for A2W)
- 5) Panasonic training required (Panasonic approved training courses - content provided by Panasonic)*

* Training accreditation reference provided by Panasonic following completion of training course required for extended warranty claims



RAC Residential

Welcome to the Domestic Range

Panasonic has developed a range of products designed for you, better than ever before.

With its innovative design, high efficiency and incomparable purification system, the Etherea range has been designed with your clients in mind. Above all, it is also a range for air conditioning professionals, such as yourself, thanks to its broad range of products which are capable of conditioning rooms of all sizes – always with optimal efficiency and incomparable ease of installation. The Etherea range guarantees that you are offering your clients the very best.

**Go green
Go clean
Go your way**

Panasonic Air Conditioners are designed to provide more than just comfort cooling to homes. They save energy. They purify your surroundings. They adjust cooling power to suit your living spaces and styles. Living an eco-lifestyle your way is now easier than ever.



Panasonic air conditioners provide more savings and more comfort

We believe that going green shouldn't compromise on comfort. That's why Panasonic is introducing the new Econavi system; combining human sensor and control program technology to detect and reduce energy waste by 38% .

Our super silent air conditioners guarantee the purest air to take care of you and your family. And, for a cleaner living environment, the new Nanoe helps purify the air as well as your surroundings. Together, these breakthrough technologies define what Panasonic's Eco Clean Life Innovation is all about – innovations that improve our environment while making life as comfortable as possible.

INTELLIGENT ECO SENSORS

ECONAVI

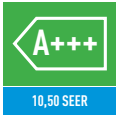
nanoe™



Highlighted Features (vary by model)



Intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduce waste by optimising air conditioner according to room conditions. With just one touch of a button, you can save energy.



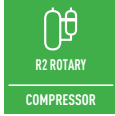
Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher SEER ratings mean greater efficiency. Save all the year while cooling!



Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher SCOP ratings mean greater efficiency. Save all the year while heating!



The A Inverter system provides energy savings of up to 50%. Both you and nature wins!



Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, it delivers high performance and efficiency.



New nanoe™ utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould.



Particulate matter (PM2.5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. Sized at 2,5µm, these particles are said to pose health problems as they can easily enter our lungs.



With Super Quiet technology our devices are much more quiet than a library (30dB(A)).



The Perfect Humidity Air controls the humidity level in the air to prevent over-dryness.



More comfort with Aerowings. Direct airflow to ceiling to create shower cooling effect by twin flap built in indoor.



Down to -15°C in heating mode. The air conditioner works in heat pump mode with an outdoor temperature as low as -15°C.



Summer House, this innovative function keeps the house at 7/8°C to avoid freezing pipes during the winter. This function is highly appreciated in summer house or week end houses.



The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A systems.



The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.



Down to -10°C in cooling only mode. The air conditioner works in cooling only mode with an outdoor temperature of -10°C.



The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.



Internet Control is a next generation system providing a user-friendly remote controller of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.



New Domestic integration to P-Line - CZ-CAPRA1. Can connect all ranges to P-Line. Full control is now possible.

		Single Split Systems							
		Nominal Cooling							
		2.0	2.5	3.5	4.2	5.0	6.3	6.8 - 7.1	
R410A	Wall Mounted FE		✓ (23)	✓ (23)		✓ (23)			
	Wall Mounted TE	✓ (24)	✓ (24)	✓ (24)	✓ (25)	✓ (25)	✓ (25)		
	600 x 600 Compact Cassette		✓ (40)	✓ (40)		✓ (40)	✓ (40)		
	Floor Console		✓ (43)	✓ (43)		✓ (43)			
	Low Static Ducted		✓ (45)	✓ (45)		✓ (45)			

		Single Split Systems							
		Nominal Cooling							
		2.0	2.5	3.5	4.2	5.0	6.0 - 6.3	6.8 - 7.1	
R32	Wall Mounted FZ		✓ (26)	✓ (26)		✓ (27)	✓ (27)		
	Wall Mounted TZ	✓ (28)	✓ (28)	✓ (28)	✓ (28)	✓ (29)	✓ (29)	✓ (29)	
	Wall Mounted Etherea TKE (White)	✓ (30)	✓ (30)	✓ (30)	✓ (31)	✓ (31)		✓ (31)	
	Wall Mounted Etherea TKE (Silver)	✓ (32)	✓ (32)	✓ (33)		✓ (33)			
	Wall Mounted Etherea VKE (White)	✓ (34)	✓ (34)	✓ (34)	✓ (35)	✓ (35)		✓ (35)	
	Wall Mounted Etherea VKE (Silver)	✓ (36)	✓ (36)	✓ (37)		✓ (37)			
	600 x 600 Compact Cassette		✓ (41)	✓ (41)		✓ (41)	✓ (41)		
	Floor Console		✓ (44)	✓ (44)		✓ (44)			
	Low Static Ducted		✓ (46)	✓ (46)		✓ (47)	✓ (47)		

		Multi Split Systems													
R410A	Free Multi Type E	Nominal Cooling		3.6			4.5			5.2	5.2	6.8	6.8	8.0	10.0
		Max Indoor Units		2			2			2	3	3	4	4	5
		Page		46			46			46	46	47	47	47	47
R32	Free Multi Type Z	Nominal Cooling	3.5		4.1				5.0		5.2	6.8	6.8	8.0	10.0
		Max Indoor Units	2		2				2		3	3	4	4	5
		Page	50		50				50		50	51	51	51	51



System Reference			KIT-FE25-UKE	KIT-FE35-UKE	KIT-FE50-UKE
Indoor Unit			CS-FE25UKE	CS-FE35UKE	CS-FE50UKE
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-FE25UKE	CU-FE35UKE	CU-FE50UKE
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.40 (0.85 - 3.90)	5.00 (0.98 - 5.40)
	UK Cooling (Total - Sensible)	kW	2.21 - 2.14	3.26 - 2.80	4.43 - 3.33
	Nominal Heating (Range)	kW	3.15 (0.80 - 3.60)	3.84 (0.80 - 4.40)	5.40 (0.98 - 7.50)
	UK Heating	kW	2.51	3.06	5.24
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.20 - 3.80	6.10 - 3.80	6.20 - 3.90
	Energy Efficiency Class (Cool / Heat)		A++ / A	A++ / A	A++ / A
	EER - COP (Cooling - Heating)		3.57 - 3.99	3.12 - 3.66	2.98 - 3.38
	Energy Label (Cooling / Heating)		A / A	B / A	C / C
	Annual Electricity Cons. (Cool - Heat)	kWh/a	141 - 700	195 - 884	282 - 1436
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 1.9	3.4 - 2.4	5.0 - 4.0
	Heating Capacity at -7°C	kW	2.14	2.60	4.58
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
	Weight (Indoor - Outdoor)	kg	8 - 26	8 - 27	9 - 38
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	172 - 183	178 - 187	193 - 208
	Moisture Removal Volume	l/h	1.5	2.0	2.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	508 - 508	518 - 518	545 - 545
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	24 - 27 - 37	25 - 33 - 38	34 - 37 - 44
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 49	48 - 50	48 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5	7.5
	R410A Charge (Factory - Additional)	kg - g/m	0.66 - 15	0.86 - 15	1.34 - 20
	GWP (Tonnes CO2 Equivalent)		1.38	1.80	2.80
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	3.10 - 3.50	4.90 - 4.60	7.50 - 7.20
	Input Power (Cooling - Heating)	kW	0.70 - 0.79	1.09 - 1.05	1.68 - 1.60
	Suggested Fuse Size	A	6	10	13
	Indoor Unit		£227	£247	£359
	Outdoor Unit		£350	£407	£598
	Retail Price		£577	£654	£957

Accessories

CZ-RD514C

Wired remote controller for wall type - £102

CZ-CAPRA1

Interface to connect to ECOi (P-Link) control - £135

CZ-TACG-1

Wifi adapter - £95

A++

4.20 SEER

A

3.90 SCOP

INVERTER

R2 ROTARY COMPRESSOR

20dB(A) SUPER QUIET

R22 RENEWAL R410A

INTEGRATION P-LINE

INTERNET CONTROL

BMS CONNECTIVITY

SEER and SCOP: For KIT-FE50-UKE. SUPER QUIET: For KIT-FE25-UKE and KIT-FE35-UKE. INTERNET CONTROL: Optional.

System Reference		KIT-TE20-TKE		KIT-TE25-TKE		KIT-TE35-TKE	
Indoor Unit		CS-TE20TKEW		CS-TE25TKEW		CS-TE35TKEW	
Infrared Remote Controller		Included		Included		Included	
Outdoor Unit		CU-TE20TKE		CU-TE25TKE		CU-TE35TKE	
PERFORMANCE	Nominal Cooling (Range)	kW	2.00 (0.75 - 2.40)	2.50 (0.85 - 3.00)	3.50 (0.85 - 3.90)		
	UK Cooling (Total - Sensible)	kW	1.88 - 1.86	2.99 - 2.23	3.24 - 2.91		
	Nominal Heating (Range)	kW	2.70 (0.70 - 3.60)	3.30 (0.80 - 4.10)	4.00 (0.80 - 5.10)		
	UK Heating	kW	2.51	2.91	3.61		
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.10 - 4.00	6.10 - 4.10	6.10 - 4.10		
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+		
	EER - COP (Cooling - Heating)		3.77 - 3.97	3.73 - 4.07	3.43 - 3.74		
	Energy Label (Cooling / Heating)		A / A	A / A	A / A		
	Annual Electricity Cons. (Cool - Heat)	kWh/a	115 - 665	143 - 820	201 - 956		
	Pdesign (Cooling - Heating at -10°C)	kW	2.0 - 1.9	2.5 - 2.4	3.5 - 2.8		
	Heating Capacity at -7°C	kW	2.14	2.70	3.30		
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C		
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C		
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197		
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289		
	Weight (Indoor - Outdoor)	kg	8 - 26	8 - 27	8 - 32		
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	167 - 182	182 - 193	197 - 208		
	Moisture Removal Volume	l/h	1.3	1.5	2.0		
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	520 - 495	500 - 482	478 - 507		
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	20-25-37 C / 22-26-38 H	20-26-40 C / 22-27-40 H	20-30-42 C / 22-33-42 H		
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	47 - 48	48 - 50		
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"		
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15		
	Pre-Charged For	m	7.5	7.5	7.5		
	R410A Charge (Factory - Additional)	kg - g/m	0.66 - 15	0.77 - 15	0.95 - 20		
	GWP		1.378	1.608	1.984		
	Suitable For Replacement Tech.		Yes	Yes	Yes		
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID		
	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50		
POWER	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E		
	Running Current (Cooling - Heating)	A	2.40 - 3.05	3.00 - 3.60	4.55 - 4.70		
	Input Power (Cooling - Heating)	kW	0.53 - 0.68	0.67 - 0.81	1.02 - 1.07		
	Suggested Fuse Size	A	6	6	6		
Indoor Unit			£268	£300	£334		
Outdoor Unit			£388	£459	£545		
Retail Price			£656	£759	£879		



CS-TE20-42TKEW



Included


Optional Wired Controller
CZ-RD514C - £102


CU-TE25-35TKE

System Reference			KIT-TE42-TKE	KIT-TE50-TKE	KIT-TE60-TKE
Indoor Unit			CS-TE42TKEW	CS-TE50TKEW	CS-TE60TKEW
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-TE42TKE	CU-TE50TKE	CU-TE60TKE
PERFORMANCE	Nominal Cooling (Range)	kW	4.20 (0.85 - 4.60)	5.00 (0.98 - 5.60)	6.30 (0.98 - 7.10)
	UK Cooling (Total - Sensible)	kW	3.84 - 3.17	4.45 - 4.05	5.76 - 4.94
	Nominal Heating (Range)	kW	5.00 (0.80 - 6.80)	5.80 (0.98 - 7.80)	7.20 (0.98 - 8.50)
	UK Heating	kW	4.70	2.55	3.05
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.60 - 3.80	6.50 - 4.10	6.20 - 4.00
	Energy Efficiency Class (Cool / Heat)		A+ / A	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		3.28 - 3.65	3.36 - 3.72	3.20 - 3.38
	Energy Label (Cooling / Heating)		A / A	A / A	A / C
	Annual Electricity Cons. (Cool - Heat)	kWh/a	263 - 1326	269 - 1366	356 - 1610
	Pdesign (Cooling - Heating at -10°C)	kW	4.2 - 3.6	5.0 - 4.0	6.3 - 4.6
	Heating Capacity at -7°C	kW	3.90	4.66	5.24
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 799 x 197	302 x 1102 x 244	302 x 1102 x 244
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	8 - 32	12 - 40	12 - 42
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	205 - 215	332 - 347	298 - 315
	Moisture Removal Volume	l/h	2.4	2.8	3.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	560 - 567	653 - 632	837 - 837
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	29-31-44 C / 28-35-44 H	34-37-44 C / 34-37-44 H	34-37-45 C / 34-37-45 H
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 51	48 - 49	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 20 / 15	3 - 30 / 15
	Pre-Charged For	m	7.5	7.5	10
	R410A Charge (Factory - Additional)	kg - g/m	1.01 - 20	1.38 - 20	1.34 - 30
	GWP		2.109	2.881	2.798
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	5.65 - 6.05	6.70 - 7.00	8.70 - 9.50
	Input Power (Cooling - Heating)	kW	1.28 - 1.37	1.49 - 1.56	1.97 - 2.13
	Suggested Fuse Size	A	6	6	6
Indoor Unit			£380	£415	£595
Outdoor Unit			£670	£705	£790
Retail Price			£1,050	£1,120	£1,385

Accessories

- CZ-RD514C Wired remote controller for wall type - £102
- CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135
- CZ-TACG-1 Wifi adapter - £95



SEER and SCOP: For KIT-TE50-TKE. SUPER QUIET: For KIT-TE25-TKE, KIT-TE25-TKE and KIT-TE35-TKE. INTERNET CONTROL: Optional.

System Reference			KIT-FZ25-UKE	KIT-FZ35-UKE
Indoor Unit			CS-FZ25UKE	CS-FZ35UKE
Infrared Remote Controller			Included	Included
Outdoor Unit			CU-FZ25UKE	CU-FZ35UKE
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.40 (0.85 - 3.90)
	UK Cooling (Total - Sensible)	kW	2.23 - 2.15	3.29 - 2.82
	Nominal Heating (Range)	kW	3.15 (0.80 - 3.60)	3.84 (0.80 - 4.40)
	UK Heating	kW	2.51	3.06
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.20 - 4.10	6.10 - 4.10
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		3.68 - 4.04	3.18 - 3.66
	Energy Label (Cooling / Heating)		A / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	141 - 649	195 - 820
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 1.9	3.4 - 2.4
	Heating Capacity at -7°C	kW	2.14	2.60
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 850 x 199	290 x 850 x 199
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289
	Weight (Indoor - Outdoor)	kg	8 - 26	8 - 27
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	172 - 183	178 - 187
	Moisture Removal Volume	l/h	1.5	2.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	508 - 508	518 - 518
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	24 - 27 - 37	25 - 33 - 38
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 49	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.58 - 10	0.67 - 10
	GWP (Tonnes CO2 Equivalent)		0.39	0.45
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	3.00 - 3.50	4.70 - 4.60
	Input Power (Cooling - Heating)	kW	0.68 - 0.78	1.07 - 1.05
	Suggested Fuse Size	A	6	10
Indoor Unit			£227	£247
Outdoor Unit			£350	£407
Retail Price			£577	£654



CS-FZ25-60UKE



CU-FZ25-50UKE



Included

System Reference			KIT-FZ50-UKE	KIT-FZ60-UKE
Indoor Unit			CS-FZ50UKE	CS-FZ60UKE
Infrared Remote Controller			Included	Included
Outdoor Unit			CU-FZ50UKE	CU-FZ60UKE
PERFORMANCE	Nominal Cooling (Range)	kW	5.00 (0.98 - 5.40)	6.25 (0.98 - 7.10)
	UK Cooling (Total - Sensible)	kW	4.45 - 3.37	5.89 - 4.79
	Nominal Heating (Range)	kW	5.40 (0.98 - 7.50)	6.80 (0.98 - 8.50)
	UK Heating	kW	5.24	5.96
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.50 - 3.90	6.20 - 3.90
	Energy Efficiency Class (Cool / Heat)		A++ / A	A++ / A
	EER - COP (Cooling - Heating)		3.03 - 3.42	3.24 - 3.51
	Energy Label (Cooling / Heating)		B / B	A / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	269 - 1436	356 - 1651
	Pdesign (Cooling - Heating at -10°C)	kW	5.0 - 4.0	6.3 - 4.6
	Heating Capacity at -7°C	kW	4.58	5.24
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 870 x 214	290 x 1070 x 240
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	9 - 38	12 - 43
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	193 - 208	287 - 312
	Moisture Removal Volume	l/h	2.8	3.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	545 - 545	710 - 692
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	34 - 37 - 44	34 - 37 - 45
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 49	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 30 / 15
	Pre-Charged For	m	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	1.14 - 15	1.15 - 15
	GWP (Tonnes CO2 Equivalent)		0.77	0.78
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	7.40 - 7.20	8.60 - 8.70
	Input Power (Cooling - Heating)	kW	1.65 - 1.58	1.93 - 1.94
	Suggested Fuse Size	A	13	13
Indoor Unit			£359	£463
Outdoor Unit			£598	£763
Retail Price			£957	£1,226

Accessories

CZ-RD514C
CZ-CAPRA1

Wired remote controller for wall type - £102
Interface to connect to ECOi (P-Link) control - £135

CZ-TACG-1 Wifi adapter - £95



SEER and SCOP: For KIT-FZ50-UKE. SUPER QUIET: For KIT-FZ25-UKE and KIT-FZ35-UKE. INTERNET CONTROL: Optional.

System Reference			KIT-TZ20-TKE-1	KIT-TZ25-TKE-1	KIT-TZ35-TKE-1	KIT-TZ42-TKE-1
Indoor Unit			CS-TZ20TKEW-1	CS-TZ25TKEW-1	CS-TZ35TKEW-1	CS-TZ42TKEW-1
Infrared Remote Controller			Included	Included	Included	Included
Outdoor Unit			CU-TZ20TKE-1	CU-TZ25TKE-1	CU-TZ35TKE-1	CU-TZ42TKE-1
PERFORMANCE	Nominal Cooling (Range)	kW	2.00 (0.75 - 2.40)	2.50 (0.85 - 3.00)	3.50 (0.85 - 3.90)	4.20 (0.85 - 4.60)
	UK Cooling (Total - Sensible)	kW	1.94 - 1.92	2.30 - 2.20	3.32 - 2.92	3.86 - 3.06
	Nominal Heating (Range)	kW	2.70 (0.70 - 3.60)	3.30 (0.80 - 4.10)	4.00 (0.80 - 5.10)	5.00 (0.80 - 6.80)
	UK Heating	kW	2.51	2.91	3.61	4.70
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.80 - 4.60	6.90 - 4.60	6.70 - 4.60	6.30 - 4.00
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++	A++ / A++	A+ / A+
	EER - COP (Cooling - Heating)		4.08 - 4.15	3.85 - 4.18	3.57 - 4.04	3.36 - 3.73
	Energy Label (Cooling / Heating)		A / A	A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	103 - 578	127 - 730	183 - 852	233 - 1260
	Pdesign (Cooling - Heating at -10°C)	kW	2.0 - 1.9	2.5 - 2.4	3.5 - 2.8	4.2 - 3.6
	Heating Capacity at -7°C	kW	2.14	2.70	3.30	3.90
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
	Weight (Indoor - Outdoor)	kg	8 - 27	8 - 28	8 - 33	8 - 34
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	167 - 182	182 - 193	197 - 208	205 - 215
	Moisture Removal Volume	l/h	1.3	1.5	2.0	2.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	520 - 495	500 - 482	478 - 507	560 - 567
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	20-25-37C/22-26-38H	20-26-40C/22-27-40H	20-30-42C/22-33-42H	29-31-44C/28-35-44H
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	47 - 48	48 - 50	49 - 51
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.61 - 10	0.70 - 10	0.82 - 10	0.87 - 10
	GWP (Tonnes CO2 Equivalent)		0.41	0.47	0.55	0.59
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.30 - 3.00	2.95 - 3.55	4.40 - 4.60	5.60 - 6.00
	Input Power (Cooling - Heating)	kW	0.49 - 0.65	0.65 - 0.79	0.98 - 0.99	1.25 - 1.34
	Suggested Fuse Size	A	6	6	10	10
Indoor Unit			£268	£300	£334	£380
Outdoor Unit			£388	£459	£545	£670
Retail Price			£656	£759	£879	£1,050



CS-TZ50-71TKEW



Included



Optional Wired Controller
CZ-RD514C - £102



CU-TZ60-71TKE

System Reference			KIT-TZ50-TKE	KIT-TZ60-TKE	KIT-TZ71-TKE
Indoor Unit			CS-TZ50TKEW	CS-TZ60TKEW	CS-TZ71TKEW
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-TZ50TKE	CU-TZ60TKE	CU-TZ71TKE
PERFORMANCE	Nominal Cooling (Range)	kW	5.00 (0.98 - 5.60)	6.30 (0.98 - 7.10)	7.10 (0.98 - 8.10)
	UK Cooling (Total - Sensible)	kW	4.60 - 4.16	5.93 - 4.92	6.49 - 5.29
	Nominal Heating (Range)	kW	5.80 (0.98 - 7.80)	7.20 (0.98 - 8.50)	8.60 (0.98 - 9.90)
	UK Heating	kW	5.46	5.96	6.94
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.80 - 4.30	6.50 - 4.20	6.10 - 4.00
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		3.40 - 3.77	3.26 - 3.44	3.17 - 3.51
	Energy Label (Cooling / Heating)		A / A	A / B	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	257 - 1302	339 - 1533	407 - 1925
	Pdesign (Cooling - Heating at -10°C)	kW	5.0 - 4.0	6.3 - 4.6	7.1 - 5.5
	Heating Capacity at -7°C	kW	4.79	5.24	6.13
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1102 x 244	302 x 1102 x 244	302 x 1102 x 244
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	12 - 40	12 - 42	13 - 49
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	332 - 347	298 - 315	333 - 367
	Moisture Removal Volume	l/h	2.8	3.5	4.1
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	550 - 537	837 - 837	745 - 801
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	34-37-44(C)/34-37-44 H)	34-37-45 C / 34-37-45 H	35-38-47 C / 35-38-47 H
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 49	49 - 49	52 - 54
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 30 / 15	3 - 30 / 25
	Pre-Charged For	m	7.5	7.5	10
	R32 Charge (Factory - Additional)	kg - g/m	1.14 - 15	1.11 - 15	1.32 - 25
	GWP (Tonnes CO2 Equivalent)		0.77	0.75	0.89
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	6.50 - 6.90	8.60 - 9.60	9.90 - 10.90
	Input Power (Cooling - Heating)	kW	1.47 - 1.54	1.93 - 2.09	2.24 - 2.45
	Suggested Fuse Size	A	13	16	16
	Indoor Unit		£415	£595	£690
	Outdoor Unit		£705	£790	£880
	Retail Price		£1,120	£1,385	£1,570

Accessories

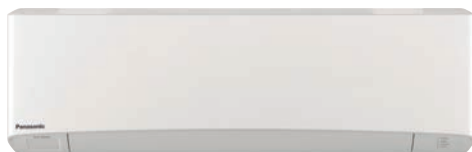
- CZ-RD514C Wired remote controller for wall type - £102
- CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135
- CZ-TACG-1 Wifi adapter - £95



SEER and SCOP: For KIT-TZ50-TKE. SUPER QUIET: For KIT-TZ20-TKE, KIT-TZ25-TKE and KIT-TZ35-TKE. INTERNET CONTROL: Optional.

System Reference		KIT-Z20-TKE	KIT-Z25-TKE	KIT-Z35-TKE	
Indoor Unit		CS-Z20TKEW	CS-Z25TKEW	CS-Z35TKEW	
Infrared Remote Controller		Included	Included	Included	
Outdoor Unit		CU-Z20TKE	CU-Z25TKE	CU-Z35TKE	
PERFORMANCE	Nominal Cooling (Range)	kW	2.05 (0.75 - 2.40)	2.50 (0.85 - 3.20)	3.50 (0.85 - 4.00)
	UK Cooling (Total - Sensible)	kW	1.98 - 196	2.42 - 2.40	2.89 - 2.74
	Nominal Heating (Range)	kW	2.80 (0.70 - 4.00)	3.40 (0.80 - 5.00)	4.00 (0.80 - 5.80)
	UK Heating	kW	2.78	3.47	4.02
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.50 - 4.70	8.50 - 5.10	8.50 - 5.10
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A+++ / A+++	A+++ / A+++
	EER - COP (Cooling - Heating)		4.56 - 4.52	4.81 - 4.79	4.22 - 4.44
	Energy Label (Cooling / Heating)		A - A	A - A	A - A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	98 - 626	103 - 741	144 - 878
	Pdesign (Cooling - Heating at -10°C)	kW	2.1 - 2.1	2.5 - 2.7	3.5 - 3.2
	Heating Capacity at -7°C	kW	2.38	2.95	3.40
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
	Weight (Indoor - Outdoor)	kg	9 - 30	10 - 31	10 - 34
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	165 - 180	167 - 192	178 - 207
	Moisture Removal Volume	l/h	1.3	1.5	2.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	448 - 448	765 - 765	573 - 593
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	19 - 25 - 38	19 - 27 - 41	19 - 33 - 43
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 47	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.76 - 10	0.85 - 10	0.91 - 10
	GWP (Tonnes CO2 Equivalent)		0.51	0.57	0.61
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.15 - 2.80	2.45 - 3.25	3.85 - 4.20
	Input Power (Cooling - Heating)	kW	0.45 - 0.62	0.52 - 0.71	0.83 - 0.90
	Suggested Fuse Size	A	6	6	10
Indoor Unit		£260	£319	£355	
Outdoor Unit		£603	£626	£687	
Retail Price		£863	£945	£1,042	

While stocks last



ETHEREA



Included



Optional Wired Controller
CZ-RD514C - £102



CU-Z35-42TKE



System Reference			KIT-Z42-TKE	KIT-Z50-TKE	KIT-Z71-TKE
Indoor Unit			CS-Z42TKEW	CS-Z50TKEW	CS-Z71TKEW
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-Z42TKE	CU-Z50TKE	CU-Z71TKE
PERFORMANCE	Nominal Cooling (Range)	kW	4.20 (0.85 - 5.00)	5.00 (0.98 - 6.00)	7.10 (0.98 - 8.50)
	UK Cooling (Total - Sensible)	kW	4.07 - 3.17	4.71 - 4.22	6.69 - 5.27
	Nominal Heating (Range)	kW	5.30 (0.80 - 6.80)	5.80 (0.98 - 8.00)	8.60 (0.98 - 10.20)
	UK Heating	kW	4.75	5.58	7.15
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.90 - 4.00	7.90 - 4.70	6.50 - 4.20
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A++	A++ / A+
	EER - COP (Cooling - Heating)		3.39 - 3.68	3.55 - 4.03	3.27 - 3.66
	Energy Label (Cooling / Heating)		A - A	A - A	A - A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	213 - 1260	222 - 1251	382 - 1833
	Pdesign (Cooling - Heating at -10°C)	kW	4.2 - 3.6	5.0 - 4.2	7.1 - 5.5
	Heating Capacity at -7°C	kW	4.11	4.80	6.31
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	299 x 1120 x 236	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	10 - 32	12 - 42	13 - 49
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	187 - 205	320 - 355	330 - 358
	Moisture Removal Volume	l/h	2.4	2.8	4.1
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	555 - 562	662 - 643	745 - 763
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	29 - 35 - 43	30 - 37 - 44	30 - 38 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 51	47 - 47	52 - 54
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 20 / 15	3 - 30 / 20
	Pre-Charged For	m	7.5	7.5	10.0
	R32 Charge (Factory - Additional)	kg - g/m	0.87 - 10	1.11 - 15	1.37 - 25
	GWP (Tonnes CO2 Equivalent)		0.59	0.75	0.93
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	5.50 - 6.40	6.30 - 6.50	9.70 - 10.30
	Input Power (Cooling - Heating)	kW	1.24 - 1.44	1.41 - 1.44	2.17 - 2.35
	Suggested Fuse Size	A	10	13	16
Indoor Unit			£370	£509	£802
Outdoor Unit			£848	£914	£1,254
Retail Price			£1,218	£1,423	£2,056

Accessories

- CZ-RD514C Wired remote controller for wall type - £102
- CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135
- CZ-TACG-1 Wifi adapter - £95

While stocks last

SEER and SCOP: For KIT-Z25-TKE and KIT-Z35-TKE. SUPER QUIET: For KIT-Z20-TKE, KIT-Z25-TKE and KIT-Z35-TKE. INTERNET CONTROL: Optional.

System Reference			KIT-XZ20-TKE	KIT-XZ25-TKE
Indoor Unit			CS-XZ20TKEW	CS-XZ25TKEW
Infrared Remote Controller			Included	Included
Outdoor Unit			CU-Z20TKE	CU-Z25TKE
PERFORMANCE	Nominal Cooling (Range)	kW	2.05 (0.75 - 2.40)	2.50 (0.85 - 3.20)
	UK Cooling (Total - Sensible)	kW	1.98 - 1.96	2.42 - 2.40
	Nominal Heating (Range)	kW	2.80 (0.70 - 4.00)	3.40 (0.80 - 5.00)
	UK Heating	kW	2.78	3.47
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.50 - 4.70	8.50 - 5.10
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A+++ / A+++
	EER - COP (Cooling - Heating)		4.56 - 4.52	4.81 - 4.79
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	98 - 626	103 - 741
	Pdesign (Cooling - Heating at -10°C)	kW	2.1 - 2.1	2.5 - 2.7
	Heating Capacity at -7°C	kW	2.38	2.95
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	295 x 919 x 194
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289
	Weight (Indoor - Outdoor)	kg	9 - 30	10 - 31
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	165 - 180	167 - 192
	Moisture Removal Volume	l/h	1.3	1.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	448 - 448	478 - 478
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	19 - 25 - 38	19 - 27 - 41
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 47
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.76 - 10	0.85 - 10
	GWP (Tonnes CO2 Equivalent)		0.51	0.57
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	2.15 - 2.80	2.45 - 3.25
	Input Power (Cooling - Heating)	kW	0.45 - 0.62	0.52 - 0.71
	Suggested Fuse Size	A	6	6
Indoor Unit			£282	£343
Outdoor Unit			£603	£626
Retail Price			£885	£969



ETHEREA



Included



Optional Wired Controller
CZ-RD514C - £102



CU-Z35-42TKE

While stocks last

System Reference		KIT-XZ35-TKE		KIT-XZ50-TKE	
Indoor Unit		CS-XZ35TKEW		CS-XZ50TKEW	
Infrared Remote Controller		Included		Included	
Outdoor Unit		CU-Z35TKE		CU-Z50TKE	
PERFORMANCE	Nominal Cooling (Range)	kW	3.50 (0.85 - 4.00)	5.00 (0.98 - 6.00)	
	UK Cooling (Total - Sensible)	kW	2.89 - 2.74	4.71 - 4.22	
	Nominal Heating (Range)	kW	4.00 (0.80 - 5.80)	5.80 (0.98 - 8.00)	
	UK Heating	kW	4.02	5.58	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.50 - 5.10	7.90 - 4.70	
	Energy Efficiency Class (Cool / Heat)		A+++ / A+++	A++ / A++	
	EER - COP (Cooling - Heating)		4.22 - 4.44	3.55 - 4.03	
	Energy Label (Cooling / Heating)		A / A	A / A	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	144 - 878	222 - 1251	
	Pdesign (Cooling - Heating at -10°C)	kW	3.5 - 3.2	5.0 - 4.2	
	Heating Capacity at -7°C	kW	3.40	4.8	
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	302 x 1120 x 236	
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	695 x 875 x 320	
	Weight (Indoor - Outdoor)	kg	10 - 34	12 - 42	
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	178 - 207	320 - 355	
	Moisture Removal Volume	l/h	2.0	2.8	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	573 - 593	662 - 643	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	19 - 33 - 43	30 - 37 - 44	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	47 - 47	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	1/2" - 1/4"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 20 / 15	
	Pre-Charged For	m	7.5	7.5	
	R32 Charge (Factory - Additional)	kg - g/m	0.91 - 10	1.11 - 15	
	GWP (Tonnes CO2 Equivalent)		0.61	0.75	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	
	Interconnecting Cables		3 core & E	3 core & E	
	Running Current (Cooling - Heating)	A	3.85 - 4.20	6.30 - 6.50	
	Input Power (Cooling - Heating)	kW	0.83 - 0.90	1.41 - 1.44	
	Suggested Fuse Size	A	10	13	
Indoor Unit			£390	£636	
Outdoor Unit			£687	£914	
Retail Price			£1,077	£1,550	

Accessories

- CZ-RD514C Wired remote controller for wall type - £102
- CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135
- CZ-TACG-1 Wifi adapter - £95

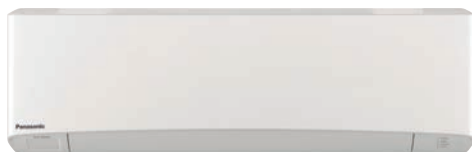
While stocks last



SEER and SCOP: For KIT-Z25-TKE and KIT-Z35-TKE. SUPER QUIET: For KIT-Z20-TKE, KIT-Z25-TKE and KIT-Z35-TKE. INTERNET CONTROL: Optional.

System Reference			KIT-Z20-VKE	KIT-Z25-VKE	KIT-Z35-VKE
Indoor Unit			CS-Z20VKEW	CS-Z25VKEW	CS-Z35VKEW
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-Z20VKE	CU-Z25VKE	CU-Z35VKE
PERFORMANCE	Nominal Cooling (Range)	kW	2.05 (0.75 - 2.40)	2.50 (0.85 - 3.20)	3.50 (0.85 - 4.00)
	UK Cooling (Total - Sensible)	kW	TBC	TBC	TBC
	Nominal Heating (Range)	kW	2.80 (0.70 - 4.00)	3.40 (0.80 - 5.00)	4.00 (0.80 - 5.50)
	UK Heating	kW	TBC	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.50 - 4.70	8.50 - 5.10	8.50 - 5.10
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A+++ / A+++	A+++ / A+++
	EER - COP (Cooling - Heating)		4.56 - 4.52	4.81 - 4.79	4.07 - 4.35
	Energy Label (Cooling / Heating)		TBC	TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	98 - 626	103 - 741	144 - 769
	Pdesign (Cooling - Heating at -10°C)	kW	2.10 - 2.10	2.50 - 2.70	3.50 - 2.80
	Heating Capacity at -7°C	kW	2.38	2.95	3.2
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289
	Weight (Indoor - Outdoor)	kg	9 - 27	10 - 31	10 - 31
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	165 - 178	170 - 187	183 - 200
	Moisture Removal Volume	l/h	1.3	1.5	2
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	448 - 402	478 - 453	510 - 510
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	19 - 25 - 38	19 - 27 - 41	19 - 33 - 43
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 47	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.70 - 10	0.85 - 10	0.85 - 10
	GWP (Tonnes CO2 Equivalent)		0.473	0.574	0.574
	Suitable For Replacement Tech.		TBC	TBC	TBC
	Indoor Drain Connection	mm	TBC	TBC	TBC
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	TBC	TBC	TBC
	Input Power (Cooling - Heating)	kW	0.45 - 0.62	0.52 - 0.71	0.86 - 0.92
	Suggested Fuse Size	A	6	6	10
Indoor Unit			£260	£319	£355
Outdoor Unit			£603	£626	£687
Retail Price			£863	£945	£1,042

Available soon



ETHEREA



Included



Optional Wired Controller
CZ-RD514C - £102



System Reference		KIT-Z42-VKE		KIT-Z50-VKE		KIT-Z71-VKE	
Indoor Unit		CS-Z42VKEW		CS-Z50VKEW		CS-Z71VKEW	
Infrared Remote Controller		Included		Included		Included	
Outdoor Unit		CU-Z42VKE		CU-Z50VKE		CU-Z71VKE	
PERFORMANCE	Nominal Cooling (Range)	kW	4.20 (0.85 - 5.00)	5.00 (0.98 - 6.00)	7.10 (0.98 - 8.50)		
	UK Cooling (Total - Sensible)	kW	TBC	TBC	TBC		
	Nominal Heating (Range)	kW	5.30 (0.80 - 6.80)	5.80 (0.98 - 8.00)	8.60 (0.98 - 10.20)		
	UK Heating	kW	TBC	TBC	TBC		
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.90 - 4.00	7.90 - 4.70	6.50 - 4.20		
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A++	A++ / A+		
	EER - COP (Cooling - Heating)		3.39 - 3.68	3.55 - 4.03	3.27 - 3.66		
	Energy Label (Cooling / Heating)		TBC	TBC	TBC		
	Annual Electricity Cons. (Cool - Heat)	kWh/a	213 - 1260	222 - 1251	382 - 1833		
	Pdesign (Cooling - Heating at -10°C)	kW	4.20 - 3.60	5.00 - 4.20	7.10 - 5.50		
	Heating Capacity at -7°C	kW	4.11	4.8	6.31		
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C		
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C		
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236		
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299		
	Weight (Indoor - Outdoor)	kg	10 - 31	12 - 42	13 - 50		
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	187 - 200	318 - 342	330 - 358		
	Moisture Removal Volume	l/h	2.4	2.8	4.1		
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	522 - 515	663 - 615	745 - 763		
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	29 - 35 - 43	30 - 37 - 44	30 - 38 - 47		
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 51	47 - 47	52 - 54		
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"		
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 30 / 15	3 - 30 / 20		
	Pre-Charged For	m	7.5	7.5	10		
	R32 Charge (Factory - Additional)	kg - g/m	0.89 - 10	1.15 - 15	1.37 - 25		
	GWP (Tonnes CO2 Equivalent)		0.601	0.776	0.925		
	Suitable For Replacement Tech.		TBC	TBC	TBC		
	Indoor Drain Connection	mm	TBC	TBC	TBC		
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50		
	Interconnecting Cables		3 core & E	3 core & E	3 core & E		
	Running Current (Cooling - Heating)	A	TBC	TBC	TBC		
	Input Power (Cooling - Heating)	kW	1.24 - 1.44	1.41 - 1.44	2.17 - 2.35		
	Suggested Fuse Size	A	10	13	16		
	Indoor Unit		£370	£509	£802		
	Outdoor Unit		£848	£914	£1,254		
Retail Price			£1,218	£1,423	£2,056		

Accessories

- CZ-RD514C Wired remote controller for wall type - £102
- CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135
- CZ-TACG-1 Wifi adapter - £95

Available soon

System Reference			KIT-XZ20-VKE	KIT-XZ25-VKE
Indoor Unit			CS-XZ20VKEW	CS-XZ25VKEW
Infrared Remote Controller			Included	Included
Outdoor Unit			CU-Z20VKE	CU-Z25VKE
PERFORMANCE	Nominal Cooling (Range)	kW	2.05 (0.75 - 2.40)	2.50 (0.85 - 3.20)
	UK Cooling (Total - Sensible)	kW	TBC	TBC
	Nominal Heating (Range)	kW	2.80 (0.70 - 4.00)	3.40 (0.80 - 5.00)
	UK Heating	kW	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.50 - 4.70	8.50 - 5.10
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A+++ / A+++
	EER - COP (Cooling - Heating)		4.56 - 4.52	4.81 - 4.79
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	98 - 626	103 - 741
	Pdesign (Cooling - Heating at -10°C)	kW	2.10 - 2.10	2.50 - 2.70
	Heating Capacity at -7°C	kW	2.38	2.95
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	295 x 919 x 194
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	542 x 780 x 289
	Weight (Indoor - Outdoor)	kg	9 - 27	10 - 31
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	165 - 178	170 - 187
	Moisture Removal Volume	l/h	1.3	1.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	448 - 402	478 - 453
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	19 - 25 - 38	19 - 27 - 41
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 47
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 15 / 15
	Pre-Charged For	m	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.70 - 10	0.85 - 10
	GWP (Tonnes CO2 Equivalent)		0.473	0.574
	Suitable For Replacement Tech.		TBC	TBC
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	TBC	TBC
	Input Power (Cooling - Heating)	kW	0.45 - 0.62	0.52 - 0.71
	Suggested Fuse Size	A	6	6
Indoor Unit			£282	£343
Outdoor Unit			£603	£626
Retail Price			£885	£969

Available soon



ETHEREA



Included



Optional Wired Controller
CZ-RD514C - £102

System Reference		KIT-XZ35-VKE		KIT-XZ50-VKE	
Indoor Unit		CS-XZ35VKEW		CS-XZ50VKEW	
Infrared Remote Controller		Included		Included	
Outdoor Unit		CU-Z35VKE		CU-Z50VKE	
PERFORMANCE	Nominal Cooling (Range)	kW	3.50 (0.85 - 4.00)	5.00 (0.98 - 6.00)	
	UK Cooling (Total - Sensible)	kW	TBC	TBC	
	Nominal Heating (Range)	kW	4.00 (0.80 - 5.50)	5.80 (0.98 - 8.00)	
	UK Heating	kW	TBC	TBC	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.50 - 5.10	7.90 - 4.70	
	Energy Efficiency Class (Cool / Heat)		A+++ / A+++	A++ / A++	
	EER - COP (Cooling - Heating)		4.07 - 4.35	3.55 - 4.03	
	Energy Label (Cooling / Heating)		TBC	TBC	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	144 - 769	222 - 1251	
	Pdesign (Cooling - Heating at -10°C)	kW	3.50 - 2.80	5.00 - 4.20	
	Heating Capacity at -7°C	kW	3.2	4.8	
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	302 x 1120 x 236	
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	619 x 824 x 299	
	Weight (Indoor - Outdoor)	kg	10 - 31	12 - 42	
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	183 - 200	318 - 342	
	Moisture Removal Volume	l/h	2	2.8	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	510 - 510	663 - 615	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	19 - 33 - 43	30 - 37 - 44	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	47 - 47	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	1/2" - 1/4"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 30 / 15	
	Pre-Charged For	m	7.5	7.5	
	R32 Charge (Factory - Additional)	kg - g/m	0.85 - 10	1.15 - 15	
	GWP (Tonnes CO2 Equivalent)		0.574	0.776	
	Suitable For Replacement Tech.		TBC	TBC	
	Indoor Drain Connection	mm	TBC	TBC	
POWER	Power Supply (Outdoor/Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	
	Interconnecting Cables		3 core & E	3 core & E	
	Running Current (Cooling - Heating)	A	TBC	TBC	
	Input Power (Cooling - Heating)	kW	0.86 - 0.92	1.41 - 1.44	
	Suggested Fuse Size	A	10	13	
Indoor Unit			£390	£636	
Outdoor Unit			£687	£914	
Retail Price			£1,077	£1,550	

Accessories

- CZ-RD514C Wired remote controller for wall type - £102
- CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135
- CZ-TACG-1 Wifi adapter - £95

Available soon



SEER and SCOP: For KIT-Z25-TKE and KIT-Z35-TKE. SUPER QUIET: For KIT-Z20-TKE, KIT-Z25-TKE and KIT-Z35-TKE. INTERNET CONTROL: Optional.



THE FUTURE IS GREEN,
EFFICIENT AND HEALTHY



Etherea, the latest generation of air conditioning

With its elegant, slim design, the new Etherea series provides much more than just cooling or heating. Etherea units feature Panasonic's nanoe™ technology which fights against airborne diseases. The new Etherea series, using R32 refrigerant, achieves high efficiencies and boasts a rating of A+++.

With its innovative technology, Panasonic is committed to creating a better life and a better world.





Included

Optional wired
remote controller
CZ-RD52CP -
£102

Specially designed for offices, retail and restaurant applications, this cassette fits perfectly into 600x600 ceiling grids.

Featuring the best efficiency in its category (heating and cooling up to -10°C, this new cassette can also be connected to KNX, Modbus, EnOcean and Bacnet interfaces for easy integration with your BMS systems. Interfaces have dry contacts (ON/OFF, error message) to enable easy integration.

With the new Intesis Home interface, you can also control the cassette from your smartphone and internet very easily!

Technical Focus

- Cassettes can be controlled by Intesis Home, KNX, EnOcean, Modbus and Bacnet interfaces
- Can connect to P-Link ECOi control via the CZ-CAPRA1 Interface
- This unit can be installed on R22 pipe work
- Designed for easy installation in the standard European 600x600 ceiling grid
- Operation down to -10°C in cooling and heating modes
- Piping length up to 30m
- Maximum elevation difference up to 20m
- Ultra compact outdoor units for easy installation
- High pressure selector in case of high ceilings (higher than 2.7m)
- Drain pump included (maximum 750mm high)
- Fresh air entry available on the cassette - 80mm diameter



CU-E9PB4EA



CU-E12PB4EA, CU-E18RBEA, CU-E21RBEA

System Reference			KIT-E9-PB4EA	KIT-E12-PB4EA	KIT-E18-RB4EA	KIT-E21-RB4EA
Indoor Unit			CS-E9PB4EA	CS-E12PB4EA	CS-E18RB4EAW	CS-E21RB4EAW
Grille			CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Infrared Remote Controller			Included	Included	Included	Included
Outdoor Unit			CU-E9PB4EA	CU-E12PB4EA	CU-E18RBEA	CU-E21RBEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.40 (0.85 - 4.00)	5.00 (0.90 - 5.80)	5.90 (0.90 - 6.30)
	UK Cooling (Total - Sensible)	kW	TBC	TBC	4.65 - 3.36	5.49 - 3.65
	Nominal Heating (Range)	kW	3.20 (0.85 - 4.80)	4.50 (0.85 - 5.60)	5.60 (0.90 - 7.10)	7.00 (0.90 - 8.00)
	UK Heating	kW	TBC	TBC	4.97	5.64
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.80 - 4.00	5.60 - 3.80	5.80 - 4.10	5.60 - 4.10
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A	A+ / A+	A+ / A+
	EER - COP (Cooling - Heating)		4.55 - 4.00	3.82 - 3.17	3.13 - 3.01	2.88 - 2.86
	Energy Label (Cooling / Heating)		A / A	A / D	B / D	C / D
	Annual Electricity Cons. (Cool - Heat)	kWh/a	151 - 945	213 - 1105	302 - 1298	369 - 1366
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.7	3.4 - 3.0	5.0 - 3.8	5.9 - 4.0
	Heating Capacity at -7°C	kW	2.60	3.00	TBC	TBC
	RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
Operating Range - Heating		°C	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	260 (51) x 575 (700) x 575 (700)			
	Outdoor Unit Dimensions (H-W-D)	mm	622 x 824 x 299	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	18 (2.5) - 36	18 (2.5) - 45	18 (2.5) - 47	18 (2.5) - 47
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	180 - 180 - 175	180 - 180 - 175	197 - 197 - 192	243 - 243 - 207
	Moisture Removal Volume	l/h	1.5	2.3	2.8	3.3
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	508 - 482	550 - 510	653 - 653	673 - 673
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	23-26-34C/25-28-35H	23-26-34C/25-28-35H	25-28-37C/26-29-38H	30-33-42C/31-34-43H
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	45 - 47	47 - 48	49 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 20 / 15	3 - 30 / 20	3 - 30 / 20
	Pre-Charged For	m	10	10	10	10
	R410A Charge (Factory - Additional)	kg - g/m	1.13 - 20	1.13 - 20	1.23- 20	1.30 - 20
	GWP (Tonnes CO2 Equivalent)		2.359	2.359	2.568	2.714
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	30 ID	30 ID	30 ID	30 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.65 - 3.85	4.20 - 6.50	7.20 - 8.30	9.10 - 11.10
	Input Power (Cooling - Heating)	kW	0.55 - 0.80	0.89 - 1.42	1.60 - 1.86	2.05 - 2.45
	Suggested Fuse Size	A	16	16	16	16
Indoor Unit			£476	£568	£765	£830
Grille			£143	£143	£143	£143
Outdoor Unit			£580	£622	£776	£908
Retail Price			£1,199	£1,333	£1,684	£1,881

Accessories

PAW-AC-WIFI-1 Bidirectional Wifi interface for Internet control - £200 CZ-RD52CP Wired remote controller for Cassette and Ducted - £90

PAW-IR-WIFI-1 IR Wifi interface for Internet control - £200

CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135



SEER and SCOP: For KIT-E18-RB4EA. SUPER QUIET: For KIT-E9-PB4EA and KIT-E12-PB4EA. INTERNET CONTROL and INTEGRATION P-LINE: Optional.



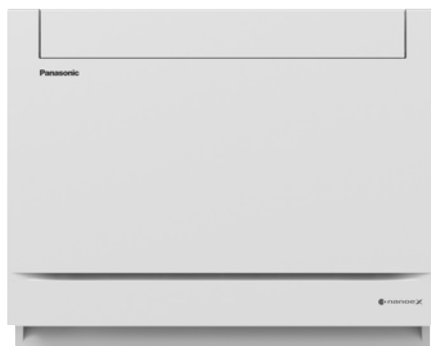
System Reference			KIT-Z25-UB4	KIT-Z35-UB4	KIT-Z50-UB3	KIT-Z60-UB4
Indoor Unit			CS-Z25UB4EAW	CS-Z35UB4EAW	CS-Z50UB4EAW	CS-Z60UB4EAW
Grille			CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Infrared Remote Controller			Included	Included	Included	Included
Outdoor Unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA	CU-Z60UBEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.20)	3.50 (0.85 - 4.00)	5.00 (0.90 - 5.80)	6.00 (0.90 - 6.35)
	UK Cooling (Total - Sensible)	kW	2.41 - 2.32	3.26 - 2.67	4.70 - 3.35	5.58 - 3.78
	Nominal Heating (Range)	kW	3.20 (0.85 - 4.80)	4.50 (0.85 - 5.60)	5.60 (0.90 - 7.10)	7.00 (0.90 - 8.00)
	UK Heating	kW	3.35	3.91	4.98	5.64
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.30 - 4.30	6.50 - 4.20	6.40 - 4.30	6.20 - 4.20
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		4.55 - 4.05	3.89 - 3.31	3.25 - 3.03	2.93 - 2.92
	Energy Label (Cooling / Heating)		A / A	A / C	A / D	C / D
	Annual Electricity Cons. (Cool - Heat)	kWh/a	139 - 879	188 - 1000	273 - 1237	339 - 1333
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.7	3.5 - 3.0	5.0 - 3.8	6.0 - 4.0
	Heating Capacity at -7°C	kW	2.88	3.37	4.40	5.10
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	260 (51) x 575 (700) x 575 (700)			
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	18 (2.5) - 33	18 (2.5) - 35	18 (2.5) - 43	18 (2.5) - 43
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	175 - 180	175 - 180	192 - 197	207 - 225
	Moisture Removal Volume	l/h	1.5	2.0	2.8	3.3
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	478 - 453	572 - 558	662 - 643	710 - 692
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	25 - 28 - 35	25 - 28 - 35	26 - 29 - 38	29 - 32 - 43
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	48 - 48	48 - 48	49 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 20 / 15	3 - 30 / 20	3 - 30 / 20
	Pre-Charged For	m	7.5	7.5	7.5	7.5
	R410A Charge (Factory - Additional)	kg - g/m	0.88 - 10	0.93 - 10	1.13 - 15	1.13 - 15
	GWP (Tonnes CO2 Equivalent)		0.59	0.63	0.76	0.76
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	30 ID	30 ID	30 ID	30 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.50 - 3.60	4.10 - 6.00	6.80 - 8.20	9.00 - 10.50
	Input Power (Cooling - Heating)	kW	0.55 - 0.79	0.90 - 1.36	1.54 - 1.85	2.05 - 2.40
	Suggested Fuse Size	A	10	10	13	13
Indoor Unit			£476	£568	£765	£830
Grille			£143	£143	£143	£143
Outdoor Unit			£580	£622	£776	£908
Retail Price			£1,199	£1,333	£1,684	£1,881

Accessories

CZ-RD52CP	Wired remote controller for Cassette and Ducted - £90
CZ-CAPRA1	Interface to connect to ECOi (P-Link) control - £135
CZ-TACG-1	Wifi adapter - £95



R410A Unit



R32 Unit



Console designed for discreet integration on walls, and for high performance, specifically in heat mode even when the outside temperature is as low as -15°C.

Double airflow for improved comfort and temperature dispersion: through the top for an efficient cooling mode, through the bottom and top in heating mode for improved air distribution and performance.

Technical Focus

- This unit can be installed on R22 pipe work
- More efficient than ever for improved energy consumption and higher savings
- Heating mode down to -15°C with high efficiency
- Double airflow for better efficiency
- Powerful mode for quick temperature setting



CU-E9-12PFE



CU-E18PFE

System Reference			KIT-E9-PFE	KIT-E12-PFE	KIT-E18-PFE
Indoor Unit			CS-E9GFEW	CS-E12GFEW	CS-E18GFEW
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-E9PFE	CU-E12PFE	CU-E18PFE
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.50 (0.85 - 3.80)	5.00 (0.98 - 5.60)
	UK Cooling (Total - Sensible)	kW	2.32 - 1.80	3.24 - 2.52	4.64 - 3.61
	Nominal Heating (Range)	kW	3.40 (0.85 - 5.00)	4.00 (0.85 - 6.00)	5.80 (0.98 - 7.10)
	UK Heating	kW	TBC	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.10 - 3.80	5.80 - 3.80	6.20 - 3.90
	Energy Efficiency Class (Cool / Heat)		A++ / A	A+ / A	A++ / A
	EER - COP (Cooling - Heating)		4.50 - 4.20	3.72 - 4.00	3.25 - 3.63
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	143 - 995	211 - 1179	282 - 1579
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.7	3.5 - 3.2	5.0 - 4.4
	Heating Capacity at -7°C	kW	2.35	2.86	3.87
RANGE	Operating Range - Cooling	°C	+16°C to 43°C	+16°C to 43°C	+16°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	600 x 700 x 210	600 x 700 x 210	600 x 700 x 210
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	14 - 33	14 - 34	14 - 46
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	155 - 160	158 - 167	183 - 217
	Moisture Removal Volume	l/h	1.4	2.0	2.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	496 - 496	555 - 555	653 - 631
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	23-27-38 C / 23-27-38 H	24-28-39 C / 23-27-39 H	32-36-44 C / 32-36-46 H
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	48 - 50	47 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 5	3 - 15 / 5	3 - 20 / 15
	Pre-Charged For	m	7.5	7.5	7.5
	R410A Charge (Factory - Additional)	kg - g/m	0.97 - 20	1.00 - 20	1.12 - 20
	GWP (Tonnes CO2 Equivalent)		2.025	2.088	2.338
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	15 ID	15 ID	15 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.50 - 3.60	4.15 - 4.40	6.90 - 7.20
	Input Power (Cooling - Heating)	kW	0.56 - 0.81	0.94 - 1.00	1.54 - 1.60
	Suggested Fuse Size	A	16	16	16
	Indoor Unit		£561	£605	£727
	Outdoor Unit		£580	£622	£776
	Retail Price		£1,141	£1,227	£1,503

Accessories

PAW-IR-WIFI-1 IR Wifi interface for Internet control - £200



SEER and SCOP: For KIT-E18-PFE. SUPER QUIET: For KIT-E9-PFE. INTERNET CONTROL: Optional.

System Reference			KIT-Z25-UFE	KIT-Z35-UFE	KIT-Z50-UFE
Indoor Unit			CS-Z25UFEAW	CS-Z35UFEAW	CS-Z50UFEAW
Infrared Remote Controller			Included	Included	Included
Outdoor Unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.40)	3.50 (0.85 - 3.80)	5.00 (0.90 - 5.70)
	UK Cooling (Total - Sensible)	kW	TBC	TBC	TBC
	Nominal Heating (Range)	kW	3.40 (0.85 - 5.00)	4.30 (0.85 - 6.00)	5.80 (0.90 - 8.10)
	UK Heating	kW	TBC	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.90 - 4.60	8.10 - 4.60	6.70 - 4.30
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++	A++ / A+
	EER - COP (Cooling - Heating)		4.81 - 4.47	4.07 - 3.98	3.60 - 3.74
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	111 - 822	151 - 974	261 - 1433
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.7	3.5 - 3.2	5.0 - 4.4
	Heating Capacity at -7°C	kW	2.88	3.37	5.03
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	13 - 33	13 - 35	13 - 43
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	160 - 165	165 - 168	193 - 220
	Moisture Removal Volume	l/h	1.5	2.0	2.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	478 - 453	572 - 558	662 - 643
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	20 - 25 - 38	20 - 26 - 39	29 - 33 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	48 - 48	48 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 20 / 15	3 - 30 / 20
	Pre-Charged For	m	7.5	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.88 - 10	0.93 - 10	1.13 - 15
	GWP (Tonnes CO2 Equivalent)		0.59	0.63	0.76
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	28.5 ID	28.5 ID	28.5 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.50 - 3.50	3.90 - 4.80	6.20 - 7.00
	Input Power (Cooling - Heating)	kW	0.52 - 0.76	0.86 - 1.08	1.39 - 1.55
	Suggested Fuse Size	A	10	10	13
Indoor Unit			£623	£675	£799
Outdoor Unit			£580	£622	£776
Retail Price			£1,203	£1,297	£1,575

Accessories

CZ-TACG-1 Wifi adapter - £95



SEER and SCOP: For KIT-Z35-UFE. SUPER QUIET: For KIT-Z20-TKE, KIT-Z25-UFE and KIT-Z35-UFE. INTERNET CONTROL: Optional.

System Reference			KIT-E9-PD3EA	KIT-E12-QD3EA	KIT-E18-RD3EA
Indoor Unit			CS-E9PD3EA	CS-E12QD3EAW	CS-E18RD3EAW
Remote Controller			Wired Included	Wired Included	Wired Included
Outdoor Unit			CU-E9PD3EA	CU-E12QD3EA	CU-E18RBEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.40 (0.85 - 4.00)	5.10 (0.90 - 5.70)
	UK Cooling (Total - Sensible)	kW	2.22 - 1.89	2.51 - 2.19	3.61 - 2.79
	Nominal Heating (Range)	kW	3.20 (0.85 - 4.60)	4.00 (0.85 - 5.10)	6.10 (0.90 - 7.10)
	UK Heating	kW	3.17	3.54	4.95
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.80 - 4.20	5.60 - 3.80	5.80 - 3.90
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A	A+ / A
	EER - COP (Cooling - Heating)		4.24 - 3.72	3.86 - 3.54	3.19 - 3.33
	Energy Label (Cooling / Heating)		A / A	A / B	B / C
	Annual Electricity Cons. (Cool - Heat)	kWh/a	151 - 867	213 - 1068	308 - 1436
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.6	3.4 - 2.9	5.1 - 4.0
	Heating Capacity at -7°C	kW	2.60	3.00	4.30
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 750 x 370	235 x 750 x 370	200 x 750 x 640
	Outdoor Unit Dimensions (H-W-D)	mm	622 x 824 x 299	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	17 - 36	17 - 45	19 - 47
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	115 - 135	155 - 173	255 - 255
	Moisture Removal Volume	l/h	1.5	2.3	2.8
	Static Pressure Nominal (Min - Max)	Pa	TBC	TBC	17 - 57
	Discharge Spigots		N/A	N/A	N/A
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	115 - 137	155 - 173	255 - 255
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	24-27-33 C / 25-28-35 H	24-27-34 C / 25-28-36 H	27-30-41 C / 29-32-41 H
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	47 - 47	47 - 48	47 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 20 / 15	3 - 30 / 20
	Pre-Charged For	m	7.5	7.5	10
	R410A Charge (Factory - Additional)	kg - g/m	1.10 - 20	1.14 - 20	1.23 - 20
	GWP (Tonnes CO2 Equivalent)		2,297	2,380	2,568
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	14 ID	14 ID	19.5 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.80 - 4.00	4.10 - 5.15	7.30 - 8.30
	Input Power (Cooling - Heating)	kW	0.59 - 0.86	0.88 - 1.13	1.60 - 1.83
	Suggested Fuse Size	A	16	16	16
Indoor Unit			£622	£651	£866
Outdoor Unit			£580	£622	£776
Retail Price			£1,202	£1,273	£1,642

Accessories

PAW-AC-WIFI-1 Bidirectional Wifi interface for Internet control - £200 CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135

PAW-IR-WIFI-1 IR Wifi interface for Internet control - £200

Size 9 & 12 Indoor units do not come with filters



SEER and SCOP: For KIT-E9-PD3EA. INTERNET CONTROL and INTEGRATION P-LINE: Optional.

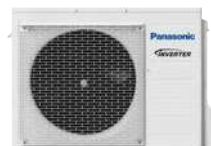
System Reference			KIT-Z25-UD3	KIT-Z35-UD3
Indoor Unit			CS-Z25UD3EAW	CS-Z35UD3EAW
Remote Controller			Wired Included	Wired Included
Outdoor Unit			CU-Z25UBEA	CU-Z35UBEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.20)	3.50 (0.85 - 4.00)
	UK Cooling (Total - Sensible)	kW	2.30 - 2.29	3.09 - 2.77
	Nominal Heating (Range)	kW	3.20 (0.85 - 4.60)	4.20 (0.85 - 5.10)
	UK Heating	kW	3.17	3.54
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.90 - 4.20	5.80 - 4.10
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A+
	EER - COP (Cooling - Heating)		4.31 - 4.00	3.85 - 3.82
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	148 - 867	211 - 956
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.6	3.5 - 2.8
RANGE	Heating Capacity at -7°C	kW	2.60	3.00
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
PHYSICAL	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	200 x 750 x 640	200 x 750 x 640
	Outdoor Unit Dimensions (H-W-D)	mm	542 x 780 x 289	619 x 824 x 299
AIRFLOW	Weight (Indoor - Outdoor)	kg	19 - 33	19 - 35
	Indoor Unit Airflow Rate (Cool - Heat)	l/s	175 - 175	187 - 187
	Moisture Removal Volume	l/h	1.5	2.0
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	478 - 453	572 - 558
	Indoor Sound Pressure (L-M-H)	dB(A)	24 - 27 - 35	24 - 27 - 35
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	48 - 48
	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 20 / 15
	Pre-Charged For	m	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.88 - 10	0.93 - 10
	GWP (Tonnes CO2 Equivalent)		0.59	0.63
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	16 ID	16 ID
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 Core & E	3 Core & E
	Running Current (Cooling - Heating)	A	2.70 - 3.60	4.10 - 4.90
	Input Power (Cooling - Heating)	kW	0.58 - 0.80	0.91 - 1.10
	Suggested Fuse Size	A	10	10
Indoor Unit			£622	£651
Outdoor Unit			£580	£622
Retail Price			£1,202	£1,273



CS-Z25-60UD3EAW



CU-Z25-35UBEA



CU-Z50-60UBEA

All R32 low static ducted indoor units come with filters



System Reference		KIT-Z50-UD3		KIT-Z60-UD3	
Indoor Unit		CS-Z50UD3EAW		CS-Z60UD3EAW	
Remote Controller		Wired Included		Wired Included	
Outdoor Unit		CU-Z50UBEA		CU-Z60UBEA	
PERFORMANCE	Nominal Cooling (Range)	kW	5.10 (0.90 - 5.70)	6.00 (0.90 - 6.50)	
	UK Cooling (Total - Sensible)	kW	3.63 - 2.92	4.25 - 3.42	
	Nominal Heating (Range)	kW	6.10 (0.90 - 7.20)	7.00 (0.90 - 8.00)	
	UK Heating	kW	5.06	5.64	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.90 - 4.10	5.60 - 4.10	
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A+	
	EER - COP (Cooling - Heating)		3.27 - 3.35	2.94 - 3.24	
	Energy Label (Cooling / Heating)		A / C	C / C	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	303 - 1366	375 - 1571	
	Pdesign (Cooling - Heating at -10°C)	kW	5.1 - 4.0	6.0 - 4.6	
	Heating Capacity at -7°C	kW	4.50	5.10	
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	200 x 750 x 640	200 x 750 x 640	
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320	
	Weight (Indoor - Outdoor)	kg	19 - 43	19 - 43	
AIRFLOW	Indoor Unit Airflow Rate (Cool - Heat)	l/s	255 - 255	262 - 262	
	Moisture Removal Volume	l/h	2.8	3.3	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	662 - 643	710 - 692	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	27 - 30 - 39	29 - 32 - 41	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 48	49 - 50	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 30 / 20	3 - 30 / 20	
	Pre-Charged For	m	7.5	7.5	
	R32 Charge (Factory - Additional)	kg - g/m	1.13 - 15	1.13 - 15	
	GWP (Tonnes CO2 Equivalent)		0.76	0.76	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	TBC	TBC	
POWER	Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	
	Interconnecting Cables		3 Core & E	3 Core & E	
	Running Current (Cooling - Heating)	A	6.90 - 8.00	9.00 - 9.70	
	Input Power (Cooling - Heating)	kW	1.56 - 1.82	2.04 - 2.16	
	Suggested Fuse Size	A	13	13	
Indoor Unit			£866	£903	
Outdoor Unit			£776	£908	
Retail Price			£1,642	£1,811	

Accessories

CZ-CAPRA1 Interface to connect to ECOi (P-Link) control - £135

CZ-TACG-1 Wifi adapter - £95



SEER and SCOP: For KIT-Z25-UD3EA. INTERNET CONTROL: Optional.

Panasonic offer a wide range of Multi Split Systems

2 types of Multi split range from 3.5 to 10kW for 5 indoor units with one outdoor unit.

Multi E with R410A	New Multi Z with R32
Full flexibility up to 10kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A++/A+	Full flexibility up to 10kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++/A++ and using new generation refrigerant R32



Line up	Refrigerant	Capacities	Outdoor Unit Ports	Efficiency Up To
Multi E	R410A	8 units (3.5 ~ 10kW)	2~5	A++/A+
Multi Z	R32	8 units (3.5 ~ 10kW)	2~5	A+++/A++

Indoor units



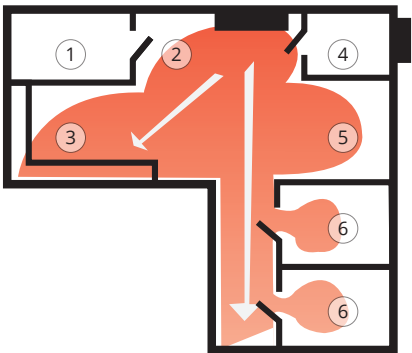
Line up	Refrigerant	Etherea	Compact Style	Duct	Cassette	Floor Console
Multi E	R410A	Yes	Yes	Yes	Yes	Yes
Multi Z	R32	Yes	Yes	Yes	Yes	

Up to 5 indoor units with a single outdoor unit

- Just one compact outdoor unit
- Increased comfort in the house since every room has its own indoor unit for heating
- Much more powerful than a single split
- More efficient since the units are always operating at full capacity
- You can connect all types of indoor units, such as wall types and consoles, depending on what suits your house best

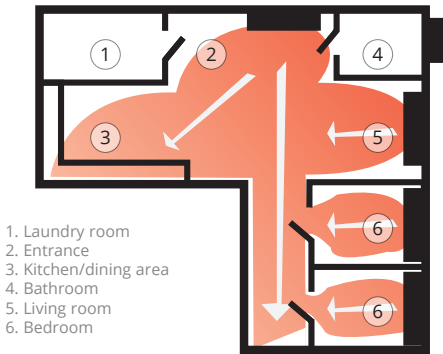
Solution with single split

One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.



Solution with Multi Split

With one outdoor unit, you can connect up to five indoor units. There is one indoor unit per room or area. It gives an increase in comfort levels. On the roof, there is only one outdoor unit.



Free Multi System E - R410A Outdoor Units

Connected Capacity (Min - Max)		3.2 to 5.7kW	3.2 to 5.7kW	3.2 to 7.5kW	4.5 to 9.0kW	
Outdoor Unit Model Number		CU-2E12SBE	CU-2E15SBE	CU-2E18SBE	CU-3E18PBE	
PERFORMANCE	Nominal Cooling (Range)	kW	3.60 (1.50 - 4.50)	4.50 (1.50 - 5.20)	5.20 (1.50 - 5.40)	5.20 (1.80 - 7.30)
	Nominal Heating (Range)	kW	4.40 (1.10 - 5.60)	5.40 (1.10 - 7.00)	5.60 (1.10 - 7.20)	6.80 (1.60 - 8.30)
	Number Of Indoor Units		2	2	2	2 - 3
EFFICIENCY	EER - COP (Cool - Heat)		4.50 - 4.63	3.66 - 4.62	3.42 - 4.63	4.33 - 4.69
	SEER - SCOP (Cool - Heat)		6.50 - 4.00	6.50 - 4.00	6.50 - 4.00	7.00 - 4.00
	Energy Eff. Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+	A++ / A+
	Annual Electricity Cons.		194 - 1400	242 - 1400	280 - 1470	260 - 1680
	Pdesign (Cooling)	kW	3.6	4.5	5.2	5.2
	Heating Capacity at -7°C	kW	3.54	3.54	3.65	4.9
	Pdesign at -10°C	kW	4.0	4.0	4.2	4.8
RANGE	Operating Range - Cooling	°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Height	mm	619	619	619	795
	Width	mm	824	824	824	875
	Depth	mm	299	299	229	320
	Weight	kg	39	39	39	71
	Sound Pressure (Cool-Heat)	dB(A)	47 / 49	47 / 49	49 / 51	46 / 47
REFRIGERANT & PIPEWORK	Gas Pipe Size*	in	3/8"	3/8"	3/8"	3/8"
	Liquid Pipe Size*	in	1/4"	1/4"	1/4"	1/4"
	Min - Max Pipe Run (Per Unit)	m	3 - 20	3 - 20	3 - 20	3 - 25
	Min - Max Pipe Run (Total)	m	6 - 30	6 - 30	6 - 30	6 - 50
	Maximum Height Difference	m	10	10	10	15
	Pre-Charged For	m	20	20	20	30
	Charge R410A - Factory	Kg	1.40	1.40	1.40	2.64
	Charge R410A - Additional	g/m	15	15	15	20
POWER	Power Supply V - Ph - Hz		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	16	16	16	16
	Power Input (Cool - Heat)	kW	0.80 - 0.95	1.23 - 1.17	1.52 - 1.21	1.27 - 1.41
	Running Current (Cool - Heat)	A	3.75 - 4.20	5.75 - 5.20	7.10 - 5.35	5.30 - 6.70
Retail Price			£886	£1,007	£1,144	£1,380

1) EER and COP classification is at 230V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure of the units shows the value measured of a position 1m in front of the main body and 0,8m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70 or 95mm for piping port. Minimum quantity of connection: 2 indoor units.



For allowable indoor units combinations contact us

Connected Capacity (Min - Max)		4.5 to 11.0kW	4.5 to 11.0kW	4.5 to 13.6kW	4.5 to 17.5kW	
Outdoor Unit Model Number		CU-3E23SBE	CU-4E23PBE	CU-4E27PBE	CU-5E34PBE	
PERFORMANCE	Nominal Cooling (Range)	kW	6.80 (1.90 - 8.00)	6.80 (1.90 - 8.00)	8.00 (3.00 - 9.20)	10.00 (2.90 - 11.50)
	Nominal Heating (Range)	kW	8.50 (3.30 - 10.40)	8.50 (3.00 - 10.40)	9.40 (4.20 - 10.60)	12.00 (3.40 - 14.50)
	Number Of Indoor Units		2 - 3	2 - 4	2 - 4	2 - 5
EFFICIENCY	EER - COP (Cool - Heat)		3.56 - 4.07	4.05 - 4.47	4.04 - 4.52	3.50 - 4.20
	SEER - SCOP (Cool - Heat)		7.00 - 4.00	7.00 - 4.00	7.00 - 4.00	6.50 - 4.00
	Energy Eff. Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+	A++ / A+
	Annual Electricity Cons.		955 - 1820	340 - 1925	400 - 2800	538 - 3500
	Pdesign (Cooling)	kW	6.8	6.8	8.0	10.0
	Heating Capacity at -7°C	kW	6.05	6.05	7.08	8.85
	Pdesign at -10°C	kW	5.2	5.5	8.0	10.0
RANGE	Operating Range - Cooling	°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Height	mm	795	795	999	999
	Width	mm	875	875	940	940
	Depth	mm	320	320	340	340
	Weight	kg	71	72	80	81
	Sound Pressure (Cool-Heat)	dB(A)	50 / 51	50 / 51	51 / 52	53 / 54
REFRIGERANT & PIPEWORK	Gas Pipe Size*	in	3/8"	3/8"	3/8"	3/8"
	Liquid Pipe Size*	in	1/4"	1/4"	1/4"	1/4"
	Min - Max Pipe Run (Per Unit)	m	3 - 25	3 - 25	3 - 25	3 - 25
	Min - Max Pipe Run (Total)	m	6 - 60	6 - 60	6 - 80	6 - 80
	Maximum Height Difference	m	15	15	15	15
	Pre-Charged For	m	30	30	45	45
	Charge R410A - Factory	Kg	2.64	2.64	3.40	3.40
	Charge R410A - Additional	g/m	20	20	20	20
POWER	Power Supply V - Ph - Hz		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	16	20	20	25
	Power Input (Cool - Heat)	kW	1.91 - 2.09	1.68 - 1.85	1.98 - 2.08	2.86 - 2.86
	Running Current (Cool - Heat)	A	8.40 - 9.60	7.50 - 8.80	9.40 - 9.80	13.20 - 13.40
Retail Price			£1,568	£1,757	£1,986	£2,592



CU-2E12SBE
CU-2E15SBE
CU-2E18SBE



CU-3E18PBE
CU-3E23SBE
CU-4E23PBE



CU-4E27PBE
CU-5E34PBE

For allowable indoor units combinations contact us

Free Multi System E - R410A Indoor Units

Wall Mounted - TE

Unit includes infra red remote controller

Indoor Unit		CS-TE20TKEW	CS-TE25TKEW	CS-TE35TKEW	CS-TE42TKEW	CS-TE50TKEW	CS-TE60TKEW
Cooling Capacity	kW	2.00	2.50	3.20	4.00	5.00	6.00
Heating Capacity	kW	3.20	3.60	4.50	5.00	5.30	8.50
Sound Pressure Level Cooling	dB(A)	20 - 25 - 37	20 - 26 - 40	20 - 30 - 42	29 - 31 - 44	34 - 37 - 44	34 - 37 - 45
Sound Pressure Level - Heating	dB(A)	22 - 26 - 38	22 - 27 - 40	22 - 33 - 42	28 - 35 - 44	34 - 37 - 44	34 - 37 - 45
Height	mm	290	290	290	290	302	302
Width	mm	799	799	799	799	1,102	1,102
Depth	mm	197	197	197	197	244	244
Weight	kg	8	8	8	8	12	12
Pipe Connections	in	3/8" & 1/4"	3/8" & 1/4"	3/8" & 1/4"	1/2" & 1/4"	1/2" & 1/4"	5/8" - 1/4"
Retail Price		£268	£300	£334	£380	£415	£595

Etherea Wall Mounted - Matt Pure White

Unit includes infra red remote controller

Indoor Unit		CS-MZ16TKE	CS-Z20TKEW	CS-Z25TKEW	CS-Z35TKEW	CS-Z42TKEW	CS-Z50TKEW	CS-Z71TKEW
Cooling Capacity	kW	1.60	2.00	2.50	3.20	4.00	5.00	7.10
Heating Capacity	kW	2.60	3.20	3.60	4.50	5.60	6.80	8.60
Sound Pressure Level Cooling	dB(A)	23 - 29 - 39	19 - 24 - 37	19 - 25 - 39	19 - 28 - 42	25 - 31 - 43	30 - 37 - 44	30 - 38 - 47
Sound Pressure Level - Heating	dB(A)	23 - 29 - 39	19 - 25 - 38	19 - 27 - 41	19 - 33 - 43	29 - 35 - 43	30 - 37 - 44	30 - 38 - 47
Height	mm	295	295	295	295	295	299	302
Width	mm	919	919	919	919	919	1120	1120
Depth	mm	194	194	194	194	194	236	236
Weight	kg	9	9	10	10	10	10	13
Pipe Connections	in	3/8" & 1/4"	3/8" & 1/4"	3/8" & 1/4"	3/8" & 1/4"	1/2" & 1/4"	1/2" & 1/4"	5/8" & 1/4"
Retail Price		£231	£260	£319	£355	£370	£509	£802

Size 20, 25, 35, and 50 also available in silver, contact us for pricing.

Etherea Pure White
Matt



Wall Mounted TE
Compact Style



Floor Console



Low Static Pressure
Hide Away



4 Way 60x60
Cassette



For allowable indoor units
combinations contact us

Low Static Ducted

Unit includes infra red remote controller

Indoor Unit		CZ-MZ20UD3EA	CZ-Z25UD3EAW	CZ-Z35UD3EAW	CZ-Z50UD3EAW	CZ-Z60UD3EAW
Cooling Capacity	kW	2.0	2.5	3.5	5.0	6.0
Heating Capacity	kW	3.2	3.6	4.5	6.8	8.5
Sound Pressure Level Cooling	dB(A)	26 - 29 - 34	26 - 29 - 35	26 - 29 - 35	28 - 31 - 41	29 - 32 - 43
Sound Pressure Level - Heating	dB(A)	26 - 29 - 34	26 - 29 - 37	26 - 29 - 37	29 - 32 - 41	31 - 34 - 43
Height	mm	200	200	200	200	200
Width	mm	750	750	750	750	750
Depth	mm	640	640	640	640	640
Weight	kg	19	19	19	19	19
Pipe Connections	in	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Retail Price		£515	£622	£651	£866	£903

All indoor units include filters

Compact Cassette

Unit includes infra red remote controller

Indoor Unit		CS-MZ20UB4EA	CS-Z25UB4EAW	CS-Z35UB4EAW	CS-Z50UB4EAW	CS-Z60UB4EAW
Grille		CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Cooling Capacity	kW	2.0	2.5	3.5	5.0	6.0
Heating Capacity	kW	3.2	3.6	4.5	6.8	8.5
Sound Pressure Level Cooling	dB(A)	24 - 27 - 35	24 - 27 - 36	25 - 28 - 36	27 - 30 - 39	31 - 34 - 44
Sound Pressure Level - Heating	dB(A)	27 - 30 - 36	27 - 30 - 37	27 - 30 - 37	28 - 31 - 40	31 - 34 - 45
Height	mm	260 (51)	260 (51)	260 (51)	260 (51)	260 (51)
Width	mm	575 (700)	575 (700)	575 (700)	575 (700)	575 (700)
Depth	mm	575 (700)	575 (700)	575 (700)	575 (700)	575 (700)
Weight	kg	18 (2.5)	18 (2.5)	18 (2.5)	18 (2.5)	18 (2.5)
Pipe Connections	in	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Indoor Unit		£399	£476	£568	£765	£830
Grille		£143	£143	£143	£143	£143
Retail Price		£542	£619	£711	£908	£973

Floor Console

Unit includes infra red remote controller

Indoor Unit		CS-MZ20UFEA	CS-Z25UFEAW	CS-Z35UFEAW	CS-Z50UFEAW
Cooling Capacity	kW	2.0	2.5	3.5	5.0
Heating Capacity	kW	3.2	3.6	4.5	5.3
Sound Pressure Level Cooling	dB(A)	22 - 27 - 39	22 - 27 - 40	22 - 28 - 41	29 - 33 - 44
Sound Pressure Level - Heating	dB(A)	21 - 27 - 39	21 - 27 - 40	21 - 28 - 41	31 - 35 - 48
Height	mm	600	600	600	600
Width	mm	750	750	750	750
Depth	mm	207	207	207	207
Weight	kg	13	13	13	13
Pipe Connections	in	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
Retail Price		£499	£623	£675	£799

4 Way 60x60
Cassette



Etherea Pure White
Matt



Wall Mounted TZ



Low Static Pressure
Hide Away



Floor Console



For allowable indoor units
combinations contact us

Free Multi System Z - R32 Outdoor Units

Connected Capacity (Min - Max)		3.2 to 6.0kW	3.2 to 6.0kW	3.2 to 7.7kW	4.5 to 9.5kW	
Outdoor Unit Model Number		CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	
PERFORMANCE	Nominal Cooling (Range)	kW	3.50 (1.50 - 4.50)	4.10 (1.50 - 5.20)	5.00 (1.50 - 5.40)	5.20 (1.80-7.30)
	Nominal Heating (Range)	kW	4.20 (1.10 - 5.60)	4.60 (1.10 - 7.00)	5.60 (1.10 - 7.20)	6.80 (1.60-8.30)
	Number Of Indoor Units		2	2	2	2 - 3
EFFICIENCY	EER - COP (Cool - Heat)		4.86 - 4.88	4.56 - 4.79	4.24 - 4.63	4.95 - 4.72
	SEER - SCOP (Cool - Heat)		8.50 - 4.60	8.50 - 4.60	8.50 - 4.60	8.50 - 4.20
	Energy Eff. Class (Cool / Heat)		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A+
	Annual Electricity Cons.		144 - 974	169 - 1065	206 - 1278	214 - 1667
	Pdesign (Cooling)	kW	3.5	4.1	5.0	5.2
	Heating Capacity at -7°C	kW	TBC	TBC	TBC	3.95
	Pdesign at -10°C	kW	3.2	3.5	4.2	5.0
RANGE	Operating Range - Cooling	°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Height	mm	619	619	619	795
	Width	mm	824	824	824	875
	Depth	mm	299	299	299	320
	Weight	kg	39	39	39	71
	Sound Pressure (Cool-Heat)	dB(A)	48 / 50	48 / 50	50 / 52	47 / 48
	REFRIGERANT & PIPEWORK	Gas Pipe Size*	in	3/8"	3/8"	3/8"
Liquid Pipe Size*		in	1/4"	1/4"	1/4"	1/4"
Min - Max Pipe Run (Per Unit)		m	3 - 20	3 - 20	3 - 20	3 - 25
Min - Max Pipe Run (Total)		m	6 - 30	6 - 30	6 - 30	6 - 50
Maximum Height Difference		m	10	10	10	15
Pre-Charged For		m	20	20	20	30
Charge R32 - Factory		Kg	1.12	1.12	1.12	2.10
Charge R32 - Additional		g/m	15	15	15	20
POWER		Power Supply V - Ph - Hz		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	16	16	16	16
	Power Input (Cool - Heat)	kW	0.72 - 0.86	0.90 - 0.96	1.18 - 1.21	1.09 - 1.47
	Running Current (Cool - Heat)	A	3.35 - 4.00	4.15 - 4.45	5.35 - 5.50	5.00 - 6.70
Retail Price		£931	£1,058	£1,202	£1,449	

1) EER and COP classification is at 230V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure of the units shows the value measured of a position 1m in front of the main body and 0.8m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70 or 95mm for piping port.



For allowable indoor units combinations contact us

Connected Capacity (Min - Max)			4.5 to 11.2kW	4.5 to 11.5kW	4.5 to 14.7kW	4.5 to 18.3kW
Outdoor Unit Model Number			CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
PERFORMANCE	Nominal Cooling (Range)	kW	6.80 (1.90 - 8.00)	6.80 (1.90 - 8.80)	8.00 (3.00 - 9.20)	10.00 (2.90 - 11.50)
	Nominal Heating (Range)	kW	8.50 (3.30 - 10.40)	8.50 (3.00 - 10.60)	9.40 (4.20 - 10.60)	10.40 (3.40 - 14.50)
	Number Of Indoor Units		2 - 3	2 - 4	2 - 4	2 - 5
EFFICIENCY	EER - COP (Cool - Heat)		3.66 - 3.95	4.39 - 4.47	4.04 - 4.63	4.09 - 4.84
	SEER - SCOP (Cool - Heat)		8.00 - 4.20	8.00 - 4.20	7.90 - 4.70	8.50 - 4.68
	Energy Eff. Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A++	A+++ / A++
	Annual Electricity Cons.		298 - 1733	298 - 1933	990 - 2026	1100 - 2545
	Pdesign (Cooling)	kW	6.8	6.8	8.0	9.0
	Heating Capacity at -7°C	kW	4.45	4.45	TBC	TBC
	Pdesign at -10°C	kW	5.2	5.8	6.8	8.6
RANGE	Operating Range - Cooling	°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Height	mm	795	795	999	999
	Width	mm	875	875	940	940
	Depth	mm	320	320	340	340
	Weight	kg	71	72	80	81
	Sound Pressure (Cool-Heat)	dB(A)	51 / 52	49 / 50	51 / 52	53 / 54
REFRIGERANT & PIPEWORK	Gas Pipe Size*	in	3/8"	3/8"	3/8"	3/8"
	Liquid Pipe Size*	in	1/4"	1/4"	1/4"	1/4"
	Min - Max Pipe Run (Per Unit)	m	3 - 25	3 - 25	3 - 25	3 - 25
	Min - Max Pipe Run (Total)	m	6 - 60	6 - 60	6 - 70	6 - 80
	Maximum Height Difference	m	15	15	15	15
	Pre-Charged For	m	30	30	45	45
	Charge R32 - Factory	Kg	2.10	2.10	2.72	2.72
	Charge R32 - Additional	g/m	20	20	20	20
POWER	Power Supply V - Ph - Hz		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	16	20	20	25
	Power Input (Cool - Heat)	kW	1.86 - 2.15	1.55 - 1.90	1.98 - 2.03	2.20 - 2.15
	Running Current (Cool - Heat)	A	8.40 - 9.70	7.00 - 8.60	—	—
Retail Price			£1,647	£1,846	£2,318	£2,722



CU-2Z35TBE
CU-2Z41TBE
CU-2Z50TBE



CU-3Z52TBE
CU-3Z68TBE
CU-4Z68TBE



CU-4Z80TBE
CU-5Z90TBE

For allowable indoor units combinations contact us

Free Multi System Z - R32 Indoor Units

Wall Mounted - TZ

Unit includes infra red remote controller

Indoor Unit		CS-TZ20TKEW-1	CS-TZ25TKEW-1	CS-TZ35TKEW-1	CS-TZ42TKEW-1
Cooling Capacity	kW	2.00	2.50	3.20	4.00
Heating Capacity	kW	3.20	3.60	4.50	5.00
Sound Pressure Level Cooling	dB(A)	22 - 27 - 39	22 - 28 - 42	22 - 32 - 44	31 - 33 - 44
Sound Pressure Level - Heating	dB(A)	24 - 28 - 40	24 - 29 - 42	24 - 35 - 44	30 - 37 - 46
Height	mm	290	290	290	290
Width	mm	799	799	799	799
Depth	mm	197	197	197	197
Weight	kg	8	8	8	8
Pipe Connections	in	3/8" & 1/4"	3/8" & 1/4"	3/8" & 1/4"	1/2" & 1/4"
Retail Price		£268	£300	£334	£380

Wall Mounted - TZ (continued)

Unit includes infra red remote controller

Indoor Unit		CS-TZ50TKEW	CS-TZ60TKEW	CS-TZ71TKEW
Cooling Capacity	kW	5.00	6.00	7.10
Heating Capacity	kW	5.30	8.50	8.70
Sound Pressure Level Cooling	dB(A)	36 - 39 - 44	36 - 39 - 44	37 - 40 - 49
Sound Pressure Level - Heating	dB(A)	36 - 39 - 44	36 - 39 - 44	37 - 40 - 49
Height	mm	302	302	302
Width	mm	1,102	1,102	1,102
Depth	mm	244	244	244
Weight	kg	12	12	12
Pipe Connections	in	1/2" & 1/4"	1/2" - 1/4"	1/2" - 1/4"
Retail Price		£415	£595	£690

Etherea Wall Mounted - Matt Pure White

Unit includes infra red remote controller

Indoor Unit		CS-MZ16TKE	CS-Z20TKEW	CS-Z25TKEW	CS-Z35TKEW	CS-Z42TKEW	CS-Z50TKEW	CS-Z71TKEW
Cooling Capacity	kW	1.60	2.00	2.50	3.20	4.00	5.00	7.10
Heating Capacity	kW	2.60	3.20	3.60	4.50	5.60	6.80	8.60
Sound Pressure Level Cooling	dB(A)	23 - 29 - 39	19 - 24 - 37	19 - 25 - 39	19 - 28 - 42	25 - 31 - 43	30 - 37 - 44	30 - 38 - 47
Sound Pressure Level - Heating	dB(A)	23 - 29 - 39	19 - 25 - 38	19 - 27 - 41	19 - 33 - 43	29 - 35 - 43	30 - 37 - 44	30 - 38 - 47
Height	mm	295	295	295	295	295	299	299
Width	mm	919	919	919	919	919	1120	1120
Depth	mm	194	194	194	194	194	236	236
Weight	kg	9	9	10	10	10	10	13
Pipe Connections	in	3/8" & 1/4"	3/8" & 1/4"	3/8" & 1/4"	3/8" & 1/4"	1/2" & 1/4"	1/2" & 1/4"	5/8" & 1/4"
Retail Price		£231	£260	£319	£355	£370	£509	£802

Size 20, 25, 35, and 50 also available in silver, contact us for pricing.

For allowable indoor units combinations contact us.



Low Static Ducted

Unit includes infra red remote controller

Indoor Unit		CZ-MZ20UD3EA	CZ-Z25UD3EAW	CZ-Z35UD3EAW	CZ-Z50UD3EAW	CZ-Z60UD3EAW
Cooling Capacity	kW	2.0	2.5	3.5	5.0	6.0
Heating Capacity	kW	3.2	3.6	4.5	6.8	8.5
Sound Pressure Level Cooling	dB(A)	26 - 29 - 34	26 - 29 - 35	26 - 29 - 35	28 - 31 - 41	29 - 32 - 43
Sound Pressure Level - Heating	dB(A)	26 - 29 - 34	26 - 29 - 37	26 - 29 - 37	29 - 32 - 41	31 - 34 - 43
Height	mm	200	200	200	200	200
Width	mm	750	750	750	750	750
Depth	mm	640	640	640	640	640
Weight	kg	19	19	19	19	19
Pipe Connections	in	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Retail Price		£515	£622	£651	£866	£903

All indoor units include filters

Compact Cassette

Unit includes infra red remote controller

Indoor Unit		CS-MZ20UB4EA	CS-Z25UB4EAW	CS-Z35UB4EAW	CS-Z50UB4EAW	CS-Z60UB4EAW
Grille		CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Cooling Capacity	kW	2.0	2.5	3.5	5.0	6.0
Heating Capacity	kW	3.2	3.6	4.5	6.8	8.5
Sound Pressure Level Cooling	dB(A)	24 - 27 - 35	24 - 27 - 36	25 - 28 - 36	27 - 30 - 39	31 - 34 - 44
Sound Pressure Level - Heating	dB(A)	27 - 30 - 36	27 - 30 - 37	27 - 30 - 37	28 - 31 - 40	31 - 34 - 45
Height	mm	260 (51)	260 (51)	260 (51)	260 (51)	260 (51)
Width	mm	575 (700)	575 (700)	575 (700)	575 (700)	575 (700)
Depth	mm	575 (700)	575 (700)	575 (700)	575 (700)	575 (700)
Weight	kg	18 (2.5)	18 (2.5)	18 (2.5)	18 (2.5)	18 (2.5)
Pipe Connections	in	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Indoor Unit		£399	£476	£568	£765	£830
Grille		£143	£143	£143	£143	£143
Retail Price		£542	£619	£711	£908	£973

Floor Console

Unit includes infra red remote controller

Indoor Unit		CS-MZ20UFEA	CS-Z25UFEAW	CS-Z35UFEAW	CS-Z50UFEAW
Cooling Capacity	kW	2.0	2.5	3.5	5.0
Heating Capacity	kW	3.2	3.6	4.5	5.3
Sound Pressure Level Cooling	dB(A)	22 - 27 - 39	22 - 27 - 40	22 - 28 - 41	29 - 33 - 44
Sound Pressure Level - Heating	dB(A)	21 - 27 - 39	21 - 27 - 40	21 - 28 - 41	31 - 35 - 48
Height	mm	600	600	600	600
Width	mm	750	750	750	750
Depth	mm	207	207	207	207
Weight	kg	13	13	13	13
Pipe Connections	in	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
Retail Price		£499	£623	£675	£799

4 Way 60x60
Cassette

Etherea Pure White
Matt

Wall Mounted TZ

Low Static Pressure
Hide Away

Floor Console



For allowable indoor units combinations contact us.



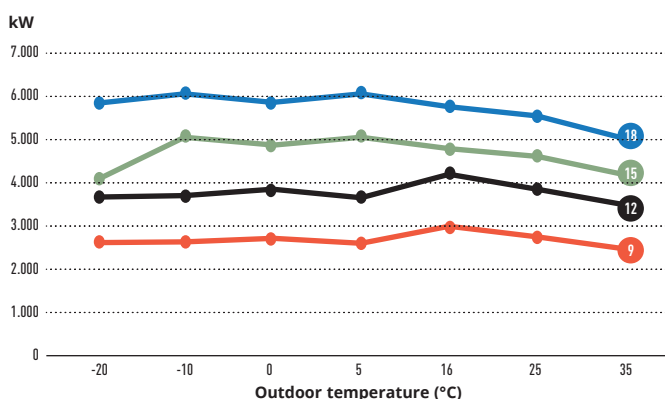


Commercial



This wall mounted air conditioner is especially designed for professional applications such as computer rooms where cooling inside the room is necessary even when the outside temperature is low. Furthermore this air conditioner has an automatic changeover system, in order to maintain the inside temperature even when sharp outside temperature changes occur.

The PKEA Systems provide capacity even at -20°C.



Technical Focus

- Can be controlled by KNX, Modbus and Bacnet interfaces
- Can connect to P-Link ECOi control via the CZ-CAPRA1 Interface
- This unit can be installed on R22 pipe work
- Designed for 24hr/7day a week operation
- Highly efficient even at -20°C
- High durability rolling bearings
- Additional piping sensors to prevent freezing

Outdoor Features

- Cooling even when ambient temperature is as low as -20°C
- Electronic expansion valve (accurate sub-cooling and adjustable refrigerant flow)
- Outdoor DC fan motor to provide flexible air-flow to ensure optimum condensation pressure (works on outdoor pipe temperature sensor)

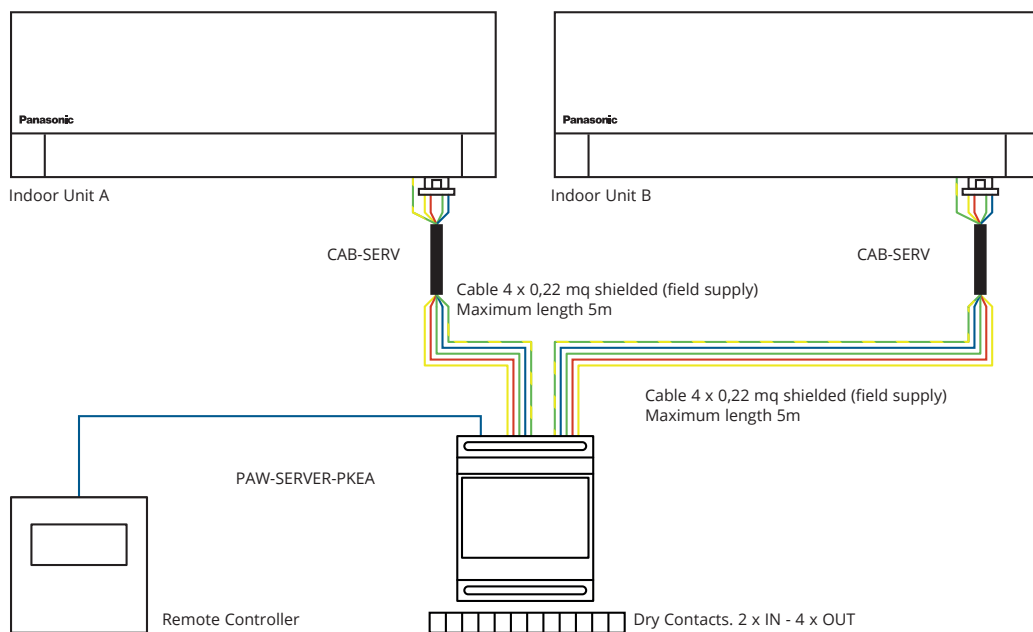


Included on the kit.
Timer remote controller

Interface Option to Manage Server Room Operation

The PAW-SERVER-PKEA server room interface manages redundancy and backup of two PKEA units with two different selectable modes:

- Plug and play by embedded redundancy and backup algorithm (no external signal needed. Further details please refer to operation manual)
- External (third party PLC) redundancy and backup management by dry contact



Main Features

- Cascade management
- Back Up system
- Overheating prevention
- ECO function
- BMS management available

Only available

- CS.ZXXTKEA
- CS.EXXQKE / PKE / NKE

All settings are possible without the need for a computer connection.

A special Energy Saving Mode is selectable by dip switch (available only in plug and play mode). The level of remote control input prohibition can be set when external management is by dry contact.



System Reference			KIT-E9-PKEA	KIT-E12-PKEA
Indoor Unit			CS-E9PKEA	CS-E12PKEA
Wired Remote Controller			Included	Included
Outdoor Unit			CU-E9PKEA	CU-E12PKEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.50 (0.85 - 4.00)
	UK Cooling (Total - Sensible)	kW	2.40 - 1.80	3.40 - 2.60
	Nominal Heating (Range)	kW	3.40 (0.85 - 5.40)	4.00 (0.85 - 6.60)
	UK Heating	kW	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.10 - 4.40	6.70 - 4.10
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		4.85 - 4.86	4.02 - 4.35
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	123 - 891	183 - 1229
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.8	3.5 - 3.6
	Heating Capacity at -7°C / -15°C	kW	3.33 / -	4.07 / -
RANGE	Operating Range - Cooling	°C	-20°C to 43°C	-20°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 870 x 255	295 x 870 x 255
	Outdoor Unit Dimensions (H-W-D)	mm	622 x 824 x 299	622 x 824 x 299
	Weight (Indoor - Outdoor)	kg	10 - 36	10 - 36
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	243 - 243 - 222	245 - 245 - 227
	Moisture Removal Volume	l/h	1.5	2.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	522 - 495	548 - 535
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	23 - 26 - 39 (C) / 24 - 27 - 40 (H)	26 - 29 - 42 (C) / 29 - 33 - 42 (H)
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 47	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 5	3 - 15 / 5
	Pre-Charged For	m	7.5	7.5
	R410A Charge (Factory - Additional)	kg - g/m	1.10 - 20	1.10 - 20
	GWP (Tonnes CO2 Equivalent)		2,297	2,297
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID
POWER	Power Supply (Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	2.40 - 3.30	3.80 - 4.20
	Input Power (Cooling - Heating)	kW	0.52 - 0.70	0.87 - 0.92
	Suggested Fuse Size	A	16	16
	Indoor Unit		£309	£340
Hard Wired Controller			Included	Included
Outdoor Unit			£643	£752
Retail Price			£952	£1,092

Control Accessories

PAW-SERVER-PKEA PCB for installation in server rooms with security £200**CZ-CAPRA1** CN-CNT port integration to PACi and ECOi controls - £135

SEER and SCOP: For KIT-Z25-TKEA. SUPER QUIET: For KIT-Z25-TKEA. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

While
stocks
last

System Reference			KIT-E15-PKEA	KIT-E18-PKEA
Indoor Unit			CS-E15PKEA	CS-E18PKEA
Wired Remote Controller			Included	Included
Outdoor Unit			CU-E15PKEA	CU-E18PKEA
PERFORMANCE	Nominal Cooling (Range)	kW	4.20 (0.98 - 5.00)	5.00 (0.98 - 6.00)
	UK Cooling (Total - Sensible)	kW	4.00 - 3.10	4.90 - 3.70
	Nominal Heating (Range)	kW	5.40 (0.98 - 7.10)	5.80 (0.98 - 8.00)
	UK Heating	kW	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.30 - 3.90	6.90 - 4.20
	Energy Efficiency Class (Cool / Heat)		A++ / A	A++ / A+
	EER - COP (Cooling - Heating)		3.50 - 3.75	3.47 - 3.82
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	233 - 1292	254 - 1467
	Pdesign (Cooling - Heating at -10°C)	kW	4.2 - 3.6	5.0 - 4.4
	Heating Capacity at -7°C / -15°C	kW	4.10 / -	4.98 / -
RANGE	Operating Range - Cooling	°C	-20°C to 43°C	-20°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 870 x 255	295 x 1070 x 255
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	10 - 45	13 - 46
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 250 - 235	322 - 322 - 298
	Moisture Removal Volume	l/h	2.4	2.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	570 - 550	653 - 632
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	29 - 32 - 43 (C) / 29 - 35 - 43 (H)	34 - 37 - 44 (C) / 34 - 37 - 44 (H)
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 46	47 - 47
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 15 / 15	3 - 20 / 15
	Pre-Charged For	m	7.5	7.5
	R410A Charge (Factory - Additional)	kg - g/m	1.06 - 20	1.24 - 20
	GWP (Tonnes CO2 Equivalent)		2.213	2.589
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID
POWER	Power Supply (Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	5.40 - 6.50	6.40 - 6.80
	Input Power (Cooling - Heating)	kW	1.20 - 1.44	1.44 - 1.52
	Suggested Fuse Size	A	16	16
	Indoor Unit		£436	£467
Hard Wired Controller			Included	Included
Outdoor Unit			£872	£913
Retail Price			£1,308	£1,380

Control Accessories

PAW-SERVER-PKEA PCB for installation in server rooms with security £200

CZ-CAPRA1 CN-CNT port integration to PACi and ECOi controls - £135

A++

7.10 SEER

A+

4.40 SCOP

INVERTER+

R2 ROTARY

COMPRESSOR

23dB(A)

SUPER QUIET

-20°C

HEATING MODE

-15°C

HEATING MODE

R32 R410A

R32 REVERSAL

INTEGRATION P-LINE

INTERNET CONTROL

BMS

CONNECTIVITY

SEER and SCOP: For KIT-E9-PKEA. SUPER QUIET: For KIT-Z25-TKEA. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

While
stocks
last

System Reference			KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA
Indoor Unit			CS-Z25TKEA	CS-Z35TKEA	CS-Z42TKEA
Wired Remote Controller			Included	Included	Included
Outdoor Unit			CU-Z25TKEA	CU-Z35TKEA	CU-Z42TKEA
PERFORMANCE	Nominal Cooling (Range)	kW	2.50 (0.85 - 3.00)	3.50 (0.85 - 4.00)	4.20 (0.98 - 5.00)
	UK Cooling (Total - Sensible)	kW	2.49 - 1.90	3.48 - 2.66	4.18 - 3.19
	Nominal Heating (Range)	kW	3.40 (0.85 - 5.40)	4.00 (0.85 - 6.60)	5.40 (0.98 - 7.25)
	UK Heating	kW	3.78	4.62	5.04
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.50 - 4.50	8.50 - 4.40	8.50 - 4.30
	Energy Efficiency Class (Cool / Heat)		A+++ / A+	A+++ / A+	A+++ / A+
	EER - COP (Cooling - Heating)		4.90 - 4.86	4.07 - 4.35	3.82 - 4.00
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	103 - 871	144 - 1145	173 - 1237
	Pdesign (Cooling - Heating at -10°C)	kW	2.5 - 2.8	3.5 - 3.6	4.2 - 3.8
	Heating Capacity at -7°C / -15°C	kW	3.33	4.07	4.30
RANGE	Operating Range - Cooling	°C	-20°C to 43°C	-20°C to 43°C	-20°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299
	Weight (Indoor - Outdoor)	kg	9 - 37	10 - 38	12 - 38
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	173 - 195	178 - 207	303 - 337
	Moisture Removal Volume	l/h	1.5	2.0	2.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	537 - 537	573 - 593	573 - 593
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	22 - 27 - 41	22 - 30 - 43	29 - 35 - 44
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	48 - 50	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 20 / 15	3 - 20 / 15	3 - 20 / 15
	Pre-Charged For	m	7.5	7.5	7.5
	R32 Charge (Factory - Additional)	kg - g/m	0.96 - 10	1.00 - 10	1.08 - 10
	GWP (Tonnes CO2 Equivalent)		0.65	0.68	0.73
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	16.7 ID
POWER	Power Supply (Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Interconnecting Cables		3 core & E	3 core & E	3 core & E
	Running Current (Cooling - Heating)	A	2.45 - 3.40	4.00 - 4.20	5.00 - 6.10
	Input Power (Cooling - Heating)	kW	0.51 - 0.70	0.86 - 0.92	1.10 - 1.35
	Suggested Fuse Size	A	10	10	16
Indoor Unit			£309	£340	£436
Hard Wired Controller			Included	Included	Included
Outdoor Unit			£643	£752	£872
Retail Price			£952	£1,092	£1,308

Control Accessories

PAW-SERVER-PKEA PCB for installation in server rooms with security £200

CZ-CAPRA1 CN-CNT port integration to PACi and ECOi controls - £135



SEER and SCOP: For KIT-E9-PKEA. SUPER QUIET: For KIT-Z25-TKEA. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference		KIT-Z50-TKEA		KIT-Z71-TKEA	
Indoor Unit		CS-Z50TKEA		CS-Z71TKEA	
Wired Remote Controller		Included		Included	
Outdoor Unit		CU-Z50TKEA		CU-Z71TKEA	
PERFORMANCE	Nominal Cooling (Range)	kW	5.00 (0.98 - 6.00)	7.10 (0.98 - 8.10)	
	UK Cooling (Total - Sensible)	kW	4.66 - 4.25	6.55 - 5.20	
	Nominal Heating (Range)	kW	5.80 (0.98 - 8.00)	8.60 (0.98 - 9.90)	
	UK Heating	kW	5.62	6.94	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.50 - 4.40	6.10 - 4.00	
	Energy Efficiency Class (Cool / Heat)		A+++ / A+	A++ / A+	
	EER - COP (Cooling - Heating)		3.60 - 4.03	3.17 - 3.51	
	Energy Label (Cooling / Heating)		A / A	B / B	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	206 - 1400	407 - 1925	
	Pdesign (Cooling - Heating at -10°C)	kW	5.0 - 4.4	7.1 - 5.5	
	Heating Capacity at -7°C / -15°C	kW	5.00	6.13	
RANGE	Operating Range - Cooling	°C	-20°C to 43°C	-20°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236	302 x 1120 x 236	
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320	
	Weight (Indoor - Outdoor)	kg	12 - 43	13 - 49	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	320 - 355	337 - 350	
	Moisture Removal Volume	l/h	2.8	4.1	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	662 - 643	745 - 745	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	30 - 37 - 44	35 - 38 - 47	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 54	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	5/8" - 1/4"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 30 / 15	3 - 30 / 20	
	Pre-Charged For	m	7.5	10	
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 15	1.32 - 25	
	GWP (Tonnes CO2 Equivalent)		0.78	0.89	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	16.7 ID	16.7 ID	
POWER	Power Supply (Indoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	
	Interconnecting Cables		3 core & E	3 core & E	
	Running Current (Cooling - Heating)	A	6.30 - 6.50	9.90 - 10.90	
	Input Power (Cooling - Heating)	kW	1.39 - 1.44	2.24 - 2.45	
	Suggested Fuse Size	A	16	20	
	Indoor Unit		£467	£644	
Hard Wired Controller		Included	Included	Included	
Outdoor Unit			£913	£1,225	
Retail Price			£1,380	£1,869	



CS-Z25-71TKEA



CU-Z25-71TKEA

PACi: Commercial air to air. The full solution for shops, restaurants, offices or residential applications with outstanding efficiency and compact in size.

Product quality and safety. All Panasonic air conditioners undergo strict quality and safety tests before sale. This rigorous process includes obtaining all necessary safety approvals, to ensure that all air conditioners we sell are not only built to the highest market standards, but are also completely safe.

PACi For Economy and Value

With high quality design and engineering, the PACi Standard is the perfect solution for projects which demand quality on a limited budget. In addition, its compact size and light weight make it ideal for installations with limited space including small commercial and residential applications.

The outdoor unit is much more compact than the previous model. The slim and lightweight design means the PACi outdoor unit can be installed in a number of situations.

PACi Standard. From 6,0 to 14,0kW

- Good balance, system cost vs energy efficiency
- Top class SEER/SCOP as a Standard Inverter category
SEER: A++ / SCOP: A+ at 10,0kW (in 90x90 Cassette)
- Interchangeable controller with ECOi
- Compact outdoor units
- Twin connection possible
- Cooling operation up to -10°C
- Heating operation up to -15°C



PACi Elite Increased Energy Efficiency and Pipe Runs

Outstanding performance at low temperatures, high energy efficiency, power consumption in remote control display. Energy-saving concept. The use of energy saving design for the structure of fans, fan motors, compressors and heat exchangers resulted in high COP value which ranked as one the top class in the industry. In addition, use of highly efficient R410A refrigerant reduces CO₂ emission and lowers operating costs.

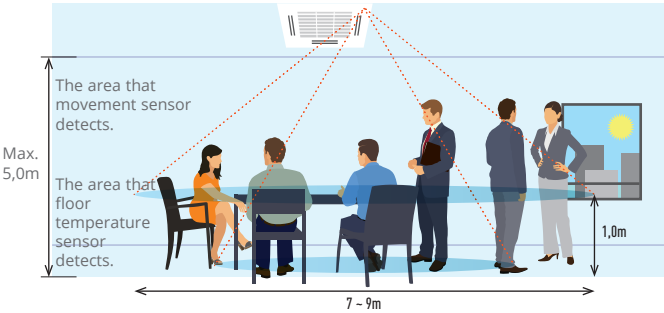
PACi Elite. From 3,6 to 25,0kW

- Meeting all necessary safety approvals to ensure quality and safety
- Top-class SEER: A++ / SCOP: A++ at 10,0kW (in 90x90 Cassette)
- Cooling operation is possible when outdoor temperature as high as 46°C
- DC inverter technology combined with R410A for excellent efficiency
- Cooling operation is possible when outdoor temperature as low as -15°C
- Heating operation is possible when outdoor temperature as low as -20°C
- Compact outdoor units
- Auto restart from outdoor unit
- Twin, Triple and Quad connection possible



Econavi Intelligent Sensor

Human activity sensor and floor temperature sensor can reduce energy usage by optimising air conditioner operation. Available as an option on most PACi systems



Max. 5.0m

The area that movement sensor detects.

The area that floor temperature sensor detects.

7 ~ 9m

1.0m

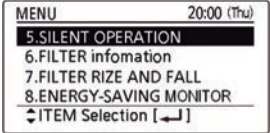
Econavi exclusive panel £220. Optional (CZ-KPU3A)



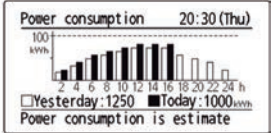
Floor temperature sensor.
This sensor detects average floor temperature and operates circulation if floor is low temperature.

Movement sensor.
This sensor detects the amount of human activity, and operates effectively.

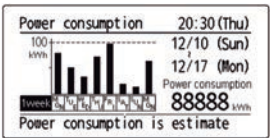
Energy Consumption Monitoring via CZ-RTC5B



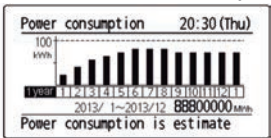
Menu selection: 3 types (Day/Week/Year) of display are available.



Daily Energy consumption: Data is shown with Yesterday's record.(Graph starts from 0 o'clock to 24 o'clock only.)

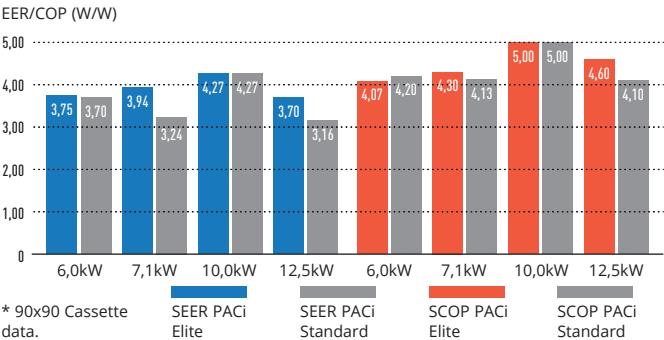


Weekly Energy consumption: Power consumption of each day of the week can be checked.



Annual Energy consumption: Power consumption of each month can be checked.

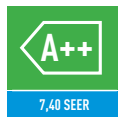
Improved EER & COP Performance



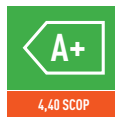
Highlighted Features (vary by model)



Intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduce waste by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.



Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher SEER ratings mean greater efficiency. Save all the year while cooling!



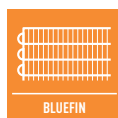
Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher SCOP ratings mean greater efficiency. Save all the year while heating!



Inverter plus products improve on the characteristics of standard Inverter range by over 20%. This means 20% less consumption and 20% off your electric bill. A Inverter plus is also A class on cooling and heating mode.



Wider operation Hz range of compressor realize more high efficient operation through the year. For Big PACi Series PE2.



Panasonic has extended the life of its condensers with an original anti-rust coating. For Big PACi Series PE2.



Big size Fan makes larger airflow rate and very silent operation at low speed. For Big PACi Series PE2.



DC Fan: Save and precise.



The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A systems.



The air conditioner works in cooling only mode with an outdoor temperature of -15°C.



The air conditioner works in heat pump mode even when outdoor temperatures are as low as -20°C or -15°C.



The new AC Smart Cloud from Panasonic allows you to have complete control of all your installations. In a simple click, all your units from several locations, receive status updates in real-time of all your installations, preventing breakdowns and optimizing costs.



Internet Control is a next generation system providing a user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.



The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

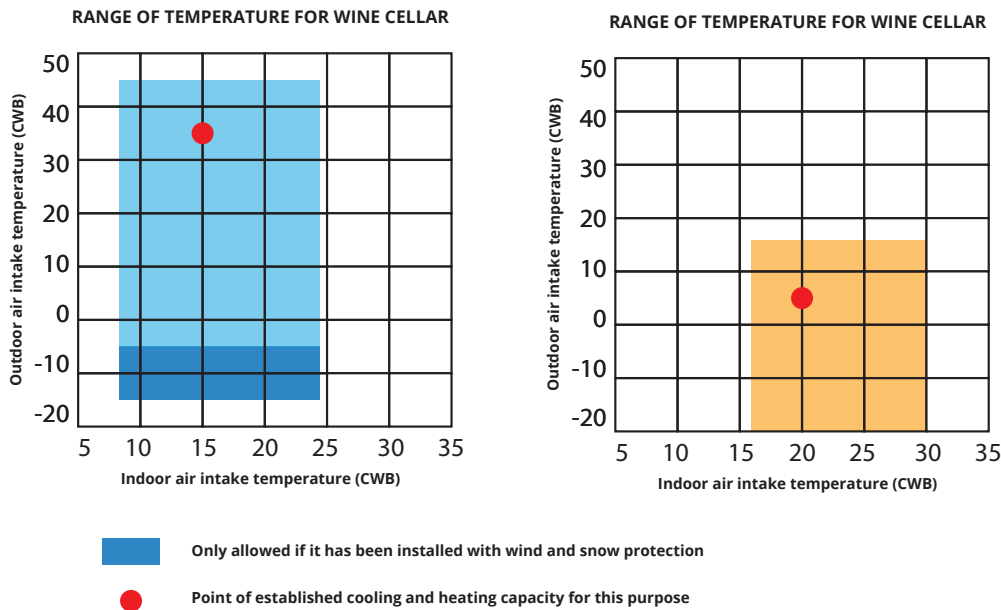
Panasonic PACi Elite offers a high quality and efficient solution for low temperature applications

The Panasonic PACi Elite range of semi-industrial systems has been developed to lead the way in quality air conditioning for commercial environments. The Elite line is prevalent in low temperature applications, including wine cellars, server rooms and food storage areas, thanks to its ErP-approved units, which boasts a SCOP A++ rating and exceptional cooling capabilities.

The Panasonic PACi Elite range boasts a wide range of features that make it the perfect solution to the needs of challenging commercial and seasonal demands. Not only can the units provide continuous cooling, even when outside temperatures are as high as 46°C, they also provide heating when external conditions are as low as -20°C, and cooling when conditions are down to -15°C outside.

Boasting exceptional energy performance, the system ranks among the best in its class (SEER A++ / SCOP A+) and its inverter technology reduces power consumption and operating costs by 20%. This, combined with the use of R410A gas to reduce the unit CO2 emissions, ensures Panasonic PACi solutions offer market-leading efficiency.

The latest models in the series are not only built to the highest industry standards to ensure optimum efficiency, they are also lightweight, with a slim and compact design, making these units easy to install.



			Single Split Systems													
			Nominal Cooling													
			2.5	3.6	4.2	5.0	6.0	7.1	9.0	10.0	12.5	14.0	20.0	25.0		
Wall Mounted	Standard Inverter	1Ph					✓ 73	✓ 73	✓ 73							
		3Ph							✓ 74							
	Elite Inverter	1Ph		✓ 75		✓ 75	✓ 75	✓ 76	✓ 76							
		3Ph						✓ 77	✓ 77							
600 x 600 4 Way Cassette	Standard Inverter	1Ph														
		3Ph														
	Elite Inverter	1Ph		✓ 87		✓ 87										
		3Ph														
4 Way Cassette	Standard Inverter	1Ph					✓ 91	✓ 91		✓ 92	✓ 92					
		3Ph								✓ 93	✓ 93	✓ 93				
	Elite Inverter	1Ph		✓ 94		✓ 94	✓ 94	✓ 94		✓ 95	✓ 95	✓ 95				
		3Ph						✓ 96		✓ 96	✓ 97	✓ 97				
Low Static Ducted	Standard Inverter	1Ph					✓ 109	✓ 109		✓ 110	✓ 110					
		3Ph								✓ 111	✓ 111	✓ 111				
	Elite Inverter	1Ph		✓ 112		✓ 112	✓ 112	✓ 112		✓ 113	✓ 113	✓ 113				
		3Ph						✓ 114		✓ 114	✓ 115	✓ 115				
High Static Ducted	Standard Inverter	1Ph					✓ 125	✓ 125		✓ 126	✓ 126					
		3Ph								✓ 127	✓ 127	✓ 127				
	Elite Inverter	1Ph		✓ 128		✓ 128	✓ 128	✓ 128		✓ 129	✓ 129	✓ 129				
		3Ph						✓ 130		✓ 130	✓ 131	✓ 131				
Large Capacity High Static Ducted	Standard Inverter	1Ph														
		3Ph														
	Elite Inverter	1Ph														
		3Ph											✓ 143	✓ 143		
Ceiling Suspended	Standard Inverter	1Ph					✓ 147	✓ 147		✓ 148	✓ 148					
		3Ph								✓ 149	✓ 149	✓ 149				
	Elite Inverter	1Ph		✓ 150		✓ 150	✓ 150	✓ 150		✓ 151	✓ 151	✓ 151				
		3Ph						✓ 152		✓ 152	✓ 153	✓ 153				



			Single Split Systems													
			Nominal Cooling													
			2.5	3.6	4.2	5.0	6.0	7.1	9.0	10.0	12.5	14.0	20.0	25.0		
Wall Mounted	Standard Inverter	1Ph					✓ 78	✓ 79	✓ 80							
		3Ph							✓ 81							
	Elite Inverter	1Ph		✓ 82		✓ 82	✓ 82	✓ 83	✓ 83							
		3Ph						✓ 84	✓ 85							
600 x 600 4 Way Cassette	Standard Inverter	1Ph														
		3Ph														
	Elite Inverter	1Ph		✓ 88	✓ 89											
		3Ph														
4 Way Cassette	Standard Inverter	1Ph					✓ 98	✓ 99		✓ 100	✓ 100	✓ 100				
		3Ph								✓ 101	✓ 101	✓ 101				
	Elite Inverter	1Ph		✓ 102		✓ 102	✓ 103	✓ 103		✓ 104	✓ 104	✓ 104				
		3Ph						✓ 105	✓ 105		✓ 106	✓ 107				
Low Static Ducted	Standard Inverter	1Ph					✓ 116	✓ 116		✓ 117	✓ 117	✓ 117				
		3Ph								✓ 118	✓ 118	✓ 118				
	Elite Inverter	1Ph		✓ 119		✓ 119	✓ 119	✓ 120		✓ 120	✓ 121	✓ 121				
		3Ph						✓ 122		✓ 122	✓ 123	✓ 123				
High Static Ducted	Standard Inverter	1Ph					✓ 132	✓ 133		✓ 134	✓ 134	✓ 134				
		3Ph								✓ 135	✓ 135	✓ 135				
	Elite Inverter	1Ph		✓ 136	✓ 136		✓ 137	✓ 137		✓ 138	✓ 138	✓ 139				
		3Ph						✓ 140		✓ 140	✓ 141	✓ 141				
Large Capacity High Static Ducted	Standard Inverter	1Ph														
		3Ph														
	Elite Inverter	1Ph														
		3Ph												✓ 145	✓ 145	
Ceiling Suspended	Standard Inverter	1Ph					✓ 154	✓ 155		✓ 156	✓ 156	✓ 156				
		3Ph								✓ 157	✓ 157	✓ 157				
	Elite Inverter	1Ph		✓ 158		✓ 158	✓ 159	✓ 159		✓ 160	✓ 160	✓ 161				
		3Ph						✓ 162		✓ 162	✓ 163	✓ 163				



The extension of the range to include a 10kW unit allows for many more applications such as studios, gyms, high ceiling areas and even computer server rooms.

The unit's compact design and flat face ensure discreet installation, even in a small space.

Washable front panel.

The indoor unit's front panel can be easily removed and washed for trouble-free cleaning.

Closed discharge port.

When the unit is turned OFF, the flap closes completely to prevent dust getting into the unit and to keep the equipment clean.

Quiet operation.

These units are among the quietest in the industry.

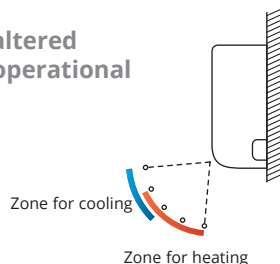
Smooth and durable design.

The sleek, compact design ensures a discreet installation - even where space is limited.

Piping outlet in three directions.

With three options for pipe outlets-rear, right and left - installation is made easy.

Air distribution is altered depending on the operational mode of the unit.



Technical Focus

- 10.0kW capacity unit
- Flat face design for modern appearance
- Compact design offers over 15% reduction in overall size
- Washable front panel
- DC FAN for better efficiency and control
- Three directional piping outlet
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit



Included
Controller.
Wired remote
controller
CZ-RTC5B
Compatible
with Econavi



Optional
Econavi Sensor.
CZ-CENSC1



Optional
Controller
Wireless
remote
controller
CZ-RWSK2



Optional
Controller.
Simplified
remote
controller
CZ-RE2C2



U-60PEY2E5
U-71PEY2E5
U-36PE2E5A
U-50PE2E5A
U-60PE2E5A



U-100PEY1E5
U-100PEY1E8
U-71PE1E5A
U-71PE1E8A



U-100PE1E5A
U-100PE1E8A

System Reference			KIT-60PKY2E5D	KIT-71PKY2E5D	KIT-100PKY2E5D
Indoor Unit			S-60PK2E5B	S-71PK2E5B	S-100PK2E5B
Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-60PEY2E5	U-71PEY2E5	U-100PEY1E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.0 - 7.7)	9.0 (2.7 - 9.7)
	UK Cooling (Total - Sensible)	kW	6.8 - 5.1	7.4 - 5.4	8.9 - 6.0
	Nominal Heating (Range)	kW	6.0 (1.8 - 7.0)	7.1 (1.8 - 8.1)	9.0 (2.1 - 10.5)
	UK Heating	kW	6.8	7.9	9.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.70 - 4.00	5.40 - 4.00	5.90 - 3.90
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A / A+	A+ / A
	EER - COP (Cooling - Heating)		3.47 - 4.30	2.90 - 4.20	2.67 - 3.90
	Energy Label (Cooling / Heating)		A / A	C / A	D / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	375 - 2100	460 - 2100	534 - 3231
	Pdesign (Cooling - Heating at -10°C)	kW	6.1 - 6.0	7.1 - 6.0	9.0 - 9.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	9.97 / 8.43
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 X 1120 X 236	302 X 1120 X 236	302 X 1120 X 236
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	14 - 40	14- 40	14 - 73
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 292 - 330	242 - 292 - 330	250 - 308 - 360
	Moisture Removal Volume	l/h	3.4	4.2	5.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 683	733 - 683	1267 - 1117
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47	40 - 44 - 47	41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	49 - 49	54 - 54
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.95 - 40	1.95 - 40	2.60 - 50
	GWP (Tonnes CO2 Equivalent)		4.072	4.072	5.429
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)	VP13 (18mm OD)	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	8.20 - 6.55	11.40 - 7.85	15.3 - 10.6
	Input Power (Cooling - Heating)	kW	1.76 - 1.42	2.45 - 1.69	3.37 - 2.38
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	25 / 5	25 / 5
	Indoor Unit		£660	£800	£845
Hard Wired Controller			£104	£104	£104
Outdoor Unit			£936	£995	£1,332
Retail Price			£1,700	£1,899	£2,281

Control Accessories
CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PKY1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* For wiring options refer to page 175

PACi
STANDARD

System Reference			KIT-100PKY2E8D
Indoor Unit			S-100PK2E5B
Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-100PEY1E8
PERFORMANCE	Nominal Cooling (Range)	kW	9.0 (2.7 - 9.7)
	UK Cooling (Total - Sensible)	kW	8.9 - 6.0
	Nominal Heating (Range)	kW	9.0 (2.1 - 10.5)
	UK Heating	kW	9.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.80 - 3.90
	Energy Efficiency Class (Cool / Heat)		A+ / A
	EER - COP (Cooling - Heating)		2.67 - 3.78
	Energy Label (Cooling / Heating)		D / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	543 - 3231
	Pdesign (Cooling - Heating at -10°C)	kW	9.0 - 9.0
	Heating Capacity at -7°C / -15°C	kW	9.97 / 8.43
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	14 - 73
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 308 - 360
	Moisture Removal Volume	l/h	5.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1117
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30
	Pre-Charged For	m	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50
	GWP (Tonnes CO2 Equivalent)		5.429
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*
	Running Current (Cooling - Heating)	A	5.10 - 3.55 Per Phase
	Input Power (Cooling - Heating)	kW	3.37 - 2.38
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5
Indoor Unit			£845
Hard Wired Controller			£104
Outdoor Unit			£1,414
Retail Price			£2,363

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PKY1E5A

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-36PK2E5D	KIT-50PK2E5D	KIT-60PK2E5D
Indoor Unit			S-36PK2E5B	S-50PK2E5B	S-60PK2E5B
Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PE2E5A	U-50PE2E5A	U-60PE2E5A
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.1 (2.0 - 7.1)
	UK Cooling (Total - Sensible)	kW	4.0 - 3.0	5.5 - 4.1	6.8 - 5.1
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8- 8.0)
	UK Heating	kW	4.6	6.3	7.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.40 - 4.30	6.20 - 4.10	6.40 - 4.20
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		4.56 - 4.71	3.57 - 3.94	3.53 - 4.22
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	197 - 1172	282 - 1707	319 - 2000
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 5.0	6.1 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299
	Weight (Indoor - Outdoor)	kg	13 - 39	13 - 39	14 - 40
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	150 - 183 - 216	183 - 292 - 260	242 - 292 - 330
	Moisture Removal Volume	l/h	2.1	2.8	3.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 633	633 - 683	633 - 683
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	27 - 31 - 35	32 - 36 - 40	40 - 44 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 48	46 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	3 - 40 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.40 - 20	1.40 - 20	1.95 - 40
	GWP (Tonnes CO2 Equivalent)		2.923	2.923	4.072
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)	VP13 (18mm OD)	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	3.70 - 3.95	6.30 - 6.45	8.05 - 7.75
	Input Power (Cooling - Heating)	kW	0.79 - 0.85	1.40 - 1.42	1.68 - 1.66
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5	20 / 5	25 / 5
Indoor Unit			£608	£640	£660
Hard Wired Controller			£104	£104	£104
Outdoor Unit			£943	£1,101	£1,365
Retail Price			£1,655	£1,845	£2,129

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-60PK1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



* For wiring options refer to page 175

System Reference			KIT-71PK2E5D	KIT-100PK2E5D
Indoor Unit			S-71PK2E5B	S-100PK2E5B
Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PE1E5A	U-100PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.5 - 8.0)	9.5 (3.3 - 10.5)
	UK Cooling (Total - Sensible)	kW	7.9 - 5.9	9.6 - 6.5
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	9.5 (4.1 - 11.5)
	UK Heating	kW	8.1	11.5
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.70 - 4.10	6.30 - 3.80
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A
	EER - COP (Cooling - Heating)		3.40 - 4.00	3.25 - 3.97
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	371 - 2424	528 - 3325
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 7.1	9.5 - 9.5
	Heating Capacity at -7°C / -15°C	kW	7.52 / 7.65	12.04 / 11.20
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 X 1120 X 236	302 X 1120 X 236
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	14 - 69	14 - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 292 - 330	250 - 308 - 360
	Moisture Removal Volume	l/h	4.2	5.7
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1000 - 1000	1833 - 1583
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47	41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.35 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		4.907	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	9.40 - 8.40	12.90 - 10.50
	Input Power (Cooling - Heating)	kW	2.09 - 2.00	2.92 - 2.92
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	25 / 5
	Indoor Unit		£800	£845
Hard Wired Controller			£104	£104
Outdoor Unit			£1,490	£1,984
Retail Price			£2,394	£2,933

Control Accessories
CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PK1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference		KIT-71PK2E8D		KIT-100PK2E8D	
Indoor Unit		S-71PK2E5B		S-100PK2E5B	
Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-71PE1E8A		U-100PE1E8A	
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (3.2 - 8.0)	9.5 (3.3 - 10.5)	
	UK Cooling (Total - Sensible)	kW	7.9 - 5.9	9.6 - 6.5	
	Nominal Heating (Range)	kW	8.0 (2.8 - 9.0)	9.5 (4.1 - 11.5)	
	UK Heating	kW	8.4	11.5	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.50 - 4.10	6.10 - 4.00	
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A+ / A+	
	EER - COP (Cooling - Heating)		3.40 - 4.00	3.25 - 3.97	
	Energy Label (Cooling / Heating)		A / A	A / A	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	382 - 2424	545 - 3325	
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 7.1	9.5 - 9.5	
	Heating Capacity at -7°C / -15°C	kW	7.52 / 7.65	12.04 / 11.20	
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236	302 x 1120 x 236	
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340	
	Weight (Indoor - Outdoor)	kg	14 - 71	14 - 98	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 292 - 330	250 - 308 - 360	
	Moisture Removal Volume	l/h	4.2	5.7	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1000 - 1000	1833 - 1583	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47	41 - 45 - 49	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 75 / 30	
	Pre-Charged For	m	30	30	
	R410A Charge (Factory - Additional)	kg - g/m	2.35 - 50	3.40 - 50	
	GWP (Tonnes CO2 Equivalent)		4.907	7.099	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	VP13 (18mm OD)	VP13 (18mm OD)	
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50	
POWER	Interconnecting Cables		2 core*	2 core*	
	Running Current (Cooling - Heating)	A	3.10 - 3.00 Per Phase	4.35 - 3.55 Per Phase	
	Input Power (Cooling - Heating)	kW	2.09 - 2.00	2.92 - 2.39	
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5	
	Indoor Unit		£800	£845	
	Hard Wired Controller		£104	£104	
	Outdoor Unit		£1,535	£2,016	
	Retail Price		£2,439	£2,965	

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-60PK1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* For wiring options refer to page 175



System Reference			KIT-60PK2Z5
Indoor Unit			S-60PK2E5B
Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-60PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.1 (2.0 - 7.1)
	UK Cooling (Total - Sensible)	kW	6.7 - 4.4
	Nominal Heating (Range)	kW	6.1 (1.8 - 7.0)
	UK Heating	kW	5.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.8 - 4.7
	Energy Efficiency Class (Cool / Heat)		A++ / A++
	EER - COP (Cooling - Heating)		3.79 - 4.80
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	314 - 1787
	Pdesign (Cooling - Heating at -10°C)	kW	6.1 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	14 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 300 - 330
	Moisture Removal Volume	l/h	2.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		0.98
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	7.5 - 5.85
	Input Power (Cooling - Heating)	kW	1.61 - 1.27
	Suggested Fuse Size (Outdoor / Indoor)	A	20A / 5A
Indoor Unit			£660
Hard Wired Controller			£104
Outdoor Unit			£936
Retail Price			£1,700

Control Accessories

CZ-RWSK2 Wireless remote control - £93

CZ-RE2C2 Simplified remote control - £124

PAW-PACR3 3 Unit redundancy and back up operation - £1,500


INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

System Reference			KIT-71PK2Z5
Indoor Unit			S-71PK2E5B
Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-71PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.0 - 7.7)
	UK Cooling (Total - Sensible)	kW	7.5 - 4.7
	Nominal Heating (Range)	kW	7.1 (1.8 - 8.1)
	UK Heating	kW	6.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.4 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++
	EER - COP (Cooling - Heating)		3.21 - 4.41
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	388 - 1826
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	14 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 300 - 330
	Moisture Removal Volume	l/h	3.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	833 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		0.98
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	10.20 - 7.50
	Input Power (Cooling - Heating)	kW	2.21 - 1.61
	Suggested Fuse Size (Outdoor / Indoor)	A	20A / 5A
Indoor Unit			£800
Hard Wired Controller			£104
Outdoor Unit			£995
Retail Price			£1,899



S-71PK2E5B

PACi
STANDARD

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PK2Z5
Indoor Unit			S-100PK2E5B
Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-100PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	9.0 (3.0 - 9.7)
	UK Cooling (Total - Sensible)	kW	9.0 - 5.6
	Nominal Heating (Range)	kW	9.0 (3.0 - 10.5)
	UK Heating	kW	8.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.50 - 3.90
	Energy Efficiency Class (Cool / Heat)		A++ / A
	EER - COP (Cooling - Heating)		3.47 - 3.93
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	485 - 3231
	Pdesign (Cooling - Heating at -10°C)	kW	9.0 - 9.0
	Heating Capacity at -7°C / -15°C	kW	7.92
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370
	Weight (Indoor - Outdoor)	kg	14 - 90
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 308 - 360
	Moisture Removal Volume	l/h	4.3
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1167
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45
	GWP (Tonnes CO2 Equivalent)		1.76
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	11.5 - 10.2
	Input Power (Cooling - Heating)	kW	2.59 - 2.29
	Suggested Fuse Size (Outdoor / Indoor)	A	32A / 5A
Indoor Unit			£845
Hard Wired Controller			£104
Outdoor Unit			£1,332
Retail Price			£2,281

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

System Reference			KIT-100PK2Z8
Indoor Unit			S-100PK2E5B
Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-100PZ2E8
PERFORMANCE	Nominal Cooling (Range)	kW	9.0 (3.0 - 9.7)
	UK Cooling (Total - Sensible)	kW	9.0 - 5.6
	Nominal Heating (Range)	kW	9.0 (3.0 - 10.5)
	UK Heating	kW	8.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.50 - 3.90
	Energy Efficiency Class (Cool / Heat)		A++ / A
	EER - COP (Cooling - Heating)		3.47 - 3.93
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	485 - 3231
	Pdesign (Cooling - Heating at -10°C)	kW	9.0 - 9.0
	Heating Capacity at -7°C / -15°C	kW	7.92
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370
	Weight (Indoor - Outdoor)	kg	14 - 90
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 308 - 367
	Moisture Removal Volume	l/h	4.3
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1167
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45
	GWP (Tonnes CO2 Equivalent)		1.76
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	3.90 - 3.45
	Input Power (Cooling - Heating)	kW	2.59 - 2.29
	Suggested Fuse Size (Outdoor / Indoor)	A	13A per phase / 5A
Indoor Unit			£845
Hard Wired Controller			£104
Outdoor Unit			£1,414
Retail Price			£2,363



S-100PK2E5B



U-100PZ2E8

PACi
STANDARD

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-36PK2ZH5	KIT-50PK2ZH5	KIT-60PK2ZH5
Indoor Unit			S-36PK2E5B	S-50PK2E5B	S-60PK2E5B
Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.1 (2.0 - 7.1)
	UK Cooling (Total - Sensible)	kW	3.7 - 2.5	5.1 - 3.5	6.7 - 4.4
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8 - 8.0)
	UK Heating	kW	4.4	5.3	6.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.0 - 4.9	7.6 - 4.7	7.2 - 4.8
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++	A++ / A++
	EER - COP (Cooling - Heating)		4.90 - 4.94	4.10 - 4.21	3.86 - 4.46
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	157 - 1029	230 - 1340	297 - 1750
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 4.5	6.1 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	13 - 43	13 - 43	14 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	150 - 183 - 217	183 - 230 - 260	250 - 300 - 330
	Moisture Removal Volume	l/h	0.9	1.8	2.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 667	667 - 750	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	27 - 31 - 35	32 - 36 - 40	40 - 44 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	43 - 44	45 - 48	46 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 20	1.15 - 20	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		TBC	TBC	TBC
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)	VP13 (18mm OD)	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	3.40 - 3.75	5.50 - 6.05	7.35 - 7.30
	Input Power (Cooling - Heating)	kW	0.74 - 0.81	1.22 - 1.33	1.58 - 1.57
	Suggested Fuse Size (Outdoor / Indoor)	A	13A / 5A	13A / 5A	20A / 5A
Indoor Unit			£608	£640	£660
Hard Wired Controller			£104	£104	£104
Outdoor Unit			£943	£1,101	£1,365
Retail Price			£1,655	£1,845	£2,129

Control Accessories

CZ-RWSK2 Wireless remote control - £93

CZ-RE2C2 Simplified remote control - £124

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

System Reference			KIT-71PK2ZH5	KIT-100PK2ZH5
Indoor Unit			S-71PK2E5B	S-100PK2E5B
Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PZH2E5	U-100PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.5 - 9.0)	9.5 (3.3 - 10.5)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.1	9.6 - 9.6
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	9.5 (3.1 - 11.5)
	UK Heating	kW	8.1	10.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.7 - 6.7	6.3 - 6.3
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		3.46 - 4.00	3.32 - 3.97
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2	9.5 - 8.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	14 - 68	14 - 101
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 292 - 330	250 - 308 - 360
	Moisture Removal Volume	l/h	3.0	4.3
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1017 - 1000	1967 - 1800
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47	41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 85 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	19.5 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		1.316	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	9.10 - 8.80	12.90 - 10.60
	Input Power (Cooling - Heating)	kW	2.05 - 2.00	2.86 - 2.39
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5A	TBC / 5A
Indoor Unit			£800	£845
Hard Wired Controller			£104	£104
Outdoor Unit			£1,490	£1,984
Retail Price			£2,394	£2,933



S-100PK2E5B

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-71PK2ZH8
Indoor Unit			S-71PK2E5B
Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-71PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.2 - 8.0)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.1
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)
	UK Heating	kW	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.6 - 6.6
	Energy Efficiency Class (Cool / Heat)		A++ / A+
	EER - COP (Cooling - Heating)		3.46 - 4.00
	Energy Label (Cooling / Heating)		TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	370 - 1549
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	14 - 68
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 292 - 330
	Moisture Removal Volume	l/h	3.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1017 - 1000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	40 - 44 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.95 - 45
	GWP (Tonnes CO2 Equivalent)		1.316
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	3.05 - 3.00
	Input Power (Cooling - Heating)	kW	2.03 - 2.00
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£800
Hard Wired Controller			£104
Outdoor Unit			£1,535
Retail Price			£2,439

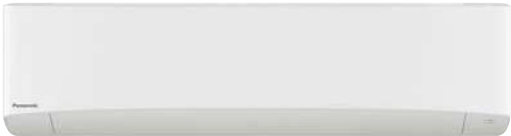
Control Accessories

CZ-RWSK2 Wireless remote control - £93

CZ-RE2C2 Simplified remote control - £124

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

System Reference		KIT-100PK2ZH8
Indoor Unit		S-100PK2E5B
Wired Remote Controller		CZ-RTC5B
Outdoor Unit		U-100PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW 9.5 (3.1 - 10.5)
	UK Cooling (Total - Sensible)	kW 9.6 - 9.6
	Nominal Heating (Range)	kW 9.5 (3.1 - 11.5)
	UK Heating	kW 10.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)	6.3 - 4.1
	Energy Efficiency Class (Cool / Heat)	A++ / A+
	EER - COP (Cooling - Heating)	3.26 - 3.97
	Energy Label (Cooling / Heating)	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a 526 - 2732
	Pdesign (Cooling - Heating at -10°C)	kW 9.5 - 8.0
	Heating Capacity at -7°C / -15°C	kW TBC
RANGE	Operating Range - Cooling	°C -15°C to 46°C
	Operating Range - Heating	°C -20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm 302 x 1120 x 236
	Outdoor Unit Dimensions (H-W-D)	mm 1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg 14 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s 250 - 308 - 360
	Moisture Removal Volume	l/h 4.3
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s 1967 - 1800
SOUND	Indoor Sound Pressure (L-M-H)	dB(A) 41 - 45 - 49
	Outdoor Sound Pressure (Cool - Heat)	dB(A) 52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in 5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m 5 - 85 / 15 - 30*
	Pre-Charged For	m 30
	R32 Charge (Factory - Additional)	kg - g/m 3.05 - 45
	GWP (Tonnes CO2 Equivalent)	2.059
	Suitable For Replacement Tech.	Yes
	Indoor Drain Connection	mm VP13 (18mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz 400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables	2 core**
	Running Current (Cooling - Heating)	A 4.35 - 3.55
	Input Power (Cooling - Heating)	kW 2.91 - 2.39
	Suggested Fuse Size (Outdoor / Indoor)	A TBC / 5A
Indoor Unit		£845
Hard Wired Controller		£104
Outdoor Unit		£2,016
Retail Price		£2,965



S-100PK2E5B

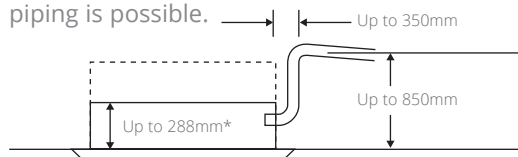


* Outdoor Lower / Higher
** For wiring options refer to page 175



A drain height of approximately 850mm from the ceiling surface

The drain height can be increased by approx. 350mm over the conventional value by using a high-lift drain pump, and long horizontal piping is possible.



Lighter and slimmer, easier installation

Lightweight and very slim which makes installation possible even in narrow ceilings. Designed to fit exactly into a 600 x 600mm ceiling grid without the need to alter the bar configuration.

Significant reduction of power consumption by using highly developed DC fan motors with variable speed, special heat exchangers,

Technical Focus

- Fresh air knock out, 80mm diameter
- Multidirectional air flow
- Integrated drain pump gives 850mm lift from ceiling tile
- 3 speed centrifugal fan
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit



Included Controller, Wired remote controller CZ-RTC5B Compatible with Econavi



Optional Controller Wireless remote controller CZ-RWSK2



Optional Controller, Simplified remote controller CZ-RE2C2



U-36PE2E5A
U-50PE2E5A

System Reference			KIT-36PY2E5C	KIT-50PY2E5C
Indoor Unit			S-36PY2E5B	S-50PY2E5B
Grille			CZ-KPY3AW	CZ-KPY3AW
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PE2E5A	U-50PE2E5A
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)
	UK Cooling (Total - Sensible)	kW	4.0 - 2.9	5.5 - 3.8
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)
	UK Heating	kW	4.6	6.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.30 - 4.10	6.10 - 3.90
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A
	EER - COP (Cooling - Heating)		4.50 - 4.08	3.47 - 3.31
	Energy Label (Cooling / Heating)		A / A	A / C
	Annual Electricity Cons. (Cool - Heat)	kWh/a	200 - 1229	287 - 1795
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 5.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	288 (31) x 583 (700) x 583 (700)	288 (31) x 583 (700) x 583 (700)
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299
	Weight (Indoor (Grille) - Outdoor)	kg	18 (2.4) - 39	18 (2.4) - 39
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	100 - 130 - 162	142 - 163 - 185
	Moisture Removal Volume	l/h	2.1	2.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 633	633 - 683
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 36	33 - 37 - 40
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.40 - 20	1.40 - 20
	GWP (Tonnes CO2 Equivalent)		2.923	2.923
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	3.60 - 4.50	6.50 - 7.70
	Input Power (Cooling - Heating)	kW	0.80 - 0.98	1.44 - 1.69
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5	20 / 5
Indoor Unit			£579	£641
Grille			£201	£201
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£943	£1,101
Retail Price			£1,827	£2,047

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-36PY2E5B. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* For wiring options refer to page 175

System Reference			KIT-36PY2ZH5
Indoor Unit			S-36PY2E5B
Grille			CZ-KPY3AW
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-36PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.50 - 4.00)
	UK Cooling (Total - Sensible)	kW	3.7 - 2.4
	Nominal Heating (Range)	kW	4.0 1.50 - 5.00)
	UK Heating	kW	4.4
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.6 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++
	EER - COP (Cooling - Heating)		4.68 - 4.26
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	191 - 1096
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	288 (31) x 583 (700) x 583 (700)
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor (Grille) - Outdoor)	kg	18 (2.4) - 43
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	100 - 133 - 162
	Moisture Removal Volume	l/h	1.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 667
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 36
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	43 - 44
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 20
	GWP (Tonnes CO2 Equivalent)		0.776
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	3.50 - 4.30
	Input Power (Cooling - Heating)	kW	0.77 - 0.94
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£579
Grille			£201
Hard Wired Remote Controller			£104
Outdoor Unit			£943
Retail Price			£1,827

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-36PY2E5B. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-50PKY2ZH5
Indoor Unit			S-50PY2E5B
Grille			CZ-KPY3AW
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-50PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	5.0 (1.50 - 5.60)
	UK Cooling (Total - Sensible)	kW	5.1 - 3.2
	Nominal Heating (Range)	kW	5.6 (1.50 - 6.50)
	UK Heating	kW	5.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.4 - 4.3
	Energy Efficiency Class (Cool / Heat)		A++ / A+
	EER - COP (Cooling - Heating)		3.68 - 3.46
	Energy Label (Cooling / Heating)		A / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	273 - 1465
	Pdesign (Cooling - Heating at -10°C)	kW	5.0 - 4.5
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	288 (31) x 583 (700) x 583 (700)
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor (Grille) - Outdoor)	kg	18 (2.4) - 43
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	142 - 163 - 185
	Moisture Removal Volume	l/h	2.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	33 - 37 - 40
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 20
	GWP (Tonnes CO2 Equivalent)		0.776
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	6.10 - 8.40
	Input Power (Cooling - Heating)	kW	1.36 - 1.62
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£641
Grille			£201
Hard Wired Remote Controller			£104
Outdoor Unit			£1,101
Retail Price			£2,047

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-36PY2E5B. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175



Large capacity PACi. Trusted power and high efficiency.

Thanks to advances in design and technology such as the new high performance turbo fan, the nanoe™ air cleaner and the Econavi floor temperature & humidity sensor. The new U2 Panasonic 900x900 4 way cassette provides industry leading performance and comfort.

Technical Focus

- Drain lift up pump, 850mm from underside of ceiling
- Fresh air intake, 100mm diameter
- Suitable for Replacement Technology
- New high performance turbo fan
- Lower noise in low fan operation
- Light weight, easy piping
- Econavi: Floor temperature and humidity sensor added.
- Nanoe™: more purification power (optional).



Included Controller.
Wired remote controller
CZ-RTCSB
Compatible with Econavi



Optional Controller
Wireless remote control
CZ-RWSU3



Optional Controller.
Simplified remote controller
CZ-RE2C2



Econavi panel:
CZ-KPU3A
(CZ-RTCSB is required)



Optional nanoe™ kit:
CZ-CNEXU1
(CZ-RTCSB is required)



U-100PEY1E5
U-125PEY1E5
U-100PEY1E8
U-125PEY1E8
U-71PE1E5A
U-71PE1E8A

System Reference		KIT-60PUY2E5D		KIT-71PUY2E5D	
Indoor Unit		S-60PU2E5B		S-71PU2E5B	
Grille		CZ-KPU3		CZ-KPU3	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-60PEY2E5		U-71PEY2E5	
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.0 - 7.7)	
	UK Cooling (Total - Sensible)	kW	6.8 - 5.4	7.4 - 5.8	
	Nominal Heating (Range)	kW	6.0 (1.8 - 7.0)	7.1 (1.8 - 8.1)	
	UK Heating	kW	6.8	7.9	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.00 - 4.10	6.50 - 4.20	
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+	
	EER - COP (Cooling - Heating)		3.70 - 4.20	3.24 - 4.13	
	Energy Label (Cooling / Heating)		A / A	A / A	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	300 - 2047	382 - 2002	
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0	7.1 - 6.0	
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)	256 (33.5) x 840 (950) x 840 (950)	
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	
	Weight (Indoor (Grille) - Outdoor)	kg	20 (5) - 40	20 (5) - 40	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	217 - 260 - 350	217 - 260 - 367	
	Moisture Removal Volume	l/h	1.7	2.5	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 683	733 - 683	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	28 - 31 - 36	28 - 31 - 37	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	49 - 49	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	
	Pre-Charged For	m	30	30	
	R410A Charge (Factory - Additional)	kg - g/m	1.95 - 40	1.95 - 40	
	GWP (Tonnes CO2 Equivalent)		4.072	4.072	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	
	Running Current (Cooling - Heating)	A	7.60 - 6.75	10.30 - 8.10	
	Input Power (Cooling - Heating)	kW	1.62 - 1.43	2.19 - 1.72	
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	25 / 5	
Indoor Unit			£579	£785	
Grille			£176	£176	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£936	£995	
Retail Price			£1,795	£2,060	

Control Accessories

CZ-RWSK2 Wireless remote control - £93

PAW-PACR3 3 Unit redundancy and back up operation - £1,500

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PKY2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* Outdoor Lower / Higher

** For wiring options refer to page 175

PACi
STANDARD

System Reference			KIT-100PUY2E5D	KIT-125PUY2E5D
Indoor Unit			S-100PU2E5B	S-125PU2E5B
Grille			CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E5	U-125PEY1E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.3 - 12.5)	12.5 (3.8 - 13.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 8.8	12.2 - 9.7
	Nominal Heating (Range)	kW	11.2 (4.1 - 14.0)	12.5 (3.4 - 15.0)
	UK Heating	kW	12.6	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.60 - 4.80	6.22 - 3.87
	Energy Efficiency Class (Cool / Heat)		A++ / A++	NA
	EER - COP (Cooling - Heating)		4.27 - 5.00	3.16 - 4.10
	Energy Label (Cooling / Heating)		A / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	461 - 2917	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)	319 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 73	25 (5) - 85
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	300 - 430 - 600	317 - 450 - 617
	Moisture Removal Volume	l/h	2.7	4.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	1333 - 1217
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 38 - 45	33 - 39 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	6.682
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	14.2 - 10.6	18.0 - 13.6
	Input Power (Cooling - Heating)	kW	2.34 - 2.24	3.96 - 3.05
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5
Indoor Unit			£853	£919
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,332	£1,494
Retail Price			£2,465	£2,693

Control Accessories

CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220


SEER and SCOP: For KIT-100PKY2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
STANDARD

System Reference		KIT-100PUY2E8D	KIT-125PUY2E8D	KIT-140PUY2E8D
Indoor Unit		S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Grille		CZ-KPU3	CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller		CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit		U-100PEY1E8	U-125PEY1E8	U-140PEY1E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 8.8	12.2 - 9.9
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)
	UK Heating	kW	12.6	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.60 - 4.30	6.20 - 3.87
	Energy Efficiency Class (Cool / Heat)		A++ / A+	NA
	EER - COP (Cooling - Heating)		3.16 - 4.15	3.16 - 4.10
	Energy Label (Cooling / Heating)		B / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	530 - 3256	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
RANGE	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)	
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 73	25 (5) - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	300 - 430 - 600	317 - 450 - 617
	Moisture Removal Volume	l/h	2.7	4.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1117	1333 - 1217
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 38 - 45	33 - 39 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50
	GWP (Tonnes CO2 Equivalent)		5.429	6.682
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
POWER	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	4.75 - 3.60 / Ph	5.90 - 4.50 / Ph
	Input Power (Cooling - Heating)	kW	3.16 - 2.41	3.96 - 3.05
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit		£853	£919	£929
Grille		£176	£176	£176
Hard Wired Remote Controller		£104	£104	£104
Outdoor Unit		£1,414	£1,573	£2,037
Retail Price		£2,547	£2,772	£3,246

Control Accessories
CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1

Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A

Econavi exclusive panel £220



SEER and SCOP: For KIT-100PKY2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* For wiring options refer to page 175

PACi
STANDARD

System Reference			KIT-36PU2E5D	KIT-50PU2E5D	KIT-60PU2E5D	KIT-71PU2E5D
Indoor Unit			S-36PU2E5B	S-50PU2E5B	S-60PU2E5B	S-71PU2E5B
Grille			CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PE2E5A	U-50PE2E5A	U-60PE2E5A	U-71PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.0 (2.0 - 7.1)	7.1 (2.5 - 8.0)
	UK Cooling (Total - Sensible)	kW	4.0 - 3.5	5.5 - 4.4	6.8 - 5.4	7.9 - 6.1
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8 - 8.0)	8.0 (2.0 - 9.0)
	UK Heating	kW	4.6	6.3	7.8	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.40 - 4.60	7.10 - 4.40	7.40 - 4.20	7.60 - 4.30
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A+	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		4.68 - 5.13	3.79 - 4.44	3.75 - 4.07	3.94 - 4.30
	Energy Label (Cooling / Heating)		A / A	A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	170 - 1095	246 - 1591	284 - 1999	327 - 2312
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 5.0	6.0 - 6.0	7.1 - 7.1
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)			
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	19 (5) - 39	19 (5) - 39	20 (5) - 40	20 (5) - 69
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	192 - 217 - 242	192 - 225 - 275	217 - 260 - 350	217 - 260- 360
	Moisture Removal Volume	l/h	0.7	1.6	1.7	2.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 633	633 - 683	633 - 683	1000 - 1000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	27 - 28 - 30	27 - 29 - 32	28 - 31 - 36	28 - 31 - 37
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 48	46 - 49	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	3 - 40 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.40 - 20	1.40 - 20	1.95 - 40	2.35 - 50
	GWP (Tonnes CO2 Equivalent)		2.923	2.923	4.072	4.907
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50		230-1-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	3.55 - 3.60	5.95 - 5.75	7.50 - 8.15	8.10 - 9.00
	Input Power (Cooling - Heating)	kW	0.77 - 0.78	1.32 - 1.26	1.60 - 1.72	1.80 - 1.86
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5	20 / 5	25 / 5	25 / 5
Indoor Unit			£468	£472	£579	£785
Grille			£176	£176	£176	£176
Hard Wired Remote Controller			£104	£104	£104	£104
Outdoor Unit			£943	£1,101	£1,365	£1,490
Retail Price			£1,691	£1,853	£2,224	£2,555

Control Accessories
CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220


SEER and SCOP: For KIT-100PU2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference		KIT-100PU2E5D	KIT-125PU2E5D	KIT-140PU2E5D
Indoor Unit		S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Grille		CZ-KPU3	CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller		CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit		U-100PE1E5A	U-125PE1E5A	U-140PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.03 - 12.5)	12.5 (3.3 - 14.0)
	UK Cooling (Total - Sensible)	kW	11.4 - 9.2	12.7 - 9.9
	Nominal Heating (Range)	kW	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)
	UK Heating	kW	14.0	15.9
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.60 - 4.80	6.91 - 4.10
	Energy Efficiency Class (Cool / Heat)		A++ / A++	NA
	EER - COP (Cooling - Heating)		4.27 - 5.00	3.70 - 4.60
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	461 - 2917	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
RANGE	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)	
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 98	25 (5) - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	300 - 430 - 600	317 - 450 - 617
	Moisture Removal Volume	l/h	2.7	4.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	2167 - 1833
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 38 - 45	33 - 39 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	53 - 53
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.40 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
POWER	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	10.1 - 9.7	14.7 - 13.3
	Input Power (Cooling - Heating)	kW	2.34 - 2.24	3.37 - 3.04
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5
Indoor Unit			£853	£919
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,984	£2,150
Retail Price			£3,117	£3,349

Control Accessories
CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1

Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A

Econavi exclusive panel £220



SEER and SCOP: For KIT-100PU2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* For wiring options refer to page 175

PACi
ELITE

System Reference			KIT-71PU2E8D	KIT-100PU2E8D
Indoor Unit			S-71PU2E5B	S-100PU2E5B
Grille			CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PE1E8A	U-100PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (3.2 - 8.0)	10.0 (3.3 - 12.5)
	UK Cooling (Total - Sensible)	kW	7.9 - 6.1	11.4 - 9.2
	Nominal Heating (Range)	kW	8.0 (2.8 - 9.0)	11.2 (4.1 - 14.0)
	UK Heating	kW	8.1	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.30 - 4.30	7.40 - 4.80
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A++
	EER - COP (Cooling - Heating)		3.94 - 4.30	4.27 - 5.00
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	340 - 2312	473 - 2917
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 7.1	10.0 - 10.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)	319 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	20 (5) - 71	25 (5) - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	217 - 260 - 360	300 - 430 - 600
	Moisture Removal Volume	l/h	2.5	2.7
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1000 - 1000	1833 - 1583
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	28 - 31 - 37	32 - 38 - 45
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.35 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		4.907	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	2.70 - 2.20 Per Phase	3.50 - 3.30 Per Phase
	Input Power (Cooling - Heating)	kW	1.80 - 1.86	2.34 - 2.24
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£785	£853
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,600	£3,149

Control Accessories

CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220


SEER and SCOP: For KIT-100PU2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-125PU2E8D	KIT-140PU2E8D
Indoor Unit			S-125PU2E5B	S-140PU2E5B
Grille			CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-125PE1E8A	U-140PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	12.7 - 9.9	14.1 - 10.7
	Nominal Heating (Range)	kW	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.89 - 410	6.50 - 3.90
	Energy Efficiency Class (Cool / Heat)		NA	NA
	EER - COP (Cooling - Heating)		3.70 - 4.60	3.30 - 4.30
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)	319 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 98	25 (5) - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	317 - 450 - 617	330 - 483 - 630
	Moisture Removal Volume	l/h	4.8	6.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2167 - 1833	2250 - 2000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	33 - 39 - 46	34 - 40 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 55
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.40 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	5.00 - 4.50 Per Phase	6.30 - 5.55 Per Phase
	Input Power (Cooling - Heating)	kW	3.37 - 3.04	4.24 - 3.72
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£919	£929
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£2,247	£2,778
Retail Price			£3,446	£3,987

Control Accessories
CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220


SEER and SCOP: For KIT-100PU2E5A.

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* For wiring options refer to page 175

System Reference		KIT-60PU2Z5	
Indoor Unit		S-60PU2E5B	
Grille		CZ-KPU3	
Hard Wired Remote Controller		CZ-RTC5B	
Outdoor Unit		U-60PZ2E5	
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)
	UK Cooling (Total - Sensible)	kW	6.7 - 4.6
	Nominal Heating (Range)	kW	6.0 (1.8 - 7)
	UK Heating	kW	5.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.6 - 4.7
	Energy Efficiency Class (Cool / Heat)		A++ / A++
	EER - COP (Cooling - Heating)		4.00 - 4.72
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	276 - 1787
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor (Grille) - Outdoor)	kg	20 (5) - 44
AIREFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	217 - 260 - 350
	Moisture Removal Volume	l/h	1.7
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	28 - 31 - 36
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		0.979
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	7.05 - 5.95
	Input Power (Cooling - Heating)	kW	1.50 - 1.27
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit		£579	
Grille		£176	
Hard Wired Remote Controller		£104	
Outdoor Unit		£936	
Retail Price		£1,795	

Control Accessories
CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220


SEER and SCOP: For KIT-100PU2Z5

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-71PU2Z5
Indoor Unit			S-71PU2E5B
Grille			CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-71PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.0 - 7.7)
	UK Cooling (Total - Sensible)	kW	7.5 - 5.0
	Nominal Heating (Range)	kW	7.1 (1.8 - 8.1)
	UK Heating	kW	6.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.6 - 4.7
	Energy Efficiency Class (Cool / Heat)		A++ / A++
	EER - COP (Cooling - Heating)		3.50 - 4.36
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	327 - 1787
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor (Grille) - Outdoor)	kg	20 (5) - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	217 - 260 - 360
	Moisture Removal Volume	l/h	2.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	834 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	28 - 31 - 37
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		0.979
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	9.50 - 7.70
	Input Power (Cooling - Heating)	kW	2.03 - 1.63
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£785
Grille			£176
Hard Wired Remote Controller			£104
Outdoor Unit			£995
Retail Price			£2,060



S-71PU2E5B

PACi
STANDARD

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PU2Z5	KIT-125PU2Z5	KIT-140PU2Z5
Indoor Unit			S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Grille			CZ-KPU3	CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.6	12.6 - 8.4	13.9 - 9.2
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	11	13.6	13.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.80 - 4.40	6.75 - 4.01	6.51 - 3.89
	Energy Efficiency Class (Cool / Heat)		A++ / A+	NA	NA
	EER - COP (Cooling - Heating)		3.82 - 4.93	3.58 - 4.43	3.23 - 4.18
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	515 - 3182	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	NA	NA	NA
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) - 840 (950) - 840 (950)		
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 90	25 (5) - 94	25 (5) - 94
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	300 - 430 - 600	317 - 450 - 617	330 - 483 - 630
	Moisture Removal Volume	l/h	2.7	4.8	6.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1166 - 1266	1300 - 1433	1383 - 1483
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 38 - 45	33 - 39 - 46	34 - 40 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32Charge (Factory - Additional)	kg - g/m	2.6 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.76	2.01	2.01
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	11.5 - 8.85	15.6 - 12.6	19.5 - 15.0
	Input Power (Cooling - Heating)	kW	2.62 - 2.03	3.49 - 2.82	4.34 - 3.35
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC	TBC	TBC
Indoor Unit			£853	£919	£929
Grille			£176	£176	£176
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,332	£1,494	£2,014
Retail Price			£2,465	£2,693	£3,223

Control Accessories
CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220

PACi STANDARD

SEER and SCOP: For KIT-100PU2Z5

ECONAVI and INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

System Reference			KIT-100PU2Z8	KIT-125PU2Z8	KIT-140PU2Z8
Indoor Unit			S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Grille			CZ-KPU3	CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.6	12.6 - 8.4	13.9 - 9.2
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	11.0	13.6	13.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.70 - 4.40	6.73 - 4.01	6.49 - 3.89
	Energy Efficiency Class (Cool / Heat)		A++ / A+	NA	NA
	EER - COP (Cooling - Heating)		3.82 - 4.93	3.58 - 4.43	3.23 - 4.18
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	521 - 3182	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	NA	NA	NA
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
RANGE	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) - 840 (950) - 840 (950)		
PHYSICAL	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 90	25 (5) - 94	25 (5) - 94
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	300 - 430 - 600	317 - 450 - 617	330 - 483 - 630
	Moisture Removal Volume	l/h	2.7	4.8	6.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1166 - 1266	1300 - 1433	1383 - 1483
	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 38 - 45	33 - 39 - 46	34 - 40 - 47
SOUND	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
REFRIGERANT & PIPEWORK	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.76	2.01	2.01
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**	2 core**
POWER	Running Current (Cooling - Heating)	A	3.90 - 3.00	5.20 - 4.15	6.50 - 4.95
	Input Power (Cooling - Heating)	kW	2.62 - 2.03	3.49 - 2.82	4.34 - 3.35
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC	TBC	TBC
	Indoor Unit		£853	£919	£929
Grille			£176	£176	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,547	£2,772	£3,246



S-100PU2E5B



U-100PZ2E8

PACi
STANDARD

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-36PU2ZH5	KIT-50PU2ZH5
Indoor Unit			S-36PU2E5B	S-50PU2E5B
Grille			CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PZH2E5	U-50PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)
	UK Cooling (Total - Sensible)	kW	3.7 - 2.8	5.1 - 3.6
	Nominal Heating (Range)	kW	4.0 (1.5 - 5)	5.6 (1.5 - 6.5)
	UK Heating	kW	4.4	5.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.5 - 5.1	8.2 - 4.9
	Energy Efficiency Class (Cool / Heat)		A+++ / A+++	A++ / A++
	EER - COP (Cooling - Heating)		5.22 - 5.48	4.31 - 4.71
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	148 - 988	213 - 1286
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 4.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)	
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor (Grille) - Outdoor)	kg	19 (5) - 49	19 (5) - 49
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	192 - 217 - 242	192 - 225 - 275
	Moisture Removal Volume	l/h	0.7	1.6
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 667	667 - 710
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	27 - 28 - 30	27 - 29 - 32
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	43 - 44	45 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30	3 - 40 / 15 - 30
	Pre-Charged For	m	30	30
	R32Charge (Factory - Additional)	kg - g/m	1.15 - 20	1.15 - 20
	GWP (Tonnes CO2 Equivalent)		TBC	TBC
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	3.20 - 3.40	5.25 - 5.45
	Input Power (Cooling - Heating)	kW	0.69 - 0.73	1.16 - 1.19
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£468	£472
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£943	£1,101
Retail Price			£1,691	£1,853

Control Accessories

CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220

System Reference			KIT-60PU2ZH5	KIT-71PU2ZH5
Indoor Unit			S-60PU2E5B	S-71PU2E5B
Grille			CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-60PZH2E5	U-71PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.2 - 9.0)
	UK Cooling (Total - Sensible)	kW	6.7 - 4.6	8.1 - 5.4
	Nominal Heating (Range)	kW	7.0 (1.8 - 8)	8.0 (2 - 9)
	UK Heating	kW	6.1	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		8.0 - 4.8	7.7 - 4.8
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++
	EER - COP (Cooling - Heating)		4.05 - 4.29	4.06 - 4.30
	Energy Label (Cooling / Heating)		A / A	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	262 - 1750	323 - 1517
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0	7.1 - 5.2
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)	
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	996 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	20 (5) - 44	20 (5) - 68
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	217 - 260 - 350	217 - 260 - 360
	Moisture Removal Volume	l/h	1.7	TBC
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750	1017 - 1000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	28 - 31 - 36	28 - 31 - 37
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 49	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30	5 - 50 / 15 - 30
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35	1.95 - 45
	GWP (Tonnes CO2 Equivalent)		0.979	1.316
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	6.95 - 7.70	7.90 - 8.25
	Input Power (Cooling - Heating)	kW	1.48 - 1.63	1.75 - 1.86
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£579	£785
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,365	£1,490
Retail Price			£2,224	£2,555



S-71PU2E5B

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PU2ZH5	KIT-125PU2ZH5	KIT-140PU2ZH5
Indoor Unit			S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Grille			CZ-KPU3	CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZH2E5	U-125PZH2E5	U-140PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.1 - 12.5)	12.5 (3.2 - 14.0)	14.0 (3.3 - 16)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.6	12.6 - 8.4	13.9 - 9.2
	Nominal Heating (Range)	kW	11.2 (3.1 - 14)	14.0 (3.2 - 16)	16.0 (3.3 - 18)
	UK Heating	kW	12.5	14.4	16.2
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.8 - 4.9	7.6 - 4.7	7.2 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++	-	-
	EER - COP (Cooling - Heating)		4.41 - 5.00	3.80 - 4.61	3.41 - 4.30
	Energy Label (Cooling / Heating)		TBC	TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	449 - 2286	TBC	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 8.0	12.5 - 9.5	14.0 - 10.6
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C	
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)		
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 99	25 (5) - 101	25 (5) - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	300 - 430 - 600	317 - 450 - 617	330 - 483 - 630
	Moisture Removal Volume	l/h	TBC	TBC	TBC
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	TBC	TBC	TBC
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 38 - 45	33 - 39 - 46	34 - 40 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	53 - 53	54 - 55
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 85 / 15 - 30	5 - 85 / 15 - 30	5 - 85 / 15 - 30
	Pre-Charged For	m	30	30	30
	R32Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		2.059	2.059	2.059
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	9.95 - 9.80	14.5 - 13.4	18.2 - 16.5
	Input Power (Cooling - Heating)	kW	2.27 - 2.24	3.29 - 3.04	4.11 - 3.72
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	TBC / 5A
Indoor Unit			£853	£919	£929
Grille			£176	£176	£176
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,984	£2,150	£2,510
Retail Price			£3,117	£3,349	£3,719

Control Accessories

CZ-RE2C2 Simplified remote control - £124

CZ-RWSU3 Wireless remote control - £145

CZ-CNEXU1 Nanoe™ air purifying system for Cassette 90x90 PU2

CZ-KPU3A Econavi exclusive panel £220

System Reference			KIT-71PU2ZH8	KIT-100PU2ZH8
Indoor Unit			S-71PU2E5B	S-100PU2E5B
Grille			CZ-KPU3	CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PZH2E8	U-100PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.2 - 9.0)	10.0 (3.1 - 12.5)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.4	10.7 - 7.6
	Nominal Heating (Range)	kW	8.0 (2 - 9)	11.2 (3.3 - 14)
	UK Heating	kW	8.1	12.5
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.7 - 4.8	7.7 - 4.9
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++
	EER - COP (Cooling - Heating)		4.06 - 4.30	4.41 - 5.00
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	327 - 1517	455 - 2286
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2	10.0 - 8.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	256 (33.5) x 840 (950) x 840 (950)	319 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	20 (5) - 68	25 (5) - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	217 - 260 - 360	300 - 430 - 600
	Moisture Removal Volume	l/h	2.5	2.5
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1016 - 1000	1960 - 1800
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	28 - 31 - 37	32 - 38 - 45
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30	5 - 85 / 15 - 30
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.95 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		1.316	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
POWER	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	2.65 - 2.80	3.35 - 3.30
	Input Power (Cooling - Heating)	kW	1.75 - 1.86	2.27 - 2.24
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£785	£853
Grille			£176	£176
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,600	£3,149



S-100PU2E5B

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-125PU2ZH8
Indoor Unit			S-125PU2E5B
Grille			CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-125PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.2 - 14.0)
	UK Cooling (Total - Sensible)	kW	12.6 - 8.4
	Nominal Heating (Range)	kW	14.0 (3.2 - 16)
	UK Heating	kW	14.4
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.64 - 4.73
	Energy Efficiency Class (Cool / Heat)		-
	EER - COP (Cooling - Heating)		3.80 - 4.61
	Energy Label (Cooling / Heating)		TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 9.5
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 99
AIREFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	317 - 450 - 617
	Moisture Removal Volume	l/h	4.8
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2083 - 2033
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	33 - 39 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*
	Pre-Charged For	m	30
	R32Charge (Factory - Additional)	kg - g/m	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		2.059
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	4.90 - 4.50
	Input Power (Cooling - Heating)	kW	3.29 - 3.04
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£919
Grille			£176
Hard Wired Remote Controller			£104
Outdoor Unit			£2,247
Retail Price			£3,446

Control Accessories

CZ-RE2C2	Simplified remote control - £124
CZ-RWSU3	Wireless remote control - £145

CZ-CNEXU1	Nanoe™ air purifying system for Cassette 90x90 PU2
CZ-KPU3A	Econavi exclusive panel £220

System Reference			KIT-140PU2ZH8
Indoor Unit			S-140PU2E5B
Grille			CZ-KPU3
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-140PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	14.0 (3.3 - 16.0)
	UK Cooling (Total - Sensible)	kW	13.9 - 9.2
	Nominal Heating (Range)	kW	16.0 (3.5 - 18)
	UK Heating	kW	16.2
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.22 - 4.60
	Energy Efficiency Class (Cool / Heat)		-
	EER - COP (Cooling - Heating)		3.41 - 4.30
	Energy Label (Cooling / Heating)		TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	14.0 - 10.6
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C
PHYSICAL	Indoor Unit (Grille) Dimensions H-W-D	mm	319 (33.5) x 840 (950) x 840 (950)
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340
	Weight (Indoor (Grille) - Outdoor)	kg	25 (5) - 101
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	330 - 483 - 630
	Moisture Removal Volume	l/h	6.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2150 - 1933
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	34 - 40 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 85 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	TBC
	GWP (Tonnes CO2 Equivalent)		TBC
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	6.15 - 5.55
	Input Power (Cooling - Heating)	kW	4.11 - 3.72
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£929
Grille			£176
Hard Wired Remote Controller			£104
Outdoor Unit			£2,778
Retail Price			£3,987



S-140PU2E5B

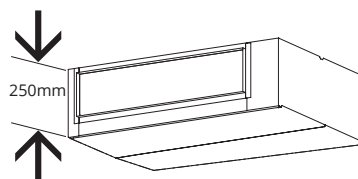
PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175



The depth of only 250mm provides greater installation flexibility and the unit can be used in more applications. Ideal for sites with narrow ceiling voids.



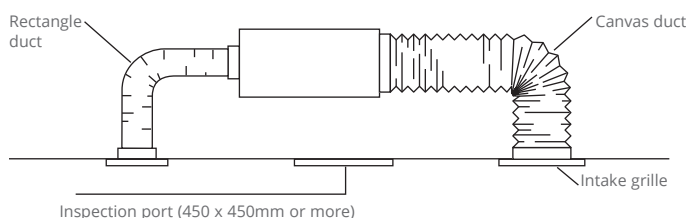
System Example

An inspection port (450mm x 450mm or more) is required at the control-box side of the indoor unit body.

Cold Draught Reduction in Heating

Accurate DX Coil temperature measurement by E1 and E2 sensor to reduce cold drafts at heating and increasing efficiency and comfort.

Before spec-in, please consult with us



Technical Focus

- Compact indoor units without losing static pressure (Only 250mm high)
- 50 Pa static pressure
- Easy maintenance and service via external electrical box
- 3 speed centrifugal fan through wired or wireless remote control
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit



Included
Controller,
Wired remote
controller
CZ-RTC5B
Compatible
with Econavi



Optional
Econavi
Sensor,
CZ-CENSC1



Optional
Controller
Wireless
remote
controller
CZ-RWSK2 +
CZ-RWSC3



Optional
Controller,
Simplified
remote
controller
CZ-RE2C2



U-60PEY2E5
U-71PEY2E5
U-36PE2E5A
U-50PE2E5A
U-60PE2E5A



U-100PEY1E5
U-125PEY1E5
U-100PEY1E8
U-125PEY1E8
U-71PE1E5A
U-71PE1E8A



U-140PEY1E8
U-100PE1E5A
U-125PE1E5A
U-140PE1E5A
U-100PE1E8A
U-125PE1E8A
U-140PE1E8A

System Reference		KIT-60PNY1E5C		KIT-71PNY1E5C	
Indoor Unit		S-60PN1E5B		S-71PN1E5B	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-60PEY2E5		U-71PEY2E5	
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.0 - 7.7)	
	UK Cooling (Total - Sensible)	kW	6.8 - 5.3	7.4 - 5.6	
	Nominal Heating (Range)	kW	6.0 (1.8 - 7.0)	7.1 (1.8 - 8.1)	
	UK Heating	kW	6.8	7.9	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		4.80 - 3.80	5.10 - 3.80	
	Energy Efficiency Class (Cool / Heat)		B / A	A / A	
	EER - COP (Cooling - Heating)		3.21 - 3.73	2.76 - 3.70	
	Energy Label (Cooling / Heating)		A / A	D / A	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	437 - 2061	487 - 2061	
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 5.6	7.1 - 5.6	
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1000 x 650	250 x 1000 x 650	
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	
	Weight (Indoor - Outdoor)	kg	32 - 40	32 - 40	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	260 - 330 - 360	260 - 330 - 360	
	Moisture Removal Volume	l/h	3.4	4.2	
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	
	Discharge Spigots		3 x 150mm	3 x 150mm	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 683	733 - 683	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	36 - 41 - 43	36 - 41 - 43	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	49 - 49	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	
	Pre-Charged For	m	30	30	
	R410A Charge (Factory - Additional)	kg - g/m	1.95 - 40	1.95 - 40	
	GWP (Tonnes CO2 Equivalent)		4.072	4.072	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	TBC	TBC	
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	
	Running Current (Cooling - Heating)	A	8.40 - 7.10	11.60 - 8.60	
	Input Power (Cooling - Heating)	kW	1.87 - 1.61	2.57 - 1.92	
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	25 / 5	
Indoor Unit			£679	£916	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£936	£995	
Retail Price			£1,719	£2,015	

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PNY1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



* For wiring options refer to page 175

System Reference			KIT-100PNY1E5C	KIT-125PNY1E5C
Indoor Unit			S-100PN1E5B	S-125PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E5	U-125PEY1E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 8.5	12.2 - 9.3
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)
	UK Heating	kW	12.9	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.30 - 3.80	4.95 - 3.52
	Energy Efficiency Class (Cool / Heat)		A / A	NA
	EER - COP (Cooling - Heating)		2.81 - 3.41	2.81 - 3.41
	Energy Label (Cooling / Heating)		C / B	C / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	660 - 2800	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 7.6	12.5 - 12.5
	Heating Capacity at -7°C / -15°C	kW	9.97	10.97
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	41 - 73	41 - 85
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	430 - 550 - 600	460 - 583 - 630
	Moisture Removal Volume	l/h	6.0	7.9
	Static Pressure Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)
	Discharge Spigots		4 x 150mm	4 x 150mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	1333 - 1217
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	37 - 42 - 44	38 - 43 - 45
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	6.682
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	15.3 - 12.5	19.3 - 15.8
	Input Power (Cooling - Heating)	kW	3.56 - 2.94	4.45 - 3.67
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5
Indoor Unit			£982	£1,178
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,332	£1,494
Retail Price			£2,418	£2,776

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75

CZ-CENSC1 Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PNY1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-100PNY1E8C	KIT-125PNY1E8C	KIT-140PNY1E8C
Indoor Unit			S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E8	U-125PEY1E8	U-140PEY1E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)	14.0 (3.3 - 15.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 8.5	12.2 - 9.3	14.1 - 10.5
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)	14.0 (4.1 - 16.0)
	UK Heating	kW	12.9	14.0	15.9
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.20 - 3.80	4.95 - 3.52	5.18 - 3.52
	Energy Efficiency Class (Cool / Heat)		A / A	NA	NA
	EER - COP (Cooling - Heating)		2.81 - 3.41	2.81 - 3.41	2.98 - 3.52
	Energy Label (Cooling / Heating)		C / B	C / B	C / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	673 - 2800	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 7.6	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	9.97	10.97	13.35
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	41 - 73	41 - 85	41 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	430 - 550 - 600	460 - 583 - 630	500 - 617 - 660
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
	Discharge Spigots		4 x 150mm	4 x 150mm	4 x 150mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1117	1333 - 1217	2250 - 2000
	SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	37 - 42 - 44	38 - 43 - 45
Outdoor Sound Pressure (Cool - Heat)		dB(A)	54 - 54	56 - 56	54 - 53
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		5.429	6.682	7.099
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	5.20 - 4.25 / Ph	6.50 - 5.30 / Ph	6.50 - 5.60 / Ph
	Input Power (Cooling - Heating)	kW	3.56 - 2.94	4.45 - 3.67	4.70 - 3.88
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£982	£1,178	£1,199
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,500	£2,855	£3,340

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PNY1E8A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



* For wiring options refer to page 175

System Reference			KIT-36PN1E5C	KIT-50PN1E5C	KIT-60PN1E5C	KIT-71PN1E5C
Indoor Unit			S-36PN1E5B	S-50PN1E5B	S-60PN1E5B	S-71PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PE2E5A	U-50PE2E5A	U-60PE2E5A	U-71PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.0 (2.0 - 7.1)	7.1 (2.5 - 8.0)
	UK Cooling (Total - Sensible)	kW	4.0 - 3.2	5.5 - 4.1	6.8 - 5.3	7.9 - 6.2
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8 - 8.0)	8.0 (2.0 - 9.0)
	UK Heating	kW	4.6	6.3	7.8	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		4.60 - 3.80	4.60 - 3.80	5.50 - 3.80	5.50 - 3.80
	Energy Efficiency Class (Cool / Heat)		B / A	B / A	A / A	A / A
	EER - COP (Cooling - Heating)		3.75 - 4.30	3.21 - 3.81	3.24 - 3.74	3.30 - 3.54
	Energy Label (Cooling / Heating)		A / A	A / A	A / A	A / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	274 - 1326	380 - 1478	382 - 2061	452 - 2458
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 3.8	6.0 - 5.6	7.1 - 6.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC	7.52
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 780 x 650	250 x 780 x 650	250 x 1000 x 650	250 x 1000 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	29 - 39	29 - 39	32 - 40	32 - 69
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	160 - 200 - 230	183 - 216 - 260	260 - 330 - 360	260 - 330 - 360
	Moisture Removal Volume	l/h	2.1	2.8	3.4	4.2
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)
	Discharge Spigots		2 x 150mm	2 x 150mm	3 x 150mm	3 x 150mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 633	633 - 683	633 - 683	1000 - 1000
	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 38 - 40	35 - 39 - 41	36 - 41 - 43	36 - 41 - 43
SOUND	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 48	46 - 49	48 - 50
	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"	5/8" - 3/8"
REFRIGERANT & PIPEWORK	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	3 - 40 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.40 - 20	1.40 - 20	1.95 - 40	2.35 - 50
	GWP (Tonnes CO2 Equivalent)		2.923	2.923	4.072	4.907
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50		230-1-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	4.15 - 4.00	6.65 - 6.30	8.30 - 8.35	9.40 - 9.90
	Input Power (Cooling - Heating)	kW	0.96 - 0.93	1.56 - 1.47	1.85 - 1.87	2.15 - 2.26
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5	20 / 5	25 / 5	25 / 5
Indoor Unit			£550	£630	£679	£916
Hard Wired Remote Controller			£104	£104	£104	£104
Outdoor Unit			£943	£1,101	£1,365	£1,490
Retail Price			£1,597	£1,875	£2,148	£2,510

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-100PN1E5C	KIT-125PN1E5C	KIT-140PN1E5C
Indoor Unit			S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PE1E5A	U-125PE1E5A	U-140PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)
	UK Cooling (Total - Sensible)	kW	11.4 - 9.2	12.7 - 9.7	14.1 - 10.5
	Nominal Heating (Range)	kW	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	14.0	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.90 - 3.90	5.44 - 3.66	5.27 - 3.58
	Energy Efficiency Class (Cool / Heat)		A+ / A	NA	NA
	EER - COP (Cooling - Heating)		3.75 - 3.80	3.21 - 3.61	3.01 - 3.41
	Energy Label (Cooling / Heating)		A / A	A / A	B / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	583 - 3590	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	12.04	13.48	14.24
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	41 - 98	41 - 98	41 - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	430 - 550 - 600	460 - 583 - 630	500 - 617 - 660
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
	Discharge Spigots		4 x 150mm	4 x 150mm	4 x 150mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	2167 - 1833	2250 - 2000
	Indoor Sound Pressure (L-M-H)	dB(A)	37 - 42 - 44	38 - 43 - 45	39 - 44 - 46
SOUND	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	53 - 53	54 - 55
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
REFRIGERANT & PIPEWORK	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.4 - 50	3.4 - 50	3.4 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	11.2 - 12.5	16.9 - 16.8	20.1 - 20.2
	Input Power (Cooling - Heating)	kW	2.67 - 2.95	3.89 - 3.88	4.65 - 4.69
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5	32 / 5
Indoor Unit			£982	£1,178	£1,199
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,984	£2,150	£2,510
Retail Price			£3,070	£3,432	£3,813

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E5A

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* For wiring options refer to page 175

System Reference			KIT-71PN1E8C	KIT-100PN1E8C
Indoor Unit			S-71PN1E5B	S-100PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PE1E8A	U-100PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.5 - 8.0)	10.0 (3.3 - 12.5)
	UK Cooling (Total - Sensible)	kW	7.9 - 6.2	11.4 - 9.2
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	11.2 (4.1 - 14.0)
	UK Heating	kW	8.1	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.10 - 3.80	5.60 - 3.80
	Energy Efficiency Class (Cool / Heat)		A / A	A+ / A
	EER - COP (Cooling - Heating)		3.30 - 3.54	3.75 - 3.80
	Energy Label (Cooling / Heating)		A / B	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	487 - 2248	621 - 3684
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 6.2	10.0 - 10.0
	Heating Capacity at -7°C / -15°C	kW	7.52	12.04
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1000 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	32 - 71	41 - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	260 - 330 - 360	430 - 550 - 600
	Moisture Removal Volume	l/h	4.2	6.0
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	40 (10 - 80)
	Discharge Spigots		3 x 150mm	4 x 150mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1000 - 1000	1833 - 1583
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	36 - 41 - 43	37 - 42 - 44
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.35 - 50	3.4 - 50
	GWP (Tonnes CO2 Equivalent)		4.907	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	3.10 - 3.20 Per Phase	3.75 - 4.15 Per Phase
	Input Power (Cooling - Heating)	kW	2.15 - 2.26	2.67 - 2.95
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£916	£982
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,555	£3,102

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E8A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-125PN1E8C	KIT-140PN1E8C
Indoor Unit			S-125PN1E5B	S-140PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-125PE1E8A	U-140PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)
	UK Cooling (Total - Sensible)	kW	12.7 - 9.7	14.1 - 10.5
	Nominal Heating (Range)	kW	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.44 - 3.66	5.27 - 3..58
	Energy Efficiency Class (Cool / Heat)		NA	NA
	EER - COP (Cooling - Heating)		3.21 - 3.61	3.01 - 3.41
	Energy Label (Cooling / Heating)		A / A	A / B
	Annual Electricity Cons. (Cool - Heat)	kWh/a	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 12.5	14.0 - 14.0
RANGE	Heating Capacity at -7°C / -15°C	kW	13.48	14.24
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650
AIRFLOW	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	41 - 98	41 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	460 - 583 - 630	500 - 617 - 660
	Moisture Removal Volume	l/h	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	50 (10 - 80)	50 (10 - 80)
	Discharge Spigots		4 x 150mm	4 x 150mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2167 - 1833	2250 - 2000
	Indoor Sound Pressure (L-M-H)	dB(A)	38 - 43 - 45	39 - 44 - 46
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 55
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.4 - 50	3.4 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	5.50 - 5.50 Per Phase	6.60 - 6.65 Per Phase
	Input Power (Cooling - Heating)	kW	3.89 - 3.88	4.65 - 4.69
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£1,178	£1,199
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£2,247	£2,778
Retail Price			£3,529	£4,081

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E5A

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* For wiring options refer to page 175

System Reference			KIT-60PN1Z5	KIT-71PN1Z5
Indoor Unit			S-60PN1E5B	S-71PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-60PZ2E5	U-71PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.0 - 7.7)
	UK Cooling (Total - Sensible)	kW	TBC	TBC
	Nominal Heating (Range)	kW	6.0 (1.8 - 7.0)	7.1 (1.8 - 8.1)
	UK Heating	kW	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.8 - 4.0	5.8 - 4.0
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A+
	EER - COP (Cooling - Heating)		3.31 - 3.90	3.11 - 3.72
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	361 - 2095	428 - 2100
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 5.6	7.1 - 5.6
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1000 x 650	250 x 1000 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	32 - 44	32 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	260 - 330 - 360	260 - 330 - 360
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)
	Discharge Spigots		3 x 200mm	3 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750	834 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 36 - 38	31 - 36 - 38
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		0.979	0.979
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	8.0 - 6.7	10.1 - 8.4
	Input Power (Cooling - Heating)	kW	1.81 - 1.54	2.28 - 1.90
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£679	£916
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£936	£995
Retail Price			£1,719	£2,015

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSC2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PNY1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
STANDARD

System Reference			KIT-100PN1Z5	KIT-125PN1Z5	KIT-140PN1Z5
Indoor Unit			S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.1	12.6 - 8.2	13.9 - 9.0
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	13	14.7	15.4
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.40 - 3.90	5.13 - 3.60	5.02 - 3.51
	Energy Efficiency Class (Cool / Heat)		A / A	-	-
	EER - COP (Cooling - Heating)		3.30 - 3.91	3.20 - 3.60	3.00 - 3.55
	Energy Label (Cooling / Heating)		TBC	TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	641 - 3589	TBC	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 7.6	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Weight (Indoor - Outdoor)	kg	41 - 90	41 - 94	41 - 94
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	433 - 550 - 600	466 - 583 - 633	500 - 517 - 667
	Moisture Removal Volume	l/h	TBC	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
	Discharge Spigots		4 x 200mm	4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1167	1433 - 1300	1483 - 1383
	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 37 - 39	33 - 38 - 40	34 - 39 - 41
SOUND	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
REFRIGERANT & PIPEWORK	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.60 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.755	2.011	2.011
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC	TBC
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
POWER	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	13.3 - 11.1	17.1 - 15.1	20.5 - 17.3
	Input Power (Cooling - Heating)	kW	3.03 - 2.56	3.90 - 3.46	4.65 - 3.94
	Suggested Fuse Size (Outdoor / Indoor)	A	32 / 5A	32 / 5A	32 / 5A
	Indoor Unit		£982	£1,178	£1,199
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£1,332	£1,494	
Retail Price			£2,418	£2,776	£3,317

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PN1Z5	KIT-125PN1Z5	KIT-140PN1Z5
Indoor Unit			S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.1	12.6 - 8.2	13.9 - 9.0
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	13	14.7	15.4
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.40 - 3.90	5.11 - 3.60	5.01 - 3.51
	Energy Efficiency Class (Cool / Heat)		A / A	-	-
	EER - COP (Cooling - Heating)		3.30 - 3.91	3.21 - 3.61	3.01 - 3.55
	Energy Label (Cooling / Heating)		TBC	TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	648 - 3589	TBC	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 7.6	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Weight (Indoor - Outdoor)	kg	41 - 90	41 - 94	41 - 94
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	433 - 550 - 600	466 - 583 - 633	500 - 517 - 667
	Moisture Removal Volume	l/h	TBC	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
	Discharge Spigots		4 x 200mm	4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1167	1433 - 1300	1483 - 1383
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 37 - 39	33 - 38 - 40	34 - 39 - 41
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.60 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.755	2.011	2.011
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core	2 core	2 core
	Running Current (Cooling - Heating)	A	4.50 - 3.70	5.70 - 5.00	6.80 - 5.70
	Input Power (Cooling - Heating)	kW	3.03 - 2.56	3.90 - 3.46	4.65 - 3.94
	Suggested Fuse Size (Outdoor / Indoor)	A	10 Per Phase / 5A	13 Per Phase / 5A	13 Per Phase / 5A
Indoor Unit			£982	£1,178	£1,199
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,500	£2,855	£3,340

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125
CZ-RE2C2 Simplified remote control - £124

System Reference			KIT-36PN1ZH5	KIT-50PN1ZH5	KIT-60PN1ZH5
Indoor Unit			S-36PN1E5B	S-50PN1E5B	S-60PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.0 (2.0 - 7.1)
	UK Cooling (Total - Sensible)	kW	3.7 - 2.7	5.1 - 3.5	6.7 - 4.5
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8 - 7.0)
	UK Heating	kW	TBC	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.1 - 4.0	5.1 - 4.0	6.0 - 4.0
	Energy Efficiency Class (Cool / Heat)		A / A+	A / A+	A+ / A+
	EER - COP (Cooling - Heating)		3.85 - 4.40	3.40 - 3.50	3.41 - 3.80
	Energy Label (Cooling / Heating)		TBC	TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	246 - 1258	342 - 1573	350 - 2095
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 3.8	6.0 - 5.6
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 780 x 650	250 x 780 x 650	250 x 1000 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	29 - 43	29 - 43	32 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	160 - 200 - 230	160 - 216 - 260	260 - 330 - 360
	Moisture Removal Volume	l/h	TBC	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)
	Discharge Spigots		2 x 200mm	2 x 200mm	3 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 667	667 - 750	667 - 750
	Indoor Sound Pressure (L-M-H)	dB(A)	30 - 33 - 35	30 - 34 - 36	31 - 36 - 38
SOUND	Outdoor Sound Pressure (Cool - Heat)	dB(A)	43 - 44	45 - 48	46 - 49
	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"
REFRIGERANT & PIPEWORK	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 20	1.15 - 20	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		0.776	0.776	0.979
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	4.00 - 3.90	6.20 - 6.85	7.85 - 8.25
	Input Power (Cooling - Heating)	kW	0.93 - 0.91	1.47 - 1.60	1.76 - 1.84
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	TBC / 5A
Indoor Unit			£550	£630	£679
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£943	£1,101	£1,365
Retail Price			£1,597	£1,835	£2,148

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E5A

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-71PN1ZH5	KIT-100PN1ZH5
Indoor Unit			S-71PN1E5B	S-100PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PZH2E5	U-100PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.0 - 9.0)	10.0 (3.1 - 12.5)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.1	11.4 - 7.5
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	11.2 (3.1 - 14.0)
	UK Heating	kW	8.1	12.5
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.0 - 4.0	6.0 - 4.0
	Energy Efficiency Class (Cool / Heat)		A + / A+	A+ / A+
	EER - COP (Cooling - Heating)		3.40 - 3.90	3.95 - 4.00
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	414 - 1914	582 - 2799
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2	10.0 - 8.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1000 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	32 - 68	41 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	260 - 330 - 360	430 - 550 - 600
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	40 (10 - 80)
	Discharge Spigots		3 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1017 - 1000	1967 - 1800
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 36 - 38	32 - 37 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.95 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		1.316	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	9.00 - 8.85	10.70 - 11.90
	Input Power (Cooling - Heating)	kW	2.09 - 2.05	2.53 - 2.80
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£916	£982
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,490	£1,984
Retail Price			£2,500	£3,070

Control Accessories

CZ-RWSC2	Wireless remote control req. CZ-RWSC3 - £93 & £75	CZ-CENSC1	Econavi Sensor - £125
CZ-RE2C2	Simplified remote control - £124		

System Reference		KIT-125PN1ZH5		KIT-140PN1ZH5	
Indoor Unit		S-125PN1E5B		S-140PN1E5B	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-125PZH2E5		U-140PZH2E5	
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.2 - 14.0)	14.0 (3.3 - 14.0)	
	UK Cooling (Total - Sensible)	kW	12.8 - 8.3	14.6 - 9.3	
	Nominal Heating (Range)	kW	14.0 (3.3 - 16.0)	16.0 (3.3 - 18.0)	
	UK Heating	kW	14.4	16.2	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.95 - 3.91	5.84 - 3.80	
	Energy Efficiency Class (Cool / Heat)		-	-	
	EER - COP (Cooling - Heating)		3.35 - 3.70	3.15 - 3.50	
	Energy Label (Cooling / Heating)		TBC	TBC	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC	TBC	
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 9.5	14.0 - 10.6	
RANGE	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650	
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	
AIRFLOW	Weight (Indoor - Outdoor)	kg	41 - 99	41 - 99	
	Indoor Unit Airflow Rate (L-M-H)	l/s	460 - 583 - 630	500 - 617 - 660	
	Moisture Removal Volume	l/h	TBC	TBC	
	Static Pressure Nominal (Min - Max)	Pa	50 (10 - 80)	50 (10 - 80)	
SOUND	Discharge Spigots		4 x 200mm	4 x 200mm	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2084 - 2034	2150 - 1934	
	Indoor Sound Pressure (L-M-H)	dB(A)	33 - 38 - 40	34 - 39 - 41	
REFRIGERANT & PIPE WORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 54	
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 85 / 15 - 30*	5 - 85 / 15 - 30*	
	Pre-Charged For	m	30	30	
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45	
	GWP (Tonnes CO2 Equivalent)		2.059	2.059	
	Suitable For Replacement Tech.		Yes	Yes	
POWER	Indoor Drain Connection	mm	TBC	TBC	
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	
	Interconnecting Cables		2 core**	2 core**	
	Running Current (Cooling - Heating)	A	16.0 - 16.20	19.30 - 19.30	
	Input Power (Cooling - Heating)	kW	3.73 - 3.78	4.45 - 4.45	
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	
	Indoor Unit		£1,178	£1,199	
	Hard Wired Remote Controller		£104	£104	
	Outdoor Unit		£2,150	£2,510	
	Retail Price		£3,432	£3,813	

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E5A

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-71PN1ZH8	KIT-100PN1ZH8
Indoor Unit			S-71PN1E5B	S-100PN1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PZH2E8	U-100PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.2 - 9.0)	10.0 (3.1 - 12.5)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.1	11.4 - 7.5
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	11.2 (3.1 - 14.0)
	UK Heating	kW	8.1	12.5
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.9 - 4.0	5.9 - 4.0
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A+
	EER - COP (Cooling - Heating)		3.40 - 3.90	3.95 - 4.00
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	4.18 - 1914	588 - 2799
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2	10.0 - 8.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1000 x 650	250 x 1200 x 650
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	32 - 68	41 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	260 - 330 - 360	430 - 550 - 600
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	25 (10 - 80)	40 (10 - 80)
	Discharge Spigots		3 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1017 - 1000	TBC
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 36 - 38	32 - 37 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.95 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		1.316	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	3.05 - 2.95	3.55 - 4.00
	Input Power (Cooling - Heating)	kW	2.09 - 2.05	2.53 - 2.80
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£916	£982
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,555	£3,102

Control Accessories

CZ-RWSK2	Wireless remote control req. CZ-RWSC3 - £93 & £75	CZ-CENSC1	Econavi Sensor - £125
CZ-RE2C2	Simplified remote control - £124		

System Reference		KIT-125PN1ZH8		KIT-140PN1ZH8	
Indoor Unit		S-125PN1E5B		S-140PN1E5B	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-125PZH2E8		U-140PZH2E8	
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.2 - 14.0)	14.0 (3.3 - 16.0)	
	UK Cooling (Total - Sensible)	kW	12.8 - 8.3	14.6 - 9.3	
	Nominal Heating (Range)	kW	14.0 (3.3 - 16.0)	16.0 (3.3 - 18.0)	
	UK Heating	kW	14.4	16.2	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.93 - 3.91	5.82 - 3.80	
	Energy Efficiency Class (Cool / Heat)		-	-	
	EER - COP (Cooling - Heating)		3.35 - 3.70	3.15 - 3.60	
	Energy Label (Cooling / Heating)		TBC	TBC	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC	TBC	
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 9.5	14.0 - 10.6	
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	250 x 1200 x 650	250 x 1200 x 650	
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	
	Weight (Indoor - Outdoor)	kg	41 - 99	41 - 99	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	460 - 583 - 630	500 - 617 - 660	
	Moisture Removal Volume	l/h	TBC	TBC	
	Static Pressure Nominal (Min - Max)	Pa	50 (10 - 80)	50 (10 - 80)	
	Discharge Spigots		4 x 200mm	4 x 200mm	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	TBC	TBC	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	33 - 38 - 40	34 - 39 - 41	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 54	
REFRIGERANT & PIPE WORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*	5 - 75 / 15 - 30*	
	Pre-Charged For	m	30	30	
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45	
	GWP (Tonnes CO2 Equivalent)		2.059	2.059	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	TBC	TBC	
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50	
	Interconnecting Cables		2 core**	2 core**	
	Running Current (Cooling - Heating)	A	5.40 - 5.45	6.70 - 6.45	
	Input Power (Cooling - Heating)	kW	3.73 - 3.78	4.45 - 4.55	
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	
Indoor Unit			£1,178	£1,199	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£2,247	£2,778	
Retail Price			£3,529	£4,081	

Control Accessories

Unit does not include Filter, Unit does not include lift pump

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PN1E5A

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175



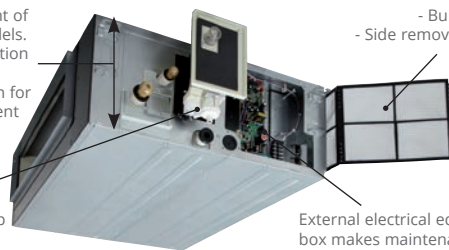
The ducted systems are the ideal solution for flexible, concealed air conditioning and the optional 200mm spigots ensure simple, hassle-free connection to spiral ductwork.

Powerfull Drain Pump

Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Standardised height of 290mm for all models. Height standardisation enables easy and uniform installation for models with different capacities.

Built-in Drain pump (DC motor pump)



- Built-in filter
- Side removable filter

External electrical equipment box makes maintenance easy. P-link PCB

Up to 150Pa Static Pressure

Type		36	45	50	60	71	100	125	140
Standard	Pa	70	70	70	70	70	100	100	100
Maximum available	Pa	150	150	150	150	150	150	150	150

Technical Focus

- Extremely quiet operation from 26dB(A)
- Auto restart after power failure
- Auto changeover
- Twin, triple and double-twin split options
- DC FAN for better efficiency and control
- Built in drain pump
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit



Included Controller. Wired remote controller CZ-RTC5B Compatible with Econavi



Optional Econavi Sensor. CZ-CENSC1



Optional Controller. Wireless remote controller CZ-RWSK2 + CZ-RWSC3



Optional Controller. Simplified remote controller CZ-RE2C2



U-60PEY2E5
U-71PEY2E5
U-36PE2E5A
U-50PE2E5A
U-60PE2E5A



U-100PEY1E5
U-125PEY1E5
U-100PEY1E8
U-125PEY1E8
U-71PE1E5A
U-71PE1E8A



U-140PEY1E8
U-100PE1E5A
U-125PE1E5A
U-140PE1E5A
U-100PE1E8A
U-125PE1E8A
U-140PE1E8A

System Reference		KIT-60PFY1E5D		KIT-71PFY1E5D	
Indoor Unit		S-60PF1E5B		S-71PF1E5B	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-60PEY2E5		U-71PEY2E5	
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.0 - 7.7)	
	UK Cooling (Total - Sensible)	kW	6.8 - 5.4	7.4 - 5.7	
	Nominal Heating (Range)	kW	6.0 (1.8 - 7.0)	7.1 (1.8 - 8.1)	
	UK Heating	kW	6.8	7.9	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.50 - 4.00	5.40 - 4.00	
	Energy Efficiency Class (Cool / Heat)		A / A+	A / A+	
	EER - COP (Cooling - Heating)		3.35 - 4.38	2.76 - 4.10	
	Energy Label (Cooling / Heating)		A / A	D / A	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	382 - 2100	460 - 2100	
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0	7.1 - 6.0	
	Heating Capacity at -7°C / -15°C	kW	— / —	— / —	
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1000 x 700	290 x 1000 x 700	
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	
	Weight (Indoor - Outdoor)	kg	33 - 40	33 - 40	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 317 - 350	250 - 317 - 350	
	Moisture Removal Volume	l/h	3.4	4.2	
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	
	Discharge Spigots		3 x 200mm	3 x 200mm	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 683	733 - 683	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 35	26 - 32 - 35	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	49 - 49	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	
	Pre-Charged For	m	30	30	
	R410A Charge (Factory - Additional)	kg - g/m	1.95 - 40	1.95 - 40	
	GWP (Tonnes CO2 Equivalent)		4.072	4.072	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	
	Running Current (Cooling - Heating)	A	8.10 - 6.05	11.70 - 7.80	
	Input Power (Cooling - Heating)	kW	1.79 - 1.37	2.57 - 1.73	
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	25 / 5	
Indoor Unit			£710	£948	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£936	£995	
Retail Price			£1,750	£2,047	

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PFY1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



* For wiring options refer to page 175

System Reference			KIT-100PFY1E5D	KIT-125PFY1E5D
Indoor Unit			S-100PF1E5B	S-125PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E5	U-125PEY1E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 8.7	12.2 - 9.2
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)
	UK Heating	kW	12.9	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.40 - 3.80	5.11 - 3.60
	Energy Efficiency Class (Cool / Heat)		A / A	NA
	EER - COP (Cooling - Heating)		3.01 - 3.80	3.05 - 3.82
	Energy Label (Cooling / Heating)		B / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	648 - 3500	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 9.5	12.5 - 12.5
	Heating Capacity at -7°C / -15°C	kW	9.97 / 8.43	10.97 / 9.03
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	45 - 73	45 - 85
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	350 - 433 - 533	383 - 483 - 567
	Moisture Removal Volume	l/h	6.0	7.9
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	1333 - 1217
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 34 - 38	32 - 35 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	6.682
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	14.50 - 11.20	18.0 - 14.0
	Input Power (Cooling - Heating)	kW	3.32 - 2.63	4.10 - 3.27
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5
Indoor Unit			£1,023	£1,189
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1332	£1,494
Retail Price			£2,459	£2,787

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PFY1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-100PFY1E8D	KIT-125PFY1E8D	KIT-140PFY1E8D
Indoor Unit			S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E8	U-125PEY1E8	U-140PEY1E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)	14.0 (3.3 - 15.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 8.7	12.2 - 9.2	14.1 - 10.3
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)	14.0 (4.1 - 16.0)
	UK Heating	kW	12.9	14.0	15.9
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.20 - 3.80	5.10 - 3.60	5.31 - 5.53
	Energy Efficiency Class (Cool / Heat)		A / A	NA	NA
	EER - COP (Cooling - Heating)		3.01 - 3.80	3.05 - 3.82	3.22 - 3.91
	Energy Label (Cooling / Heating)		B / A	B / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	673 - 3500	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 9.5	12.50 - 12.50	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	9.97 / 8.43	10.97 / 9.03	13.35 / 12.38
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	45 - 73	45 - 85	45 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	350 - 433 - 533	383 - 483 - 567	417 - 533 - 600
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1117	1333 - 1217	2250 - 2000
	SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 34 - 38	32 - 35 - 39
Outdoor Sound Pressure (Cool - Heat)		dB(A)	54 - 54	56 - 56	54 - 53
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		5.429	6.682	7.099
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	4.85 - 3.80 Per Phase	5.90 - 4.65 Per Phase	6.45 - 5.40 Per Phase
	Input Power (Cooling - Heating)	kW	3.32 - 2.63	4.10 - 3.27	4.35 - 3.58
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£1,023	£1,189	£1,209
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,541	£2,866	£3,350

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PFY1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
STANDARD

* For wiring options refer to page 175

System Reference			KIT-36PF1E5D	KIT-50PF1E5D	KIT-60PF1E5D	KIT-71PF1E5D
Indoor Unit			S-36PF1E5B	S-50PF1E5B	S-60PF1E5B	S-71PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PE2E5A	U-50PE2E5A	U-60PE2E5A	U-71PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.0 (2.0 - 7.1)	7.1 (2.5 - 8.0)
	UK Cooling (Total - Sensible)	kW	4.0 - 3.4	5.5 - 4.3	6.8 - 5.4	7.9 - 6.0
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8 - 8.0)	8.0 (2.0 - 9.0)
	UK Heating	kW	4.6	6.3	7.8	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.70 - 3.90	5.70 - 3.90	6.10 - 4.00	6.40 - 4.00
	Energy Efficiency Class (Cool / Heat)		A+ / A	A+ / A	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		4.44 - 4.55	3.85 - 4.03	3.64 - 4.00	3.84 - 3.85
	Energy Label (Cooling / Heating)		A / A	A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	221 - 1292	307 - 1436	344 - 2100	388 - 2485
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 4.0	6.0 - 6.0	7.1 - 7.1
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC	7.52 / 7.65
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 800 x 700	290 x 800 x 700	290 x 1000 x 700	290 x 1000 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	28 - 39	28 - 39	33 - 40	33 - 69
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	167 - 217 - 233	200 - 250 - 267	250 - 317 - 350	250 - 317 - 350
	Moisture Removal Volume	l/h	2.1	2.8	3.4	4.2
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)
	Discharge Spigots		2 x 200mm	2 x 200mm	3 x 200mm	3 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 633	633 - 683	633 - 683	1000 - 1000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	25 - 29 - 33	26 - 30 - 34	26 - 32 - 35	26 - 32 - 35
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 48	46 - 49	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	3 - 40 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.40 - 20	1.40 - 20	1.95 - 40	2.35 - 50
	GWP (Tonnes CO2 Equivalent)		2.923	2.923	4.072	4.907
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50		230-1-50 / 230-1-50	
POWER	Interconnecting Cables		2 core*	2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	3.50 - 3.85	5.60 - 6.05	7.40 - 7.85	8.60 - 9.50
	Input Power (Cooling - Heating)	kW	0.81 - 0.88	1.30 - 1.39	1.65 - 1.75	1.85 - 2.08
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5	20 / 5	25 / 5	25 / 5
	Indoor Unit		£577	£661	£710	£948
Hard Wired Remote Controller			£104	£104	£104	£104
Outdoor Unit			£943	£1,101	£1,365	£1,490
Retail Price			£1,624	£1,866	£2,179	£2,542

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-71PF1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-100PF1E5D	KIT-125PF1E5D	KIT-140PF1E5D
Indoor Unit			S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PE1E5A	U-125PE1E5A	U-140PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)
	UK Cooling (Total - Sensible)	kW	11.4 - 9.3	12.7 - 9.6	14.1 - 10.3
	Nominal Heating (Range)	kW	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	14.0	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.80 - 3.80	5.57 - 3.72	5.41 - 3.63
	Energy Efficiency Class (Cool / Heat)		A+ / A	NA	NA
	EER - COP (Cooling - Heating)		4.10 - 4.31	3.50 - 4.02	3.25 - 3.60
	Energy Label (Cooling / Heating)		A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	603 - 3684	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	12.04 / 11.20	13.48 / 12.38	14.24 / 12.69
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	45 - 98	45 - 98	45 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	350 - 433 - 533	383 - 483 - 567	417 - 533 - 600
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	2167 - 1833	2250 - 2000
	SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 34 - 38	32 - 35 - 39
Outdoor Sound Pressure (Cool - Heat)		dB(A)	52 - 52	53 - 53	54 - 55
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.40 - 50	3.40 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	10.6 - 11.2	15.9 - 15.8	19.3 - 19.1
	Input Power (Cooling - Heating)	kW	2.44 - 2.60	3.57 - 3.48	4.31 - 4.44
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5	32 / 5
Indoor Unit			£1,023	£1,189	£1,209
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,984	£2,150	£2,510
Retail Price			£3,111	£3,443	£3,823

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-71PF1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* For wiring options refer to page 175

System Reference			KIT-71PF1E8D	KIT-100PF1E8D
Indoor Unit			S-71PF1E5B	S-100PF1E5AB
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PE1E8A	U-100PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (3.2 - 8.0)	10.0 (3.3 - 12.5)
	UK Cooling (Total - Sensible)	kW	7.9 - 6.0	11.4 - 9.3
	Nominal Heating (Range)	kW	8.0 (2.8 - 9.0)	11.2 (4.1 - 14.0)
	UK Heating	kW	8.1	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.00 - 3.90	5.70 - 3.80
	Energy Efficiency Class (Cool / Heat)		A+ / A	A+ / A
	EER - COP (Cooling - Heating)		3.84 - 3.85	4.10 - 4.31
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	414 - 2548	614 - 3684
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 7.1	10.0 - 10.0
	Heating Capacity at -7°C / -15°C	kW	7.52 / 7.65	12.04 / 11.20
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1000 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	33 - 71	45 - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 317 - 350	350 - 433 - 533
	Moisture Removal Volume	l/h	4.2	6.0
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)	100 (10 - 150)
	Discharge Spigots		3 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1000 - 1000	1833 - 1583
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 35	31 - 34 - 38
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.35 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		4.907	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	2.65 - 3.00 Per Phase	3.53 - 3.70 Per Phase
	Input Power (Cooling - Heating)	kW	1.85 - 2.08	2.44 - 2.60
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£948	£1,023
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,587	£3,143

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-71PF1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-125PF1E8D	KIT-140PF1E8D
Indoor Unit			S-125PF1E5B	S-140PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-125PE1E8A	U-140PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)
	UK Cooling (Total - Sensible)	kW	12.7 - 9.6	14.1 - 10.3
	Nominal Heating (Range)	kW	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.55 - 3.72	5.40 - 3.63
	Energy Efficiency Class (Cool / Heat)		NA	NA
	EER - COP (Cooling - Heating)		3.50 - 4.02	3.25 - 3.60
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 12.5	14.0 - 14.0
	Heating Capacity at -7°C / -15°C	kW	13.48 / 12.38	14.24 / 12.69
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	45 - 98	45 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 483 - 567	417 - 533 - 600
	Moisture Removal Volume	l/h	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2167 - 1833	2250 - 2000
	SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 35 - 39
Outdoor Sound Pressure (Cool - Heat)		dB(A)	53 - 53	54 - 55
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.40 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	5.29 - 5.26 Per Phase	6.42 - 6.35 Per Phase
	Input Power (Cooling - Heating)	kW	3.57 - 3.48	4.31 - 4.44
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£1,189	£1,209
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£2,247	£2,778
Retail Price			£3,540	£4,091

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-71PF1ESA.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* For wiring options refer to page 175

System Reference			KIT-60PF1Z5
Indoor Unit			S-60PF1E5B
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-60PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (TBC)
	UK Cooling (Total - Sensible)	kW	6.7 - 4.6
	Nominal Heating (Range)	kW	6.0 (TBC)
	UK Heating	kW	5.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.1 - 4.2
	Energy Efficiency Class (Cool / Heat)		A ++/ A+
	EER - COP (Cooling - Heating)		3.51 - 4.55
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	344 - 2000
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1000 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	33 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 317 - 350
	Moisture Removal Volume	l/h	3.4
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)
	Discharge Spigots		3 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 35
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		TBC
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	7.70 - 5.80
	Input Power (Cooling - Heating)	kW	1.71 - 1.32
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
	Indoor Unit		£710
Hard Wired Remote Controller			£104
Outdoor Unit			£936
Retail Price			£1,750

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PFY1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-71PF1Z5
Indoor Unit			S-71PF1E5B
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-71PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (TBC)
	UK Cooling (Total - Sensible)	kW	7.50 - 4.70
	Nominal Heating (Range)	kW	7.1 (TBC)
	UK Heating	kW	6.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.4 - 5.4
	Energy Efficiency Class (Cool / Heat)		A++ / A+
	EER - COP (Cooling - Heating)		3.23 - 4.13
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	407 - 1953
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1000 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	33 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 317 - 350
	Moisture Removal Volume	l/h	4.2
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)
	Discharge Spigots		3 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	834 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 35
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		TBC
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	9.95 - 7.75
	Input Power (Cooling - Heating)	kW	2.20 - 1.72
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£948
Hard Wired Remote Controller			£104
Outdoor Unit			£995
Retail Price			£2,047

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PFY1E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
STANDARD

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PF1Z5	KIT-125PF1Z5	KIT-140PF1Z5
Indoor Unit			S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.70 - 7.30	12.60 - 8.30	13.90 - 8.90
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	11.00	13.60	13.70
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.60 - 3.80	5.56 - 3.61	5.38 - 3.54
	Energy Efficiency Class (Cool / Heat)		A+ / A	NA	NA
	EER - COP (Cooling - Heating)		3.66 - 4.31	3.52 - 4.02	3.18 - 3.79
	Energy Label (Cooling / Heating)		A / A	A / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	625 - 3684	787 - 4848	911 - 5379
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 13.6
	Heating Capacity at -7°C / -15°C	kW	NA	NA	NA
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
AIRFLOW	Weight (Indoor - Outdoor)	kg	45 - 90	45 - 94	45 - 94
	Indoor Unit Airflow Rate (L-M-H)	l/s	350 - 433 - 533	383 - 483 - 567	417 - 533 - 600
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1166 - 1266	1300 - 1433	1383 - 1483
	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 34 - 38	32 - 35 - 39	33 - 36 - 40
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.76	2.01	2.01
	Suitable For Replacement Tech.		Yes	Yes	Yes
POWER	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50		
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	11.60 - 9.70	15.50 - 13.40	19.30 - 16.00
	Input Power (Cooling - Heating)	kW	2.73 - 2.32	3.55 - 3.11	4.40 - 3.69
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC	TBC	TBC
Indoor Unit			£1,023	£1,189	£1,209
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,332	£1,494	£2,014
Retail Price			£2,459	£2,787	£3,327

Control Accessories

CZ-RWSK2	Wireless remote control req. CZ-RWSC3 - £93 & £75
CZ-RE2C2	Simplified remote control - £124
CZ-CENSC1	Econavi Sensor - £125

Other Accessories

CZ-DUMP90MF2	Air Inlet Plenum (60-71) - £215
CZ-DUMP160MF2	Air Inlet Plenum (100-140) - £237



SEER and SCOP: For KIT-71PF1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

System Reference			KIT-100PF1Z8	KIT-125PF1Z8	KIT-140PF1Z8
Indoor Unit			S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.70 - 7.30	12.60 - 8.70	13.90 - 8.90
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	11.00	13.60	13.70
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.60 - 3.80	5.54 - 3.61	5.37 - 3.54
	Energy Efficiency Class (Cool / Heat)		A+ / A	NA	NA
	EER - COP (Cooling - Heating)		3.66 - 4.31	3.52 - 4.02	3.18 - 3.79
	Energy Label (Cooling / Heating)		A / A	A / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	625 - 3684	790 - 4848	912 - 5379
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 13.6
RANGE	Heating Capacity at -7°C / -15°C	kW	NA	NA	NA
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
PHYSICAL	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
AIRFLOW	Weight (Indoor - Outdoor)	kg	45 - 90	45 - 94	45 - 94
	Indoor Unit Airflow Rate (L-M-H)	l/s	350 - 433 - 533	383 - 483 - 567	417 - 533 - 600
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)		
SOUND	Discharge Spigots		4 x 200 mm		
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1167	1433 - 1300	1483 - 1384
	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 34 - 38	32 - 35 - 39	33 - 36 - 40
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.76	2.01	2.01
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50		
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	3.95 - 3.30	5.10 - 4.45	6.40 - 5.30
	Input Power (Cooling - Heating)	kW	2.73 - 2.32	3.55 - 3.11	4.40 - 3.69
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5	TBC / 5	TBC / 5
Indoor Unit			£1,023	£1,189	£1,209
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,541	£2,866	£3,350

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75
CZ-RE2C2 Simplified remote control - £124
CZ-CENSC1 Econavi Sensor - £125

Other Accessories

CZ-DUMP90MF2 Air Inlet Plenum (60-71) - £215
CZ-DUMP160MF2 Air Inlet Plenum (100-140) - £237

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-36PF1ZH5	KIT-50PF1ZH5
Indoor Unit			S-36PF1E5B	S-50PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PZH2E5	U-50PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (TBC)	5.0 (TBC)
	UK Cooling (Total - Sensible)	kW	3.7 - 2.8	5.1 - 3.6
	Nominal Heating (Range)	kW	4.0 (TBC)	5.6 (TBC)
	UK Heating	kW	4.1	5.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.1 - 4.3	5.9 - 4.2
	Energy Efficiency Class (Cool / Heat)		A+ / A+	A+ / A+
	EER - COP (Cooling - Heating)		4.74 - 4.76	4.20 - 4.18
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	201 - 1172	297 - 1500
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 4.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 800 x 700	290 x 800 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	28 - 43	28 - 43
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	167 - 217 - 233	200 - 250 - 267
	Moisture Removal Volume	l/h	2.1	2.8
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)
	Discharge Spigots		2 x 200mm	2 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 667	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	25 - 29 - 33	26 - 30 - 34
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	43 - 44	45 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 20	1.15 - 20
	GWP (Tonnes CO2 Equivalent)		TBC	TBC
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	3.30 - 3.70	5.25 - 5.80
	Input Power (Cooling - Heating)	kW	0.76 - 0.84	1.24 - 1.34
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£577	£661
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£943	£1,101
Retail Price			£1,624	£1,866

Control Accessories

CZ-RWSK2	Wireless remote control req. CZ-RWSC3 - £93 & £75
CZ-RE2C2	Simplified remote control - £124
CZ-CENSC1	Econavi Sensor - £125

Other Accessories

CZ-DUMP90MF2	Air Inlet Plenum (60-71) - £215
CZ-DUMP160MF2	Air Inlet Plenum (100-140) - £237



SEER and SCOP: For KIT-71PF1E5A.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference		KIT-60PF1ZH5		KIT-71PF1ZH5	
Indoor Unit		S-60PF1E5B		S-71PF1E5B	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-60PZH2E5		U-71PZH2E5	
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.2 - 9.0)	
	UK Cooling (Total - Sensible)	kW	6.7- 4.6	8.1 - 5.3	
	Nominal Heating (Range)	kW	7.0 (1.80 - 8.00)	8.0 (2.0 - 9.0)	
	UK Heating	kW	6.1	8.1	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.4 - 4.3	6.5 - 4.6	
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A++	
	EER - COP (Cooling - Heating)		3.68 - 4.14	3.84 - 4.00	
	Energy Label (Cooling / Heating)		A / A	TBC	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	328 - 1953	382 - 1582	
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0	7.1 - 5.2	
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1000 x 700	290 x 1000 x 700	
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	996 x 940 x 340	
	Weight (Indoor - Outdoor)	kg	33 - 44	33 - 68	
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 317 - 350	250 - 317 - 350	
	Moisture Removal Volume	l/h	3.4	TBC	
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	
	Discharge Spigots		3 x 200mm	3 x 200mm	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750	1017 - 1000	
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 35	26 - 32 - 35	
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 49	48 - 50	
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	5 - 50 / 15 - 30*	
	Pre-Charged For	m	30	30	
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35	1.95 - 45	
	GWP (Tonnes CO2 Equivalent)		0.979	1.316	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	
	Interconnecting Cables		2 core**	2 core**	
	Running Current (Cooling - Heating)	A	7.30 - 7.60	8.35 - 8.90	
	Input Power (Cooling - Heating)	kW	1.63 - 1.69	1.81 - 2.00	
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	
Indoor Unit			£710	£948	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£1,365	£1,490	
Retail Price			£2,179	£2,542	

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-71PF1ESA.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

**PACi
ELITE**

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PF1ZH5	KIT-125PF1ZH5
Indoor Unit			S-100PF1E5B	S-125PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZH2E5	U-125PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.1 - 12.5)	12.5 (3.2 - 14.0)
	UK Cooling (Total - Sensible)	kW	11.4 - 7.8	12.8 - 8.4
	Nominal Heating (Range)	kW	11.2 (3.1 - 14.0)	14.0 (3.2 - 16.0)
	UK Heating	kW	12.5	14.4
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.20 - 4.40	5.88 - 4.26
	Energy Efficiency Class (Cool / Heat)		A++/ A+	-
	EER - COP (Cooling - Heating)		4.13 - 4.31	3.52 - 4.02
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	564 - 2545	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 8.0	12.5 - 9.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	45 - 99	45 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	350 - 433 - 533	383 - 483 - 567
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1967 - 1800	2083 - 2033
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 34 - 38	32 - 35 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	53 - 53
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		2.059	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	10.20 - 11.00	15.20 - 14.90
	Input Power (Cooling - Heating)	kW	2.42 - 2.60	3.55 - 3.48
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£1,023	£1,189
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,984	£2,150
Retail Price			£3,111	£3,443

Control Accessories

CZ-RWSK2	Wireless remote control req. CZ-RWSC3 - £93 & £75
CZ-RE2C2	Simplified remote control - £124
CZ-CENSC1	Econavi Sensor - £125

Other Accessories

CZ-DUMP90MF2	Air Inlet Plenum (60-71) - £215
CZ-DUMP160MF2	Air Inlet Plenum (100-140) - £237

System Reference			KIT-140PF1ZH5
Indoor Unit			S-140PF1E5B
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-140PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	14.0 (3.3 - 16.0)
	UK Cooling (Total - Sensible)	kW	14.6 - 9.4
	Nominal Heating (Range)	kW	16.0 (3.3 - 18.0)
	UK Heating	kW	16.2
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.73 - 4.18
	Energy Efficiency Class (Cool / Heat)		-
	EER - COP (Cooling - Heating)		3.26 - 3.65
	Energy Label (Cooling / Heating)		TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	14.0 - 10.6
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	45 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	417 - 533 - 600
	Moisture Removal Volume	l/h	TBC
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)
	Discharge Spigots		4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2150 - 1934
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	33 - 36 - 40
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	3.05
	GWP (Tonnes CO2 Equivalent)		2.059
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	18.60 - 19.00
	Input Power (Cooling - Heating)	kW	4.30 - 4.38
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£1,209
Spigot Kit			£67
Hard Wired Remote Controller			£104
Outdoor Unit			£2,510
Retail Price			£3,823

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124



* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-71PF21ZH8	KIT-100PF1ZH8
Indoor Unit			S-71PF1E5B	S-100PF1E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PZH2E8	U-100PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.2 - 9.0)	10.0 (3.1 - 12.5)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.3	11.4 - 7.8
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	11.2 (3.1 - 14.0)
	UK Heating	kW	8.1	12.5
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.4 - 4.6	6.1 - 4.4
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A+ / A
	EER - COP (Cooling - Heating)		3.84 - 4.00	4.13 - 4.31
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	388 - 1582	574 - 2545
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2	10.0 - 8.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1000 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	33 - 68	45 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	250 - 317 - 350	350 - 433 - 533
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	70 (10 - 150)	100 (10 - 150)
	Discharge Spigots		3 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1016 - 1000	1967 - 1800
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	26 - 32 - 35	31 - 34 - 38
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.95 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		1.316	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	2.70 - 2.90	3.40 - 3.70
	Input Power (Cooling - Heating)	kW	1.85 - 2.00	2.42 - 3.60
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£948	£1,023
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,587	£3,143

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75
CZ-RE2C2 Simplified remote control - £124
CZ-CENSC1 Econavi Sensor - £125

Other Accessories

CZ-DUMP90MF2
CZ-DUMP160MF2

Air Inlet Plenum (60-71) - £215
 Air Inlet Plenum (100-140) - £237

System Reference			KIT-125PF1ZH8	KIT-140PF1ZH8
Indoor Unit			S-125PF21E5B	S-140PF2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-125PZH2E8	U-140PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.2 - 14.0)	14.0 (3.3 - 16.0)
	UK Cooling (Total - Sensible)	kW	12.8 - 8.4	14.6 - 9.4
	Nominal Heating (Range)	kW	14.0 (3.2 - 16.0)	16.0 (3.3 - 18.0)
	UK Heating	kW	14.4	16.2
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.87 - 4.26	5.72 - 4.18
	Energy Efficiency Class (Cool / Heat)		-	-
	EER - COP (Cooling - Heating)		3.52 - 4.02	3.26 - 3.65
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 9.5	14.0 - 10.6
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	290 x 1400 x 700	290 x 1400 x 700
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	45 - 99	45 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 483 - 567	417 - 533 - 600
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)
	Discharge Spigots		4 x 200mm	4 x 200mm
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	TBC	TBC
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	32 - 35 - 39	33 - 36 - 40
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 55
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		2.059	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	5.10 - 5.00	6.25 - 6.40
	Input Power (Cooling - Heating)	kW	3.55 - 3.48	4.30 - 4.38
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£1,189	£1,209
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£2,247	£2,778
Retail Price			£3,540	£4,091

Control Accessories

CZ-RWSK2	Wireless remote control req. CZ-RWSC3 - £93 & £75
CZ-RE2C2	Simplified remote control - £124
CZ-CENSC1	Econavi Sensor - £125

Other Accessories

CZ-DUMP90MF2	Air Inlet Plenum (60-71) - £215
CZ-DUMP160MF2	Air Inlet Plenum (100-140) - £237



* Outdoor Lower / Higher

** For wiring options refer to page 175



The 8-10HP from Panasonic is ideally suited for large retail applications and other large areas not needing the higher capacities of VRF systems. The lightweight and compact design enables easier installation in any commercial space. The twin fan system saves valuable footprint compared to traditional 8-10HP systems which are larger and therefore require more space.

Technical Focus

- Higher efficiency
- New heat exchanger - The new heat exchanger has been designed with 8% bigger surface than conventional model. This enlarged surface provides high performance of heat exchange effect. Also, highly efficient piping pattern increases heat exchange performance by 5%.
- New and bigger fan - 27% higher air flow rate than PE1
- New Panasonic Compressor - Best inverter control providing better partial load in industry* 10%-100% Frequency Hz. Wider operation Hz range of compressor realize more high efficient operation through the year.
- New chassis
- Better partial load
- More flexible
- Bluefin anti-rust coating
- 0-10V control demand



Included
Controller,
Wired remote
controller
CZ-RTCSB
Compatible
with Econavi



Optional
Econavi
Sensor,
CZ-CENSC1



Optional
Controller
Wireless
remote
controller
CZ-RWSK2 +
CZ-RWSC3



Optional
Controller,
Simplified
remote
controller
CZ-RE2C2



U-200PE2E8A
U-250PE2E8A

System Reference		KIT-200PE2E8B4		KIT-250PE2E8B4	
Indoor Unit		S-200PE2E5		S-250PE2E5	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-200PE2E8A		U-250PE2E8A	
PERFORMANCE	Nominal Cooling (Range)	kW	19.50 (5.40 - 22.40)	25.00 (6.30 - 28.00)	
	UK Cooling (Total - Sensible)	kW	22.2 - 15.8	27.7 - 20.0	
	Nominal Heating (Range)	kW	22.40 (5.60 - 25.00)	28.00 (7.10 - 31.50)	
	UK Heating	kW	22.5	28.3	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		NA	NA	
	Energy Efficiency Class (Cool / Heat)		NA	NA	
	EER - COP (Cooling - Heating)		3.11 - 3.54	2.91 - 3.61	
	Energy Label (Cooling / Heating)		B / B	C / A	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	NA	NA	
	Pdesign (Cooling - Heating at -10°C)	kW	NA	NA	
RANGE	Heating Capacity at -7°C / -15°C	kW	20.00 / 17.00	25.20 / 21.42	
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
	Indoor Unit Dimensions (H-W-D)	mm	479 x 1453 x 1.205	479 x 1453 x 1.205	
	Outdoor Unit Dimensions (H-W-D)	mm	1.500 x 980 x 370	1.500 x 980 x 370	
AIRFLOW	Weight (Indoor - Outdoor)	kg	100 - 127	104 - 138	
	Indoor Unit Airflow Rate (L-M-H)	l/s	733 - 850 - 933	883 - 1050 - 1200	
	Moisture Removal Volume	l/h	TBC	TBC	
	Static Pressure Nominal (Min - Max)	Pa	60 - 140 - 270	72 - 140 - 270	
SOUND	Discharge Spigots		Rectangular	Rectangular	
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2733 - 2733	2667 - 2667	
	Indoor Sound Pressure (L-M-H)	dB(A)	44 - 51 - 56 (C) / 38 - 41 - 43 (H)	53 - 63 - 72 (C) / 42 - 45 - 47 (H)	
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	60 - 62	61 - 63	
	Pipe Sizes (Gas - Liquid)	in	1 1/8" - 3/8"	1 1/8" - 1/2"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 120 / 30	5 - 120 / 30	
	Pre-Charged For	m	30	30	
	R410A Charge (Factory - Additional)	kg - g/m	5.3 - 50	5.3 - 80	
	GWP (Tonnes CO2 Equivalent)		11,066	11,066	
POWER	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	VP25 (32mm OD)	VP25 (32mm OD)	
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	
	Running Current (Cooling - Heating)	A	11.25 - 11.35 Per Phase	15.7 - 14.3 Per Phase	
	Input Power (Cooling - Heating)	kW	5.97 - 6.02	8.07 - 7.14	
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	20 Per Phase / 5	
	Indoor Unit		£2,616	£2,770	
	Hard Wired Remote Controller		£104	£104	
	Outdoor Unit		£2,807	£3,208	
Retail Price			£5,527	£6,082	

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

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* For wiring options refer to page 175

System Reference			KIT-200PE3E5D	KIT-250PE3E5D
Indoor Unit			S-200PE3E5B	S-250PE3E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-200PE2E8A	U-250PE2E8A
PERFORMANCE	Nominal Cooling (Range)	kW	19.5 (5.70 - 21.0)	23.2 (6.3 - 27.0)
	UK Cooling (Total - Sensible)	kW	TBC	TBC
	Nominal Heating (Range)	kW	22.4 (5.6 - 25.0)	28.0 (7.1 - 29.0)
	UK Heating	kW	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.11 - 6.22	4.81 - 8.27
	Energy Efficiency Class (Cool / Heat)		-	-
	EER - COP (Cooling - Heating)		3.10 - 3.60	3.00 - 3.39
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	-	-
	Pdesign (Cooling - Heating at -10°C)	kW	19.5 - 17.0	23.2 - 20.0
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	486 x 1456 x 916	486 x 1456 x 916
	Outdoor Unit Dimensions (H-W-D)	mm	1500 x 980 x 370	1500 x 980 x 370
	Weight (Indoor - Outdoor)	kg	86 - 127	88 - 138
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	883 - 1050 - 1200	983 - 1200 - 1400
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	75 - 120 - 180	75 - 130 - 200
	Discharge Spigots		NA	NA
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2733 - 2733	2667 - 2667
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	41 - 44 - 46	42 - 45 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	60 - 62	61 - 63
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1 1/8" - 3/8"	1 1/8" - 1/2"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 120 / 30	5 - 120 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	5.60 - 50	6.40 - 80
	GWP (Tonnes CO2 Equivalent)		11.6928	13.3632
	Suitable For Replacement Tech.		TBC	TBC
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	TBC	TBC
	Input Power (Cooling - Heating)	kW	6.29 - 6.22	7.73 - 8.27
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC	TBC
Indoor Unit			TBC	TBC
Hard Wired Remote Controller			TBC	TBC
Outdoor Unit			TBC	TBC
Retail Price			TBC	TBC

Control Accessories

CZ-RWSK2	Wireless remote control req. CZ-RWSC3 - £93 & £75	CZ-CENSC1	Econavi Sensor - £125
CZ-RE2C2	Simplified remote control - £124		

System Reference			KIT-200PE3ZH8	KIT-250PE3ZH8
Indoor Unit			S-200PE3E5B	S-250PE3E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-200PZH2E8	U-250PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	19.5 (5.70 - 21.0)	23.2 (6.1 - 27.0)
	UK Cooling (Total - Sensible)	kW	TBC	TBC
	Nominal Heating (Range)	kW	22.4 (5.0 - 25.0)	28.0 (5.5 - 29.0)
	UK Heating	kW	TBC	TBC
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.25 - 3.61	4.84 - 3.64
	Energy Efficiency Class (Cool / Heat)		-	-
	EER - COP (Cooling - Heating)		3.22 - 3.61	3.11 3.41
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	-	-
	Pdesign (Cooling - Heating at -10°C)	kW	19.5 - 17.0	23.2 - 20.0
RANGE	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	486 x 1456 x 916	486 x 1456 x 916
	Outdoor Unit Dimensions (H-W-D)	mm	1500 x 980 x 370	1500 x 980 x 370
AIRFLOW	Weight (Indoor - Outdoor)	kg	86 - 117	88 - 128
	Indoor Unit Airflow Rate (L-M-H)	l/s	883 - 1050 - 1200	983 - 1200 - 1400
	Moisture Removal Volume	l/h	TBC	TBC
	Static Pressure Nominal (Min - Max)	Pa	75 - 120 - 180	75 - 130 - 180
SOUND	Discharge Spigots		NA	NA
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2733 - 2733	2667 - 2667
	Indoor Sound Pressure (L-M-H)	dB(A)	41 - 44 - 46	42 - 45 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	59 - 61	59 - 63
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1 1/8" - 3/8"	1 1/8" - 1/2"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 90 / 30	5 - 60 / 30
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	4.20 - 60	5.20 - 80
	GWP (Tonnes CO2 Equivalent)		2.835	3.51
	Suitable For Replacement Tech.		TBC	TBC
	Indoor Drain Connection	mm	TBC	TBC
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	TBC	TBC
	Input Power (Cooling - Heating)	kW	6.06 - 6.21	7.46 - 8.21
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC	TBC
Indoor Unit			TBC	TBC
Hard Wired Remote Controller			TBC	TBC
Outdoor Unit			TBC	TBC
Retail Price			TBC	TBC

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* For wiring options refer to page 175



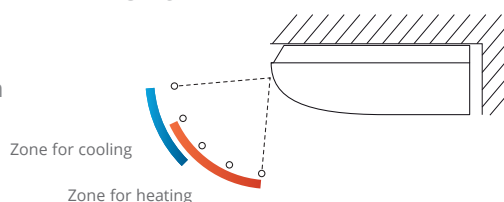
This range of ceiling mounted units feature a DC fan motor for increased efficiency and reduced operating sound levels.

All the units are the same height and depth for a uniform appearance in mixed installations. A knock out is provided to allow for supplementary fresh air for improved air quality.

Further Comfort Improvement

The wide air discharge opening expands the air flow to the left and the right. The unpleasant feeling caused when the air flow directly hits the human body is prevented by the "Draft prevention position", which changes the swing width, so that the degree of comfort is increased.

Air Distribution is Altered Depending on the Mode of the Unit



Technical Focus

- Fresh air connection possible (outside intake duct connection port of 100mm diameter is available on the unit)
- All units just 235mm high
- Twin rotary compressor dramatically reduces vibration and noise
- DC inverter control
- Large and wide air distribution
- Industry-leading low sound levels
- Twin, Triple and Quad split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit



Included Controller.
Wired remote controller CZ-RTCSB
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENS1



Optional Controller
Wireless remote controller CZ-RWST3N



Optional Controller.
Simplified remote controller CZ-RE2C2



U-60PEY2E5
U-71PEY2E5
U-36PE2E5A
U-50PE2E5A
U-60PE2E5A



U-100PEY1E5
U-125PEY1E5
U-100PEY1E8
U-125PEY1E8
U-71PE1E5A
U-71PE1E8A



U-140PEY1E8
U-100PE1E5A
U-125PE1E5A
U-140PE1E5A
U-100PE1E8A
U-100PE1E8A
U-125PE1E8A
U-140PE1E8A

System Reference			KIT-60PTY2E5D	KIT-71PTY2E5D
Indoor Unit			S-60PT2E5B	S-71PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-60PEY2E5	U-71PEY2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.0 - 7.7)
	UK Cooling (Total - Sensible)	kW	6.8 - 5.2	7.4 - 5.6
	Nominal Heating (Range)	kW	6.0 (1.8 - 7.0)	7.1 (1.8 - 8.1)
	UK Heating	kW	6.8	7.9
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.70 - 4.00	6.10 - 4.00
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		3.68 - 4.35	3.21 - 4.23
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	313 - 2100	407 - 2100
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0	7.1 - 6.0
RANGE	Heating Capacity at -7°C / -15°C	kW	— / —	— / —
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
PHYSICAL	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1275 x 690	235 x 1275 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299
AIRFLOW	Weight (Indoor - Outdoor)	kg	33 - 40	33 - 40
	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 283 - 333	258 - 300 - 350
	Moisture Removal Volume	l/h	3.4	4.2
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 683	733 - 683
	Indoor Sound Pressure (L-M-H)	dB(A)	30 - 34 - 38	31 - 35 - 39
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48	49 - 49
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.95 - 40	1.95 - 40
	GWP (Tonnes CO2 Equivalent)		4.072	4.072
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	7.60 - 6.45	10.30 - 7.85
	Input Power (Cooling - Heating)	kW	1.63 - 1.38	2.21 - 1.68
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	25 / 5
Indoor Unit			£842	£901
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£936	£995
Retail Price			£1,882	£2,000

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PTY2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



* For wiring options refer to page 175

System Reference			KIT-100PTY2E5D	KIT-125PTY2E5D
Indoor Unit			S-100PT2E5B	S-125PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E5	U-125PEY1E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)
	UK Cooling (Total - Sensible)	kW	10.6 - 7.9	12.2 - 8.9
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)
	UK Heating	kW	12.6	14.0
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.10 - 3.90	NA
	Energy Efficiency Class (Cool / Heat)		A++ / A	NA
	EER - COP (Cooling - Heating)		3.01 - 3.85	3.01 - 3.85
	Energy Label (Cooling / Heating)		B / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	574 - 3590	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	NA
RANGE	Heating Capacity at -7°C / -15°C	kW	9.97 / 8.43	10.97 / 9.03
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C
PHYSICAL	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	40 - 73	40 - 85
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 417 - 500	400 - 467 - 567
	Moisture Removal Volume	l/h	6.0	7.9
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	1333 - 1217
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 37 - 42	36 - 40 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50
	GWP (Tonnes CO2 Equivalent)		7,099	6,682
	Suitable For Replacement Tech.		Yes	Yes
POWER	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	15.0 - 11.5	18.90 - 14.60
	Input Power (Cooling - Heating)	kW	3.32 - 2.60	4.15 - 3.25
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5
Indoor Unit			£1,137	£1,333
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,332	£1,494
Retail Price			£2,573	£2,931

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSNC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PTY2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-100PTY2E8D	KIT-125PTY2E8D	KIT-140PTY2E8D
Indoor Unit			S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PEY1E8	U-125PEY1E8	U-140PEY1E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (2.7 - 11.5)	12.5 (3.8 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.6 - 7.9	12.2 - 8.9	13.6 - 9.6
	Nominal Heating (Range)	kW	10.0 (2.1 - 13.8)	12.5 (3.4 - 15.0)	14.0 (4.1 - 16.0)
	UK Heating	kW	12.6	14.0	15.9
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.00 - 3.90	NA	NA
	Energy Efficiency Class (Cool / Heat)		A+ / A	NA	NA
	EER - COP (Cooling - Heating)		3.01 - 3.85	3.01 - 3.85	2.98 - 3.88
	Energy Label (Cooling / Heating)		B / A	B / A	C / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	584 - 3590	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	NA	NA
RANGE	Heating Capacity at -7°C / -15°C	kW	9.97 / 8.43	10.97 / 9.03	13.35 / 12.38
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
PHYSICAL	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	40 - 73	40 - 85	40 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 417 - 500	400 - 467 - 567	417 - 483 - 583
	Moisture Removal Volume	l/h	6.0	7.9	9.0
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1267 - 1117	1333 - 1217	2250 - 2000
	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 37 - 42	36 - 40 - 46	37 - 41 - 47
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54	56 - 56	54 - 53
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 50 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.60 - 50	3.20 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		5,429	6,682	7,099
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	5.05 - 3.90 / Ph	6.20 - 4.80 / Ph	7.00 - 5.35 / Ph
	Input Power (Cooling - Heating)	kW	3.32 - 2.60	4.15 - 3.25	4.70 - 3.61
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£1,137	£1,333	£1,449
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,655	£3,010	£3,509

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PTY2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



* For wiring options refer to page 175

System Reference			KIT-36PT2E5D	KIT-50PT2E5D	KIT-60PT2E5D	KIT-71PT2E5D
Indoor Unit			S-36PT2E5B	S-50PT2E5B	S-60PT2E5B	S-71PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PE2E5A	U-50PE2E5A	U-60PE2E5A	U-71PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)	6.0 (2.0 - 7.1)	7.1 (2.5 - 8.0)
	UK Cooling (Total - Sensible)	kW	4.0 - 3.3	5.5 - 4.1	6.8 - 5.2	7.9 - 6.0
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)	7.0 (1.8 - 8.0)	8.0 (2.0 - 9.0)
	UK Heating	kW	4.6	6.3	7.8	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.70 - 4.30	6.50 - 4.10	6.80 - 4.10	6.20 - 4.00
	Energy Efficiency Class (Cool / Heat)		A++ / A+	A++ / A+	A++ / A+	A++ / A+
	EER - COP (Cooling - Heating)		4.80 - 5.00	3.73 - 4.18	3.73 - 4.22	3.68 - 4.15
	Energy Label (Cooling / Heating)		A / A	A / A	A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	188 - 1172	269 - 1707	309 - 2050	965 - 2485
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 5.0	6.0 - 6.0	7.1 - 7.1
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	TBC	7.52 / 7.65
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1275 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	27 - 39	27 - 39	33 - 40	33 - 69
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	175 - 200 - 233	175 - 208 - 250	242 - 283 - 333	258 - 300 - 350
	Moisture Removal Volume	l/h	2.1	2.8	3.4	4.2
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	633 - 633	633 - 683	633 - 683	1000 - 1000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	29 - 32 - 36	29 - 33 - 37	30 - 34 - 38	31 - 35 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	45 - 46	46 - 48	46 - 49	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 30	3 - 40 / 30	3 - 40 / 30	5 - 50 / 30
	Pre-Charged For	m	30	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	1.40 - 20	1.40 - 20	1.95 - 40	2.35 - 50
	GWP (Tonnes CO2 Equivalent)		2.923	2.923	4.072	4.907
	Suitable For Replacement Tech.		Yes	Yes	Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50		230-1-50 / 230-1-50	
	Interconnecting Cables		2 core*	2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	3.40 - 3.65	6.00 - 6.10	7.50 - 7.80	8.70 - 8.60
	Input Power (Cooling - Heating)	kW	0.75 - 0.80	1.34 - 1.34	1.61 - 1.66	1.93 - 1.93
	Suggested Fuse Size (Outdoor / Indoor)	A	20 / 5	20 / 5	25 / 5	25 / 5
	Indoor Unit		£698	£772	£842	£901
Hard Wired Remote Controller			£104	£104	£104	
Outdoor Unit			£943	£1,101	£1,365	£1,490
Retail Price			£1,745	£1,977	£2,311	£2,495

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS1** Econavi Sensor - £125
CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



System Reference			KIT-100PT2E5D	KIT-125PT2E5D	KIT-140PT2E5D
Indoor Unit			S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PE1E5A	U-125PE1E5A	U-140PE1E5A
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	11.4 - 8.5	12.7 - 9.3	13.6 - 9.6
	Nominal Heating (Range)	kW	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	14.0	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.70 - 4.30	NA	NA
	Energy Efficiency Class (Cool / Heat)		A++ / A+	NA	NA
	EER - COP (Cooling - Heating)		3.95 - 4.31	3.35 - 3.99	3.01 - 3.67
	Energy Label (Cooling / Heating)		A / A	A / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	523 - 3256	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	NA	NA
RANGE	Heating Capacity at -7°C / -15°C	kW	12.04 / 11.20	13.48 / 12.38	14.24 / 12.69
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	40 - 98	40 - 98	40 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 417 - 500	400 - 467 - 567	417 - 483 - 583
	Moisture Removal Volume	l/h	6.0	7.9	9.0
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1833 - 1583	2167 - 1833	2250 - 2000
	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 37 - 42	36 - 40 - 46	37 - 41 - 47
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	53 - 53	54 - 55
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.40 - 50	3.40 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		7,099	7,099	7,099
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230-1-50 / 230-1-50	230-1-50 / 230-1-50	230-1-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*	2 core*
	Running Current (Cooling - Heating)	A	11.1 - 11.4	16.4 - 15.4	20.5 - 19.2
	Input Power (Cooling - Heating)	kW	2.53 - 2.60	3.73 - 3.51	4.65 - 4.36
	Suggested Fuse Size (Outdoor / Indoor)	A	25 / 5	32 / 5	32 / 5
Indoor Unit			£1,137	£1,333	£1,449
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,984	£2,150	£2,510
Retail Price			£3,225	£3,587	£4,063

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

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* For wiring options refer to page 175

System Reference			KIT-71PT2E8D	KIT-100PT2E8D
Indoor Unit			S-71PT2E5B	S-100PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PE1E8A	U-100PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.5 - 8.0)	10.0 (3.3 - 12.5)
	UK Cooling (Total - Sensible)	kW	7.9 - 6.0	11.4 - 8.5
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	11.2 (4.1 - 14.0)
	UK Heating	kW	8.1	14.0
	SEER - SCOP (Cooling - Heating)		5.90 - 4.00	6.60 - 4.30
EFFICIENCY	Energy Efficiency Class (Cool / Heat)		A+ / A+	A++ / A+
	EER - COP (Cooling - Heating)		3.68 - 4.15	3.95 - 4.31
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	421 - 2485	531 - 3256
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 7.1	10.0 - 10.0
	Heating Capacity at -7°C / -15°C	kW	7.52 / 7.65	12.04 / 11.20
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 1275 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	33 - 71	40 - 98
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	258 - 300 - 350	383 - 417 - 500
	Moisture Removal Volume	l/h	4.2	6.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1000 - 1000	1833 - 1583
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 35 - 39	35 - 37 - 42
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	2.35 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		4.907	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	2.90 - 2.90 Per Phase	3.75 - 3.85 Per Phase
	Input Power (Cooling - Heating)	kW	1.93 - 1.93	2.53 - 2.60
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£901	£1,137
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,540	£3,257

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSNC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

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System Reference			KIT-125PT2E8D	KIT-140PT2E8D
Indoor Unit			S-125PT2E5B	S-140PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-125PE1E8A	U-140PE1E8A
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	12.7 - 9.3	13.6 - 9.6
	Nominal Heating (Range)	kW	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)
	UK Heating	kW	15.9	17.8
EFFICIENCY	SEER - SCOP (Cooling - Heating)		NA	NA
	Energy Efficiency Class (Cool / Heat)		NA	NA
	EER - COP (Cooling - Heating)		3.35 - 3.99	3.01 - 3.67
	Energy Label (Cooling / Heating)		A / A	B / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	NA	NA
	Pdesign (Cooling - Heating at -10°C)	kW	NA	NA
RANGE	Heating Capacity at -7°C / -15°C	kW	13.48 / 12.38	14.24 / 12.69
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	40 - 98	40 - 98
	Indoor Unit Airflow Rate (L-M-H)	l/s	400 - 467 - 567	417 - 483 - 583
	Moisture Removal Volume	l/h	7.9	9.0
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2167 - 1833	2250 - 2000
	Indoor Sound Pressure (L-M-H)	dB(A)	36 - 40 - 46	37 - 41 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 55
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 30	5 - 75 / 30
	Pre-Charged For	m	30	30
	R410A Charge (Factory - Additional)	kg - g/m	3.40 - 50	3.40 - 50
	GWP (Tonnes CO2 Equivalent)		7.099	7.099
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400-3-50 / 230-1-50	400-3-50 / 230-1-50
	Interconnecting Cables		2 core*	2 core*
	Running Current (Cooling - Heating)	A	5.55 - 5.20 Per Phase	6.95 - 6.50 Per Phase
	Input Power (Cooling - Heating)	kW	3.73 - 3.51	4.65 - 4.36
	Suggested Fuse Size (Outdoor / Indoor)	A	16 Per Phase / 5	16 Per Phase / 5
Indoor Unit			£1,333	£1,449
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£2,247	£2,778
Retail Price			£3,684	£4,331

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

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* For wiring options refer to page 175

System Reference			KIT-60PT2Z5
Indoor Unit			S-60PT2E5B
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-60PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.00 - 7.10)
	UK Cooling (Total - Sensible)	kW	6.7 - 4.4
	Nominal Heating (Range)	kW	6.0 (1.80 - 7.00)
	UK Heating	kW	5.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.8 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++
	EER - COP (Cooling - Heating)		4.00 - 4.80
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	309 - 1826
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0
	Heating Capacity at -7°C / -15°C	kW	TBC
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 1275 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	33 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 283 - 333
	Moisture Removal Volume	l/h	3.4
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	30 - 34 - 38
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		TBC
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	7.0 - 5.8
	Input Power (Cooling - Heating)	kW	1.50 - 1.25
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£842
Hard Wired Remote Controller			£104
Outdoor Unit			£936
Retail Price			£1,882

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS51** Econavi Sensor - £125
CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-60PTY2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

System Reference			KIT-71PT2Z5
Indoor Unit			S-71PT2E5B
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-71PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.00 - 7.70)
	UK Cooling (Total - Sensible)	kW	7.5 - 5.0
	Nominal Heating (Range)	kW	7.1 (1.80 - 8.10)
	UK Heating	kW	6.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.5 - 4.3
	Energy Efficiency Class (Cool / Heat)		A++ / A+
	EER - COP (Cooling - Heating)		3.55 - 4.41
	Energy Label (Cooling / Heating)		A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	382 - 1953
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 6.0
RANGE	Operating Range - Cooling	°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 1275 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	33 - 44
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	258 - 300 - 350
	Moisture Removal Volume	l/h	4.2
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	833 - 750
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 35 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	49 - 49
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35
	GWP (Tonnes CO2 Equivalent)		TBC
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	9.30 - 7.50
	Input Power (Cooling - Heating)	kW	2.00 - 1.61
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£901
Hard Wired Remote Controller			£104
Outdoor Unit			£995
Retail Price			£2,000

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PTY2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PT2Z5	KIT-125PT2Z5	KIT-140PT2Z5
Indoor Unit			S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.1	12.6 - 8.2	13.9 - 8.9
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	11.0	13.6	13.7
	SEER - SCOP (Cooling - Heating)		6.50 - 4.20	5.77 - 3.75	5.49 - 3.70
EFFICIENCY	Energy Efficiency Class (Cool / Heat)		A++ / A+	NA	NA
	EER - COP (Cooling - Heating)		3.64 - 4.24	3.32 - 3.89	2.98 - 3.70
	Energy Label (Cooling / Heating)		A / A	A / A	C / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	535 - 3324	1300 - 4669	1530 - 5153
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 13.6
RANGE	Heating Capacity at -7°C / -15°C	kW	NA	NA	NA
	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Weight (Indoor - Outdoor)	kg	40 - 90	40 - 94	40 - 94
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 417 - 500	400 - 467 - 567	417 - 483 - 583
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1166 - 1266	1300 - 1433	1383 - 1483
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 37 - 42	36 - 40 - 46	37 - 41 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.76	2.01	2.01
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)	VP20 (26mm ID)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	12.2 - 10.4	16.9 - 14.3	21.2 - 16.9
	Input Power (Cooling - Heating)	kW	2.75 - 2.36	3.76 - 3.21	4.70 - 3.78
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	TBC / 5A
	Indoor Unit		£1,137	£1,333	£1,449
Hard Wired Remote Controller			£104	£104	£104
Outdoor Unit			£1,332	£1,494	£2,014
Retail Price			£2,573	£2,931	£3,567

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS01** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-100PT2Z5 and KIT-100PT2Z8.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PT2Z8	KIT-125PT2Z8	KIT-140PT2Z8
Indoor Unit			S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
	UK Cooling (Total - Sensible)	kW	10.7 - 7.1	12.6 - 8.2	13.9 - 8.9
	Nominal Heating (Range)	kW	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
	UK Heating	kW	11.0	13.6	13.7
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.50 - 4.20	5.75 - 3.75	5.48 - 3.70
	Energy Efficiency Class (Cool / Heat)		A++ / A+	NA	NA
	EER - COP (Cooling - Heating)		3.64 - 4.24	3.32 - 3.89	2.98 - 3.70
	Energy Label (Cooling / Heating)		A / A	A / A	C / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	538 - 3324	1304 - 4669	1534 - 5153
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 10.0	12.5 - 12.5	14.0 - 13.6
	Heating Capacity at -7°C / -15°C	kW	NA	NA	NA
RANGE	Operating Range - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	Weight (Indoor - Outdoor)	kg	40 - 90	40 - 94	40 - 94
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 417 - 500	400 - 467 - 567	417 - 483 - 583
	Moisture Removal Volume	l/h	6.0	7.9	9.0
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1166 - 1266	1300 - 1433	1383 - 1483
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 37 - 42	36 - 40 - 46	37 - 41 - 47
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	55 - 55	56 - 56
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30	30
	R32 Charge (Factory - Additional)	kg - g/m	2.6 - 45	2.98 - 45	2.98 - 45
	GWP (Tonnes CO2 Equivalent)		1.76	2.01	2.01
	Suitable For Replacement Tech.		Yes	Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm ID)	VP20 (26mm ID)	VP20 (26mm ID)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
POWER	Interconnecting Cables		2 core**	2 core**	2 core**
	Running Current (Cooling - Heating)	A	4.15 - 3.55	5.60 - 4.75	7.05 - 5.60
	Input Power (Cooling - Heating)	kW	2.75 - 2.36	3.76 - 3.21	4.70 - 3.78
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	TBC / 5A
	Indoor Unit		£1,137	£1,333	£1,449
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£1,414	£1,573	£2,037
Retail Price			£2,655	£3,010	£3,590



S-100PT2E5B


 U-100PZ2E8
U-125PZ2E8
U-140PZ2E8


Included Controller.
Wired remote controller
CZ-RTC5B
Compatible with Econavi

System Reference			KIT-36PT2ZH5	KIT-50PT2ZH5
Indoor Unit			S-36PT2E5B	S-50PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-36PZH2E5	U-50PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)
	UK Cooling (Total - Sensible)	kW	3.7 - 2.7	5.1 - 3.5
	Nominal Heating (Range)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)
	UK Heating	kW	4.1	5.3
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.2 - 4.8	7.0 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++
	EER - COP (Cooling - Heating)		5.07 - 5.19	4.17 - 4.34
	Energy Label (Cooling / Heating)		A / A	A / A
	Annual Electricity Cons. (Cool - Heat)	kWh/a	175 - 1050	250 - 1370
	Pdesign (Cooling - Heating at -10°C)	kW	3.6 - 3.6	5.0 - 4.5
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 960 x 690	235 x 960 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	695 x 875 x 320
	Weight (Indoor - Outdoor)	kg	27 - 43	27 - 43
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	175 - 200 - 233	175 - 208 - 250
	Moisture Removal Volume	l/h	2.1	TBC
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 667	TBC
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	29 - 32 - 36	29 - 33 - 37
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	43 - 44	45 - 48
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	1/2" - 1/4"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	3 - 40 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.15 - 20	1.15 - 20
	GWP (Tonnes CO2 Equivalent)		TBC	TBC
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)	VP20 (26mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	3.25 - 3.50	5.35 - 5.85
	Input Power (Cooling - Heating)	kW	0.71 - 0.77	1.20 - 1.29
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£698	£772
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£943	£1,101
Retail Price			£1,745	£1,977

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS01** Econavi Sensor - £125
CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-50PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-60PT2ZH5	KIT-71PT2ZH5
Indoor Unit			S-60PT2E5B	S-71PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-60PZH2E5	U-71PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	6.0 (2.0 - 7.1)	7.1 (2.2 - 9.0)
	UK Cooling (Total - Sensible)	kW	6.7 - 4.4	8.1 - 5.2
	Nominal Heating (Range)	kW	7.0 (1.8 - 8.0)	8.0 (2.0 - 9.0)
	UK Heating	kW	6.1	8.1
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.2 - 4.7	6.7 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++
	EER - COP (Cooling - Heating)		4.08 - 4.43	3.78 - 4.15
	Energy Label (Cooling / Heating)		A / A	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	292 - 1787	371 - 1583
	Pdesign (Cooling - Heating at -10°C)	kW	6.0 - 6.0	7.1 - 5.2
	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
RANGE	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
PHYSICAL	Indoor Unit Dimensions (H-W-D)	mm	235 x 1275 x 690	235 x 1275 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	695 x 875 x 320	996 x 940 x 340
	Weight (Indoor - Outdoor)	kg	33 - 44	33 - 68
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	242 - 283 - 333	258 - 300 - 350
	Moisture Removal Volume	l/h	3.4	TBC
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	667 - 750	1016 - 1000
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	30 - 34 - 38	31 - 35 - 39
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	46 - 49	48 - 50
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	3 - 40 / 15 - 30*	5 - 50 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.45 - 35	1.95 - 45
	GWP (Tonnes CO2 Equivalent)		0.979	1.316
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)	VP20 (26mm OD)
	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
POWER	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	6.85 - 7.40	8.45 - 8.50
	Input Power (Cooling - Heating)	kW	1.47 - 1.58	1.88 - 1.93
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
	Indoor Unit		£842	£901
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,365	£1,490
Retail Price			£2,311	£2,495

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-100PT2ZH5	KIT-125PT2ZH5
Indoor Unit			S-100PT2E5B	S-125PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-100PZH2E5	U-125PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	10.0 (3.1 - 12.5)	12.5 (3.2 - 14.0)
	UK Cooling (Total - Sensible)	kW	11.4 - 11.4	12.8 - 8.2
	Nominal Heating (Range)	kW	11.2 (3.1 - 14.0)	14.0 (3.2 - 16.0)
	UK Heating	kW	12.5	14.4
EFFICIENCY	SEER - SCOP (Cooling - Heating)		7.0 - 4.6	6.59 - 4.36
	Energy Efficiency Class (Cool / Heat)		A++ / A++	-
	EER - COP (Cooling - Heating)		4.05 - 4.31	3.45 - 3.99
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	500 - 2435	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	10.0 - 8.0	12.5 - 9.5
RANGE	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	40 - 99	40 - 99
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	383 - 417 - 500	400 - 467 - 567
	Moisture Removal Volume	l/h	TBC	TBC
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1967 - 1800	2083 - 2034
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	35 - 37 - 42	36 - 40 - 46
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	52 - 52	53 - 53
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		2.059	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)	VP20 (26mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	10.9 - 11.5	16.0 - 15.5
	Input Power (Cooling - Heating)	kW	2.47 - 2.60	3.62 - 3.51
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£1,137	£1,333
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,984	£2,150
Retail Price			£3,225	£3,587

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS01** Econavi Sensor - £125
CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference			KIT-140PT2ZH5
Indoor Unit			S-140PT2E5B
Hard Wired Remote Controller			CZ-RTC5B
Outdoor Unit			U-140PZH2E5
PERFORMANCE	Nominal Cooling (Range)	kW	14.0 (3.3 - 16.0)
	UK Cooling (Total - Sensible)	kW	14.6 - 9.1
	Nominal Heating (Range)	kW	16.0 (3.3 - 18.0)
	UK Heating	kW	16.2
EFFICIENCY	SEER - SCOP (Cooling - Heating)		5.7 - 4.0
	Energy Efficiency Class (Cool / Heat)		-
	EER - COP (Cooling - Heating)		3.10 - 3.67
	Energy Label (Cooling / Heating)		TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC
	Pdesign (Cooling - Heating at -10°C)	kW	14.0 - 10.6
RANGE	Heating Capacity at -7°C / -15°C	kW	TBC
	Operating Range - Cooling	°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340
AIRFLOW	Weight (Indoor - Outdoor)	kg	40 - 99
	Indoor Unit Airflow Rate (L-M-H)	l/s	417 - 483 - 583
	Moisture Removal Volume	l/h	TBC
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2150 - 1934
	Indoor Sound Pressure (L-M-H)	dB(A)	37 - 41 - 47
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	54 - 54
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 85 / 15 - 30*
	Pre-Charged For	m	30
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		2.059
	Suitable For Replacement Tech.		Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	230 - 1 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**
	Running Current (Cooling - Heating)	A	20.1 - 19.4
	Input Power (Cooling - Heating)	kW	4.52 - 4.36
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A
Indoor Unit			£1,449
Hard Wired Remote Controller			£104
Outdoor Unit			£2,510
Retail Price			£4,063

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124


SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

* Outdoor Lower / Higher

** For wiring options refer to page 175

System Reference			KIT-71PT2ZH8	KIT-100PT2ZH8
Indoor Unit			S-71PT2E5B	S-100PT2E5B
Hard Wired Remote Controller			CZ-RTC5B	CZ-RTC5B
Outdoor Unit			U-71PZH2E8	U-100PZH2E8
PERFORMANCE	Nominal Cooling (Range)	kW	7.1 (2.2 - 9.0)	10.0 (3.1 - 12.5)
	UK Cooling (Total - Sensible)	kW	8.1 - 5.2	11.4 - 11.4
	Nominal Heating (Range)	kW	8.0 (2.0 - 9.0)	11.2 (3.1 - 14.0)
	UK Heating	kW	8.1	12.5
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.6 - 4.6	6.9 - 4.6
	Energy Efficiency Class (Cool / Heat)		A++ / A++	A++ / A++
	EER - COP (Cooling - Heating)		3.78 - 4.15	4.05 - 4.31
	Energy Label (Cooling / Heating)		TBC	TBC
	Annual Electricity Cons. (Cool - Heat)	kWh/a	375 - 1583	507 - 2435
	Pdesign (Cooling - Heating at -10°C)	kW	7.1 - 5.2	10.0 - 8.0
RANGE	Heating Capacity at -7°C / -15°C	kW	TBC	TBC
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1275 x 690	235 x 1590 x 690
	Outdoor Unit Dimensions (H-W-D)	mm	996 x 940 x 340	1416 x 940 x 340
	Weight (Indoor - Outdoor)	kg	33 - 68	40 - 101
AIRFLOW	Indoor Unit Airflow Rate (L-M-H)	l/s	258 - 300 - 350	383 - 417 - 500
	Moisture Removal Volume	l/h	TBC	TBC
	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	1016 - 1000	1967 - 1800
SOUND	Indoor Sound Pressure (L-M-H)	dB(A)	31 - 35 - 39	35 - 37 - 42
	Outdoor Sound Pressure (Cool - Heat)	dB(A)	48 - 50	52 - 52
REFRIGERANT & PIPEWORK	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 50 / 15 - 30*	5 - 75 / 15 - 30*
	Pre-Charged For	m	30	30
	R32 Charge (Factory - Additional)	kg - g/m	1.95 - 45	3.05 - 45
	GWP (Tonnes CO2 Equivalent)		1.316	2.059
	Suitable For Replacement Tech.		Yes	Yes
	Indoor Drain Connection	mm	VP20 (26mm OD)	VP20 (26mm OD)
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50
	Interconnecting Cables		2 core**	2 core**
	Running Current (Cooling - Heating)	A	2.85 - 2.90	3.65 - 3.85
	Input Power (Cooling - Heating)	kW	1.88 - 1.93	2.47 - 2.60
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A
Indoor Unit			£901	£1,137
Hard Wired Remote Controller			£104	£104
Outdoor Unit			£1,535	£2,016
Retail Price			£2,540	£3,257

Control Accessories

CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENS1** Econavi Sensor - £125
CZ-RE2C2 Simplified remote control - £124



SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi
ELITE

System Reference		KIT-125PT2ZH8		KIT-140PT2ZH8	
Indoor Unit		S-125PT2E5B		S-140PT2E5B	
Hard Wired Remote Controller		CZ-RTC5B		CZ-RTC5B	
Outdoor Unit		U-125PZH2E8		U-140PZH2E8	
PERFORMANCE	Nominal Cooling (Range)	kW	12.5 (3.2 - 14.0)	14.0 (3.3 - 16.0)	
	UK Cooling (Total - Sensible)	kW	12.8 - 8.6	14.6 - 9.1	
	Nominal Heating (Range)	kW	14.0 (3.2 - 16.0)	16.0 (3.7 - 18.0)	
	UK Heating	kW	14.4	16.2	
EFFICIENCY	SEER - SCOP (Cooling - Heating)		6.56 - 4.36	6.23 - 4.28	
	Energy Efficiency Class (Cool / Heat)		-	-	
	EER - COP (Cooling - Heating)		3.45 - 3.99	3.10 - 3.67	
	Energy Label (Cooling / Heating)		TBC	TBC	
	Annual Electricity Cons. (Cool - Heat)	kWh/a	TBC	TBC	
	Pdesign (Cooling - Heating at -10°C)	kW	12.5 - 9.5	14.0 - 10.6	
RANGE	Heating Capacity at -7°C / -15°C	kW	TBC	TBC	
	Operating Range - Cooling	°C	-15°C to 46°C	-15°C to 46°C	
PHYSICAL	Operating Range - Heating	°C	-20°C to 24°C	-20°C to 24°C	
	Indoor Unit Dimensions (H-W-D)	mm	235 x 1590 x 690	235 x 1590 x 690	
	Outdoor Unit Dimensions (H-W-D)	mm	1416 x 940 x 340	1416 x 940 x 340	
AIRFLOW	Weight (Indoor - Outdoor)	kg	40 - 99	40 - 101	
	Indoor Unit Airflow Rate (L-M-H)	l/s	400 - 467 - 567	417 - 483 - 583	
	Moisture Removal Volume	l/h	TBC	TBC	
SOUND	Outdoor Unit Airflow Rate (Cool - Heat)	l/s	2084 - 1867	2150 - 1934	
	Indoor Sound Pressure (L-M-H)	dB(A)	36 - 40 - 46	37 - 41 - 47	
REFRIGERANT & PIPEWORK	Outdoor Sound Pressure (Cool - Heat)	dB(A)	53 - 53	54 - 54	
	Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	
	Pipe Limits (Min-Max Run/Height Diff.)	m	5 - 75 / 15 - 30*	5 - 75 / 15 - 30*	
	Pre-Charged For	m	30	30	
	R32 Charge (Factory - Additional)	kg - g/m	3.05 - 45	3.05 - 45	
	GWP (Tonnes CO2 Equivalent)		2.059	2.059	
	Suitable For Replacement Tech.		Yes	Yes	
	Indoor Drain Connection	mm	VP20 (26mm OD)	VP20 (26mm OD)	
POWER	Power Supply (Outdoor / Indoor)	V-Ph-Hz	400 - 3 - 50 / 230 - 1 - 50	400 - 3 - 50 / 230 - 1 - 50	
	Interconnecting Cables		2 core**	2 core**	
	Running Current (Cooling - Heating)	A	5.40 - 5.20	6.75 - 6.50	
	Input Power (Cooling - Heating)	kW	3.62 - 3.51	4.52 - 4.36	
	Suggested Fuse Size (Outdoor / Indoor)	A	TBC / 5A	TBC / 5A	
Indoor Unit			£1,333	£1,449	
Hard Wired Remote Controller			£104	£104	
Outdoor Unit			£2,247	£2,778	
Retail Price			£3,684	£4,331	

Control Accessories
CZ-RWSK2 Wireless remote control req. CZ-RWSC3 - £93 & £75 **CZ-CENSC1** Econavi Sensor - £125

CZ-RE2C2 Simplified remote control - £124

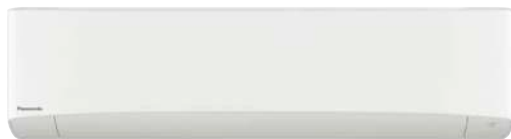

SEER and SCOP: For KIT-60PT2E5B.

INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

**PACi
ELITE**

* Outdoor Lower / Higher

** For wiring options refer to page 175



Wall Mounted Twin Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
7.1kW	R32	Standard	1Ph	2 x S-36PK2E5B	U-71PZ2E5	£2,385
7.1kW	R410A	Elite	1Ph	2 x S-36PK2E5B	U-71PE1E5A	£2,880
7.1kW	R410A	Elite	3Ph	2 x S-36PK2E5B	U-71PE1E8A	£2,925
7.1kW	R32	Elite	1Ph	2 x S-36PK2E5B	U-71PZH2E5	£2,880
7.1kW	R32	Elite	3Ph	2 x S-36PK2E5B	U-71PZH2E8	£2,925
10.0kW	R410A	Standard	1Ph	2 x S-50PK2E5B	U-100PEY1E5	£2,786
10.0kW	R410A	Standard	3Ph	2 x S-50PK2E5B	U-100PEY1E8	£2,868
10.0kW	R32	Standard	1Ph	2 x S-50PK2E5B	U-100PZ2E5	£2,786
10.0kW	R32	Standard	3Ph	2 x S-50PK2E5B	U-100PZ2E8	£2,868
10.0kW	R410A	Elite	1Ph	2 x S-50PK2E5B	U-100PE1E5A	£3,438
10.0kW	R410A	Elite	3Ph	2 x S-50PK2E5B	U-100PE1E8A	£3,470
10.0kW	R32	Elite	1Ph	2 x S-50PK2E5B	U-100PZH2E5	£3,438
10.0kW	R32	Elite	3Ph	2 x S-50PK2E5B	U-100PZH2E8	£3,470
12.5kW	R410A	Standard	1Ph	2 x S-60PK2E5B	U-125PEY1E5	£2,988
12.5kW	R410A	Standard	3Ph	2 x S-60PK2E5B	U-125PEY1E8	£3,067
12.5kW	R32	Standard	1Ph	2 x S-60PK2E5B	U-125PZ2E5	£2,988
12.5kW	R32	Standard	3Ph	2 x S-60PK2E5B	U-125PZ2E8	£3,067
12.5kW	R410A	Elite	1Ph	2 x S-60PK2E5B	U-125PE1E5A	£3,644
12.5kW	R410A	Elite	3Ph	2 x S-60PK2E5B	U-125PE1E8A	£3,741
12.5kW	R32	Elite	1Ph	2 x S-60PK2E5B	U-125PZH2E5	£3,644
12.5kW	R32	Elite	3Ph	2 x S-60PK2E5B	U-125PZH2E8	£3,741
14.0kW	R410A	Standard	3Ph	2 x S-71PK2E5B	U-140PEY1E8	£3,811
14.0kW	R32	Standard	1Ph	2 x S-71PK2E5B	U-140PZ2E5	£3,788
14.0kW	R32	Standard	3Ph	2 x S-71PK2E5B	U-140PZ2E8	£3,811
14.0kW	R410A	Elite	1Ph	2 x S-71PK2E5B	U-140PE1E5A	£4,284
14.0kW	R410A	Elite	3Ph	2 x S-71PK2E5B	U-140PE1E8A	£4,552
14.0kW	R32	Elite	1Ph	2 x S-71PK2E5B	U-140PZH2E5	£4,284
14.0kW	R32	Elite	3Ph	2 x S-71PK2E5B	U-140PZH2E8	£4,552
20.0kW	R410A	Elite	3Ph	2 x S-100PK2E5B	U-200PE2E8A	£4,691

Wall Mounted Triple Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
10.0kW	R410A	Elite	1Ph	3 x S-36PK2E5B	U-100PE1E5A	£4,092
10.0kW	R410A	Elite	3Ph	3 x S-36PK2E5B	U-100PE1E8A	£4,124
10.0kW	R32	Elite	1Ph	3 x S-36PK2E5B	U-100PZH2E5	£4,092
10.0kW	R32	Elite	3Ph	3 x S-36PK2E5B	U-100PZH2E8	£4,124
12.5kW	R410A	Elite	1Ph	3 x S-45PK2E5B	U-125PE1E5A	£4,339
12.5kW	R410A	Elite	3Ph	3 x S-45PK2E5B	U-125PE1E8A	£4,436
12.5kW	R32	Elite	1Ph	3 x S-45PK2E5B	U-125PZH2E5	£4,339
12.5kW	R32	Elite	3Ph	3 x S-45PK2E5B	U-125PZH2E8	£4,436
14.0kW	R410A	Elite	1Ph	3 x S-50PK2E5B	U-140PE1E5A	£4,714
14.0kW	R410A	Elite	3Ph	3 x S-50PK2E5B	U-140PE1E8A	£4,982
14.0kW	R32	Elite	1Ph	3 x S-50PK2E5B	U-140PZH2E5	£4,714
14.0kW	R32	Elite	3Ph	3 x S-50PK2E5B	U-140PZH2E8	£4,982
20.0kW	R410A	Elite	3Ph	3 x S-71PK2E5B	U-200PE2E8A	£5,491

Wall Mounted Quad Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
12.5kW	R410A	Elite	1Ph	4 x S-36PK2E5B	U-125PE1E5A	£4,896
12.5kW	R410A	Elite	3Ph	4 x S-36PK2E5B	U-125PE1E8A	£4,993
12.5kW	R32	Elite	1Ph	4 x S-36PK2E5B	U-125PZH2E5	£4,896
12.5kW	R32	Elite	3Ph	4 x S-36PK2E5B	U-125PZH2E8	£4,993
20.0kW	R410A	Elite	3Ph	4 x S-50PK2E5B	U-200PE2E8A	£5,701
25.0kW	R410A	Elite	3Ph	4 x S-60PK2E5B	U-250PE2E8A	£6,182



Compact Cassette Twin Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
7.1kW	R32	Standard	1Ph	2 x S-36PY2E5B	U-71PZ2E5	£2,729
7.1kW	R410A	Elite	1Ph	2 x S-36PY2E5B	U-71PE1E5A	£3,224
7.1kW	R410A	Elite	3Ph	2 x S-36PY2E5B	U-71PE1E8A	£3,269
7.1kW	R32	Elite	1Ph	2 x S-36PY2E5B	U-71PZH2E5	£3,224
7.1kW	R32	Elite	3Ph	2 x S-36PY2E5B	U-71PZH2E8	£3,269
10.0kW	R410A	Standard	1Ph	2 x S-50PY2E5B	U-100PEY1E5	£3,190
10.0kW	R410A	Standard	3Ph	2 x S-50PY2E5B	U-100PEY1E8	£3,272
10.0kW	R32	Standard	1Ph	2 x S-50PY2E5B	U-100PZ2E5	£3,190
10.0kW	R32	Standard	3Ph	2 x S-50PY2E5B	U-100PZ2E8	£3,272
10.0kW	R410A	Elite	1Ph	2 x S-50PY2E5B	U-100PE1E5A	£3,842
10.0kW	R410A	Elite	3Ph	2 x S-50PY2E5B	U-100PE1E8A	£3,874
10.0kW	R32	Elite	1Ph	2 x S-50PY2E5B	U-100PZH2E5	£3,842
10.0kW	R32	Elite	3Ph	2 x S-50PY2E5B	U-100PZH2E8	£3,874

Compact Cassette Triple Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
10.0kW	R410A	Elite	1Ph	3 x S-36PY2E5B	U-100PE1E5A	£4,608
10.0kW	R410A	Elite	3Ph	3 x S-36PY2E5B	U-100PE1E8A	£4,640
10.0kW	R32	Elite	1Ph	3 x S-36PY2E5B	U-100PZH2E5	£4,608
10.0kW	R32	Elite	3Ph	3 x S-36PY2E5B	U-100PZH2E8	£4,640
12.5kW	R410A	Elite	1Ph	3 x S-45PY2E5B	U-125PE1E5A	£4,864
12.5kW	R410A	Elite	3Ph	3 x S-45PY2E5B	U-125PE1E8A	£4,961
12.5kW	R32	Elite	1Ph	3 x S-45PY2E5B	U-125PZH2E5	£4,864
12.5kW	R32	Elite	3Ph	3 x S-45PY2E5B	U-125PZH2E8	£4,961
14.0kW	R410A	Elite	1Ph	3 x S-50PY2E5B	U-140PE1E5A	£5,320
14.0kW	R410A	Elite	3Ph	3 x S-50PY2E5B	U-140PE1E8A	£5,588
14.0kW	R32	Elite	1Ph	3 x S-50PY2E5B	U-140PZH2E5	£5,320
14.0kW	R32	Elite	3Ph	3 x S-50PY2E5B	U-140PZH2E8	£5,588

Compact Cassette Quad Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
12.5kW	R410A	Elite	1Ph	4 x S-36PY2E5B	U-125PE1E5A	£5,584
12.5kW	R410A	Elite	3Ph	4 x S-36PY2E5B	U-125PE1E8A	£5,681
12.5kW	R32	Elite	1Ph	4 x S-36PY2E5B	U-125PZH2E5	£5,584
12.5kW	R32	Elite	3Ph	4 x S-36PY2E5B	U-125PZH2E8	£5,681
20.0kW	R410A	Elite	3Ph	4 x S-50PY2E5B	U-200PE2E8A	£6,509



4 Way Cassette Twin Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
7.1kW	R32	Standard	1Ph	2 x S-36PU2E5B	U-71PZ2E5	£2,457
7.1kW	R410A	Elite	1Ph	2 x S-36PU2E5B	U-71PE1E5A	£2,952
7.1kW	R410A	Elite	3Ph	2 x S-36PU2E5B	U-71PE1E8A	£2,997
7.1kW	R32	Elite	1Ph	2 x S-36PU2E5B	U-71PZH2E5	£2,952
7.1kW	R32	Elite	3Ph	2 x S-36PU2E5B	U-71PZH2E8	£2,997
10.0kW	R410A	Standard	1Ph	2 x S-50PU2E5B	U-100PEY1E5	£2,802
10.0kW	R410A	Standard	3Ph	2 x S-50PU2E5B	U-100PEY1E8	£2,884
10.0kW	R32	Standard	1Ph	2 x S-50PU2E5B	U-100PZ2E5	£2,802
10.0kW	R410A	Elite	1Ph	2 x S-50PU2E5B	U-100PE1E5A	£3,454
10.0kW	R410A	Elite	3Ph	2 x S-50PU2E5B	U-100PE1E8A	£3,486
10.0kW	R32	Elite	1Ph	2 x S-50PU2E5B	U-100PZH2E5	£3,454
10.0kW	R32	Elite	3Ph	2 x S-50PU2E5B	U-100PZH2E5	£3,454
12.5kW	R410A	Standard	1Ph	2 x S-60PU2E5B	U-125PEY1E5	£3,178
12.5kW	R410A	Standard	3Ph	2 x S-60PU2E5B	U-125PEY1E8	£3,257
12.5kW	R32	Standard	1Ph	2 x S-60PU2E5B	U-125PZ2E5	£3,178
12.5kW	R32	Standard	3Ph	2 x S-60PU2E5B	U-125PZ2E8	£3,257
12.5kW	R410A	Elite	1Ph	2 x S-60PU2E5B	U-125PE1E5A	£3,834
12.5kW	R410A	Elite	3Ph	2 x S-60PU2E5B	U-125PE1E8A	£3,931
12.5kW	R32	Elite	1Ph	2 x S-60PU2E5B	U-125PZH2E5	£3,834
12.5kW	R32	Elite	3Ph	2 x S-60PU2E5B	U-125PZH2E8	£3,931
14.0kW	R410A	Standard	3Ph	2 x S-71PU2E5B	U-140PEY1E8	£4,133
14.0kW	R32	Standard	1Ph	2 x S-71PU2E5B	U-140PZ2E5	£4,110
14.0kW	R32	Standard	3Ph	2 x S-71PU2E5B	U-140PZ2E8	£4,133
14.0kW	R410A	Elite	1Ph	2 x S-71PU2E5B	U-140PE1E5A	£4,606
14.0kW	R410A	Elite	3Ph	2 x S-71PU2E5B	U-140PE1E8A	£4,874
14.0kW	R32	Elite	1Ph	2 x S-71PU2E5B	U-140PZH2E5	£4,606
14.0kW	R32	Elite	3Ph	2 x S-71PU2E5B	U-140PZH2E8	£4,874
20.0kW	R410A	Elite	3Ph	2 x S-100PU2E5B	U-200PE2E8A	£5,059
25.0kW	R410A	Elite	3Ph	2 x S-125PU2E5B	U-250PE2E8A	£5,592

4 Way Cassette Triple Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
10.0kW	R410A	Elite	1Ph	3 x S-36PU2E5B	U-100PE1E5A	£4,200
10.0kW	R410A	Elite	3Ph	3 x S-36PU2E5B	U-100PE1E8A	£4,232
10.0kW	R32	Elite	1Ph	3 x S-36PU2E5B	U-100PZH2E5	£4,200
10.0kW	R32	Elite	3Ph	3 x S-36PU2E5B	U-100PZH2E8	£4,232
12.5kW	R410A	Elite	1Ph	3 x S-45PU2E5B	U-125PE1E5A	£4,372
12.5kW	R410A	Elite	3Ph	3 x S-45PU2E5B	U-125PE1E8A	£4,469
12.5kW	R32	Elite	1Ph	3 x S-45PU2E5B	U-125PZH2E5	£4,372
12.5kW	R32	Elite	3Ph	3 x S-45PU2E5B	U-125PZH2E8	£4,469
14.0kW	R410A	Elite	1Ph	3 x S-50PU2E5B	U-140PE1E5A	£4,738
14.0kW	R410A	Elite	3Ph	3 x S-50PU2E5B	U-140PE1E8A	£5,006
14.0kW	R32	Elite	1Ph	3 x S-50PU2E5B	U-140PZH2E5	£4,738
14.0kW	R32	Elite	3Ph	3 x S-50PU2E5B	U-140PZH2E8	£5,006
20.0kW	R410A	Elite	3Ph	3 x S-71PU2E5B	U-200PE2E8A	£5,974

4 Way Cassette Quad Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
12.5kW	R410A	Elite	1Ph	4 x S-36PU2E5B	U-125PE1E5A	£5,040
12.5kW	R410A	Elite	3Ph	4 x S-36PU2E5B	U-125PE1E8A	£5,137
12.5kW	R32	Elite	1Ph	4 x S-36PU2E5B	U-125PZH2E5	£5,040
12.5kW	R32	Elite	3Ph	4 x S-36PU2E5B	U-125PZH2E8	£5,137
20.0kW	R410A	Elite	3Ph	4 x S-50PU2E5B	U-200PE2E8A	£5,733
25.0kW	R410A	Elite	3Ph	4 x S-60PU2E5B	U-250PE2E8A	£6,562

Low Static Ducted Twin Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
7.1kW	R32	Standard	1Ph	2 x S-36PN1E5B	U-71PZ2E5	£2,269
7.1kW	R410A	Elite	1Ph	2 x S-36PN1E5B	U-71PE1E5A	£2,764
7.1kW	R410A	Elite	3Ph	2 x S-36PN1E5B	U-71PE1E8A	£2,809
7.1kW	R32	Elite	1Ph	2 x S-36PN1E5B	U-71PZH2E5	£2,764
7.1kW	R32	Elite	3Ph	2 x S-36PN1E5B	U-71PZH2E8	£2,809
10.0kW	R410A	Standard	1Ph	2 x S-50PN1E5B	U-100PEY1E5	£2,766
10.0kW	R410A	Standard	3Ph	2 x S-50PN1E5B	U-100PEY1E8	£2,848
10.0kW	R410A	Elite	1Ph	2 x S-50PN1E5B	U-100PE1E5A	£3,418
10.0kW	R410A	Elite	3Ph	2 x S-50PN1E5B	U-100PE1E8A	£3,450
12.5kW	R410A	Standard	1Ph	2 x S-60PN1E5B	U-125PEY1E5	£3,026
12.5kW	R410A	Standard	3Ph	2 x S-60PN1E5B	U-125PEY1E8	£3,105
12.5kW	R410A	Elite	1Ph	2 x S-60PN1E5B	U-125PE1E5A	£3,682
12.5kW	R410A	Elite	3Ph	2 x S-60PN1E5B	U-125PE1E8A	£3,779
14.0kW	R410A	Standard	3Ph	2 x S-71PN1E5B	U-140PEY1E8	£4,043
14.0kW	R410A	Elite	1Ph	2 x S-71PN1E5B	U-140PE1E5A	£4,516
14.0kW	R410A	Elite	3Ph	2 x S-71PN1E5B	U-140PE1E8A	£4,784
20.0kW	R410A	Elite	3Ph	2 x S-100PN1E5B	U-200PE2E8A	£4,965
25.0kW	R410A	Elite	3Ph	2 x S-125PN1E5B	U-250PE2E8A	£5,758

Low Static Ducted Triple Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
10.0kW	R410A	Elite	1Ph	3 x S-36PN1E5B	U-100PE1E5A	£3,918
10.0kW	R410A	Elite	3Ph	3 x S-36PN1E5B	U-100PE1E8A	£3,950
10.0kW	R32	Elite	1Ph	3 x S-36PN1E5B	U-100PZH2E5	£3,918
10.0kW	R32	Elite	3Ph	3 x S-36PN1E5B	U-100PZH2E8	£3,950
12.5kW	R410A	Elite	1Ph	3 x S-45PN1E5B	U-125PE1E5A	£4,183
12.5kW	R410A	Elite	3Ph	3 x S-45PN1E5B	U-125PE1E8A	£4,280
12.5kW	R32	Elite	1Ph	3 x S-45PN1E5B	U-125PZH2E5	£4,183
12.5kW	R32	Elite	3Ph	3 x S-45PN1E5B	U-125PZH2E8	£4,280
14.0kW	R410A	Elite	1Ph	3 x S-50PN1E5B	U-140PE1E5A	£4,684
14.0kW	R410A	Elite	3Ph	3 x S-50PN1E5B	U-140PE1E8A	£4,952
14.0kW	R32	Elite	1Ph	3 x S-50PN1E5B	U-140PZH2E5	£4,684
14.0kW	R32	Elite	3Ph	3 x S-50PN1E5B	U-140PZH2E8	£4,952
20.0kW	R410A	Elite	3Ph	3 x S-71PN1E5B	U-200PE2E8A	£5,839

Low Static Ducted Quad Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
12.5kW	R410A	Elite	1Ph	4 x S-36PN1E5B	U-125PE1E5A	£4,664
12.5kW	R410A	Elite	3Ph	4 x S-36PN1E5B	U-125PE1E8A	£4,761
12.5kW	R32	Elite	1Ph	4 x S-36PN1E5B	U-125PZH2E5	£4,664
12.5kW	R32	Elite	3Ph	4 x S-36PN1E5B	U-125PZH2E8	£4,761
20.0kW	R410A	Elite	3Ph	4 x S-50PN1E5B	U-200PE2E8A	£5,661
25.0kW	R410A	Elite	3Ph	4 x S-60PN1E5B	U-250PE2E8A	£6,258



High Static Ducted Twin Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
7.1kW	R32	Standard	1Ph	2 x S-36PF1E5B	U-71PZ2E5	£2,323
7.1kW	R410A	Elite	1Ph	2 x S-36PF1E5B	U-71PE1E5A	£2,818
7.1kW	R410A	Elite	3Ph	2 x S-36PF1E5B	U-71PE1E8A	£2,863
7.1kW	R32	Elite	1Ph	2 x S-36PF1E5B	U-71PZH2E5	£2,818
7.1kW	R32	Elite	3Ph	2 x S-36PF1E5B	U-71PZH2E8	£2,863
10.0kW	R410A	Standard	1Ph	2 x S-50PF1E5B	U-100PEY1E5	£2,828
10.0kW	R410A	Standard	3Ph	2 x S-50PF1E5B	U-100PEY1E8	£2,910
10.0kW	R32	Standard	1Ph	2 x S-50PF1E5B	U-100PZ2E5	£2,828
10.0kW	R32	Standard	3Ph	2 x S-50PF1E5B	U-100PZ2E8	£2,910
10.0kW	R410A	Elite	1Ph	2 x S-50PF1E5B	U-100PE1E5A	£3,480
10.0kW	R410A	Elite	3Ph	2 x S-50PF1E5B	U-100PE1E8A	£3,512
10.0kW	R32	Elite	1Ph	2 x S-50PF1E5B	U-100PZH2E5	£3,480
10.0kW	R32	Elite	3Ph	2 x S-50PF1E5B	U-100PZH2E8	£3,512
12.5kW	R410A	Standard	1Ph	2 x S-60PF1E5B	U-125PEY1E5	£3,088
12.5kW	R410A	Standard	3Ph	2 x S-60PF1E5B	U-125PEY1E8	£3,167
12.5kW	R32	Standard	1Ph	2 x S-60PF1E5B	U-125PZ2E5	£3,088
12.5kW	R32	Standard	3Ph	2 x S-60PF1E5B	U-125PZ2E8	£3,167
12.5kW	R410A	Elite	1Ph	2 x S-60PF1E5B	U-125PE1E5A	£3,744
12.5kW	R410A	Elite	3Ph	2 x S-60PF1E5B	U-125PE1E8A	£3,841
12.5kW	R32	Elite	1Ph	2 x S-60PF1E5B	U-125PZH2E5	£3,744
12.5kW	R32	Elite	3Ph	2 x S-60PF1E5B	U-125PZH2E8	£3,841
14.0kW	R410A	Standard	3Ph	2 x S-71PF1E5B	U-140PEY1E8	£4,107
14.0kW	R32	Standard	1Ph	2 x S-71PF1E5B	U-140PZ2E5	£4,084
14.0kW	R32	Standard	3Ph	2 x S-71PF1E5B	U-140PZ2E8	£4,107
14.0kW	R410A	Elite	1Ph	2 x S-71PF1E5B	U-140PE1E5A	£4,580
14.0kW	R410A	Elite	3Ph	2 x S-71PF1E5B	U-140PE1E8A	£4,848
14.0kW	R32	Elite	1Ph	2 x S-71PF1E5B	U-140PZH2E5	£4,580
14.0kW	R32	Elite	3Ph	2 x S-71PF1E5B	U-140PZH2E8	£4,848
20.0kW	R410A	Elite	3Ph	2 x S-100PF1E5B	U-200PE2E8A	£5,047
25.0kW	R410A	Elite	3Ph	2 x S-125PF1E5B	U-250PE2E8A	£5,780

High Static Ducted Triple Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
10.0kW	R410A	Elite	1Ph	3 x S-36PF1E5B	U-100PE1E5A	£3,990
10.0kW	R410A	Elite	3Ph	3 x S-36PF1E5B	U-100PE1E8A	£4,031
10.0kW	R32	Elite	1Ph	3 x S-36PF1E5B	U-100PZH2E5	£3,999
10.0kW	R32	Elite	3Ph	3 x S-36PF1E5B	U-100PZH2E8	£4,031
12.5kW	R410A	Elite	1Ph	3 x S-45PF1E5B	U-125PE1E5A	£4,270
12.5kW	R410A	Elite	3Ph	3 x S-45PF1E5B	U-125PE1E8A	£4,367
12.5kW	R32	Elite	1Ph	3 x S-45PF1E5B	U-125PZH2E5	£4,270
12.5kW	R32	Elite	3Ph	3 x S-45PF1E5B	U-125PZH2E8	£4,367
14.0kW	R410A	Elite	1Ph	3 x S-50PF1E5B	U-140PE1E5A	£4,777
14.0kW	R410A	Elite	3Ph	3 x S-50PF1E5B	U-140PE1E8A	£5,045
14.0kW	R32	Elite	1Ph	3 x S-50PF1E5B	U-140PZH2E5	£4,777
14.0kW	R32	Elite	3Ph	3 x S-50PF1E5B	U-140PZH2E8	£5,045
20.0kW	R410A	Elite	3Ph	3 x S-71PF1E5B	U-200PE2E8A	£5,935

High Static Ducted Quad Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
12.5kW	R410A	Elite	1Ph	4 x S-36PF1E5B	U-125PE1E5A	£4,772
12.5kW	R410A	Elite	3Ph	4 x S-36PF1E5B	U-125PE1E8A	£4,869
12.5kW	R32	Elite	1Ph	4 x S-36PF1E5B	U-125PZH2E5	£4,772
12.5kW	R32	Elite	3Ph	4 x S-36PF1E5B	U-125PZH2E8	£4,869
20.0kW	R410A	Elite	3Ph	4 x S-50PF1E5B	U-200PE2E8A	£5,785
25.0kW	R410A	Elite	3Ph	4 x S-60PF1E5B	U-250PE2E8A	£6,382



Ceiling Suspended Twin Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
7.1kW	R32	Standard	1Ph	2 x S-36PT2E5B	U-71PZ2E5	£2,565
7.1kW	R410A	Elite	1Ph	2 x S-36PT2E5B	U-71PE1E5A	£3,060
7.1kW	R410A	Elite	3Ph	2 x S-36PT2E5B	U-71PE1E8A	£3,105
7.1kW	R32	Elite	1Ph	2 x S-36PT2E5B	U-71PZH2E5	£3,060
7.1kW	R32	Elite	3Ph	2 x S-36PT2E5B	U-71PZH2E8	£3,105
10.0kW	R410A	Standard	1Ph	2 x S-50PT2E5B	U-100PEY1E5	£3,050
10.0kW	R410A	Standard	3Ph	2 x S-50PT2E5B	U-100PEY1E8	£3,132
10.0kW	R32	Standard	1Ph	2 x S-50PT2E5B	U-100PZ2E5	£3,050
10.0kW	R32	Standard	3Ph	2 x S-50PT2E5B	U-100PZ2E8	£3,132
10.0kW	R410A	Elite	1Ph	2 x S-50PT2E5B	U-100PE1E5A	£3,702
10.0kW	R410A	Elite	3Ph	2 x S-50PT2E5B	U-100PE1E8A	£3,734
10.0kW	R32	Elite	1Ph	2 x S-50PT2E5B	U-100PZH2E5	£3,702
10.0kW	R32	Elite	3Ph	2 x S-50PT2E5B	U-100PZH2E8	£3,734
12.5kW	R410A	Standard	1Ph	2 x S-60PT2E5B	U-125PEY1E5	£3,352
12.5kW	R410A	Standard	3Ph	2 x S-60PT2E5B	U-125PEY1E8	£3,431
12.5kW	R32	Standard	1Ph	2 x S-60PT2E5B	U-125PZ2E5	£3,352
12.5kW	R32	Standard	3Ph	2 x S-60PT2E5B	U-125PZ2E8	£3,431
12.5kW	R410A	Elite	1Ph	2 x S-60PT2E5B	U-125PE1E5A	£4,008
12.5kW	R410A	Elite	3Ph	2 x S-60PT2E5B	U-125PE1E8A	£4,105
12.5kW	R32	Elite	1Ph	2 x S-60PT2E5B	U-125PZH2E5	£4,008
12.5kW	R32	Elite	3Ph	2 x S-60PT2E5B	U-125PZH2E8	£4,105
14.0kW	R410A	Standard	3Ph	2 x S-71PT2E5B	U-140PEY1E8	£4,013
14.0kW	R32	Standard	1Ph	2 x S-71PT2E5B	U-140PZ2E5	£3,990
14.0kW	R32	Standard	3Ph	2 x S-71PT2E5B	U-140PZ2E8	£4,013
14.0kW	R410A	Elite	1Ph	2 x S-71PT2E5B	U-140PE1E5A	£4,486
14.0kW	R410A	Elite	3Ph	2 x S-71PT2E5B	U-140PE1E8A	£4,754
14.0kW	R32	Elite	1Ph	2 x S-71PT2E5B	U-140PZH2E5	£4,486
14.0kW	R32	Elite	3Ph	2 x S-71PT2E5B	U-140PZH2E8	£4,754
20.0kW	R410A	Elite	3Ph	2 x S-100PT2E5B	U-200PE2E8A	£5,275
25.0kW	R410A	Elite	3Ph	2 x S-125PT2E5B	U-250PE2E8A	£6,068

Ceiling Suspended Ducted Triple Systems

Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
10.0kW	R410A	Elite	1Ph	3 x S-36PT2E5B	U-100PE1E5A	£4,362
10.0kW	R410A	Elite	3Ph	3 x S-36PT2E5B	U-100PE1E8A	£4,394
10.0kW	R32	Elite	1Ph	3 x S-36PT2E5B	U-100PZH2E5	£4,362
10.0kW	R32	Elite	3Ph	3 x S-36PT2E5B	U-100PZH2E8	£4,394
12.5kW	R410A	Elite	1Ph	3 x S-45PT2E5B	U-125PE1E5A	£4,636
12.5kW	R410A	Elite	3Ph	3 x S-45PT2E5B	U-125PE1E8A	£4,733
12.5kW	R32	Elite	1Ph	3 x S-45PT2E5B	U-125PZH2E5	£4,636
12.5kW	R32	Elite	3Ph	3 x S-45PT2E5B	U-125PZH2E8	£4,733
14.0kW	R410A	Elite	1Ph	3 x S-50PT2E5B	U-140PE1E5A	£5,110
14.0kW	R410A	Elite	3Ph	3 x S-50PT2E5B	U-140PE1E8A	£5,378
14.0kW	R32	Elite	1Ph	3 x S-50PT2E5B	U-140PZH2E5	£5,110
14.0kW	R32	Elite	3Ph	3 x S-50PT2E5B	U-140PZH2E8	£5,378
20.0kW	R410A	Elite	3Ph	3 x S-71PT2E5B	U-200PE2E8A	£5,794

Ceiling Suspended Quad Systems

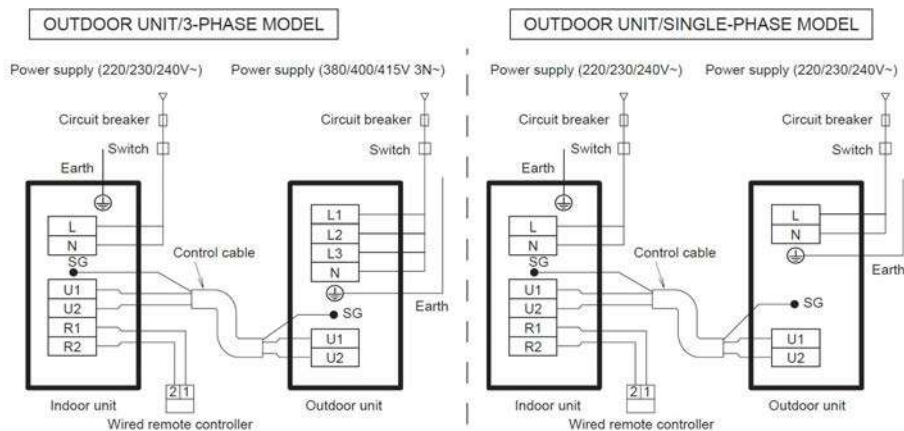
Nominal Cooling	Refrigerant	Outdoor Type	Power Supply	Indoor Units	Outdoor Unit	System Nett Price
12.5kW	R410A	Elite	1Ph	4 x S-36PT2E5B	U-125PE1E5A	£5,256
12.5kW	R410A	Elite	3Ph	4 x S-36PT2E5B	U-125PE1E8A	£5,353
12.5kW	R32	Elite	1Ph	4 x S-36PT2E5B	U-125PZH2E5	£5,256
12.5kW	R32	Elite	3Ph	4 x S-36PT2E5B	U-125PZH2E8	£5,353
20.0kW	R410A	Elite	3Ph	4 x S-50PT2E5B	U-200PE2E8A	£6,229
25.0kW	R410A	Elite	3Ph	4 x S-60PT2E5B	U-250PE2E8A	£6,910

Model	Description	Retail
Control Accessories		
CZ-RTC5B	Premium Control (ECOi & PACi), inc. PU2 & MU2 functions + run, standby & failover	£104
CZ-RE2C2	Simplified hard wired remote control	£124
CZ-RELC2	Simplified hard wired remote control (with backlight)	£175
CZ-RWSC2	Infrared wireless remote control with receiver, duct types series ME1 MF1 MF2 MM1	£145
CZ-RWSY2	Infrared wireless control for 600 x 600 cassette series MY2 (includes receiver)	£130
CZ-RWSU2N	Infrared wireless control for 4 way cassette series MU1 (includes receiver)	£145
CZ-RWST2	Infrared wireless control for ceiling series MT1 (includes receiver)	£145
CZ-RWST3N	Infrared wireless control for 1 way cassette and ceiling series MT2 (includes receiver)	£145
CZ-RWSL2N	Infrared wireless control for 2 way cassette series ML1 (includes receiver)	£145
CZ-RWSK2	Infrared wireless control for wall mounted series MK1	£93
CZ-RWSC3	Infrared wireless receiver	£75
CZ-RWSD2	Infrared wireless control for 1 way cassette series MD1 (includes receiver)	£145
CZ-CSRC3	Remote temperature sensor	£93
CZ-CENSC1	Econavi PIR and Demand Control Sensor	£125
PAW-PACR3	Intelligent control interface for redundancy and back up operation for up to 3 units	£1,500
Interfaces and Cables		
PA-RC2-WIFI-1	Intesis Home Interface - (ECOi / PACi models) - 1 indoor unit only	£200
PAW-RC2-KNX-1i	KNX / EIB Interface - (ECOi / PACi models) - 1 indoor unit only	£300
PAW-RC2-MBS-1	Modbus (RTU) - (ECOi / PACi models) - 1 indoor unit only	£300
PAW-RC2-MBS-4	Modbus (RTU) - (ECOi / PACi models) - 4 indoor units	£700
PAW-RC2-BAC-1	Modbus (RTU) - (ECOi / PACi models) - 1 indoor unit only	£500
CZ-T10	T10 interface cable	£40
PAW-FDC	Operate external EC fan	£40
PAW-OCT	All option monitoring signals	£40
PAW-EXCT	Force thermo off/leakage detection	£40
CZ-CAPE2	Option monitoring signals wo. fan	£77
PAW-T10	PCB with T10 dry contacts for window interlock etc	£84
PAW-ECF	PCB for fan speed control of external EC fan	£461
CZ-CAPBC2	Mini series parallel device capacity control ID units, 0-10 V. Max 1 group and 8 IU's	£155
Other Accessories		
CZ-BCU2	Air intake box for main unit	£70
CZ-ATU2	Air intake box when using air intake plenum CZ-FDU2	£200
CZ-FDU2	Air intake plenum	£290
CZ-CFU2	Airflow blanking panel	£40

As standard on the Big PACi, Std & Elite PACi they have a separate power supply to indoor and outdoor.

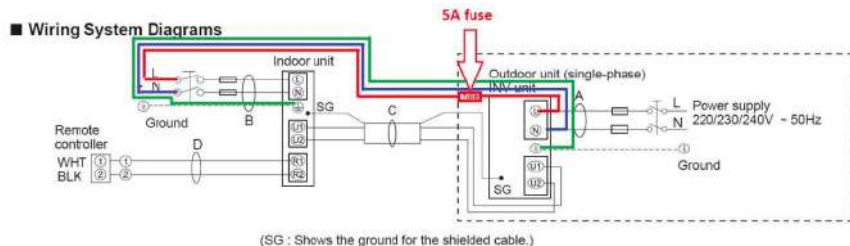
However please note the following.

- It is perfectly acceptable to run the power from the outdoor to indoor.
- If you have a larger distance between indoor and outdoor, it is far more cost effective to run the 2-core communication cables and have a separate supply.
- All indoor units (apart from the ME or PE high static ducted), only require a 6A fused spur. Therefore if you're just running a split, it is possible to take the feed from a local lighting circuit or similar. Be careful on twins, triples etc. and as always they need to be installed to local electrical regulations.
- Comms should always be screened both ends when connecting between indoor and outdoor units.
- We would never recommend running comms in the same cable as the power (EMI from power) it should be shielded (0.75mm² min.).



Optional wiring with in-line fuse

- Power supply can be taken from the outdoor unit. However, the feed to the indoor unit must comply with local electrical regulations (in-line fuse 5amp).
- A 3-core cable (live, neutral and earth) is required for the power and a separate 2 core screened cable for the communication (U1 U2).



Example of an in-line fuse below







VRF Outdoor Units

Panasonic provides an extensive range of solutions for mid and large buildings. Combining the best option to satisfy all needs and site restrictions.

The unique manufacturer that can combine both Electrical VRF and Gas powered VRF in the same project, delivering the best choice that makes the difference to our customers.

Providing a large choice in indoor units, and the ability to connect to water heat exchangers, air handling units and ventilation units with or without heat exchangers. All managed from simple and powerful stand alone remote control, new centralised controls or cloud connection with 3G embedded.

The cutting edge control technology is called VRF Smart Connectivity, combining the expertise of VRF communication and BEMS leading company to maximise comfort, and efficiency while reducing installation and integration costs.

ECOi Series Benefits

Ease Of Installation

R410A has a higher operating pressure with a lower pressure loss than previous refrigerants. This enables smaller pipe sizes to be used and allows reduced refrigerant charges.

Simple To Design

Panasonic recognise that designing, selecting and preparing a professional VRF quotation can be a time consuming and costly process, especially as it is often also a speculative exercise. So we have designed proprietary software which is quick and easy to use and produces a full schematic layout of pipework and controls, as well as a full materials list and performance data.

Easy To Control

A wide variety of control options are available to ensure that the ECOi system provides the user with the degree of control that they desire, from simple room controllers through to state of the art BMS controls.

Simple To Commission

Simple set-up procedure including automatic addressing of connected indoor units. Configuration settings can be made from an outdoor unit or via a remote controller.

Easy To Position

The compact design of the ECOi outdoor units means that sizes 8HP to 10HP fit into a standard lift and are easy to handle and position when on site. The small footprint and modular appearance of the units ensure a cohesive appearance to an installation.

Wide Selection And Connectability

With 11 indoor model styles available, ECOi systems are the ideal choice for multiple small capacity indoor unit installations, with the ability to connect up to 40 indoor units to systems of 24HP or greater for 3-Pipe ECOi MF2 6N Series.

Easy To Maintain

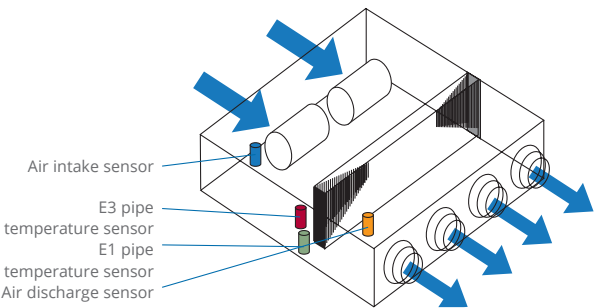
Each system allows the use of prognostic and diagnostic controls routines, from refrigerant charge control through to complex fault code diagnostics, all designed to reduce the speed of maintenance calls and unit down time.

Lower Running And Life Cycle Costs

Panasonic ECOi systems are amongst the most efficient VRF systems on the market. The system is also designed to make sure that we reduce the running cost of each system by using our unique road map control routine to ensure that the most efficient combination of compressors are running at any one time. Improved defrost sequencing also reduces running costs by defrosting each outdoor coil in turn when conditions allow.

Air discharge temperature control

Available in all VRF indoor units, this control provides excellent comfort. Discharge air at below 10°C is uncomfortable and can cause draughts. With Panasonic air discharge temperature control, air off temperature can be controlled between 7°C - 22°C.



Panasonic have a extremely high SEER and SCOP values following the SBEM method

2-Pipe		
Model	SEER	SCOP
U-8ME2E8	7,74	5,61
U-10ME2E8	7,66	5,71
U-12ME2E8	7,32	5,84
U-14ME2E8	6,97	5,72
U-16ME2E8	6,66	5,71
U-18ME2E8	6,56	5,65
U-20ME2E8	5,98	4,88

Highlighted Features (vary by model)



The Inverter range provides greater efficiency, more comfort, more precise temperature control, without highs and lows, and keeps the ambient temperature constant with lower energy consumption and a significant reduction in noise and vibration levels.



Multiple large-capacity all inverter compressors (more than 14HP). Two independently controlled inverter compressors achieve high efficiency. Redesigned components in the body provide performance improvement especially in the rated cooling condition and EER performance.



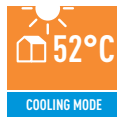
Intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduce waste by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.



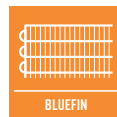
GHP technology offers the best in energy efficiency. ECO G gas VRF is specially designed for buildings where the electricity is restricted or CO₂ emissions must be reduced.



The ECOi EX system works in heating mode with performance data at outdoor temperature down to -25°C.



The ECOi EX system works in cooling mode with performance data at outdoor temperature up to 52°C.



Panasonic has extended the life of its condensers with an original anti-rust coating.



Built-in drain pump. Maximum head 50cm (or 75cm for U type) from the bottom of the unit.



Comfortable auto-flap control. When the unit is first turned on, flap position is automatically adjusted in accordance with the cooling or heating operation.



Automatic restart function for power failure. Even when power failure occurs, preset programmed operation can be reactivated once power is resumed.



Air Sweep. The air sweep function moves the flap up and down in the air outlet, directing air in a "sweeping" motion around the room and providing comfort in every corner.



Self-diagnosing function. By using electronic control valves past warnings are stored. This makes it easier to diagnose malfunctions, reducing service labour and therefore costs.



Automatic fan operation. Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low, corresponding to room sensor and maintains comfortable airflow throughout the room.



By intermittent control of compressor and indoor unit's fan, "Mild Dry" gives you comfort. It realizes efficient dehumidification according to room temperature.



The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A systems.



The new AC Smart Cloud from Panasonic allows you to have complete control of all your installations. In a simple click, all your units from several locations, receive status updates in real-time of all your installations, preventing breakdowns and optimizing costs.



The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.



Internet Control is a next generation system providing a user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.

Horse Power	4HP	5HP	6HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	25HP	26HP	28HP
Nominal Cooling (kW)	12.1	14	15.5	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	68.0	71.0	73.0	78.5
Nominal Heating (kW)	12.5	16	18	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	76.5	80.0	81.5	87.5
Mini ECOi - High Efficiency Single Phase	✓ 184	✓ 184	✓ 184												
Mini ECOi - High Efficiency Three Phase	✓ 185	✓ 185	✓ 185	✓ 187	✓ 187										
ECOi EX - 2 Pipe Three Phase - Standard				✓ 190	✓ 190	✓ 190	✓ 191	✓ 191	✓ 191	✓ 191	✓ 192	✓ 192		✓ 192	✓ 193
ECOi EX - 2 Pipe Three Phase - High Efficiency				✓ 202	✓ 202	✓ 202	✓ 203	✓ 203	✓ 204	✓ 204	✓ 204	✓ 205		✓ 205	✓ 205
ECOi MF3 6N - 3 Pipe Three Phase - Standard				✓ 213	✓ 213	✓ 213	✓ 214	✓ 214	✓ 214	✓ 215	✓ 215	✓ 215		✓ 216	✓ 216
ECO G GE3 - 2 Pipe Single Phase								✓ 222		✓ 222			✓ 223		
ECO G GF3 - 3 Pipe Single Phase								✓ 224		✓ 224			✓ 224		

Horse Power	30HP	32HP	34HP	36HP	38HP	40HP	42HP	44HP	45HP	46HP	48HP	50HP	52HP	54HP
Nominal Cooling (kW)	85.0	90.0	96.0	101.0	107.0	113.0	118.0	124.0	127.0	130.0	135.0	140.0	145.0	151.0
Nominal Heating (kW)	95.0	100.0	108.0	113.0	119.0	127.0	132.0	138.0	143.0	145.0	150.0	155.0	160.0	169.0
ECOi EX - 2 Pipe Three Phase - Standard	✓ 193	✓ 193	✓ 194	✓ 194	✓ 194	✓ 195	✓ 195	✓ 195		✓ 196	✓ 196	✓ 196	✓ 197	✓ 197
ECOi EX - 2 Pipe Three Phase - High Efficiency	✓ 206	✓ 206	✓ 206	✓ 207	✓ 207	✓ 207	✓ 208	✓ 208		✓ 208	✓ 209	✓ 209	✓ 209	✓ 210
ECOi MF3 6N - 3 Pipe Three Phase - Standard	✓ 216	✓ 217	✓ 217	✓ 217	✓ 218	✓ 218	✓ 218	✓ 219		✓ 219	✓ 219			
ECO G GE3 - 2 Pipe Single Phase	✓ 223	✓ NA		✓ NA		✓ NA			✓ NA			✓ NA		
Hybrid GHP/EHP	✓ 226													

Horse Power	55HP	56HP	58HP	60HP	62HP	64HP	66HP	68HP	70HP	72HP	74HP	76HP	78HP	80HP
Nominal Cooling (kW)	156.0	156.0	162.0	168.0	174.0	180.0	185.0	190.0	196.0	202.0	208.0	213.0	219.0	224.0
Nominal Heating (kW)	175.0	175.0	182.0	189.0	195.0	201.0	207.0	213.0	219.0	226.0	233.0	239.0	245.0	252.0
ECOi EX - 2 Pipe Three Phase - Standard		✓ 197	✓ 198	✓ 198	✓ 198	✓ 199	✓ 199	✓ 199	✓ 200	✓ 200	✓ 200	✓ 201	✓ 201	✓ 201
ECOi EX - 2 Pipe Three Phase - High Efficiency		✓ 210	✓ 210	✓ 211	✓ 211	✓ 211								
ECO G GE3 - 2 Pipe Single Phase				✓ NA										

VRF Systems ECOi EX

A VRF System delivering energy-saving performance, powerful operation, reliability and comfort surpassing anything previously possible. It represents a true paradigm shift in air conditioning solutions.



Mini ECOi LE Series

The Mini ECOi combines smartly compact body with high specifications. It delivers high levels of energy-saving, powerful operation, reliability and comfort.

2-Pipe ECO G GE3 Series

"L" type heat exchanger and new Inverter DC fan motor with a 3-blade propeller. Designed for better energy efficiency. SEER has been increased by maximum 120%.



VRF Smart Connectivity

Panasonic's VRF Smart Connectivity is a completely new, state-of-the-art solution providing energy saving and comfort as well as simple installation, operation and running.

Panasonic AC Smart Cloud

Centralised control of your business premises, from wherever 24/7. Smartly control, maintain, optimise and save.



VRF Outdoor

Mini ECOi - High Efficiency 4 - 6HP

Panasonic

Panasonic's Mini VRF outdoor unit provides high performance to position itself as one of the most powerful VRF systems available within the market



Single phase, single fan - page 184
U-4LE2E5
U-5LE2E5
U-6LE2E5

Three phase, single fan - page 185
U-4LE2E8
U-5LE2E8
U-6LE2E8

For Light Commercial Use

Panasonic's Mini ECOi, the 2-Pipe heat pump small VRF system, is specifically designed for the most demanding applications.

Offering between 12.1kW and 15.5kW cooling capacity in 3 sizes and up to 9 indoor units connected, the Mini ECOi sets standards of performance and flexibility. Utilising R410A and DC inverter technology, Panasonic offers VRF to a new and growing market.

Forming a new key part of the Panasonic VRF line up, the Mini ECOi is compatible with the same indoor units and controls as the rest of the ECOi range.

Technical Focus

- Single Phase or Three Phase power supply
- 1Ph, single fan outdoor units only 996mm high with industry leading COP's & EER's
- 35Pa external static pressure
- DC inverter technology combined with R410A
- Cooling operation to -10°C

Outdoor Unit		U-4LE2E5	U-5LE2E5	U-6LE2E5
Connection Kit		NA	NA	NA
PERFORMANCE	Horse Power	4HP	5HP	6HP
	Nominal Cooling	12.1	14.0	15.5
	Nominal Heating	12.5	16.0	16.5
	Maximum Number of Indoor Units	7	8	9
	Min - Max Connected Capacity Code	6.1 - 18.1	7.0 - 21.0	7.8 - 23.2
EFFICIENCY	EER - COP	4.50 - 5.19	4.06 - 4.60	3.73 - 4.27
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	7.85 - 4.87	7.48 - 4.40	7.25 - 4.25
AMBIENT RANGE	Operating Range - Cooling	-10°C to 46°C	-10°C to 46°C	-10°C to 46°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	1	1	1
	Size of Modules	4HP	5HP	6HP
	Height	996	996	996
	Width	980	980	980
	Depth	370	370	370
	Weight	106	106	106
SOUND & AIRFLOW	Sound Pressure Level (Cool - Heat)	52 - 54	53 - 56	54 - 56
	Airflow Rate	1150	1200	1233
	Max External Static Pressure	0 - 35	0 - 35	0 - 35
REFRIGERANT & PIPEWORK	Gas Pipe Size***	5/8"	5/8"	5/8"
	Liquid Pipe Size***	3/8"	3/8"	3/8"
	Discharge Pipe Size	NA	NA	NA
	Balance Pipe	NA	NA	NA
	R410A Refrigerant Factory Charge	6.7	6.7	6.7
	Tonnes CO2 Equivalent	13.990	13.990	13.990
POWER	Power Supply	230 - 1- 50	230 - 1- 50	230 - 1- 50
	Suggested Fuse Size	25	32	32
	Power Input (Cool - Heat)	2.69 - 2.41	3.45 - 3.48	4.15 - 3.86
	Running Current - Cooling	12.7	15.6	19.4
	Running Current - Heating	11.6	16.8	18.2
	Starting Current (Max Current)	1.0 (17.3)	1.0 (24.3)	1.0 (27.4)
Outdoor Unit		£3,165	£3,393	£3,760
Connection Kit		NA	NA	NA
Retail Price		£3,165	£3,393	£3,760



Outdoor Unit		U-4LE2E8	U-5LE2E8	U-6LE2E8
Connection Kit		NA	NA	NA
PERFORMANCE	Horse Power	4HP	5HP	6HP
	Nominal Cooling	kW 12.1	14.0	15.5
	Nominal Heating	kW 12.5	16.0	16.5
	Maximum Number of Indoor Units	7	8	9
	Min - Max Connected Capacity Code	6.1 - 18.1	7.0 - 21.0	7.8 - 23.2
EFFICIENCY	EER - COP	4.50 - 5.19	4.06 - 4.60	3.73 - 4.27
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	7.85 - 4.87	7.48 - 4.40	7.25 - 4.25
AMBIENT RANGE	Operating Range - Cooling	-10°C to 46C	-10°C to 46C	-10°C to 46C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	1	1	1
	Size of Modules	HP 4HP	5HP	6HP
	Height	mm 996	996	996
	Width	mm 980	980	980
	Depth	mm 370	370	370
	Weight	kg 106	106	106
SOUND & AIRFLOW	Sound Pressure Level (Cool - Heat)	dB(A) 52 - 54	53 - 56	53 - 56
	Airflow Rate	l/s 1150	1200	1233
	Max External Static Pressure	Pa 0 - 35	0 - 35	0 - 35
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 5/8"	5/8"	5/8"
	Liquid Pipe Size***	in 3/8"	3/8"	3/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in NA	NA	NA
	R410A Refrigerant Factory Charge	kg 6.7	6.7	6.7
	Tonnes CO2 Equivalent	13.990	13.990	13.990
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A TBC	TBC	TBC
	Power Input (Cool - Heat)	kW 2.69 - 2.41	3.45 - 3.48	4.15 - 3.86
	Running Current - Cooling	A 4.17 PER PH	5.30 PER PH	6.37 PER PH
	Running Current - Heating	A 3.78 PER PH	5.34 PER PH	5.93 PER PH
	Starting Current (Max Current)	A 1.0	1.0	1.0
Outdoor Unit		£3,390	£3,835	£4,129
Connection Kit		NA	NA	NA
Retail Price		£3,390	£3,835	£4,129

Prepare to be blown away by Panasonic's New Mini VRF system. The New Mini VRF compact system is the ideal solution for minimum outdoor space. Panasonic extends the Mini VRF range by 8 and 10HP units.



Increased External Static Pressure

When unit is installed at the narrow balcony, the fence at front side will be the obstacle. High external static pressure feature will keep the operating capacity and good advantage.

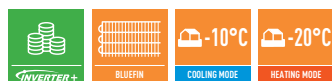
High Ambient Temperature Performance

Cooling operation range up to 46°C. The system can maintain the rated (100%) capacity up to 40°C by 8HP model & up to 37°C by 10HP model.

Technical Focus

- Piping flexibility 150m maximum piping length
- High efficiency
- 15 indoor units connectable
- Quiet operation mode (one of the lowest in the market)
- High ambient temp performance
- High static pressure 35Pa

Outdoor Unit		U-8LE1E8	U-10LE1E8
Connection Kit		NA	NA
PERFORMANCE	Horse Power	8HP	10HP
	Nominal Cooling	22.4	28.0
	Nominal Heating	25.0	28.0
	Maximum Number of Indoor Units	15	15
	Min - Max Connected Capacity Code	11.2 - 29.1	14.0 - 36.4
EFFICIENCY	EER - COP	3.80 - 4.02	3.11 - 3.93
	SEER* - ESEER value (Office Profile)	TBC	TBC
	SCOP** - ESCOP (Value)	6.27 - 4.24	6.37 - 4.31
AMBIENT RANGE	Operating Range - Cooling	-10°C to 46°C	-10°C to 46°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA
PHYSICAL	Number of Modules	1	1
	Size of Modules	HP	10HP
	Height	1500	1500
	Width	980	980
	Depth	370	370
	Weight	132	133
SOUND & AIRFLOW	Sound Pressure Level (Cool - Heat)	60 - 64	63 - 65
	Airflow Rate	2500	2667
	Max External Static Pressure	0 - 35	0 - 35
REFRIGERANT & PIPEWORK	Gas Pipe Size***	3/4"	7/8"
	Liquid Pipe Size***	3/8"	3/8"
	Discharge Pipe Size	NA	NA
	Balance Pipe	NA	NA
	R410A Refrigerant Factory Charge	6.3	6.6
	Tonnes CO2 Equivalent	13.1544	13.7808
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50
	Suggested Fuse Size	A	16 Per Phase
	Power Input (Cool - Heat)	kW	5.89 - 6.22
	Running Current - Cooling	A	9.15 Per Phase
	Running Current - Heating	A	9.65 Per Phase
	Starting Current (Max Current)	A	1.0 (13.7) Per Phase
Outdoor Unit		£5,260	£5,800
Connection Kit		NA	NA
Retail Price		£5,380	£5,900



2 Pipe ECOi Ex - The Game Changer

A game-changing VRF system delivering energy-saving performance, powerful operation, reliability and comfort surpassing anything previously possible.

1

High Performance At Extreme Conditions

ECOi EX is highly reliable, with strong cooling & heating power, even when operating at extreme ambient temperatures. The units can operate at 100% of capacity at 43°C, reaching a great cooling operation up to 52°C and in heating -25°C.

Also, the ECOi EX features include Bluefin in newly designed heat exchanger improving efficiency as well in marine ambient. A silicone coated PCB (Printed Circuit Board) protects the unit from being damaged by environmental factors such as moisture and dust.

2

Top Efficiency And Comfort

The new ECOi EX system is designed to dramatically increase energy efficiency by delivering the highest ESEER rating, as well as high efficiency for part-load operations. The system has reduced energy costs thanks to "All-Inverter Compressors", with independent control to deliver highly flexible performance. Also, the ECOi EX features an enlarged heat exchanger with triple surfaces that allow for improved heat transfer and a newly designed curved air discharge bell-mouth for better aerodynamics. The three-stage oil recovery design makes it able to minimise the frequency of forced oil recovery, leading to reduced energy costs and sustained comfort.

3

Superior Flexibility

With its up to 1000 meters of pipeline, its maximum 30 meters height difference between indoor units and its 200 meters length, the design possibilities have grown exponentially making the new ECOi EX the ideal air conditioning option for long haul buildings, such as train stations, airports, schools or hospitals. These advantages are enhanced with the wide range of indoor unit models and capacities facilitating the perfect adaptation to all kind of projects. The careful selection of controls and peripherals such as the pump down, the AHU or/and the chiller, enables an optimum system use. connectable maximum allowable indoor / outdoor capacity ratio up to 200%.



Twin Rotary Inverter Compressor

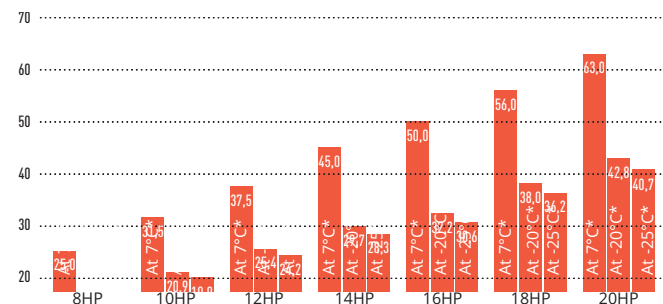
Two independently controlled inverter compressors achieve high efficiency. Redesigned components in the body provide performance improvement especially in the rated cooling condition and EER performance.

- Wider and flexible control on Inverter compressor
- Better oil lubrication
- Smooth start up



Extremely High Capacity at -20°C and Unique Heating at -25°C

Heating capacity (kW)



* Outdoor air temperature (°C WB).

Partial Load For Seasonal And Real System Efficiency

VRF units are designed to adapt to the heating and cooling demand, adapting its performance to different outdoor conditions. When compressor runs at lower than 100% capacity, the system is working at partial load. A wider compressor operating range results in better system performance both at full load and partial load conditions. Panasonic ECOi EX partial load is excellent, reaching a minimum of 15% of compressor capacity.



Multiple large-capacity all inverter compressors (more than 14HP).



Newly designed curved air discharge bell mouth for better aerodynamics.

Outdoor Unit		U-8ME2E8		U-10ME2E8		U-12ME2E8	
Connection Kit		NA		NA		NA	
PERFORMANCE	Horse Power		8HP		10HP		12HP
	Nominal Cooling	kW	22.4		28.0		33.5
	Nominal Heating	kW	25.0		31.5		37.5
	Maximum Number of Indoor Units		13		16		19
	Min - Max Connected Capacity Code ⁴⁾		11.2 - 29.1		14.0 - 36.4		16.8 - 43.5
EFFICIENCY	EER - COP		4.70 - 5.13		4.37 - 4.76		3.96 - 4.73
	SEER* - ESEER value (Office Profile)		7.43 - 9.33		6.83 - 8.67		6.65 - 7.94
	SCOP** - ESCOP (Value)		4.79 - TBC		4.26 - TBC		4.72 - TBC
AMBIENT RANGE	Operating Range - Cooling		-10°C to 52°C		-10°C to 52°C		-10°C to 52°C
	Operating Range - Heating		-25°C to 18°C		-25°C to 18°C		-25°C to 18°C
	Operating Range - Simultaneous Op.		NA		NA		NA
PHYSICAL	Number of Modules		1		1		1
	Size of Modules	HP	8HP		10HP		12HP
	Height	mm	1842		1842		1842
	Width	mm	770		770		1180
	Depth	mm	1000		1000		1000
	Weight	kg	210		210		270
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A)	54.0 - 51.0		56.0 - 53.0		59.0 - 56.0
	Airflow Rate	l/s	3733		3733		3867
	Max External Static Pressure	Pa	80		80		80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in	3/4" / 7/8"		7/8" / 1 1/8"		1 1/8" / 1 1/8"
	Liquid Pipe Size***	in	3/8" / 1/2"		3/8" / 1/2"		1/2" / 5/8"
	Discharge Pipe Size	in	NA		NA		NA
	Balance Pipe	in	1/4"		1/4"		1/4"
	R410A Refrigerant Factory Charge	kg	5.6		5.6		8.3
	Tonnes CO2 Equivalent		11.6928		11.6928		17.3304
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50		400 - 3 - 50		400 - 3 - 50
	Suggested Fuse Size	A	16		20		25
	Power Input (Cool - Heat)	kW	4.77 - 4.87		6.41 - 6.62		8.47 - 7.92
	Running Current - Cooling	A	7.40 / 7.14 Per Phase		10.20 / 9.80 Per Phase		13.00 / 12.50 Per Phase
	Running Current - Heating	A	7.56 / 7.29 Per Phase		10.50 / 11.10 Per Phase		12.30 / 11.80 Per Phase
	Starting Current	A	1		1		1
Outdoor Unit			£6,463		£6,938		£8,314
Connection Kit			NA		NA		NA
Retail Price			£6,463		£6,938		£8,314

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-14ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8
Connection Kit		NA	NA	NA	NA
PERFORMANCE	Horse Power	14HP	16HP	18HP	20HP
	Nominal Cooling	kW 40.0	45.0	50.0	56.0
	Nominal Heating	kW 45.0	50.0	56.0	63.0
	Maximum Number of Indoor Units	23	26	29	33
	Min - Max Connected Capacity Code ⁴⁾	20.0 - 52.0	22.5 - 58.5	25.0 - 65.0	28.0 - 72.8
EFFICIENCY	EER - COP	3.88 - 4.56	3.52 - 4.42	3.52 - 4.38	3.35 - 3.94
	SEER* - ESEER value (Office Profile)	7.23 - 7.73	6.43 - 7.19	7.56 - 6.95	7.03 - 6.18
	SCOP** - ESCOP (Value)	4.28 - TBC	4.05 - TBC	4.29 - TBC	4.09 - TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA	NA
PHYSICAL	Number of Modules	1	1	1	1
	Size of Modules	HP 14HP	16HP	18HP	20HP
	Height	mm 1842	1842	1842	1842
	Width	mm 1180	1180	1540	1540
	Depth	mm 1000	1000	1000	1000
	Weight	kg 315	315	375	375
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 60.0 - 57.0	61.0 - 58.0	59.0 - 56.0	60.0 - 57.0
	Airflow Rate	l/s 3867	3867	6750	6750
	Max External Static Pressure	Pa 80	80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/8" / 1 1/8"	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"
	Liquid Pipe Size***	in 1/2" / 5/8"	1/2" / 5/8"	5/8" / 3/4"	5/8" / 3/4"
	Discharge Pipe Size	in NA	NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 8.3	8.3	9.5	9.5
	Tonnes CO2 Equivalent	17.3304	17.3304	19.836	19.836
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32	32	40	40
	Power Input (Cool - Heat)	kW 10.30 - 9.86	12.80 - 11.30	14.20 - 12.80	16.70 - 16.00
	Running Current - Cooling (Per Phase)	A 16.50 / 15.90	20.10 / 19.40	22.00 / 21.20	25.40 / 24.50
	Running Current - Heating (Per Phase)	A 15.80 / 15.20	17.90 / 17.30	20.10 / 19.40	24.60 / 23.70
	Starting Current	A 2	2	2	2
Outdoor Unit		£9,367	£10,122	£12,092	£12,705
Connection Kit		NA	NA	NA	NA
Retail Price		£9,367	£10,122	£12,092	£12,705

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-22ME2E8	U-24ME2E8	U-26ME2E8
Connection Kit		CZ-P680PH2BM	CZ-P680PH2BM	CZ-P1350PH2BM
PERFORMANCE	Horse Power	22HP	24HP	26HP
	Nominal Cooling	kW 61.5	68.0	73.0
	Nominal Heating	kW 69.0	76.5	81.5
	Maximum Number of Indoor Units	36	40	43
	Min - Max Connected Capacity Code ⁴⁾	30.8 - 79.9	34.0 - 88.4	36.5 - 94.9
EFFICIENCY	EER - COP	4.13 - 4.76	3.93 - 4.69	3.80 - 4.55
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	HP 10HP & 12HP	12HP & 12HP	10HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 2010	2420	2010
	Depth	mm 1000	1000	1000
	Weight	kg 480	540	525
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 61.0 - 58.0	62.0 - 59.0	62.5 - 59.5
	Airflow Rate	l/s 7600	7733	7600
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/8" / 1 1/4"	1 1/8" / 1 1/4"	1 1/4" / 1 1/2"
	Liquid Pipe Size***	in 5/8" / 3/4"	5/8" / 3/4"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 13.9	16.6	13.9
	Tonnes CO2 Equivalent	23.3856	34.6608	29.0232
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 20, 25	25, 25	20, 32
	Power Input (Cool - Heat)	kW 14.9 - 14.5	17.3 - 16.3	19.2 - 17.9
	Running Current - Cooling (Per Phase)	A 23.1 / 22.3	26.6 / 25.6	30.1 / 29.0
	Running Current - Heating (Per Phase)	A 22.7 / 21.9	25.3 / 24.4	28.4 / 27.4
	Starting Current	A 2	2	3
Outdoor Unit		£15,252	£16,628	£17,060
Connection Kit		£140	£140	£140
Retail Price		£15,392	£16,768	£17,200

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit Connection Kit		U-28ME2E8 CZ-P1350PH2BM	U-30ME2E8 CZ-P1350PH2BM	U-32ME2E8 CZ-P1350PH2BM
PERFORMANCE	Horse Power	28HP	30HP	32HP
	Nominal Cooling	kW 78.5	85.0	90.0
	Nominal Heating	kW 87.5	95.0	100.0
	Maximum Number of Indoor Units	46	50	53
	Min - Max Connected Capacity Code ⁴⁾	39.3 - 102.0	42.5 - 110.5	45.0 - 117.0
EFFICIENCY	EER - COP	3.69 - 4.56	3.68 - 4.48	3.52 - 4.42
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	HP 12HP & 16HP	14HP & 16HP	16HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 2420	2420	2420
	Depth	mm 1000	1000	1000
	Weight	kg 585	630	630
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 63.5 - 60.5	63.5 - 60.5	64.0 - 61.0
	Airflow Rate	l/s 7733	7733	7733
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/4" / 1 1/2"	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 16.6	16.6	16.6
	Tonnes CO2 Equivalent	34.6608	34.6608	34.6608
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 25, 32	32, 32	32, 32
	Power Input (Cool - Heat)	kW 21.3 - 19.2	23.1 - 21.2	25.6 - 22.6
	Running Current - Cooling (Per Phase)	A 33.1 / 31.9	36.6 / 35.3	40.2 / 38.7
	Running Current - Heating (Per Phase)	A 30.1 / 29.0	33.6 / 32.4	35.8 / 34.6
	Starting Current	A 3	4	4
Outdoor Unit		£18,436	£19,489	£20,244
Connection Kit		£140	£140	£140
Retail Price		£18,576	£19,629	£20,384

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-34ME2E8	U-36ME2E8	U-38ME2E8
Connection Kit		CZ-P1350PH2BM	CZ-P1350PH2BM	CZ-P1350PH2BM
PERFORMANCE	Horse Power	34HP	36HP	38HP
	Nominal Cooling	kW 96.0	101.0	107.0
	Nominal Heating	kW 108.0	113.0	119.0
	Maximum Number of Indoor Units	56	59	64
	Min - Max Connected Capacity Code ⁴⁾	48.0 - 124.8	50.5 - 131.3	53.5 - 139.1
EFFICIENCY	EER - COP	3.56 - 4.17	3.42 - 4.14	3.42 - 4.13
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	HP 14HP & 20HP	16HP & 20HP	18HP & 20HP
	Height	mm 1842	1842	1842
	Width	mm 2780	2780	3140
	Depth	mm 1000	1000	1000
	Weight	kg 690	690	750
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 63.0 - 60.0	63.5 - 60.5	62.5 - 59.5
	Airflow Rate	l/s 10617	10617	13500
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/4" / 1 1/2"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 17.8	17.8	19
	Tonnes CO2 Equivalent	37.1664	37.1664	39.672
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 40	32, 40	40, 40
	Power Input (Cool - Heat)	kW 27.0 - 25.9	25.9 - 27.3	31.3 - 28.8
	Running Current - Cooling (Per Phase)	A 41.9 / 40.4	45.3 / 43.7	48.1 / 46.3
	Running Current - Heating (Per Phase)	A 40.6 / 39.2	42.4 / 40.8	44.7 / 43.1
	Starting Current	A 4	4	4
Outdoor Unit		£22,072	£22,827	£24,797
Connection Kit		£140	£140	£140
Retail Price		£22,212	£22,967	£24,937

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-40ME2E8	U-42ME2E8	U-44ME2E8
Connection Kit		CZ-P1350PH2BM	2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	40HP	42HP	44HP
	Nominal Cooling	kW 113.0	118.0	124.0
	Nominal Heating	kW 127.0	132.0	138.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	56.5 - 146.9	59.0 - 153.4	62.0 - 161.2
EFFICIENCY	EER - COP	3.34 - 3.92	3.69 - 4.49	3.62 - 4.50
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	3	3
	Size of Modules	HP 20HP & 20HP	10HP, 16HP & 16HP	12HP, 16HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 3140	3250	3660
	Depth	mm 1000	1000	1000
	Weight	kg 750	840	900
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 63.0 - 60.0	65.0 - 62.0	65.5 - 62.5
	Airflow Rate	l/s 13500	11467	11600
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 19	22.2	24.9
	Tonnes CO2 Equivalent	39.672	46.3536	51.9912
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 40, 40	20, 32, 32	25, 32, 32
	Power Input (Cool - Heat)	kW 33.8 - 32.4	32.0 - 29.4	34.3 - 30.7
	Running Current - Cooling (Per Phase)	A 51.4 / 49.5	50.2 / 48.4	53.2 / 51.3
	Running Current - Heating (Per Phase)	A 49.8 / 48.0	46.6 / 44.9	48.2 / 46.4
	Starting Current	A 4	5	5
Outdoor Unit		£25,410	£27,182	£28,558
Connection Kit		£140	£280	£280
Retail Price		£25,550	£27,462	£28,838

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-46ME2E8	U-48ME2E8	U-50ME2E8
Connection Kit		2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	46HP	48HP	50HP
	Nominal Cooling	kW 130.0	135.0	140.0
	Nominal Heating	kW 145.0	150.0	155.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	65.0 - 169.0	67.5 - 175.5	70.0 - 182.0
EFFICIENCY	EER - COP	3.62 - 4.46	3.52 - 4.42	3.55 - 4.29
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	3	3	3
	Size of Modules	HP 14HP, 16HP & 16HP	16HP, 16HP & 16HP	14HP, 16HP & 20HP
	Height	mm 1842	1842	1842
	Width	mm 3660	3660	4020
	Depth	mm 1000	1000	1000
	Weight	kg 945	945	1005
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 65.5 - 62.5	66.0 - 63.0	65.5 - 62.5
	Airflow Rate	l/s 11600	11600	14483
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 24.9	24.9	26.1
	Tonnes CO2 Equivalent	51.9912	51.9912	54.4968
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 32, 32	32, 32, 32	32, 32, 40
	Power Input (Cool - Heat)	kW 35.9 - 32.5	38.4 - 33.9	39.4 - 36.1
	Running Current - Cooling (Per Phase)	A 56.9 / 54.9	60.2 / 58.1	61.1 / 58.9
	Running Current - Heating (Per Phase)	A 51.5 / 49.7	53.8 / 51.8	56.6 / 54.6
	Starting Current	A 6	6	6
Outdoor Unit		£28,468	£30,366	£32,194
Connection Kit		£280	£280	£280
Retail Price		£29,891	£30,646	£32,474

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-52ME2E8	U-54ME2E8	U-56ME2E8
Connection Kit		2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	52HP	54HP	56HP
	Nominal Cooling	kW 145.0	151.0	156.0
	Nominal Heating	kW 160.0	169.0	175.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	82.5 - 188.5	85.5 - 196.3	78.0 - 202.8
EFFICIENCY	EER - COP	3.46 - 4.27	3.49 - 4.11	3.41 - 4.08
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	3	3	3
	Size of Modules	HP 16HP, 16HP & 20HP	14HP, 20HP & 20HP	16HP, 20HP & 20HP
	Height	mm 1842	1842	1842
	Width	mm 4020	4380	4380
	Depth	mm 1000	1000	1000
	Weight	kg 1005	1065	1065
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 65.5 - 62.5	65.0 - 62.0	65.5 - 62.5
	Airflow Rate	l/s 14483	17367	17367
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 26.1	27.3	27.3
	Tonnes CO2 Equivalent	54.4968	57.0024	57.0024
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 32, 40	32, 40, 40	32, 40, 40
	Power Input (Cool - Heat)	kW 41.9 - 37.5	43.3 - 41.1	45.8 - 42.9
	Running Current - Cooling (Per Phase)	A 65.0 / 62.7	66.5 / 64.1	70.3 / 67.8
	Running Current - Heating (Per Phase)	A 58.8 / 56.7	63.8 / 61.5	66.6 / 64.2
	Starting Current	A 6	6	6
Outdoor Unit		£32,949	£34,777	£35,532
Connection Kit		£280	£280	£280
Retail Price		£32,229	£35,057	£35,812

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-58ME2E8	U-60ME2E8	U-62ME2E8
Connection Kit		2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	58HP	60HP	62HP
	Nominal Cooling	kW 162.0	168.0	174.0
	Nominal Heating	kW 182.0	189.0	195.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	81.0 - 210.6	84.0 - 218.4	87.0 - 226.2
EFFICIENCY	EER - COP	3.40 - 4.06	3.35 - 3.94	3.60 - 4.45
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	3	3	4
	Size of Modules	HP 18HP, 20HP & 20HP	20HP, 20HP & 20HP	14HP, 16HP, 16HP, 16HP
	Height	mm 1842	1842	1842
	Width	mm 4740	4740	4900
	Depth	mm 1000	1000	1000
	Weight	kg 1125	1125	1260
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 64.5 - 61.5	65.0 - 62.0	67.0 - 64.0
	Airflow Rate	l/s 20250	20250	15467
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 5/8" / 1 3/4"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 28.5	28.5	33.2
	Tonnes CO2 Equivalent	59.508	59.508	69.3216
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 40, 40, 40	40, 40, 40	32, 32, 32, 32
	Power Input (Cool - Heat)	kW 47.6 - 44.8	50.1 - 48.0	48.3 - 43.8
	Running Current - Cooling (Per Phase)	A 73.1 / 70.4	76.1 / 73.4	75.8 / 73.0
	Running Current - Heating (Per Phase)	A 69.5 / 67.0	73.7 / 71.0	69.5 / 67.0
	Starting Current	A 6	6	8
Outdoor Unit		£37,502	£38,115	£39,733
Connection Kit		£280	£280	£420
Retail Price		£37,782	£38,395	£40,153

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-64ME2E8	U-66ME2E8	U-68ME2E8
Connection Kit		3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	64HP	66HP	68HP
	Nominal Cooling	kW 180.0	185.0	190.0
	Nominal Heating	kW 201.0	207.0	213.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	90.0 - 234.0	92.5 - 240.5	95.0 - 247.0
EFFICIENCY	EER - COP	3.52 - 4.42	3.52 - 4.16	3.49 - 4.18
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	4	4	4
	Size of Modules	HP 16HP, 16HP, 16HP, 16HP	10HP, 16HP, 20HP, 20HP	12HP, 16HP, 20HP, 20HP
	Height	mm 1842	1842	1842
	Width	mm 4900	5210	5620
	Depth	mm 1000	1000	1000
	Weight	kg 1260	1275	1335
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 67.0 - 64.0	66.0 - 63.0	66.5 - 63.5
	Airflow Rate	l/s 15467	21100	21233
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 5/8" / 1 3/4"	1 5/8" / 1 3/4"	1 5/8" / 1 3/4"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	7/8" / 1 1/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 33.2	32.9	35.6
	Tonnes CO2 Equivalent	69.3216	68.6952	74.3328
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 32, 32, 32	20, 32, 40, 40	25, 32, 40, 40
	Power Input (Cool - Heat)	kW 51.2 - 45.5	52.6 - 49.7	54.5 - 51.0
	Running Current - Cooling (Per Phase)	A 80.3 / 77.4	80.8 / 77.8	83.7 / 80.7
	Running Current - Heating (Per Phase)	A 72.2 / 69.6	77.1 / 74.3	79.2 / 76.3
	Starting Current	A 8	7	7
Outdoor Unit		£40,488	£42,470	£43,846
Connection Kit		£420	£420	£420
Retail Price		£40,908	£42,890	£44,266

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-70ME2E8	U-72ME2E8	U-74ME2E8
Connection Kit		3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	70HP	72HP	74HP
	Nominal Cooling	kW 196.0	202.0	208.0
	Nominal Heating	kW 219.0	226.0	233.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	98.0 - 254.8	101.0 - 262.6	104.0 - 270.4
EFFICIENCY	EER - COP	3.47 - 4.05	3.42 - 4.14	3.42 - 4.12
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	4	4	4
	Size of Modules	HP 10HP, 20HP, 20HP, 20HP	16HP, 16HP, 20HP, 20HP	16HP, 18HP, 20HP, 20HP
	Height	mm 1842	1842	1842
	Width	mm 5570	5620	5980
	Depth	mm 1000	1000	1000
	Weight	kg 1335	1380	1440
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 65.5 - 62.5	66.5 - 63.5	66.5 - 63.5
	Airflow Rate	l/s 23983	21233	24117
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 5/8" / 1 3/4"	1 3/4" / 2"	1 3/4" / 2"
	Liquid Pipe Size***	in 7/8" / 1 1/8"	7/8" / 1 1/8"	7/8" / 1 1/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 34.1	35.8	36.8
	Tonnes CO2 Equivalent	19.836	68.6952	19.836
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 20, 40, 40, 40	32, 32, 40, 40	32, 40, 40, 40
	Power Input (Cool - Heat)	kW 56.5 - 54.1	59.0 - 54.6	60.8 - 56.5
	Running Current - Cooling (Per Phase)	A 86.8 / 83.6	90.6 / 87.3	93.4 / 90.0
	Running Current - Heating (Per Phase)	A 83.1 / 80.1	84.7 / 81.7	87.7 / 84.5
	Starting Current	A 7	8	8
Outdoor Unit		£45,053	£45,654	£47,624
Connection Kit		£420	£420	£420
Retail Price		£45,473	£46,074	£48,044

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-76ME2E8	U-78ME2E8	U-80ME2E8
Connection Kit		3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	76HP	78HP	80HP
	Nominal Cooling	kW 213.0	219.0	224.0
	Nominal Heating	kW 239.0	245.0	252.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	106.5 - 276.9	109.5 - 284.7	112.0 - 291.2
EFFICIENCY	EER - COP	3.39 - 4.03	3.38 - 4.03	3.35 - 3.94
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	4	4	4
	Size of Modules	HP 16HP, 20HP, 20HP, 20HP	18HP, 20HP, 20HP, 20HP	20HP, 20HP, 20HP, 20HP
	Height	mm 1842	1842	1842
	Width	mm 5980	6340	6340
	Depth	mm 1000	1000	1000
	Weight	kg 1440	1500	1500
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 66.5 - 63.5	66.0 - 63.0	66.0 - 63.0
	Airflow Rate	l/s 24117	27000	27000
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 3/4" / 2"	1 3/4" / 2"	1 3/4" / 2"
	Liquid Pipe Size***	in 7/8" / 1 / 1/8"	7/8" 1 / 1/8"	7/8" 1 / 1/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 36.8	38.0	38.0
	Tonnes CO2 Equivalent	76.8384	79.344	79.344
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 40, 40, 40	40, 40, 40, 40	40, 40, 40, 40
	Power Input (Cool - Heat)	kW 62.9 - 59.3	64.7 - 60.8	66.8 - 64.0
	Running Current - Cooling (Per Phase)	A 96.6 / 93.1	98.3 / 94.7	101.5 / 97.8
	Running Current - Heating (Per Phase)	A 92.0 / 88.7	93.4 / 90.0	98.3 / 94.7
	Starting Current	A 8	8	8
Outdoor Unit		£48,237	£50,207	£50,820
Connection Kit		£420	£420	£420
Retail Price		£48,657	£50,627	£51,240

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit Connection Kit		U-8ME2E8	U-10ME2E8	U-12ME2E8
		NA	NA	NA
PERFORMANCE	Horse Power	8HP	10HP	12HP
	Nominal Cooling kW	22.4	28.0	33.5
	Nominal Heating kW	25.0	31.5	37.5
	Maximum Number of Indoor Units	13	16	19
	Min - Max Connected Capacity Code ⁴⁾	11.2 - 29.1	14.0 - 36.4	16.8 - 43.5
EFFICIENCY	EER - COP	4.70 - 5.13	4.37 - 4.76	3.96 - 4.73
	SEER* - ESEER value (Office Profile)	7.43 - 9.33	6.83 - 8.67	6.65 - 7.94
	SCOP** - ESCOP (Value)	4.79 - TBC	4.26 - TBC	4.72 - TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	1	1	1
	Size of Modules HP	8HP	10HP	12HP
	Height mm	1842	1842	1842
	Width mm	770	770	1180
	Depth mm	1000	1000	1000
	Weight kg	210	210	270
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent) dB(A)	54.0 - 51.0	56.0 - 53.0	59.0 - 56.0
	Airflow Rate l/s	3733	3733	3867
	Max External Static Pressure Pa	80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size*** in	3/4" / 7/8"	7/8" / 1 1/8"	1 1/8" / 1 1/8"
	Liquid Pipe Size*** in	3/8" / 1/2"	3/8" / 1/2"	1/2" / 5/8"
	Discharge Pipe Size in	NA	NA	NA
	Balance Pipe in	1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge kg	5.6	5.6	8.3
	Tonnes CO2 Equivalent	11.6928	11.6928	17.3304
POWER	Power Supply V-Ph-Hz	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size A	16	20	25
	Power Input (Cool - Heat) kW	4.77 - 4.87	6.41 - 6.62	8.47 - 7.92
	Running Current - Cooling (Per Phase) A	7.40 / 7.14	10.20 / 9.80	13.00 / 12.50
	Running Current - Heating (Per Phase) A	7.56 / 7.29	10.50 / 10.10	12.30 / 11.80
	Starting Current A	1	1	1
Outdoor Unit		£6,463	£6,938	£8,314
Connection Kit		NA	NA	NA
Retail Price		£6,463	£6,938	£8,314

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-14ME2E8		U-16ME2E8	
Connection Kit		NA		NA	
PERFORMANCE	Horse Power		14HP		16HP
	Nominal Cooling	kW	40.0		45.0
	Nominal Heating	kW	45.0		50.0
	Maximum Number of Indoor Units		23		26
	Min - Max Connected Capacity Code ⁴⁾		20.0 - 52.0		22.5 - 58.5
EFFICIENCY	EER - COP		3.88 - 4.56		3.52 - 4.42
	SEER* - ESEER value (Office Profile)		7.23 - 7.73		6.45 - 7.19
	SCOP** - ESCOP (Value)		4.28 - TBC		4.05 - TBC
AMBIENT RANGE	Operating Range - Cooling		-10°C to 52°C		-10°C to 52°C
	Operating Range - Heating		-25°C to 18°C		-25°C to 18°C
	Operating Range - Simultaneous Op.		NA		NA
PHYSICAL	Number of Modules		1		1
	Size of Modules	HP	14HP		16HP
	Height	mm	1842		1842
	Width	mm	1180		1180
	Depth	mm	1000		1000
	Weight	kg	315		315
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A)	60.0 - 57.0		61.0 - 58.0
	Airflow Rate	l/s	3867		3867
	Max External Static Pressure	Pa	80		80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in	1 1/8" / 1 1/8"		1 1/8" / 1 1/4"
	Liquid Pipe Size***	in	1/2" / 5/8"		1/2" / 5/8"
	Discharge Pipe Size	in	NA		NA
	Balance Pipe	in	1/4"		1/4"
	R410A Refrigerant Factory Charge	kg	8.3		8.3
	Tonnes CO2 Equivalent		17.3304		17.3304
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50		400 - 3 - 50
	Suggested Fuse Size	A	32		32
	Power Input (Cool - Heat)	kW	10.30 - 9.86		12.80 - 11.30
	Running Current - Cooling (Per Phase)	A	16.50 / 15.90		20.10 / 19.40
	Running Current - Heating (Per Phase)	A	15.80 / 15.20		17.90 / 17.30
	Starting Current	A	2		2
Outdoor Unit			£9,367		£10,122
Connection Kit			NA		NA
Retail Price			£9,367		£10,122

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit Connection Kit		U-18ME2E8-HE CZ-P680PH2BM	U-20ME2E8-HE CZ-P680PH2BM	U-22ME2E8-HE CZ-P680PH2BM
PERFORMANCE	Horse Power	18HP	20HP	22HP
	Nominal Cooling	50.0	56.0	61.5
	Nominal Heating	56.0	63.0	69.0
	Maximum Number of Indoor Units	29	33	36
	Min - Max Connected Capacity Code ⁴⁾	25.0 - 65.0	28.0 - 72.8	30.8 - 79.9
EFFICIENCY	EER - COP	4.55 - 4.96	4.38 - 4.77	4.13 - 4.76
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	8HP & 10HP	10HP & 10HP	10HP & 12HP
	Height	1842	1842	1842
	Width	1600	1600	2010
	Depth	1000	1000	1000
	Weight	420	420	480
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	58.5 - 55.5	59.0 - 56.0	61.0 - 58.0
	Airflow Rate	7467	7467	7600
	Max External Static Pressure	80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"
	Liquid Pipe Size***	5/8" / 3/4"	5/8" / 3/4"	5/8" / 3/4"
	Discharge Pipe Size	NA	NA	NA
	Balance Pipe	1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	11.2	11.2	13.9
	Tonnes CO2 Equivalent	23.3856	23.3856	29.0232
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A	16, 20	20, 25
	Power Input (Cool - Heat)	kW	11.0 - 11.3	12.8 - 13.2
	Running Current - Cooling (Per Phase)	A	17.3 / 16.6	20.3 / 19.6
	Running Current - Heating (Per Phase)	A	17.7 / 17.1	20.9 / 20.2
	Starting Current	A	2	2
Outdoor Unit		£13,401	£13,876	£15,252
Connection Kit		£140	£140	£140
Retail Price		£13,541	£14,016	£15,392

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit Connection Kit		U-24ME2E8-HE CZ-P680PH2BM	U-26ME2E8-HE CZ-P1350PH2BM	U-28ME2E8-HE CZ-P1350PH2BM
PERFORMANCE	Horse Power	24HP	26HP	28HP
	Nominal Cooling	kW 68.0	73.0	78.5
	Nominal Heating	kW 76.5	81.5	87.5
	Maximum Number of Indoor Units	40	43	46
	Min - Max Connected Capacity Code ⁴⁾	34.0 - 88.4	36.5 - 94.9	39.3 - 102.0
EFFICIENCY	EER - COP	3.93 - 4.69	3.80 - 4.55	3.69 - 4.56
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	HP 12HP & 12HP	10HP & 16HP	12HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 2420	2010	2420
	Depth	mm 1000	1000	1000
	Weight	kg 540	535	585
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 62.0 - 59.0	62.5 - 59.5	63.5 - 60.5
	Airflow Rate	l/s 7733	7600	7733
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/8" / 1 1/4"	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"
	Liquid Pipe Size***	in 5/8" / 3/4"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 16.6	13.9	16.6
	Tonnes CO2 Equivalent	34.6608	29.0232	34.6608
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 25, 25	20, 32	25, 32
	Power Input (Cool - Heat)	kW 17.3 - 16.3	19.2 - 17.9	21.3 - 19.2
	Running Current - Cooling (Per Phase)	A 26.6 / 25.6	30.1 / 29.0	33.1 / 29.0
	Running Current - Heating (Per Phase)	A 25.3 / 24.4	28.4 / 27.4	30.1 / 29.0
	Starting Current	A 2	3	3
Outdoor Unit		£16,628	£17,060	£18,436
Connection Kit		£140	£140	£140
Retail Price		£16,768	£17,200	£18,576

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit Connection Kit		U-30ME2E8-HE CZ-P1350PH2BM	U-32ME2E8-HE CZ-P1350PH2BM	U-34ME2E8-HE CZ-P680PH2BM & CZ-P1350PH2BM
PERFORMANCE	Horse Power	30HP	32HP	34HP
	Nominal Cooling	kW 85.0	90.0	96.0
	Nominal Heating	kW 95.0	100.0	108.0
	Maximum Number of Indoor Units	50	53	56
	Min - Max Connected Capacity Code ⁴⁾	42.5 - 110.5	45.0 - 117.0	48.0 - 124.8
EFFICIENCY	EER - COP	3.68 - 4.48	3.52 - 4.42	4.05 - 4.72
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	2	2	3
	Size of Modules	HP 14HP & 16HP	16HP & 16HP	10HP, 12HP & 12HP
	Height	mm 1842	1842	1842
	Width	mm 2420	2420	3250
	Depth	mm 1000	1000	1000
	Weight	kg 630	630	750
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 63.5 - 60.5	64.0 - 61.0	63.0 - 60.0
	Airflow Rate	l/s 7733	7733	11467
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/4" / 1 1/2"	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 16.6	16.6	22.2
	Tonnes CO2 Equivalent	34.6608	34.6608	46.3536
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 32	32, 32	20, 25, 25
	Power Input (Cool - Heat)	kW 23.1 - 21.2	25.6 - 22.6	23.7 - 22.9
	Running Current - Cooling (Per Phase)	A 36.6 / 35.3	40.2 / 38.7	36.8 / 35.5
	Running Current - Heating (Per Phase)	A 33.6 / 32.4	35.8 / 34.6	35.9 / 34.6
	Starting Current	A 4	4	3
Outdoor Unit		£19,489	£20,244	£23,566
Connection Kit		£140	£140	£280
Retail Price		£19,629	£20,384	£23,846

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit Connection Kit		U-36ME2E8-HE CZ-P680PH2BM & CZ- P1350PH2BM	U-38ME2E8-HE CZ-P680PH2BM & CZ- P1350PH2BM	U-40ME2E8-HE CZ-P680PH2BM & CZ- P1350PH2BM
PERFORMANCE	Horse Power	36HP	38HP	40HP
	Nominal Cooling	kW 101.0	107.0	113.0
	Nominal Heating	kW 113.0	119.0	127.0
	Maximum Number of Indoor Units	59	64	64
	Min - Max Connected Capacity Code ⁴⁾	50.5 - 131.3	53.5 - 139.1	56.5 - 146.9
EFFICIENCY	EER - COP	3.95 - 4.73	3.84 - 4.61	3.75 - 4.57
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	3	3	3
	Size of Modules	HP 12HP, 12HP & 12HP	10HP, 12HP & 16HP	12HP, 12HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 3660	3250	3660
	Depth	mm 1000	1000	1000
	Weight	kg 810	795	855
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 64.0 - 61.0	64.0 - 61.0	64.5 - 61.5
	Airflow Rate	l/s 11600	11467	11600
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 24.9	22.2	24.9
	Tonnes CO2 Equivalent	51.9912	46.3536	46.3536
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 25, 25, 25	20, 25, 32	25, 25, 32
	Power Input (Cool - Heat)	kW 25.6 - 23.9	27.9 - 25.8	30.1 - 27.8
	Running Current - Cooling (Per Phase)	A 39.3 / 37.9	43.8 / 42.2	46.7 / 45.0
	Running Current - Heating (Per Phase)	A 37.1 / 35.8	40.5 / 39.0	43.6 / 42.0
	Starting Current	A 3	4	4
Outdoor Unit		£24,942	£25,374	£26,750
Connection Kit		£280	£280	£280
Retail Price		£25,222	£25,654	£27,030

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-42ME2E8-HE	U-44ME2E8-HE	U-46ME2E8-HE
Connection Kit		2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM	2 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	42HP	44HP	46HP
	Nominal Cooling	kW 118.0	124.0	130.0
	Nominal Heating	kW 132.0	138.0	145.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	59.0 - 153.4	62.0 - 161.2	65.0 - 169.0
EFFICIENCY	EER - COP	3.69 - 4.49	3.62 - 4.50	3.62 - 4.46
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	3	3	3
	Size of Modules	HP 10HP, 16HP & 16HP	12HP, 16HP & 16HP	14HP, 16HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 3250	3660	3660
	Depth	mm 1000	1000	1000
	Weight	kg 840	900	945
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 65.0 - 62.0	65.5 - 62.5	65.5 - 62.5
	Airflow Rate	l/s 11467	11600	11600
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 22.2	24.9	24.9
	Tonnes CO2 Equivalent	51.9912	51.9912	51.9912
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 20, 32, 32	25, 32, 32	32, 32, 32
	Power Input (Cool - Heat)	kW 32.0 - 29.4	34.3 - 30.7	35.9 - 32.5
	Running Current - Cooling (Per Phase)	A 50.2 / 48.4	53.2 / 51.3	56.9 / 54.9
	Running Current - Heating (Per Phase)	A 46.6 / 44.9	48.2 / 46.4	51.5 / 49.7
	Starting Current	A 5	5	6
Outdoor Unit		£27,182	£28,558	£29,611
Connection Kit		£280	£280	£280
Retail Price		£27,462	£28,838	£29,891

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-48ME2E8-HE	U-50ME2E8-HE	U-52ME2E8-HE
Connection Kit		2 x CZ-P1350PH2BM	CZ-P680PH2BM & 2 x CZ-P1350PH2BM	CZ-P680PH2BM & 2 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	48HP	50HP	52HP
	Nominal Cooling	kW 135.0	140.0	145.0
	Nominal Heating	kW 150.0	155.0	160.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	67.5 - 175.5	70.0 - 182.0	72.5 - 188.5
EFFICIENCY	EER - COP	3.52 - 4.42	3.87 - 4.65	3.82 - 4.66
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	3	4	4
	Size of Modules	HP 16HP, 16HP & 16HP	10HP, 12HP, 12HP, 16HP	12HP, 12HP, 12HP, 16HP
	Height	mm 1842	1842	1842
	Width	mm 3660	4490	4900
	Depth	mm 1000	1000	1000
	Weight	kg 945	1065	1125
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 66.0 - 63.0	65.5 - 62.5	66.0 - 63.0
	Airflow Rate	l/s 11600	15333	15467
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 24.9	30.5	33.2
	Tonnes CO2 Equivalent	51.9912	63.684	69.3216
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 32, 32, 32	20, 25, 25, 32	25, 25, 25, 32
	Power Input (Cool - Heat)	kW 38.4 - 33.9	36.2 - 33.3	38.0 - 34.3
	Running Current - Cooling (Per Phase)	A 60.2 / 58.1	56.2 / 54.2	59.0 / 56.8
	Running Current - Heating (Per Phase)	A 53.8 / 51.8	52.2 / 50.4	53.8 / 51.9
	Starting Current	A 6	5	5
Outdoor Unit		£30,366	£33,688	£35,064
Connection Kit		£280	£420	£420
Retail Price		£30,646	£34,108	£35,484

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-54ME2E8-HE	U-56ME2E8-HE	U-58ME2E8-HE
Connection Kit		CZ-P680PH2BM & 2 x CZ-P1350PH2BM	CZ-P680PH2BM & 2 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	54HP	56HP	58HP
	Nominal Cooling	kW 151.0	156.0	162.0
	Nominal Heating	kW 169.0	175.0	182.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	75.5 - 196.3	78.0 - 202.8	81.0 - 210.6
EFFICIENCY	EER - COP	3.75 - 4.56	3.71 - 4.56	3.65 - 4.47
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	4	4	4
	Size of Modules	HP 10HP, 12HP, 16HP, 16HP	12HP, 12HP, 16HP, 16HP	10HP, 16HP, 16HP, 16HP
	Height	mm 1842	1842	1842
	Width	mm 4490	4900	4490
	Depth	mm 1000	1000	1000
	Weight	kg 1110	1170	1155
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 66.0 - 63.0	66.5 - 63.5	66.5 - 63.5
	Airflow Rate	l/s 15333	15467	15333
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 30.5	33.2	30.5
	Tonnes CO2 Equivalent	63.684	69.3216	63.684
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 20, 25, 32, 32	25, 25, 32, 32	20, 32, 32, 32
	Power Input (Cool - Heat)	kW 40.3 - 37.1	42.1 - 38.4	44.4 - 40.7
	Running Current - Cooling (Per Phase)	A 63.2 / 60.9	65.3 / 63.0	69.7 / 67.1
	Running Current - Heating (Per Phase)	A 58.8 / 56.7	60.2 / 58.1	64.6 / 62.2
	Starting Current	A 6	6	7
Outdoor Unit		£35,446	£36,872	£37,304
Connection Kit		£420	£420	£420
Retail Price		£35,916	£37,292	£37,724

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



Outdoor Unit		U-60ME2E8-HE	U-62ME2E8-HE	U-64ME2E8-HE
Connection Kit		3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM	3 x CZ-P1350PH2BM
PERFORMANCE	Horse Power	60HP	62HP	64HP
	Nominal Cooling	kW 168.0	174.0	180.0
	Nominal Heating	kW 189.0	195.0	201.0
	Maximum Number of Indoor Units	64	64	64
	Min - Max Connected Capacity Code ⁴⁾	84.0 - 218.4	87.0 - 226.2	90.0 - 234.0
EFFICIENCY	EER - COP	3.60 - 4.47	3.60 - 4.45	3.52 - 4.42
	SEER* - ESEER value (Office Profile)	TBC	TBC	TBC
	SCOP** - ESCOP (Value)	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-25°C to 18°C	-25°C to 18°C	-25°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA	NA
PHYSICAL	Number of Modules	4	4	4
	Size of Modules	HP 12HP, 16HP, 16HP, 16HP	14HP, 16HP, 16HP, 16HP	16HP, 16HP, 16HP, 16HP
	Height	mm 1842	1842	1842
	Width	mm 4900	4900	4900
	Depth	mm 1000	1000	1000
	Weight	kg 1215	1260	1260
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 67.0 - 64.0	67.0 - 64.0	67.0 - 64.0
	Airflow Rate	l/s 15467	15467	15467
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/2" / 1 5/8"	1 5/8" / 1 3/4"	1 5/8" / 1 3/4"
	Liquid Pipe Size***	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in NA	NA	NA
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 33.2	33.2	33.2
	Tonnes CO2 Equivalent	69.3216	69.3216	69.3216
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A 25, 32, 32, 32	32, 32, 32, 32	32, 32, 32, 32
	Power Input (Cool - Heat)	kW 46.7 - 42.3	48.3 - 43.8	51.2 - 45.5
	Running Current - Cooling (Per Phase)	A 73.3 / 70.6	75.8 / 73.0	80.3 / 77.4
	Running Current - Heating (Per Phase)	A 67.1 / 64.7	69.5 / 67.0	72.2 / 69.6
	Starting Current	A 7	8	8
Outdoor Unit		£38,680	£39,733	£40,488
Connection Kit		£420	£420	£420
Retail Price		£39,100	£40,153	£40,908

Notes: * Data obtained with setting by Panasonic commissioning. ** Tentative data. *** Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130 % and below 200 %: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



New 3-pipe ECOi EX MF3 series

Simultaneous heating and cooling VRF System

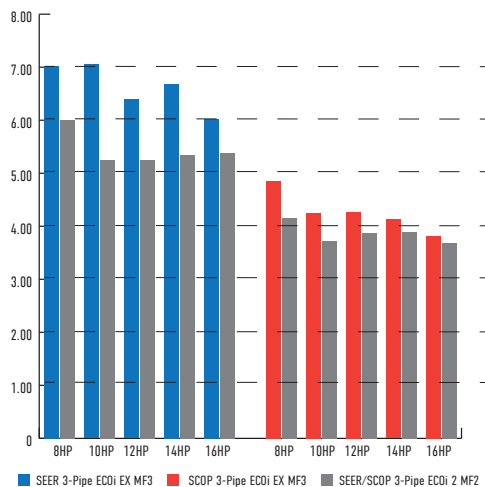
The new Panasonic 3-Pipe ECOi EX MF3 series offers the ideal solution to meet customer's demand.

Upgraded energy efficiency utilising ECOi EX technology.

- SEER / SCOP improved full capacities from 8 to 16HP
- SEER / SCOP complies with LOT21 which was implemented in January 2018
- EER / COP is certified in Eurovent

Design flexibility

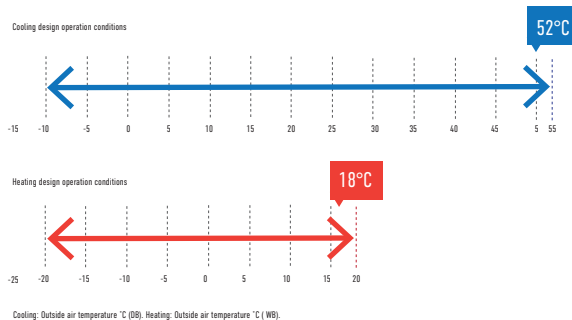
- High reliability even under tough temperature condition
- Maximum 52 indoor units connectable
- Slim heat recovery box with just 200 height
- Farthest piping length between indoor units and outdoor units: 200m



Extended design operation conditions

Cooling design operation conditions: The cooling operation range has been extended to -10°C ~ 52°C by changing the outdoor fan to an Inverter type.

Heating design operation conditions: Stable heating operation even with an outside air temperature of -20°C. The heating operation range has been extended to -20°C by use of a compressor with a high-pressure vessel.



Increased maximum number of connectable indoor units

- Maximum 48HP with 52 indoor units can be set up according to user needs.
- Connectable indoor/outdoor unit capacity ratio up to 150%.

Power suppression control for energy saving (Demand control)¹

The 3-Pipe ECOi EX MF3 Series has a built-in demand function which uses the inverter characteristics. With this demand function, the power consumption can be set in three steps, and operation² at optimum performance is performed according to the setting and the power consumption. This function is useful to reduce the annual power consumption and to save electricity costs while maintaining comfort.

¹ An outdoor Seri-Para I/O unit is required for demand input.

² Setting is possible as 0% or in the range from 40 to 100% (in steps of 5%). At the time of shipping, setting has been done to the three steps of 0%, 70%, and 100%.

Outdoor Unit		U-8MF3E8		U-10MF3E8		U-12MF3E8	
Connection Kit		NA		NA		NA	
PERFORMANCE	Horse Power		8HP		10HP		12HP
	Nominal Cooling	kW	22.4		28.0		33.5
	Nominal Heating	kW	25.0		31.5		37.5
	Maximum Number of Indoor Units		TBC		TBC		TBC
	Min - Max Connected Capacity Code *		11.2 - 33.6		14.0 - 42.0		16.75 - 50.25
EFFICIENCY	EER - COP		5.11 - 5.25		4.72 - 5.17		3.91 - 4.51
	SEER		7.02		7.05		6.39
	SCOP		4.85		4.25		4.27
AMBIENT RANGE	Operating Range - Cooling		-10°C to 52°C		-10°C to 52°C		-10°C to 52°C
	Operating Range - Heating		-20°C to 18°C		-20°C to 18°C		-20°C to 18°C
	Operating Range - Simultaneous Op.		-10°C to 24°C		-10°C to 24°C		-10°C to 24°C
PHYSICAL	Number of Modules		1		1		1
	Size of Modules	HP	8HP		10HP		12HP
	Height	mm	1842		1842		1842
	Width	mm	1180		1180		1180
	Depth	mm	1000		1000		1000
	Weight	kg	261		262		286
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A)	54 - 51		57 - 54		60 - 57
	Airflow Rate	l/s	3500		3667		3867
	Max External Static Pressure	Pa	80		80		80
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	3/4"		7/8"		1 1/8"
	Liquid Pipe Size	in	3/8"		3/8"		1/2"
	Discharge Pipe Size	in	5/8"		3/4"		3/4"
	Balance Pipe	in	1/4"		1/4"		1/4"
	R410A Refrigerant Factory Charge	kg	6.8		6.8		8.3
	Tonnes CO2 Equivalent		14.20		14.20		17.33
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50		400 - 3 - 50		400 - 3 - 50
	Suggested Fuse Size	A	TBC		TBC		TBC
	Power Input (Cool - Heat)	kW	4.38 - 4.76		5.93 - 6.09		8.57 - 8.32
	Running Current - Cooling (Per Phase)	A	6.8		9.41		13.2
	Running Current - Heating (Per Phase)	A	7.39		9.66		12.80
	Starting Current	A	1		1		1
Outdoor Unit			£6,550		£7,230		£8,690
Connection Kit			NA		NA		NA
Retail Price			£6,550		£7,230		£8,690

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.



Outdoor Unit		U-14MF3E8	U-16MF3E8	U-18MF3E8
Connection Kit		NA	NA	CZ-P680PJ2BM
PERFORMANCE	Horse Power	14HP	16HP	18HP
	Nominal Cooling kW	40.0	45.0	50.0
	Nominal Heating kW	45.0	50.0	56.0
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code *	20.0 - 60.0	22.5 - 67.5	25.0 - 75.0
EFFICIENCY	EER - COP	3.70 - 4.21	3.49 - 4.17	4.90 - 5.23
	SEER	6.69	6.02	TBC
	SCOP	4.13	3.81	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Number of Modules	1	1	2
	Size of Modules HP	14HP	16HP	8HP & 10HP
	Height mm	1842	1842	1842
	Width mm	1180	1180	2420
	Depth mm	1000	1000	1000
	Weight kg	334	334	523
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent) dB(A)	61 - 58	62 - 59	59 - 56
	Airflow Rate l/s	3867	3867	7167
	Max External Static Pressure Pa	80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size in	1 1/8"	1 1/8"	1 1/8" / 1 1/4"
	Liquid Pipe Size in	1/2"	1/2"	5/8" / 3/4"
	Discharge Pipe Size in	7/8"	7/8"	7/8" / 1 1/8"
	Balance Pipe in	1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge kg	8.3	8.3	13.6
	Tonnes CO2 Equivalent	17.33	17.33	28.40
POWER	Power Supply V-Ph-Hz	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size A	TBC	TBC	TBC
	Power Input (Cool - Heat) kW	10.8 - 10.7	12.9 - 12	10.2 - 10.7
	Running Current - Cooling (Per Phase) A	17.3	20.2	16.0
	Running Current - Heating (Per Phase) A	17.20	19.00	16.80
	Starting Current A	2	2	2
Outdoor Unit		£10,050	£11,550	£13,780
Connection Kit		NA	NA	£190
Retail Price		£10,050	£11,550	£13,970

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.



Outdoor Unit		U-20MF3E8	U-22MF3E8	U-24MF3E8
Connection Kit		CZ-P680PJ2BM	CZ-P680PJ2BM	CZ-P680PJ2BM
PERFORMANCE	Horse Power	20HP	22HP	24HP
	Nominal Cooling	56.0	61.5	68.0
	Nominal Heating	63.0	69.0	76.5
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code *	28.0 - 84.0	30.75 - 92.25	34.0 - 102.0
EFFICIENCY	EER - COP	4.31 - 4.77	4.24 - 4.79	3.89 - 4.47
	SEER	TBC	TBC	TBC
	SCOP	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	8HP & 12HP	10HP & 12HP	12HP & 12HP
	Height	1842	1842	1842
	Width	2420	2420	2420
	Depth	1000	1000	1000
	Weight	547	548	574
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	61 - 58	62 - 59	63 - 60
	Airflow Rate	7367	7533	7733
	Max External Static Pressure	80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"
	Liquid Pipe Size	5/8" / 3/4"	5/8" / 3/4"	5/8" / 3/4"
	Discharge Pipe Size	7/8" / 1 1/8"	1 1/8" / 1 1/8"	1 1/8" / 1 1/8"
	Balance Pipe	1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	15.1	15.1	16.6
	Tonnes CO2 Equivalent	31.53	31.53	34.66
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A	TBC	TBC
	Power Input (Cool - Heat)	kW	13 - 13.2	14.5 - 14.4
	Running Current - Cooling (Per Phase)	A	20.0	22.5
	Running Current - Heating (Per Phase)	A	20.30	22.30
	Starting Current	A	2	2
Outdoor Unit		£15,240	£15,920	£17,380
Connection Kit		£190	£190	£190
Retail Price		£15,430	£16,110	£17,570

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.



Outdoor Unit		U-26MF3E8	U-28MF3E8	U-30MF3E8
Connection Kit		CZ-P1350PJ2BM	CZ-P1350PJ2BM	CZ-P1350PJ2BM
PERFORMANCE	Horse Power	26HP	28HP	30HP
	Nominal Cooling	73.0	78.5	85.0
	Nominal Heating	81.5	87.5	95.0
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code *	36.5 - 109.5	39.25 - 117.75	42.5 - 127.5
EFFICIENCY	EER - COP	3.88 - 4.50	3.65 - 4.31	3.59 - 4.19
	SEER	TBC	TBC	TBC
	SCOP	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Number of Modules	2	2	2
	Size of Modules	10HP & 16HP	12HP & 16HP	14HP & 16HP
	Height	1842	1842	1842
	Width	2420	2420	2420
	Depth	1000	1000	1000
	Weight	596	620	668
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	63.5 - 60.5	64.5 - 61.5	64.5 - 61.5
	Airflow Rate	7533	7733	7733
	Max External Static Pressure	80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"
	Liquid Pipe Size	3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	1 1/8" / 1 1/8"	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"
	Balance Pipe	1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	15.1	16.6	16.6
	Tonnes CO2 Equivalent	31.53	34.66	34.66
POWER	Power Supply	V-Ph-Hz	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A	TBC	TBC
	Power Input (Cool - Heat)	kW	18.8 - 18.1	21.5 - 20.3
	Running Current - Cooling (Per Phase)	A	29.5	33.4
	Running Current - Heating (Per Phase)	A	28.70	31.80
	Starting Current	A	3	3
Outdoor Unit		£18,780	£20,240	£21,600
Connection Kit		£190	£190	£190
Retail Price		£18,970	£20,430	£21,790

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.



Outdoor Unit Connection Kit		U-32MF3E8 CZ-P1350PJ2BM	U-34MF3E8 CZ-P680PJ2BM & CZ-P1350PJ2BM	U-36MF3E8 CZ-P680PJ2BM & CZ-P1350PJ2BM
PERFORMANCE	Horse Power	32HP	34HP	36HP
	Nominal Cooling	kW 90.0	96.0	101.0
	Nominal Heating	kW 100.0	108.0	113.0
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code *	45.0 - 135.0	48.0 - 144.0	50.5 - 151.5
EFFICIENCY	EER - COP	3.49 - 4.17	4.10 - 4.64	3.90 - 4.48
	SEER	TBC	TBC	TBC
	SCOP	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Number of Modules	2	2	3
	Size of Modules	HP 16HP & 16HP	8HP, 10HP & 16HP	8HP, 12HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 2420	3660	3660
	Depth	mm 1000	1000	1000
	Weight	kg 668	857	881
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 65 - 62	64 - 61	64.5 - 61.5
	Airflow Rate	l/s 7733	11033	11233
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1 1/4" / 1 1/2"	1 1/4" / 1 1/2"	1 1/2" / 1 5/8"
	Liquid Pipe Size	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in 1 1/8" / 1 1/4"	1 1/8" / 1 1/4"	1 1/8" / 1 1/4"
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 16.6	21.9	23.4
	Tonnes CO2 Equivalent	34.66	45.73	48.86
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A TBC	TBC	TBC
	Power Input (Cool - Heat)	kW 25.8 - 24.0	23.4 - 23.3	25.9 - 25.2
	Running Current - Cooling (Per Phase)	A 40.5	36.7	40.2
	Running Current - Heating (Per Phase)	A 38.10	37.00	39.50
	Starting Current	A 4	4	4
Outdoor Unit		£23,100	£25,330	£26,790
Connection Kit		£190	£380	£380
Retail Price		£23,290	£25,710	£27,170

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.



Outdoor Unit Connection Kit		U-38MF3E8 CZ-P680PJ2BM & CZ-P1350PJ2BM	U-40MF3E8 CZ-P680PJ2BM & CZ-P1350PJ2BM	U-42MF3E8 2 x CZ-P1350PJ2BM
PERFORMANCE	Horse Power	38HP	40HP	42HP
	Nominal Cooling	kW 107.0	113.0	118.0
	Nominal Heating	kW 119.0	127.0	132.0
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code *	53.5 - 160.5	56.5 - 169.5	59.0 - 177.0
EFFICIENCY	EER - COP	3.88 - 4.51	3.72 - 4.31	3.72 - 4.36
	SEER	TBC	TBC	TBC
	SCOP	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Number of Modules	3	3	3
	Size of Modules	HP 10HP, 12HP & 16HP	8HP, 16HP & 16HP	10HP, 16HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 3660	3660	3660
	Depth	mm 1000	1000	1000
	Weight	kg 882	929	930
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 65 - 62	65.5 - 62.5	66 - 63
	Airflow Rate	l/s 11400	11233	11400
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in 1 1/4" / 1 1/2"	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 23.4	23.4	23.4
	Tonnes CO2 Equivalent	48.86	48.86	48.86
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A TBC	TBC	TBC
	Power Input (Cool - Heat)	kW 27.6 - 26.4	30.4 - 29.5	31.7 - 30.3
	Running Current - Cooling (Per Phase)	A 43.3	47.7	49.7
	Running Current - Heating (Per Phase)	A 41.40	46.80	48.10
	Starting Current	A 4	5	5
Outdoor Unit		£27,470	£29,650	£30,330
Connection Kit		£380	£380	£380
Retail Price		£27,850	£30,030	£30,710

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.



Outdoor Unit		U-44MF3E8	U-46MF3E8	U-48MF3E8
Connection Kit		2 x CZ-P1350PJ2BM	2 x CZ-P1350PJ2BM	2 x CZ-P1350PJ2BM
PERFORMANCE	Horse Power	44HP	46HP	48HP
	Nominal Cooling	kW 124.0	130.0	135.0
	Nominal Heating	kW 138.0	145.0	150.0
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code *	62.0 - 186.0	65.0 - 195.0	67.5 - 202.5
EFFICIENCY	EER - COP	3.58 - 4.25	3.55 - 4.18	3.49 - 4.17
	SEER	TBC	TBC	TBC
	SCOP	TBC	TBC	TBC
AMBIENT RANGE	Operating Range - Cooling	-10°C to 52°C	-10°C to 52°C	-10°C to 52°C
	Operating Range - Heating	-20°C to 18°C	-20°C to 18°C	-20°C to 18°C
	Operating Range - Simultaneous Op.	-10°C to 24°C	-10°C to 24°C	-10°C to 24°C
PHYSICAL	Number of Modules	3	3	3
	Size of Modules	HP 12HP, 16HP & 16HP	14HP, 16HP & 16HP	16HP, 16HP & 16HP
	Height	mm 1842	1842	1842
	Width	mm 3660	3660	3660
	Depth	mm 1000	1000	1000
	Weight	kg 954	1002	1002
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A) 66.5 - 63.5	66.5 - 63.5	67 - 64
	Airflow Rate	l/s 11600	11600	11600
	Max External Static Pressure	Pa 80	80	80
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1 1/2" / 1 5/8"	1 1/2" / 1 5/8"	1 1/2" / 1 5/8"
	Liquid Pipe Size	in 3/4" / 7/8"	3/4" / 7/8"	3/4" / 7/8"
	Discharge Pipe Size	in 1 1/4" / 1 1/2"	1 1/4" / 1 1/2"	1 1/4" / 1 1/2"
	Balance Pipe	in 1/4"	1/4"	1/4"
	R410A Refrigerant Factory Charge	kg 24.9	24.9	24.9
	Tonnes CO2 Equivalent	51.99	51.99	51.99
POWER	Power Supply	V-Ph-Hz 400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
	Suggested Fuse Size	A TBC	TBC	TBC
	Power Input (Cool - Heat)	kW 34.6 - 32.5	36.6 - 34.7	38.7 - 36
	Running Current - Cooling (Per Phase)	A 53.7	58.1	60.7
	Running Current - Heating (Per Phase)	A 51.00	55.00	57.10
	Starting Current	A 5	6	6
Outdoor Unit		£31,790	£33,150	£34,650
Connection Kit		£380	£380	£380
Retail Price		£32,170	£33,530	£35,030

*In case that Air-to-Water unit is connected, maximum ratio of Air-to-Water unit is 100% and maximum ratio of total indoor unit including Air-to-Water unit becomes 130%.

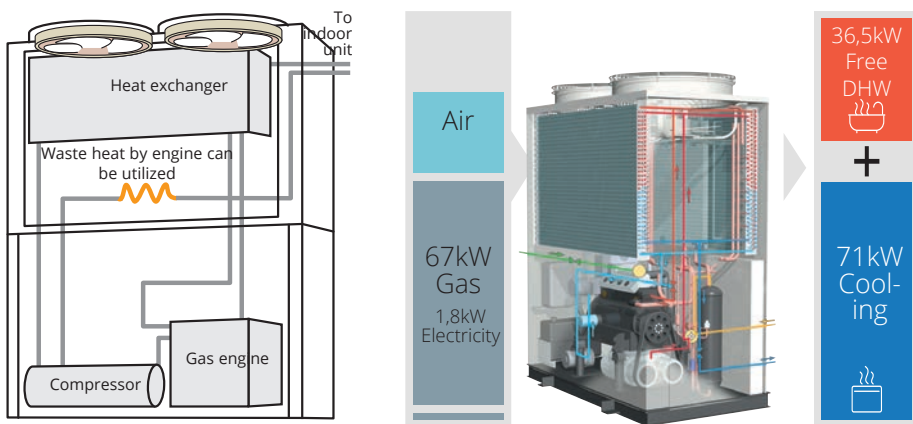


What is GHP, The Gas Heat Pump?

Panasonic Gas Heat Pump is a direct expansion system with compressor the same as VRF system. Gas engine is used as driving source of compressor instead of electric motor. This gas engine compressor drive has 2 advantages:

1. Waste heat from the gas engine available
2. No need for motor power consumption thanks to gas engine

GHP is the natural choice for commercial projects, especially for those projects where power restrictions apply.



* Regarding a 25HP model.

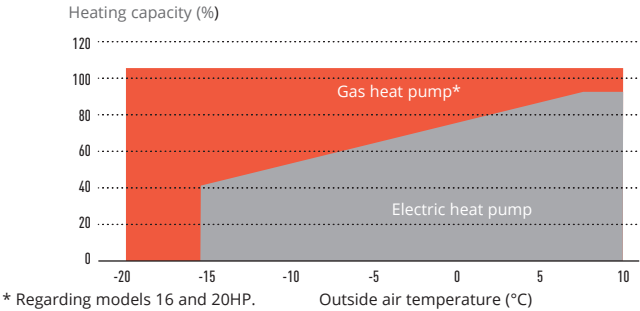
1 Limited electric supply
Electric consumption of ECO G is only 9% compared to ECOi because gas engine is utilized for the compressor driving source.

2 High demand of DHW with heating and cooling cogeneration
DHW is produced effectively thanks to heat from engine exhaust during heating and cooling.

3 Open and flexible design
ECO G system is designed to connect various Indoor units and controllers which is available for ECOi system. With new GE3 series, Pump down system has been also implemented to answer commercial needs.

4 Heating at low ambient temperature up to -20°C
Stable heating capacity has been realized with waste heat recovery from the engine even if outside temperature is quite low.

Comparison of heating capacity

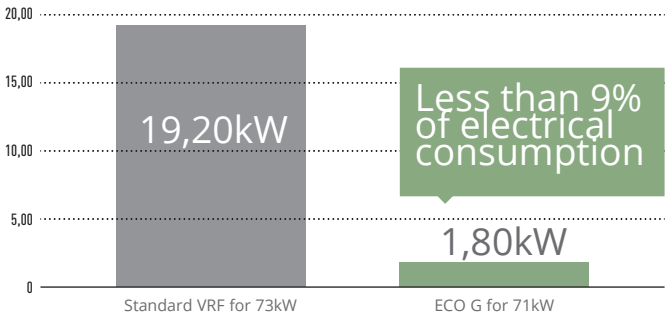


Power Supply Problems?

If you are short of electric power, our ECO G is a perfect solution.

- Runs on natural gas or LPG and just needs single phase supply
- Enables the building's electrical power supply to be used for other critical electrical demands
- Reduces capital cost to upgrade power substations to run heating and cooling systems
- Reduces power loadings within a building especially during peak periods
- Electricity supply freed up for other uses such as IT servers, commercial refrigeration, manufacturing, lighting, etc...

Comparison of electrical consumption on a 71kW outdoor unit.



Application	Condition	ECO G
Hotel	High DHW demand	✓ Energy recovery of ECO G system can fulfill different requirement
Hotel	Needs to warm up swimming pool	✓ Speed of start up is quicker than VRF system
Office	Quick start up is necessary	✓
Winery	1) Outlet water demand at specific temperature 2) Needs high amount of power temporary (not every month)	✓ 1) Chiller application with hydro module (ECO G + WHE) can make this special process 2) Reduced Running Costs as fixed Gas tariff per month is cheaper than fixed electric tariff.
Any building	In a city with power restriction	✓ - No need an additional power transformer - Space and cost can be saved
	At extremely low ambient condition	✓ Heating capacity is kept up to -20°C without defrost process

Outdoor Unit			U-16GE3E5	U-20GE3E5
Connection Kit			NA	NA
PERFORMANCE	Horse Power		16HP	20HP
	Nominal Cooling	kW	45.0	56.0
	Hot Water in Cooling Mode 65°C Outlet	kW	23.6	29.1
	Nominal Heating Standard / Low Temp	kW	50.0 / 53.0	63.0 / 67.0
	Maximum Number of Indoor Units		26	33
EFFICIENCY	Min - Max Connected Capacity Code		TBC	TBC
	SEER - SCOP		TBC	TBC
	Max COP in Hot Water		1.55	1.55
	Gas Consumption - Cooling	kW	41.1	52.1
	Gas Consumption - Heating (St/Low)	kW	38.0 / 45.4	51.1 / 62.7
AMBIENT RANGE	Operating Range - Cooling		-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating		-21°C to 18°C	-21°C to 18°C
	Operating Range - Simultaneous Op.		NA	NA
PHYSICAL	Number of Modules		1	1
	Size of Modules	HP	16HP	20HP
	Height	mm	2255	2255
	Width	mm	1650	1650
	Depth	mm	1000	1000
	Weight	kg	765	765
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A)	80 - 77	80 - 77
	Airflow Rate	l/s	6167	7000
	Max External Static Pressure	Pa	10	10
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	1 1/8"	1 1/8"
	Liquid Pipe Size	in	1/2"	5/8"
	Discharge Pipe Size	in	NA	NA
	Fuel Gas	in	R3/4 Bolt	R3/4 Bolt
	R410A Refrigerant Factory Charge	kg	11.5	11.5
	Tonnes CO2 Equivalent		24.0	24.0
POWER	Power Supply	V-Ph-Hz	230 - 1- 50	230 - 1- 50
	Suggested Fuse Size	A	TBC	TBC
	Power Input (Cool - Heat)	kW	1.17 - 0.56	1.12 - 1.05
	Running Current - Cooling	A	TBC	TBC
	Running Current - Heating	A	TBC	TBC
	Starter Amperes	A	30	30
Outdoor Unit			£27,153	£30,947
Connection Kit			NA	NA
Retail Price			£27,153	£30,947

- 20% of SEER and 10% of SCOP have been improved
- Operating range in heating up to 35°C
- DHW priority setting
- Auto pump down system available
- 0-10V control demand by a connection with 3rd party controllers (CZ-CAPBC2 required)
- Option of DX or chilled water for indoor heat exchange



Outdoor Unit		U-25GE3E5	U-30GE3E5
Connection Kit		NA	NA
PERFORMANCE	Horse Power	25HP	26HP
	Nominal Cooling	71.0	85.0
	Hot Water in Cooling Mode 65°C Outlet	36.4	46.0
	Nominal Heating Standard / Low Temp	80.0 / 78.0	95.0 / 90.0
	Maximum Number of Indoor Units	41	50
Min - Max Connected Capacity Code		TBC	TBC
EFFICIENCY	SEER - SCOP	TBC	TBC
	Max COP in Hot Water	1.49	1.47
	Gas Consumption - Cooling	67.2	84.1
	Gas Consumption - Heating (St/Low)	68.6 / 60.7	75.3 / 73.9
AMBIENT RANGE	Operating Range - Cooling	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	-21°C to 18°C	-21°C to 18°C
	Operating Range - Simultaneous Op.	NA	NA
PHYSICAL	Number of Modules	1	1
	Size of Modules	HP	30HP
	Height	mm	2255
	Width	mm	2026
	Depth	mm	1000
	Weight	kg	870
SOUND & AIRFLOW	Sound Pressure Level (Normal - Silent)	dB(A)	84 - 81
	Airflow Rate	l/s	7667
	Max External Static Pressure	Pa	10
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	1 1/8"
	Liquid Pipe Size	in	5/8"
	Discharge Pipe Size	in	NA
	Fuel Gas	in	R3/4 Bolt
	R410A Refrigerant Factory Charge	kg	11.5
	Tonnes CO2 Equivalent		24.0
POWER	Power Supply	V-Ph-Hz	230 - 1- 50
	Suggested Fuse Size	A	TBC
	Power Input (Cool - Heat)	kW	1.80 - 0.91
	Running Current - Cooling	A	TBC
	Running Current - Heating	A	TBC
	Starter Amperes	A	30
Outdoor Unit		£33,063	£36,950
Connection Kit		NA	NA
Retail Price		£33,063	£36,950

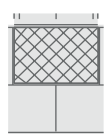
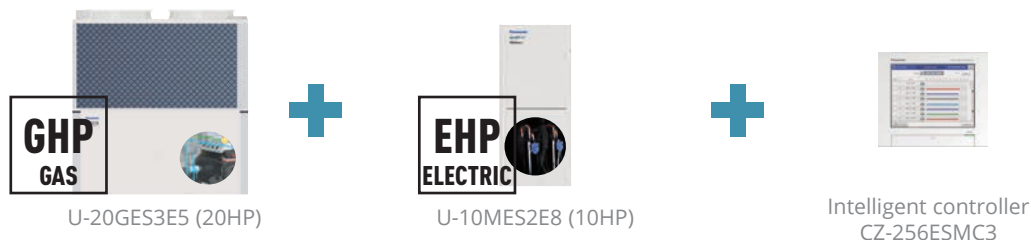
- 20% of SEER and 10% of SCOP have been improved
- Operating range in heating up to 35°C
- DHW priority setting
- Auto pump down system available
- 0-10V control demand by a connection with 3rd party controllers (CZ-CAPBC2 required)
- Option of DX or chilled water for indoor heat exchange

Combined 32, 36, 40, 45, 50, 55
and 60 HP systems available.

Outdoor Unit Connection Kit		U-16GF3E5	U-20GF3E5	U-25GF3E5
		NA	NA	NA
PERFORMANCE	Horse Power	16HP	20HP	25HP
	Nominal Cooling	kW 45.0	56.0	71.0
	Nominal Heating Standard / Low Temp	kW 50.0 / 53.0	63.0 / 67.0	80.0 / 78.0
	Maximum Number of Indoor Units	TBC	TBC	TBC
	Min - Max Connected Capacity Code	TBC	TBC	TBC
EFFICIENCY	Gas Consumption - Cooling	kW 45.8	54.8	73.7
	Gas Consumption - Heating	kW 42.2	51.1	68.6
AMBIENT RANGE	Operating Range - Cooling	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	-21°C to 18°C	-21°C to 18°C	-21°C to 18°C
	Operating Range - Simultaneous Op.	TBC	TBC	TBC
PHYSICAL	Number of Modules	1	1	1
	Size of Modules	HP 16HP	20HP	25HP
	Height	mm 2255	2255	2255
	Width	mm 1650	1650	2026
	Depth	mm 1000	1000	1000
	Weight	kg 775	775	880
SOUND & AIRFLOW	Sound Power	80 / 77	81 / 78	84 / 81
	Airflow Rate	l/s 6167	6667	7667
	Max External Static Pressure	Pa TBC	TBC	TBC
REFRIGERANT & PIPEWORK	Gas Pipe Size***	in 1 1/8"	1 1/8"	1 1/8"
	Liquid Pipe Size***	in 3/4"	3/4"	3/4"
	Discharge Pipe Size	in 7/8"	1 1/8"	1 1/8"
	Fuel Gas	R3/4 Bolt	R3/4 Bolt	R3/4 Bolt
	R410A Refrigerant Factory Charge	kg 11.5	11.5	11.5
	Tonnes CO2 Equivalent	24.0	24.0	24.0
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A TBC	TBC	TBC
	Power Input (Cool - Heat)	kW 1.17 - 0.56	1.40 - 1.05	1.80 - 0.91
	Running Current - Cooling	A TBC	TBC	TBC
	Running Current - Heating	A TBC	TBC	TBC
	Starter Amperes	A 30	30	30
Outdoor Unit		£28,805	£32,005	£34,664
Connection Kit		NA	NA	NA
Retail Price		£28,805	£32,005	£34,664



Take advantage of Gas and Electricity to achieve better energy saving



Master unit GHP

- Load calculation of GHP&EHP
- Operation in accordance with the upper limit setting.
- Individual capacity control
- Device control
- Special control (Defrost, Oil recovery, 4Way-valve matching / Abnormality processing)

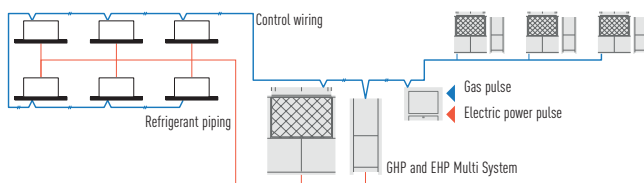


Slave Unit EHP

Intelligent controller

- Demand monitoring
- Indoor/total load calculation
- Operation Ratio Indication upper limit setting of MAP according to:
 - Energy unit price
 - Electric power demand
 - Air conditioning load

Schematic of GHP/EHP Hybrid System



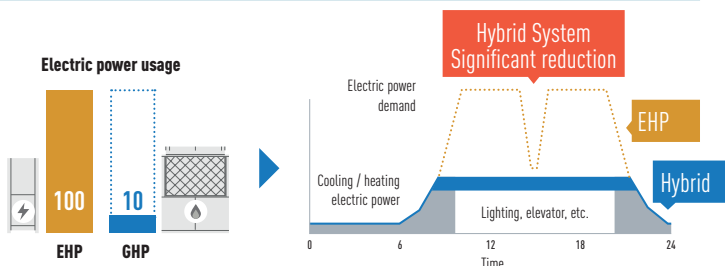
WORLD FIRST!*
UNIFIED REFRIGERANT CYCLE
IN GHP AND EHP

* Introduced as a world first technology by Panasonic in April 2016.

1 Peak cut of electricity consumption

Electrical peak demand is significantly reduced thanks to GHP system consuming less than 10% of electricity of EHP system.

* Example based on tyoical Hotel application.

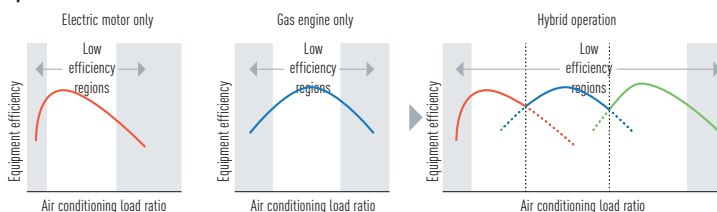


2 Optimal control to maximise energy saving

Switching the operation between GHP and EHP system on the basis of usage, energy demand, part load.

* Specification is tentative.

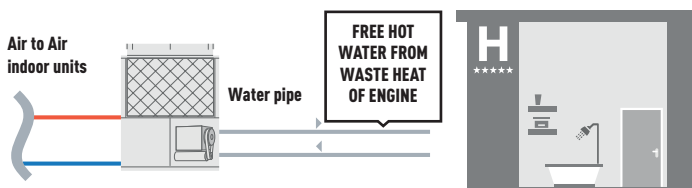
Optional control method



3 Free Hot Water production by GHP system

Hot water is effectively produced from waste heat of engine.

* Specification is tentative.



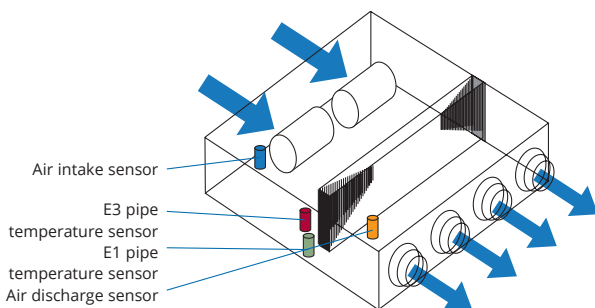
Component		Hybrid GHP	Hybrid EHP
Outdoor Unit		U-20GES3E5	U-10MES2E8
PERFORMANCE	Horse Power	20HP	10HP
	Nominal Cooling	56	28
	Nominal Heating	63	31.5
	Maximum Number of Indoor Units	TBC	TBC
	Min - Max Connected Capacity Code**	TBC	TBC
EFFICIENCY	Operating Range - Cooling	-10°C to 43°C	-10°C to 43°C
	Operating Range - Heating	-21°C to 18°C	-21°C to 18°C
AMBIENT RANGE	Operating Range - Simultaneous Op.	NA	NA
	Number of Modules	1	1
	Size of Modules	20HP	10HP
PHYSICAL	Height	2255	1842
	Width*	1650	770
	Depth	1000	1000
	Weight	765	210
	Sound Pressure	58	56
	Airflow Rate	7000	3733
SOUND & AIRFLOW	Max External Static Pressure**	58	56
	Gas Pipe Size	1 1/8"	7/8"
	Liquid Pipe Size	5/8"	7/8"
REFRIGERANT & PIPEWORK	Discharge Pipe Size	NA	NA
	Balance Pipe	1/4"	1/4"
	R410A Refrigerant Base Charge	11.05	5.6
	Tonnes CO2 Equivalent	23.07	11.69
	Power Supply	230 - 1 - 50	400 - 3 - 50
	Suggested Fuse Size	TBC	TBC
POWER	Power Input (Cool - Heat)	1.12 - 1.05	6.41 - 6.62
	Running Current - Cooling	5.18	10.2
	Running Current - Heating	4.79	10.5
	Starting Current	TBC	TBC
	Retail Price	TBC	TBC
	Starter Amperes	30	30
Outdoor Unit		£32,250	£8,325
Connection Kit		NA	NA
Retail Price		£32,250	£8,325



VRF Indoor Units

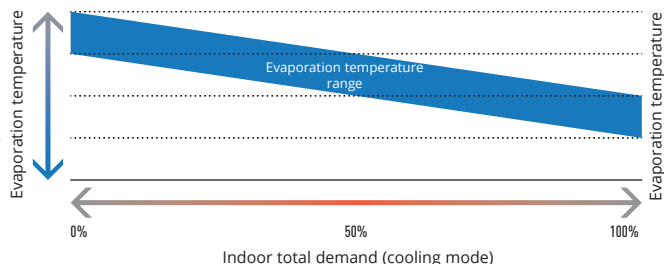
Air discharge temperature control

Available in all VRF indoor units, this control provides excellent comfort. Discharge air at below 10°C is uncomfortable and can cause draughts. With Panasonic air discharge temperature control, air off temperature can be controlled between 7°C - 22°C.

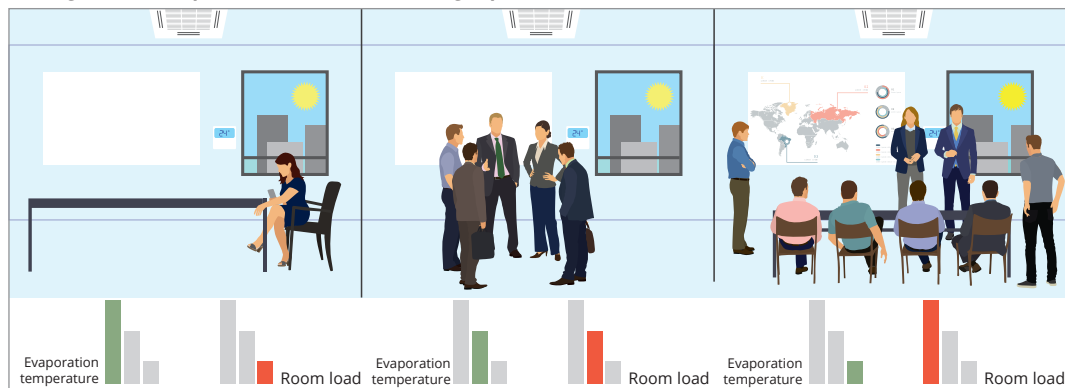


Variable Evaporation Temperature

As a standard Panasonic includes VET in all ECOi series since 2006. This smart control logic is done every 30 minutes and depends directly on real demand and outdoor conditions giving the best performance and adapting really on time and on real needs. Panasonic also includes variable heating temperature function.



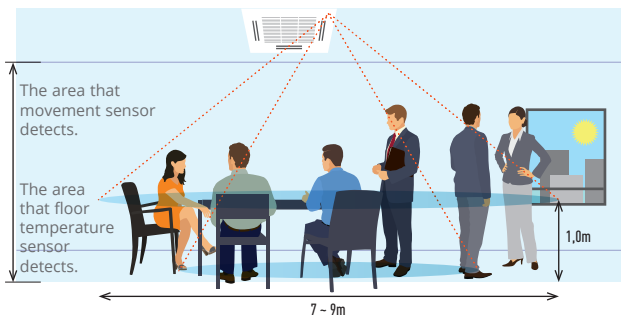
Cooling mode example (function also for heating is possible)



Econavi Intelligent Sensor

Human activity sensor and floor temperature sensor can reduce energy by optimising air conditioner operation.

Advanced Econavi functions 2 sensors (movement and floor temperature) can find waste of energy and control effectively. Floor temperature can detect up to 5m ceiling height.



Page Number	Nominal Cooling kW	1.5	2.2	2.8	3.0	3.6	4.0	4.5	5.6	6.0	7.3	9.0	10.6	14.0	16.0	22.4	28.0
	Nominal Heating kW	1.7	2.5	3.2		4.2		5.0	6.3	7.1	8.0	10.0	11.4	16.0	18.0	25.0	28.0
	Indoor Unit Type	15	22	28	30	36	40	45	56	60	73	90	106	140	160	224	280
	Capacity Code (kW)	1.5	2.2	2.8	3.0	3.6	4.0	4.5	5.6	6.0	7.3	9.0	10.6	14.0	16.0	22.4	28.0
230 - 231	600mm ² Compact Cassette (Y2)	✓	✓	✓		✓		✓	✓								
232 - 235	4 Way Cassette (U2)		✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓		
236 - 237	2 Way Cassette (L1)		✓	✓		✓		✓	✓		✓						
238 - 239	1 Way Cassette (D1)			✓		✓		✓	✓		✓						
240 - 241	Slim Ducted (M1)	✓	✓	✓		✓		✓	✓								
242 - 245	Standard Ducted (F2)	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓		
246 - 247	High Static Ducted (E2)															✓	✓
248 - 249	Wall Mounted (K2)	✓	✓	✓		✓		✓	✓		✓		✓				
250 - 251	Wall Mounted (K1)							✓	✓		✓		✓				
252 - 253	Ceiling Suspended (T2)					✓		✓	✓		✓		✓	✓			
254 - 255	Floor Mounted Cabinet (P1)		✓	✓		✓		✓	✓		✓						
256 - 257	Floor Mounted Cabinet (G1)		✓	✓		✓		✓	✓								
258 - 259	Floor Standing Chassis (R1)		✓	✓		✓		✓	✓		✓						
260 - 261	Hydrokit for ECOi											✓		✓			
262	Heat Recovery with DX Coil				✓		✓	✓									

AHU Connection Kits

		14.0kW	28.0kW	56.0kW	84.0kW	112.0kW	140.0kW	168.0kW
270 - 271	AHU Connection Kit	✓	✓	✓	✓	✓	✓	✓

Key Features

- Mini cassette fits into a 600 x 600mm ceiling grid
- Fresh air knock out - 80mm diameter
- Multi directional airflow
- Powerful drain pump gives 850mm lift from underside of ceiling
- Turbo fans and heat exchanger fins with improved design
- DC-fan motors with variable speed, new heat exchangers, etc. ensure an efficient power consumption



Indoor Unit		S-15MY2E5A	S-22MY2E5A	S-28MY2E5A
Grille		CZ-KPY3AW	CZ-KPY3AW	CZ-KPY3AW
PERFORMANCE	Capacity Code	1.5	2.2	2.8
	Nominal Cooling	kW 1.5	2.2	2.8
	Nominal Heating	kW 1.7	2.5	3.2
PHYSICAL	Height - Unit (Grille)	mm 288 (31)	288 (31)	288 (31)
	Width - Unit (Grille)	mm 583 (700)	583 (700)	583 (700)
	Depth - Unit (Grille)	mm 583 (700)	583 (700)	583 (700)
	Weight - Unit (Grille)	kg 18 (2.4)	18 (2.4)	18 (2.4)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 25 - 31 - 34	25 - 31 - 35	25 - 31 - 35
	Airflow Rate (l-m-h)	l/s 93 - 140 - 93	93 - 140 - 93	93 - 145 - 93
	Fan Type	Centrifugal fan	Centrifugal fan	Centrifugal fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (850mm)	Yes (850mm)	Yes (850mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.035 - 0.030	0.035 - 0.030	0.035 - 0.030
	Running Current - Cool - Heat	A 0.3 - 0.25	0.3 - 0.25	0.3 - 0.3
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£710	£729	£749
Grille		£201	£201	£201
Retail Price		£911	£930	£950



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENS1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2 -
£93



Optional Controller.
Simplified remote
controller CZ-RE2C2 -
£124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-36MY2E5A	S-45MY2E5A	S-56MY2E5A
Grille		CZ-KPY3AW	CZ-KPY3AW	CZ-KPY3AW
PERFORMANCE	Capacity Code	3.6	4.5	5.6
	Nominal Cooling	kW 3.6	4.5	5.6
	Nominal Heating	kW 4.2	5.0	6.3
PHYSICAL	Height - Unit (Grille)	mm 288 (31)	288 (31)	288 (31)
	Width - Unit (Grille)	mm 583 (700)	583 (700)	583 (700)
	Depth - Unit (Grille)	mm 583 (700)	583 (700)	583 (700)
	Weight - Unit (Grille)	kg 18 (2.4)	18 (2.4)	18 (2.4)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 26 - 32 - 36	28 - 34 - 38	34 - 37 - 40
	Airflow Rate (l-m-h)	l/s 100 - 152 - 100	137 - 160 - 137	145 - 163 - 145
	Fan Type	Centrifugal fan	Centrifugal fan	Centrifugal fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (850mm)	Yes (850mm)	Yes (850mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.040 - 0.035	0.040 - 0.035	0.045 - 0.040
	Running Current - Cool - Heat	A 0.3 - 0.3	0.32 - 0.3	0.35 - 0.3
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£768	£832	£921
Grille		£201	£201	£201
Retail Price		£969	£1,033	£1,122



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2 -
£93



Optional Controller.
Simplified remote
controller CZ-RE2C2 -
£124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Powerful drain pump gives 850mm lift from underside of ceiling
- Fresh air knockout - 100mm diameter
- Branch duct connection
- Optional Nanoe™ filtration technology
- Optional air intake plenum CZ-FDU2
- New high performance turbo fan, new path system for heat exchanger
- Optional Econavi: floor temperature and humidity sensor added.



Indoor Unit		S-22MU2E5A	S-28MU2E5A	S-36MU2E5A
Grille		CZ-KPU3	CZ-KPU3	CZ-KPU3
PERFORMANCE	Capacity Code	2.2	2.8	3.6
	Nominal Cooling	2.2	2.8	3.6
	Nominal Heating	2.5	3.2	4.2
PHYSICAL	Height - Unit (Grille)	256 (33.5)	256 (33.5)	256 (33.5)
	Width - Unit (Grille)	840 (950)	840 (950)	840 (950)
	Depth - Unit (Grille)	840 (950)	840 (950)	840 (950)
	Weight - Unit (Grille)	21 (5)	21 (5)	21 (5)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	28 - 29 - 30	28 - 29 - 30	28 - 29 - 30
	Airflow Rate (l-m-h)	192 - 217 - 192	192 - 217 - 192	192 - 217 - 192
	Fan Type	Turbo fan	Turbo fan	Turbo fan
	Static Pressure	NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	1/2"	1/2"	1/2"
	Liquid Pipe Size	1/4"	1/4"	1/4"
	Drain Connection	VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (850mm)	Yes (850mm)	Yes (850mm)
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	5A	5A
	Power Input - Cool - Heat	kW	0.020 - 0.020	0.020 - 0.020
	Running Current - Cool - Heat	A	0.19 - 0.17	0.19 - 0.17
	Starting Current	A	Under 1A	Under 1A
Indoor Unit		£796	£817	£846
Grille		£176	£176	£176
Retail Price		£972	£993	£1,022



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Controller.
Wireless remote
controller
CZ-RWSU3 - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



Optional nanoe™ kit:
CZ-CNEXU1
(CZ-RTC5B is
required)



ECONAVI and INTERNET CONTROL: Optional.

Accessories

Table with 3 columns: Model, Description, Retail. Rows include CZ-KPU3A (Optional Panel with "Econavi" energy saving sensor, £220) and CZ-FDU2 (Air Intake Plenum, £290).

Table with 5 columns: Indoor Unit, Grille, S-45MU2E5A, S-56MU2E5A, S-60MU2E5A. Rows include PERFORMANCE (Capacity Code, Nominal Cooling, Nominal Heating), PHYSICAL (Height, Width, Depth, Weight), SOUND & AIRFLOW (Sound Pressure Level, Airflow Rate, Fan Type, Static Pressure), REFRIGERANT & PIPEWORK (Gas Pipe Size, Liquid Pipe Size, Drain Connection, Internal Lift Pump), POWER (Power Supply, Suggested Fuse Size, Power Input, Running Current, Starting Current), and a summary row for Indoor Unit, Grille, and Retail Price.

Optional Controller. Control for hotel application PAW-RE2C3-WH - £240

Optional Controller. Wired remote controller CZ-RTC5B - £104 Compatible with Econavi

Optional Controller. Wireless remote controller CZ-RWSU3 - £145

Optional Controller. Simplified remote controller CZ-RE2C2 - £124

Optional nanoe™ kit: CZ-CNEXU1 (CZ-RTC5B is required)

Icons for features: INVERTER+, ECONAVI, nanoe, SELF-DIAGNOSING, AUTOMATIC FAN, HUMIDITY CONTROL, MILD DRY, AUTO-FLAP CONTROL, AUTOMATIC RESTART, AIR SWEEP, BUILT-IN DRAIN PUMP, INTERNET CONTROL, BMS, CONNECTIVITY.

ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Powerful drain pump gives 850mm lift from underside of ceiling
- Fresh air knockout - 100mm diameter
- Branch duct connection
- Optional Nanoe™ filtration technology
- Optional air intake plenum CZ-FDU2
- New high performance turbo fan, new path system for heat exchanger
- Optional Econavi: floor temperature and humidity sensor added.



Indoor Unit		S-73MU2E5A	S-90MU2E5A	S-106MU2E5A
Grille		CZ-KPU3	CZ-KPU3	CZ-KPU3
PERFORMANCE	Capacity Code	7.3	9.0	10.6
	Nominal Cooling	kW 7.3	9.0	10.6
	Nominal Heating	kW 8.0	10.0	11.4
PHYSICAL	Height - Unit (Grille)	mm 256 (33.5)	256 (33.5)	319 (33.5)
	Width - Unit (Grille)	mm 840 (950)	840 (950)	840 (950)
	Depth - Unit (Grille)	mm 840 (950)	840 (950)	840 (950)
	Weight - Unit (Grille)	kg 21 (5)	21 (5)	25 (5)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 29 - 32 - 37	32 - 35 - 38	34 - 38 - 44
	Airflow Rate (l-m-h)	l/s 217 - 267 - 217	233 - 308 - 233	333 - 433 - 333
	Fan Type	Turbo fan	Turbo fan	Turbo fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 5/8"	5/8"	5/8"
	Liquid Pipe Size	in 3/8"	3/8"	3/8"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (850mm)	Yes (850mm)	Yes (850mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.040 - 0.040	0.040 - 0.040	0.095 - 0.085
	Running Current - Cool - Heat	A 0.33 - 0.32	0.36 - 0.34	0.71 - 0.65
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£993	£1,098	£1,192
Grille		£176	£176	£176
Retail Price		£1,169	£1,274	£1,368



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Controller.
Wireless remote
controller
CZ-RWSU3 - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



Optional nanoe™ kit:
CZ-CNEXU1
(CZ-RTC5B is
required)



ECONAVI and INTERNET CONTROL: Optional.

Accessories

Table with 3 columns: Model, Description, Retail. Rows include CZ-KPU3A (Optional Panel with "Econavi" energy saving sensor, £220) and CZ-FDU2 (Air Intake Plenum, £290).

Table with 4 columns: Indoor Unit, Grille, S-140MU2E5A CZ-KPU3, S-160MU2E5A CZ-KPU3. Rows include PERFORMANCE (Capacity Code, Nominal Cooling/Heating), PHYSICAL (Height, Width, Depth, Weight), SOUND & AIRFLOW (Sound Pressure Level, Airflow Rate, Fan Type, Static Pressure), REFRIGERANT & PIPEWORK (Gas/Liquid Pipe Size, Drain Connection, Internal Lift Pump), POWER (Power Supply, Fuse Size, Input/Current), and a final row for Indoor Unit, Grille, and Retail Price.

Five product images with descriptions: 1. Optional Controller. Control for hotel application PAW-RE2C3-WH - £240. 2. Optional Controller. Wired remote controller CZ-RTC5B - £104 Compatible with Econavi. 3. Optional Controller. Wireless remote controller CZ-RWSU3 - £145. 4. Optional Controller. Simplified remote controller CZ-RE2C2- £124. 5. Optional nanoe™ kit: CZ-CNEXU1 (CZ-RTC5B is required).

Row of feature icons: INVERTER+, ECONAVI (28%), nanoe (99%), SELF-DIAGNOSING, AUTOMATIC FAN, HUMIDITY CONTROL (MILD DRY), AUTO-FLAP CONTROL, AUTOMATIC RESTART, AIR SWEEP, BUILT-IN DRAIN PUMP, INTERNET CONTROL, BMS CONNECTIVITY.

ECONAVI and INTERNET CONTROL: Optional.

VRF Indoor

Key Features

- Airflow and distribution is automatically altered depending on the operational mode of the unit
- Lift pump as standard, 500mm from the drain port
- Simple maintenance
- Fresh air knockout - 125mm diameter



Indoor Unit		S-22ML1E5	S-28ML1E5	S-36ML1E5
Grille		CZ-02KPL2	CZ-02KPL2	CZ-02KPL2
PERFORMANCE	Capacity Code	2.2	2.8	3.6
	Nominal Cooling	2.2	2.8	3.6
	Nominal Heating	2.5	3.2	4.2
PHYSICAL	Height - Unit (Grille)	350 (8)	350 (8)	350 (8)
	Width - Unit (Grille)	840 (1060)	840 (1060)	840 (1060)
	Depth - Unit (Grille)	600 (680)	600 (680)	600 (680)
	Weight - Unit (Grille)	23 (5.5)	23 (5.5)	23 (5.5)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	24 - 27 - 30	26 - 29 - 33	28 - 31 - 34
	Airflow Rate (l-m-h)	100 - 117 - 100	117 - 133 - 117	128 - 145 - 128
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	1/2"	1/2"	1/2"
	Liquid Pipe Size	1/4"	1/4"	1/4"
	Drain Connection	VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (500mm)	Yes (500mm)	Yes (500mm)
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	5A	5A
	Power Input - Cool - Heat	kW	0.090 - 0.058	0.092 - 0.060
	Running Current - Cool - Heat	A	0.45 - 0.29	0.45 - 0.29
	Starting Current	A	Under 1A	Under 1A
Indoor Unit		£1,009	£1,031	£1,091
Grille		£314	£314	£314
Retail Price		£1,323	£1,345	£1,405



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSL2N - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-45ML1E5	S-56ML1E5	S-73ML1E5
Grille		CZ-02KPL2	CZ-02KPL2	CZ-03KPL2
PERFORMANCE	Capacity Code	4.5	5.6	7.3
	Nominal Cooling	kW 4.5	5.6	7.3
	Nominal Heating	kW 5.0	6.3	8.0
PHYSICAL	Height - Unit (Grille)	mm 350 (8)	350 (8)	350 (8)
	Width - Unit (Grille)	mm 840 (1060)	840 (1060)	1140 (1360)
	Depth - Unit (Grille)	mm 600 (680)	600 (680)	600 (680)
	Weight - Unit (Grille)	kg 23 (5.5)	23 (5.5)	30 (9)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 29 - 33 - 35	29 - 33 - 35	33 - 35 - 38
	Airflow Rate (l-m-h)	l/s 133 - 150 - 133	133 - 150 - 133	233 - 267 - 233
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	5/8"
	Liquid Pipe Size	in 1/4"	1/4"	3/8"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (500mm)	Yes (500mm)	Yes (500mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.097 - 0.065	0.097 - 0.065	0.145 - 0.109
	Running Current - Cool - Heat	A 0.45 - 0.29	0.45 - 0.29	0.65 - 0.48
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£1,260	£1,292	£1,339
Grille		£314	£314	£375
Retail Price		£1,574	£1,606	£1,714



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSL2N - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Ultra-Slim
- Suitable for standard and high ceilings
- Built-in drain pump, 590mm lift from underside of ceiling
- Easy to install and maintain
- Hanging height can be easily adjusted
- Uses a DC-fan motor to improve energy efficiency
- Fresh air knockout - 100mm diameter



Indoor Unit		S-28MD1E5	S-36MD1E5	S-45MD1E5
Grille		CZ-KPD2	CZ-KPD2	CZ-KPD2
PERFORMANCE	Capacity Code	2.8	3.6	4.5
	Nominal Cooling	kW 2.8	3.6	4.5
	Nominal Heating	kW 3.2	4.2	5.0
PHYSICAL	Height - Unit (Grille)	mm 200 (20)	200 (20)	200 (20)
	Width - Unit (Grille)	mm 1000 (1230)	1000 (1230)	1000 (1230)
	Depth - Unit (Grille)	mm 710 (800)	710 (800)	710 (800)
	Weight - Unit (Grille)	kg 21 (5.5)	21 (5.5)	21 (5.5)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 33 - 34 - 36	33 - 34 - 36	34 - 35 - 36
	Airflow Rate (l-m-h)	l/s 150 - 167 - 150	150 - 167 - 150	167 - 183 - 167
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (590mm)	Yes (590mm)	Yes (590mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.051 - 0.040	0.051 - 0.040	0.051 - 0.040
	Running Current - Cool - Heat	A 0.39 - 0.35	0.39 - 0.35	0.39 - 0.35
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£1,097	£1,161	£1,207
Grille		£331	£331	£331
Retail Price		£1,428	£1,492	£1,538



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSD2 - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-56MD1E5	S-73MD1E5
Grille		CZ-KPD2	CZ-KPD2
PERFORMANCE	Capacity Code	5.6	7.3
	Nominal Cooling	5.6	7.3
	Nominal Heating	6.3	8.0
PHYSICAL	Height - Unit (Grille)	200 (20)	200 (20)
	Width - Unit (Grille)	1000 (1230)	1000 (1230)
	Depth - Unit (Grille)	710 (800)	710 (800)
	Weight - Unit (Grille)	21 (5.5)	22 (5.5)
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	34 - 36 - 38	36 - 40 - 45
	Airflow Rate (l-m-h)	167 - 192 - 167	217 - 250 - 217
	Fan Type	Sirocco fan	Sirocco fan
	Static Pressure	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	1/2"	5/8"
	Liquid Pipe Size	1/4"	3/8"
	Drain Connection	VP-25	VP-25
	Internal Lift Pump	Yes (590mm)	Yes (590mm)
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50
	Suggested Fuse Size	A	5A
	Power Input - Cool - Heat	kW	0.060 - 0.048
	Running Current - Cool - Heat	A	0.46 - 0.41
	Starting Current	A	Under 1A
Indoor Unit		£1,236	£1,375
Grille		£331	£331
Retail Price		£1,567	£1,706



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSD2 - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Ultra-slim profile: 200mm for all models
- DC-Fan motor greatly reduces power consumption
- Ideal for hotel application with very narrow false ceilings
- Easy maintenance and service by external electrical box
- Up to 40Pa static pressure enables ductwork to be fitted.
- Includes drain pump, 500mm from drain port



Indoor Unit		S-15MM1E5A	S-22MM1E5A	S-28MM1E5A
PERFORMANCE	Capacity Code	1.5	2.2	2.8
	Nominal Cooling	kW 1.5	2.2	2.8
	Nominal Heating	kW 1.7	2.5	3.2
PHYSICAL	Height	mm 200	200	200
	Width	mm 750	750	750
	Depth	mm 640	640	640
	Weight	kg 19	19	19
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 25 - 27 - 28 (27 - 29 - 30)	25 - 27 - 28 (27 - 29 - 30)	27 - 29 - 30 (29 - 31 - 32)
	Airflow Rate (l-m-h)	l/s 100 - 117 - 100	100 - 117 - 100	108 - 125 - 108
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa 10 (30)	10 (30)	15 (30)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-20	VP-20	VP-20
	Internal Lift Pump	Yes (500mm)	Yes (500mm)	Yes (500mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.036 - 0.026	0.036 - 0.026	0.040 - 0.030
	Running Current - Cool - Heat	A 0.26 - 0.23	0.26 - 0.23	0.3 - 0.27
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£683	£703	£724
Retail Price		£683	£703	£724



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-36MM1E5A	S-45MM1E5A	S-56MM1E5A
PERFORMANCE	Capacity Code	3.6	4.5	5.6
	Nominal Cooling	kW 3.6	4.5	5.6
	Nominal Heating	kW 4.2	5.0	6.3
PHYSICAL	Height	mm 200	200	200
	Width	mm 750	750	750
	Depth	mm 640	640	640
	Weight	kg 19	19	19
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 28 - 30 - 32 (30 - 32 - 34)	30 - 32 - 34 (32 - 34 - 36)	31 - 33 - 35 (32 - 35 - 37)
	Airflow Rate (l-m-h)	l/s 117 - 133 - 117	133 - 158 - 133	167 - 192 - 167
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa 15 (40)	15 (40)	15 (40)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-20	VP-20	VP-20
	Internal Lift Pump	Yes (500mm)	Yes (500mm)	Yes (500mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.042 - 0.032	0.049 - 0.039	0.064 - 0.054
	Running Current - Cool - Heat	A 0.31 - 0.28	0.37 - 0.34	0.48 - 0.45
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£755	£786	£822
Retail Price		£755	£786	£822



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2- £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Industry-leading low sound levels from 25dB(A)
- Easy to install and maintain
- Air OFF sensor avoids cold air dumping
- Configurable air temperature control
- Built-in drain pump provides 785mm lift from underside of the unit
- Filter included as standard



Indoor Unit		S-15MF2E5A	S-22MF2E5A	S-28MF2E5A
PERFORMANCE	Capacity Code	1.5	2.2	2.8
	Nominal Cooling	kW 1.5	2.2	2.8
	Nominal Heating	kW 1.7	2.5	3.2
PHYSICAL	Height	mm 290	290	290
	Width	mm 800	800	800
	Depth	mm 700	700	700
	Weight	kg 29	29	29
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 22 - 29 - 33	22 - 29 - 33	22 - 29 - 33
	Airflow Rate (l-m-h)	l/s 150 - 217 - 150	150 - 217 - 150	150 - 217 - 150
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa 70 (10-150)	70 (10-150)	70 (10-150)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (785mm)	Yes (785mm)	Yes (785mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.070 - 0.070	0.070 - 0.070	0.070 - 0.070
	Running Current - Cool - Heat	A 0.57 - 0.57	0.57 - 0.57	0.57 - 0.57
	Starting Current	A Under 1A	Under 1A	Under 1A
Retail Price		£754	£771	£788



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-36MF2E5A	S-45MF2E5A	S-56MF2E5A
PERFORMANCE	Capacity Code	3.6	4.5	5.6
	Nominal Cooling	kW 3.6	4.5	5.6
	Nominal Heating	kW 4.2	5.0	6.3
PHYSICAL	Height	mm 290	290	290
	Width	mm 800	800	800
	Depth	mm 700	700	700
	Weight	kg 29	29	29
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 22 - 29 - 33	25 - 32 - 34	25 - 32 - 34
	Airflow Rate (l-m-h)	l/s 150 - 217 - 150	167 - 217 - 167	200 - 250 - 200
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa 70 (10-150)	70 (10-150)	70 (10-150)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (785mm)	Yes (785mm)	Yes (785mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.070 - 0.070	0.070 - 0.070	0.100 - 0.100
	Running Current - Cool - Heat	A 0.57 - 0.57	0.57 - 0.57	0.74 - 0.74
	Starting Current	A Under 1A	Under 1A	Under 1A
Retail Price		£846	£886	£922



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Industry-leading low sound levels from 25dB(A)
- Easy to install and maintain
- Air OFF sensor avoids cold air dumping
- Configurable air temperature control
- Built-in drain pump provides 785mm lift from underside of the unit
- Filter included as standard



Indoor Unit		S-60MF2E5A	S-73MF2E5A	S-90MF2E5A
PERFORMANCE	Capacity Code	6.0	7.3	9.0
	Nominal Cooling	kW 6.0	7.3	9.0
	Nominal Heating	kW 7.1	8.0	10.0
PHYSICAL	Height	mm 290	290	290
	Width	mm 1000	1000	1000
	Depth	mm 700	700	700
	Weight	kg 34	34	34
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 26 - 32 - 35	26 - 32 - 35	28 - 34 - 37
	Airflow Rate (l-m-h)	l/s 250 - 317 - 250	250 - 317 - 250	317 - 383 - 317
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa 70 (10-150)	70 (10-150)	70 (10-150)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 5/8"	5/8"	5/8"
	Liquid Pipe Size	in 3/8"	3/8"	3/8"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (785mm)	Yes (785mm)	Yes (785mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.120 - 0.120	0.120 - 0.120	0.135 - 0.135
	Running Current - Cool - Heat	A 0.89 - 0.89	0.89 - 0.89	0.97 - 0.97
	Starting Current	A Under 1A	Under 1A	Under 1A
Retail Price		£1,012	£1,022	£1,096



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-106MF2E5A	S-140MF2E5A	S-160MF2E5A
PERFORMANCE	Capacity Code	10.6	14.0	16.0
	Nominal Cooling	kW 10.6	14.0	16.0
	Nominal Heating	kW 11.4	16.0	18.0
PHYSICAL	Height	mm 290	290	290
	Width	mm 1400	1400	1400
	Depth	mm 700	700	700
	Weight	kg 46	46	46
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 31 - 34 - 38	32 - 35 - 39	33 - 36 - 40
	Airflow Rate (l-m-h)	l/s 350 - 433 - 350	383 - 483 - 383	417 - 533 - 417
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa 100 (10-150)	100 (10-150)	100 (10-150)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 5/8"	5/8"	5/8"
	Liquid Pipe Size	in 3/8"	3/8"	3/8"
	Drain Connection	mm VP-25	VP-25	VP-25
	Internal Lift Pump	Yes (785mm)	Yes (785mm)	Yes (785mm)
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.195 - 0.200	0.215 - 0.210	0.225 - 0.225
	Running Current - Cool - Heat	A 1.3 - 1.34	1.44 - 1.42	1.5 - 1.5
	Starting Current	A Under 1A	Under 1A	Under 1A
Retail Price		£1,204	£1,321	£1,442



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- 100% Fresh air duct function (see next page)
- DC-Fan motor for more savings
- Complete flexibility for ductwork design
- Air OFF sensor avoids cold air dumping
- Configurable air temperature control
- Can be located into a weatherproof housing for external sitting



Indoor Unit		S-224ME2E5	S-280ME2E5
PERFORMANCE	Capacity Code	22.4	28.0
	Nominal Cooling	22.4	28.0
	Nominal Heating	25.0	31.5
PHYSICAL	Height	479	479
	Width	1453	1453
	Depth	1205	1205
	Weight	102	106
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	41 - 43 - 45	43 - 47 - 49
	Airflow Rate (l-m-h)	733 - 850 - 733	883 - 1050 - 883
	Fan Type	Sirocco DC Fan Motor	Sirocco DC Fan Motor
	Static Pressure	140 (60 / 270) ¹	140 (72 / 270) ¹
REFRIGERANT & PIPEWORK	Gas Pipe Size	3/4"	7/8"
	Liquid Pipe Size	3/8"	3/8"
	Drain Connection	VP-25	VP-25
	Internal Lift Pump	No	No
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50
	Suggested Fuse Size	A	5A
	Power Input - Cool - Heat	kW	0.440 - 0.440
	Running Current - Cool - Heat	A	2.45 - 2.45
	Starting Current	A	Under 1A
Indoor Unit		£4,253	£4,568
Retail Price		£4,253	£4,568



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

100% Fresh Air Option

Table with 4 columns: For 2-Pipe systems, Retail, For 3-Pipe systems, Retail. Rows include Rap valve kit (£942), 3-Pipe control PCB (£154), Distribution Joint kit (£90), and Remote control (£150).

Table with 4 columns: Indoor Unit, S-224ME2E5, S-280ME2E5. Rows are categorized by PERFORMANCE, PHYSICAL, SOUND & AIRFLOW, REFRIGERANT & PIPEWORK, and POWER. Includes a final row for Indoor Unit and Retail Price.



Optional Controller. Control for hotel application PAW-RE2C3-WH - £240



Optional Controller. Wired remote controller CZ-RTC5B - £104 Compatible with Econavi



Optional Econavi Sensor. CZ-CENSC1 - £125



Optional Controller. Wireless remote controller CZ-RWSK2 + CZ-RWSC3 - £93 & £75



Optional Controller. Simplified remote controller CZ-RE2C2 - £124

Row of feature icons: Inverter+, Econavi 28%, Self-Diagnosing, Automatic Fan, Automatic Restart, Humidity Control, Mild Dry, Internet Control, and BMS Connectivity.

ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Smooth and durable design
- Closed discharge port
- Lighter and smaller units make the installation easy
- Quiet operation
- Piping outlet in three directions
- Washable front panel
- Air distribution is automatically altered depending on the operational mode



Indoor Unit		S-15MK2E5A	S-22MK2E5A	S-28MK2E5	S-36MK2E5	
PERFORMANCE	Capacity Code		1.5	2.2	2.8	3.6
	Nominal Cooling	kW	1.5	2.2	2.8	3.6
	Nominal Heating	kW	1.7	2.5	3.2	4.2
PHYSICAL	Height	mm	290	290	290	290
	Width	mm	870	870	870	870
	Depth	mm	214	214	214	214
	Weight	kg	9	9	9	9
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A)	29 - 32 - 34	29 - 33 - 36	29 - 34 - 37	29 - 36 - 40
	Airflow Rate (l-m-h)	l/s	113 - 128 - 150	113 - 138 - 153	113 - 142 - 161	113 - 158 - 187
	Fan Type		Cross flow	Cross flow	Cross flow	Cross flow
	Static Pressure	Pa	NA	NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	1/2"	1/2"	1/2"	1/2"
	Liquid Pipe Size	in	1/4"	1/4"	1/4"	1/4"
	Drain Connection	mm	16 OD	16 OD	16 OD	16 OD
	Internal Lift Pump		No	No	No	No
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	5A	5A	5A	5A
	Power Input - Cool - Heat	kW	0.025 - 0.025	0.025 - 0.025	0.025 - 0.025	0.030 - 0.030
	Running Current - Cool - Heat	A	0.2 - 0.2	0.21 - 0.21	0.23 - 0.23	0.25 - 0.25
	Starting Current	A	Under 1A	Under 1A	Under 1A	Under 1A
Indoor Unit		£532	£550	£569	£577	
Retail Price		£532	£550	£569	£577	



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSK2 - £93



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Accessories

Model	Description	Retail
CZ-P56SVK2	External expansion valve for wall mounted units (from 2,2 kW to 5,6 kW)	£155

Indoor Unit		S-45MK2E5A	S-56MK2E5A	S-73MK2E5A	S-106MK2E5A
PERFORMANCE	Capacity Code	4.5	5.6	7.3	10.6
	Nominal Cooling	kW 4.5	5.6	7.3	10.6
	Nominal Heating	kW 5.0	6.3	8.0	11.4
PHYSICAL	Height	mm 302	302	302	302
	Width	mm 1120	1120	1120	1120
	Depth	mm 236	236	236	236
	Weight	kg 13	13	14	14
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 33 - 35 - 38	35 - 37 - 40	40 - 44 - 47	42 - 46 - 49
	Airflow Rate (l-m-h)	l/s 167 - 208 - 242	200 - 233 - 267	233 - 283 - 325	250 - 308 - 358
	Fan Type	Cross Flow	Cross Flow	Cross Flow	Cross Flow
	Static Pressure	Pa NA	NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	5/8"	5/8"
	Liquid Pipe Size	in 1/4"	1/4"	3/8"	3/8"
	Drain Connection	mm TBC	TBC	TBC	TBC
	Internal Lift Pump	No	No	No	No
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A	5A
	Power Input - Cool - Heat	kW 0.030 - 0.030	0.035 - 0.035	0.055 - 0.055	0.080 - 0.080
	Running Current - Cool - Heat	A 0.32 - 0.32	0.35 - 0.35	0.51 - 0.51	0.70 - 0.70
	Starting Current	A Under 1A	Under 1A	Under 1A	Under 1A
Indoor Unit		£662	£703	£834	£932
Retail Price		£662	£703	£834	£932



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSK2 - £93



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Smooth and durable design
- Closed discharge port
- Lighter and smaller units make the installation easy
- Quiet operation
- Piping outlet in three directions
- Washable front panel
- Air distribution is automatically altered depending on the operational mode



Indoor Unit		S-45MK1E5A	S-56MK1E5A
PERFORMANCE	Capacity Code	4.5	5.6
	Nominal Cooling	4.5	5.6
	Nominal Heating	5.0	6.3
PHYSICAL	Height	300	300
	Width	1065	1065
	Depth	30	230
	Weight	13	13
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	30 - 34 - 38	32 - 36 - 40
	Airflow Rate (l-m-h)	142 - 175 - 142	175 - 200 - 175
	Fan Type	Cross flow	Cross flow
	Static Pressure	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	1/2"	1/2"
	Liquid Pipe Size	1/4"	1/4"
	Drain Connection	18 OD	18 OD
	Internal Lift Pump	No	No
POWER	Power Supply	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	5A	5A
	Power Input - Cool - Heat	0.020 - 0.020	0.030 - 0.030
	Running Current - Cool - Heat	0.26 - 0.26	0.35 - 0.35
	Starting Current	Under 1A	Under 1A
Indoor Unit		£662	£703
Retail Price		£662	£703



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSK2 - £93



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Accessories

Model	Description	Retail
CZ-CAPEK2	Integrated control PCB for the MK1 units to connect the solenoid valve kit	£85
CZ-P56SVK2	External expansion valve for wall mounted units (from 2,2 kW to 5,6 kW)	£155
CZ-P160SVK2	External expansion valve for wall mounted units (from 7,3 kW to 10,6 kW)	£197

Indoor Unit		S-73MK1E5A		S-106MK1E5A	
PERFORMANCE	Capacity Code		7.3		10.6
	Nominal Cooling	kW	7.3		10.6
	Nominal Heating	kW	8.0		11.4
PHYSICAL	Height	mm	300		300
	Width	mm	1065		1065
	Depth	mm	230		230
	Weight	kg	14.5		14.5
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A)	40 - 44 - 47		42 - 45 - 49
	Airflow Rate (l-m-h)	l/s	192 - 242 - 192		217 - 275 - 217
	Fan Type		Cross flow		Cross flow
	Static Pressure	Pa	NA		NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	5/8"		5/8"
	Liquid Pipe Size	in	3/8"		3/8"
	Drain Connection	mm	18 OD		18 OD
	Internal Lift Pump		No		No
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50		230 - 1 - 50
	Suggested Fuse Size	A	5A		5A
	Power Input - Cool - Heat	kW	0.057 - 0.057		0.060 - 0.068
	Running Current - Cool - Heat	A	0.58 - 0.58		0.62 - 0.7
	Starting Current	A	Under 1A		Under 1A
Indoor Unit			£834		£932
Retail Price			£834		£932



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWSK2 - £93



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Low sound levels
- New design, all units just 235mm high
- Large and wide air distribution
- Easy to install and maintain
- Fresh air knockout



Indoor Unit		S-36MT2E5A	S-45MT2E5A	S-56MT2E5A
PERFORMANCE	Capacity Code	3.6	4.5	5.6
	Nominal Cooling	3.6	4.5	5.6
	Nominal Heating	4.2	5.0	6.3
PHYSICAL	Height	235	235	235
	Width	960	960	960
	Depth	690	690	690
	Weight	27	27	27
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	30 - 32 - 36	30 - 33 - 37	30 - 33 - 37
	Airflow Rate (l-m-h)	175 - 200 - 175	175 - 208 - 175	175 - 208 - 175
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	1/2"	1/2"	1/2"
	Liquid Pipe Size	1/4"	1/4"	1/4"
	Drain Connection	VP-20	VP-20	VP-20
	Internal Lift Pump	No	No	No
POWER	Power Supply	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	5A	5A	5A
	Power Input - Cool - Heat	0.035 - 0.035	0.040 - 0.040	0.040 - 0.040
	Running Current - Cool - Heat	0.36 - 0.36	0.38 - 0.38	0.38 - 0.38
	Starting Current	Under 1A	Under 1A	Under 1A
Indoor Unit		£1,105	£1,161	£1,217
Retail Price		£1,105	£1,161	£1,217



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWST3N - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-73MT2E5A	S-106MT2E5A	S-140MT2E5A
PERFORMANCE	Capacity Code	7.3	10.6	14.0
	Nominal Cooling	kW 7.3	10.6	14.0
	Nominal Heating	kW 8.0	11.4	16.0
PHYSICAL	Height	mm 235	235	235
	Width	mm 1275	1590	1590
	Depth	mm 690	690	690
	Weight	kg 33	40	40
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 33 - 35 - 39	36 - 37 - 42	37 - 40 - 46
	Airflow Rate (l-m-h)	l/s 258 - 300 - 258	383 - 417 - 383	400 - 467 - 400
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 5/8"	5/8"	5/8"
	Liquid Pipe Size	in 3/8"	3/8"	3/8"
	Drain Connection	mm VP-20	VP-20	VP-20
	Internal Lift Pump	No	No	No
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.055 - 0.055	0.080 - 0.080	0.100 - 0.100
	Running Current - Cool - Heat	A 0.44 - 0.44	0.67 - 0.67	0.79 - 0.79
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£1,271	£1,548	£1,769
Retail Price		£1,271	£1,548	£1,769



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller
CZ-RWST3N - £145



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Easy to install
- Front panel opens fully for easy maintenance
- Removable air discharge grille gives flexible airflow
- Room for condensate pump
- For built-in remote control, only CZ-RTC2 is suitable
- Pipes can be connected to either side of the unit, from the bottom or rear



Indoor Unit		S-22MP1E5	S-28MP1E5	S-36MP1E5
PERFORMANCE	Capacity Code	2.2	2.8	3.6
	Nominal Cooling	kW	2.2	2.8
	Nominal Heating	kW	2.5	3.2
PHYSICAL	Height	mm	615	615
	Width	mm	1065	1065
	Depth	mm	230	230
	Weight	kg	29	29
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A)	28 - 30 - 33	28 - 30 - 33
	Airflow Rate (l-m-h)	l/s	83 - 100 - 83	83 - 100 - 83
	Fan Type		Sirocco fan	Sirocco fan
	Static Pressure	Pa	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	1/2"	1/2"
	Liquid Pipe Size	in	1/4"	1/4"
	Drain Connection	mm	VP-20	VP-20
	Internal Lift Pump		No	No
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	5A	5A
	Power Input - Cool - Heat	kW	0.056 - 0.040	0.056 - 0.040
	Running Current - Cool - Heat	A	0.25 - 0.18	0.25 - 0.18
	Starting Current	A	Under 1A	Under 1A
Indoor Unit		£974	£993	£1,033
Retail Price		£974	£993	£1,033



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-45MP1E5	S-56MP1E5	S-71MP1E5
PERFORMANCE	Capacity Code	4.5	5.6	7.1
	Nominal Cooling	kW 4.5	5.6	7.1
	Nominal Heating	kW 5.0	6.3	8.0
PHYSICAL	Height	mm 615	615	615
	Width	mm 1380	1380	1380
	Depth	mm 230	230	230
	Weight	kg 39	39	39
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 31 - 35 - 38	31 - 36 - 39	35 - 38 - 41
	Airflow Rate (l-m-h)	l/s 133 - 150 - 133	183 - 217 - 183	200 - 233 - 200
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	5/8"
	Liquid Pipe Size	in 1/4"	1/4"	3/8"
	Drain Connection	mm VP-20	VP-20	VP-20
	Internal Lift Pump	No	No	No
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.126 - 0.091	0.126 - 0.091	0.160 - 0.120
	Running Current - Cool - Heat	A 0.56 - 0.41	0.56 - 0.41	0.72 - 0.54
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£1,150	£1,173	£1,212
Retail Price		£1,150	£1,173	£1,212



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Key Features

- Complete with removable filters
- Easy to install
- Pipes can be connected to either side of the unit from the bottom or rear



Indoor Unit		S-22MG1E5A	S-28MG1E5A	S-36MG1E5A
PERFORMANCE	Capacity Code	2.2	2.8	3.6
	Nominal Cooling	kW 2.2	2.8	3.6
	Nominal Heating	kW 2.5	3.2	4.2
PHYSICAL	Height	mm 600	600	600
	Width	mm 750	750	750
	Depth	mm 207	207	207
	Weight	kg 14	14	14
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 29 - 34 - 38	229 - 34 - 38	29 - 35 - 39
	Airflow Rate (l-m-h)	l/s 108 - 133 - 162	108 - 133 - 162	108 - 145 - 170
	Fan Type	Cross Flow	Cross Flow	Cross Flow
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm TBC	TBC	TBC
	Internal Lift Pump	No	No	No
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.018 - 0.018	0.018 - 0.018	0.021 - 0.022
	Running Current - Cool - Heat	A 0.18 - 0.18	0.18 - 0.18	0.21 - 0.22
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		TBC	TBC	TBC
Retail Price		TBC	TBC	TBC



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124

Indoor Unit		S-45MG1E5A	S-56MG1E5A
PERFORMANCE	Capacity Code	4.5	5.6
	Nominal Cooling	4.5	5.6
	Nominal Heating	5	6.3
PHYSICAL	Height	600	600
	Width	750	750
	Depth	207	207
	Weight	14	14
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	30 - 37 - 42	30 - 38 - 44
	Airflow Rate (l-m-h)	117 - 158 - 183	117 - 167 - 208
	Fan Type	Cross Flow	Cross Flow
	Static Pressure	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	1/2"	1/2"
	Liquid Pipe Size	1/4"	1/4"
	Drain Connection	TBC	TBC
	Internal Lift Pump	No	No
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50
	Suggested Fuse Size	A	5A
	Power Input - Cool - Heat	kW	0.023 - 0.024
	Running Current - Cool - Heat	A	0.23 - 0.24
	Starting Current	A	Under 1A
Indoor Unit		TBC	TBC
Retail Price		TBC	TBC



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2- £124

Key Features

- Chassis unit for discreet installation
- Complete with removable filters
- Easy to install
- Pipes can be connected to either side of the unit from the bottom or rear



Indoor Unit		S-22MR1E5	S-28MR1E5	S-36MR1E5
PERFORMANCE	Capacity Code	2.2	2.8	3.6
	Nominal Cooling	kW 2.2	2.8	3.6
	Nominal Heating	kW 2.5	3.2	4.2
PHYSICAL	Height	mm 616	616	616
	Width	mm 904	904	904
	Depth	mm 229	229	229
	Weight	kg 21	21	21
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 28 - 30 - 33	28 - 30 - 33	29 - 35 - 39
	Airflow Rate (l-m-h)	l/s 83 - 100 - 83	83 - 100 - 83	100 - 117 - 100
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	1/2"
	Liquid Pipe Size	in 1/4"	1/4"	1/4"
	Drain Connection	mm VP-20	VP-20	VP-20
	Internal Lift Pump	No	No	No
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.056 - 0.040	0.056 - 0.040	0.085 - 0.070
	Running Current - Cool - Heat	A 0.25 - 0.18	0.25 - 0.18	0.38 - 0.31
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£905	£923	£969
Retail Price		£905	£923	£969



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2 - £124



ECONAVI and INTERNET CONTROL: Optional.

Indoor Unit		S-45MR1E5	S-56MR1E5	S-71MR1E5
PERFORMANCE	Capacity Code	4.5	5.	7.1
	Nominal Cooling	kW 4.5	5.6	7.1
	Nominal Heating	kW 5.0	6.3	8.0
PHYSICAL	Height	mm 616	616	616
	Width	mm 1219	1219	1219
	Depth	mm 229	229	229
	Weight	kg 28	28	28
SOUND & AIRFLOW	Sound Pressure Level (l-m-h)	dB(A) 31 - 35 - 38	31 - 36 - 39	35 - 38 - 41
	Airflow Rate (l-m-h)	l/s 133 - 150 - 133	183 - 217 - 183	200 - 233 - 283
	Fan Type	Sirocco fan	Sirocco fan	Sirocco fan
	Static Pressure	Pa NA	NA	NA
REFRIGERANT & PIPEWORK	Gas Pipe Size	in 1/2"	1/2"	5/8"
	Liquid Pipe Size	in 1/4"	1/4"	3/8"
	Drain Connection	mm VP-20	VP-20	VP-20
	Internal Lift Pump	No	No	No
POWER	Power Supply	V-Ph-Hz 230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A 5A	5A	5A
	Power Input - Cool - Heat	kW 0.126 - 0.091	0.126 - 0.091	0.160 - 0.120
	Running Current - Cool - Heat	A 0.56 - 0.41	0.56 - 0.41	0.72 - 0.54
	Starting Current	A Under 1A	Under 1A	Under 1A
Indoor Unit		£1,063	£1,090	£1,119
Retail Price		£1,063	£1,090	£1,119



Optional Controller.
Control for hotel
application
PAW-RE2C3-WH - £240



Optional Controller.
Wired remote controller
CZ-RTC5B - £104
Compatible with Econavi



Optional Econavi Sensor.
CZ-CENSC1 - £125



Optional Controller.
Wireless remote
controller CZ-RWSK2
+ CZ-RWSC3 - £93 &
£75



Optional Controller.
Simplified remote
controller
CZ-RE2C2- £124



ECONAVI and INTERNET CONTROL: Optional.

Connect the Hydrokit to your VRF system, together with other indoor units.

Technical Focus

- Only with 3-Pipe ECOi MF3 6N Series outdoor units
- Remote controller CZ-RTC5B common use with DX Coil indoor units ECOi and PACi



Basic Principles & Advantages

Hydrokit module provides hot water by using waste heat that is recovered from standard air-conditioning indoor unit in cooling mode.

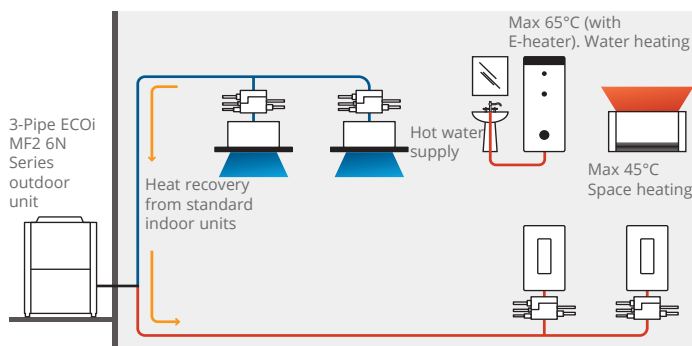
Total system performs high energy efficiency by this heat recovering operation, and it gives an advantage for the environmental-friendly assessment scheme (ex. BREEAM in UK).

Hydrokit Control Function / CZ-RTC5B

- CZ-RTC5B is updated version from CZ-RTC3. It can be used for hydrokit and also normal indoor unit. CZ-RTC5B checks the type of connected unit and switch hydrokit or air conditioner style of display automatically
- Operating mode on hydrokit style to be set at initial setting of the system from following modes: tank mode or air conditioning mode

Overview: Hydrokit Module in VRF System

- Multiple hydrokit module connection in same circuit is available
- Each module can be set different operation mode either hot water supply mode or space heating mode (both operation modes are not able to set at 1 hydrokit module)
- 3-Pipe control solenoid valve kit is necessary for each indoor unit and hydrokit module



* Cold water also available.

Hydrokit Module		S-80MW1E5	S-125MW1E5
PERFORMANCE	Capacity Code	TBC	TBC
	Nominal Cooling	8.0	12.5
	Nominal Heating	9.0	14.0
	Max Temperature	45 (65 with electric heater)	45 (65 with electric heater)
	Connectable system	3-Pipe (heat recovery type) VRF system (system capable up to 48HP)	
PHYSICAL	Maximum Indoor Ratio (Connectable Hydrokit Module Capacity Ratio)	Total indoor unit + Hydrokit capacity: up to 130 % (** ~ **% vs. total outdoor unit capacity)	
	Height	892	892
	Width	502	502
	Depth	353	353
	Weight	TBC	TBC
OPERATING RANGE	Cooling - Ambient	10°C to 43°C	10°C to 43°C
	Heating - Ambient	20°C to 32°C	20°C to 32°C
	Cooling - Water	5°C to 20°C	5°C to 20°C
	Heating - Water	25°C to 45°C	25°C to 45°C
WATER FLOW	Water Flow Rate - Cooling	22.9	35.8
	Water Flow Rate - Heating	25.8	40.1
REFRIGERANT & PIPEWORK	Gas Pipe Size	5/8"	5/8"
	Liquid Pipe Size	3/8"	3/8"
	Water Pipe Connector	R1 1/4	R1 1/4
	Water Pump (Built-In)	DC motor (A class)	DC motor (A class)
	Drain Connection	15 to 17mm (inner size)	15 to 17mm (inner size)
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50
	Suggested Fuse Size	A	TBC
	Power Input Heating (Cool - Heat)	kW	0.04 - 0.05
	Operating Current Heating, Cool-Heat	A	0.28 - 0.36
	Starting Current	A	TBC
Hydrokit Module		£2,500	£3,000
Retail Price		£2,500	£3,000



Optional Controller. Control for hotel application PAW-RE2C3-WH - £240



Optional Controller. Wired remote controller CZ-RTC5B - £104 Compatible with Econavi



Optional Econavi Sensor. CZ-CENSC1 - £125



ECONAVI and INTERNET CONTROL: Optional.

2 Pipe Branch Kits

Model	Description	Retail
CZ-P224BK2BM	Branch pipe (up to 22,4 kW)	£70
CZ-P680BK2BM	Branch pipe (from 22,4 kW to 68 kW)	£90
CZ-P1350BK2BM	Branch pipe (from 68,0 kW to 13,5 kW)	£110
CZ-P4HP4C2BM	4 way header for 2 pipe heat pump	£180
CZ-P680PH2BM	Outdoor connection kit for 2 pipe heat pump (up to 68,0 kW)	£140
CZ-P1350PH2BM	Outdoor connection kit for 2 pipe heat pump (from 68,0 kW to 135,0 kW)	£140

3 Pipe Branch Kits

Model	Description	Retail
CZ-P224BH2BM	Branch pipe (up to 22,4 kW)	£95
CZ-P680BH2BM	Branch pipe (from 22,4 kW to 68 kW)	£150
CZ-P1350BH2BM	Branch pipe (from 68,0 kW to 13,5 kW)	£150
CZ-P4HP3C2BM	4 way header for 3 pipe heat pump	£220
CZ-P680PJ2BM	Outdoor connection kit for 3 pipe heat pump (up to 68,0 kW)	£190
CZ-P1350PJ2BM	Outdoor connection kit for 3 pipe heat pump (from 68,0 kW to 135,0 kW)	£190

3 Pipe Heat Recovery Boxes

Model	Description	Retail
KIT-P56HR3	Box recovery kit (1.5 kW - 5.6 kW)	£432
CZ-P56HR3	Heat recovery box (1.5 kW - 5.6 kW)	£355
CZ-CAPE2	Heat recovery PCB	£77
KIT-P160HR3	Box recovery kit (5,6 kW - 16.0 kW)	£509
CZ-P160HR3	Heat recovery box (5,6 kW - 16.0 kW)	£432
CZ-CAPE2	Heat recovery PCB	£77
CZ-P456HR3	4 ports 3 pipe box (up to 5,6kW)	£2,175
CZ-P656HR3	6 ports 3 pipe box (up to 5,6kW)	£2,985
CZ-P856HR3	8 ports 3 pipe box (up to 5,6kW)	£4,069
CZ-P4160HR3	4 ports 3 pipe box (from 5.6 kW - 10.6 kW per port)	£2,425

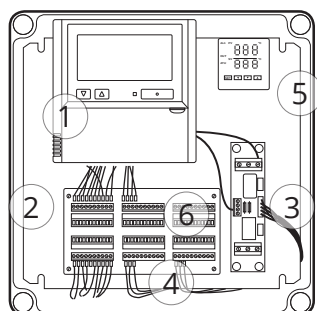
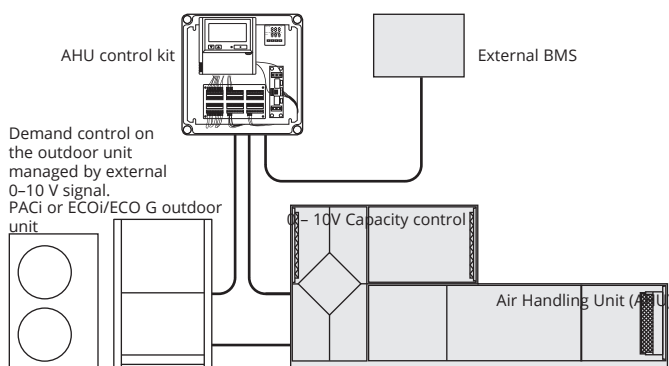


Air Handling & HRV

Panasonic AHU Kit Connected to PACi Outdoor Units

The new Air Handling Unit Kit has been developed to better meet customer demand: IP 65 Box in order to be installed outside, 0-10V demand control* and easy control by BMS

* Only available with Elite PACi, up to from 6kW to 14kW.

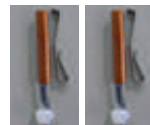


1. Remote control CZ-RTC5B
2. New plastic IP 65 Box
3. PAW-T10 PCB for dry contact
4. 0-10V demand control PCB
5. Intelligent thermostat for:
 - Cold draft prevention
 - Outdoor temperature shift compensation
6. Terminal base for sensors and power supply

AHU Connection Kit



PCB, Power trans, Terminal block



Thermistor x2 (Refrigerant: E1, E2)

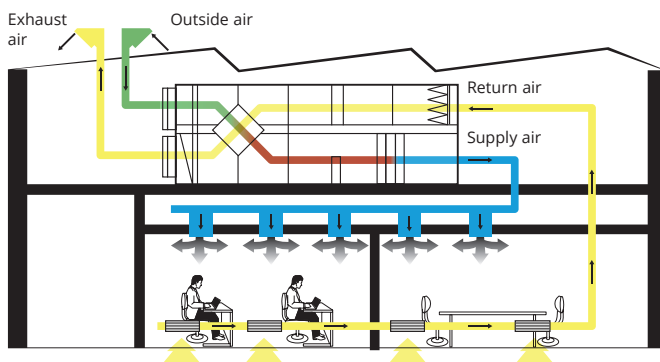


Thermistor (Air: TA; 1 sensor)



Standard wired remote controller.

The main components of a mechanical ventilation system are the following: Air Handling Unit (AHU), air ducts and air distribution elements.



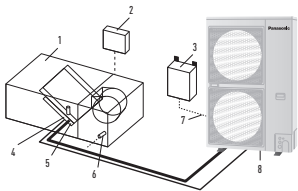
The Panasonic AHU Kits offer a wealth of connectivity possibilities so can be easily integrated into many systems.

Application: Hotels, offices, server rooms or all large buildings where air quality control such as humidity control and fresh air and is needed.

3 types of AHU Kit: Deluxe, Medium and Light

Table with 4 columns: Model Code, IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention. Rows include PAW-280PAH2, PAW-280PAH2M, and PAW-280PAH2L.

* With CZ-CAPBC2.



- System & regulations. System overview
- 1. AHU Kit equipment (Field supplied)
- 2. AHU Kit system controller (Field supplied)
- 3. AHU Kit controller box (with control PCB)
- 4. Thermistor for Gas pipe (E2)
- 5. Thermistor for Liquid pipe (E1)
- 6. Thermistor for Suction air
- 7. Inter-unit wiring
- 8. Outdoor unit

With the 0-10 v demand control the capacity of the outdoor unit can be controlled by 20 steps.

With the included resistance. 0-10V control scheme with 10V= maximum capacity

Table showing demand percentage vs input voltage for the 0-10V control scheme with resistance. Includes values for 0-0.55V and demand percentages up to 115%.

When you remove the resistance. 0-10V control scheme with 10V= Thermo-Off

Table showing demand percentage vs input voltage for the 0-10V control scheme without resistance. Includes values for 0-0.5V and demand percentages up to 115%.

* If a voltage range (0 – 0,5 or 9,5 – 10,0V) is indicated, the applied voltage must be within the given limits. However, if a single value (e.g. 1,0V) is indicated, the applied voltage must be within +/-0,1V of the given value to achieve the assigned demand setting. Examples: "Stop" can be achieved with any analogue input value greater than 0V and less than or equal to 0,5 V; 40% demand can be achieved with any analogue input value greater than or equal to 0,9V and less than or equal to 1,1V etc.

Control option 1: PAW-280PAH2L

- The system's control is simple: control of actual suction temperature vs. set point
- Control works in the same way as that of any indoor unit
- Fan signal issued by the PCB (OFF while defrosting, for instance)

Control option 2: PAW-280PAH2

- System control by probe located at air intake. Sensor works as a 0–10V control thermostat which manages the set point temperature. Control to prevent cold draughts.
- All signals as per standard

Control option 3: PAW-280PAH2

- System control by external environment probe. Sensor works as a 0–10V control thermostat which manages the set point temperature. Enhances efficiency by adjusting capacity to the ambient temperature and enhances comfort as well.
- All signals as per standard

Control option 4: PAW-280PAH2

- System control by a 0–10V control working from an external BMS that manages the set point for the temperature or the capacity. Enhances efficiency by adjusting capacity to the ambient temperature and enhances comfort as well.
- All signals as per standard

AHU PACi Elite	Cooling capacity	Heating capacity	Air volume	Dimensions	Piping length	Elevation difference
	Nominal	Nominal	High / Low	H x B x D	Min / Max	Min / Max
	kW	kW	m³/min	mm	m	m
PAW-280PAH2	6 / 25	7 / 28	8,0 / 74,0	404 x 425 x 78	5 / 30*	10
PAW-280PAH2+PAW-280PAH2	50,0	56,0	38,0 / 148,0	404 x 425 x 78	5 / 30*	10

* For U-200PE2E8A and U-250PE2E8A.

			Air volume	Dimensions	Piping length	Elevation difference (in/out)	Piping connections	
AHU connection kit / System combination			High / Low	H x B x D	Min / Max	Min / Max	Liquid pipe	Gas pipe
Capacity kW	Outdoor unit	AHU	m³/min	mm	m	m	in	in
5,0	U-50PE2E5A	PAW-280PAH2	8,0 / 13,0	404 x 425 x 78	5 / 30	10	1/4	1/2
6,0	U-60PE2E5A	PAW-280PAH2	9,0 / 16,0	404 x 425 x 78	5 / 30	10	3/8	5/8
7,5	U-71PE1E5A/U-71PE1E8A	PAW-280PAH2	12,0 / 25,0	404 x 425 x 78	5 / 30	10	3/8	5/8
10,0	U-100PE1E5A/U-100PE1E8A	PAW-280PAH2	14,0 / 33,0	404 x 425 x 78	5 / 30	10	3/8	5/8
12,5	U-125PE1E8A	PAW-280PAH2	19,0 / 35,0	404 x 425 x 78	5 / 30	10	3/8	5/8
14,0	U-140PE1E8A	PAW-280PAH2	19,0 / 35,0	404 x 425 x 78	5 / 30	10	3/8	5/8
20,0	U-200PE2E8A	PAW-280PAH2	28,0 / 66,0	404 x 425 x 78	5 / 70	10	3/8	1 1/8
25,0	U-250PE2E8A	PAW-280PAH2	38,0 / 74,0	404 x 425 x 78	5 / 70	10	1/2	1 1/8

Outdoor Unit	Air flow rate m³/min																							
	8,00	8,33	9,00	10,00	10,83	11,67	12,00	13,00	13,33	14,00	15,00	16,00	16,67	18,00	19,00	20,00	25,00	26,67	28,00	30,00	33,00	35,00	36,00	38,00
U-50PE2E5A	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-60PE2E5A		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-71PE1E5A/8A			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-100PE1E5A/8A				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-125PE1E5A/8A					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-140PE1E5A/8A						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-200PE2E8A							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U-250PE2E8A								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Standard condition in cooling mode intake air temperature.
Rating Conditions: Cooling Indoor 27°C DB / 19°C WB.

Maximum condition in cooling mode intake air restriction
temperature Min18°C DB / 13°C WB Max 32°C DB / 23°C WB

AHU Kits

Model Number	IP 65	0-10V demand control*	Outdoor temperature shift compensation. Cold draft prevention	Retail Price
PAW-280PAH2	Yes	Yes	Yes	£1,365
PAW-280PAH2M	Yes	Yes	No	£1,160
PAW-280PAH2L	Yes	No	No	£1,036

* With CZ-CAPBC2.

PACi Elite Single Phase Outdoor Units

Outdoor Unit		U-50PE2E5A	U-60PE2E5A	U-71PE1E5A	U-100PE1E5A	U-125PE1E5A	U-140PE1E5A
Nominal Cooling	kW	5.0	6.0	7.1	10.0	12.5	14.0
Nominal Heating	kW	5.6	7.0	8.0	11.2	14.0	16.0
Operating Range - Cooling	°C	-15°C to 46°C					
Operating Range - Heating	°C	-20°C to 24°C					
Height	mm	619	619	996	1416	1416	1416
Width	mm	799	799	940	940	940	940
Depth	mm	299	299	340	340	340	340
Weight	kg	39	40	69	98	98	98
Pipe Sizes (Gas - Liquid)	in	1/2" - 1/4"	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
Pipe Limits (Min - Max Run/Height)	m	3 - 40 / 30	3 - 40 / 30	5 - 50 / 30	5 - 75 / 30	5 - 75 / 30	5 - 75 / 30
Pre-Charged For	m	30	30	30	30	30	30
R410A Charge (Factory - Additional)	kg - g/m	1,40 - 20	1,95 - 40	2,35 - 50	3,40 - 50	3,40 - 50	3,40 - 50
GWP		2.9232	4.0716	4.9068	7.0992	7.0992	7.0992
Power Supply (Outdoor)	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Suggested Fuse Size	A	20	25	25	25	32	32
Outdoor Unit		£1,101	£1,365	£1,490	£1,984	£2,150	£2,510

PACi Elite Three Phase Outdoor Units

Outdoor Unit		U-71PE1E8A	U-100PE1E8A	U-125PE1E8A	U-140PE1E8A	U-200PE2E8A	U-250PE2E8A
Nominal Cooling	kW	7.1	10.0	12.5	14.0	19.50	25.00
Nominal Heating	kW	8.0	11.2	14.0	16.0	22.40	28.00
Operating Range - Cooling	°C	-15°C to 46°C					
Operating Range - Heating	°C	-20°C to 24°C					
Height	mm	996	1416	1416	1416	1500	1500
Width	mm	940	940	940	940	980	980
Depth	mm	340	340	340	340	370	370
Weight	kg	71	98	98	98	127	127
Pipe Sizes (Gas - Liquid)	in	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"	1 1/8" - 3/8"	1 1/8" - 1/2"
Pipe Limits (Min - Max Run/Height)	m	5 - 50 / 30	5 - 75 / 30	5 - 75 / 30	5 - 75 / 30	5 - 120 / 30	5 - 120 / 30
Pre-Charged For	m	30	30	30	30	30	30
R410A Charge (Factory - Additional)	kg - g/m	2,35 - 50	3,40 - 50	3,40 - 50	3,40 - 50	5,3 - 50	5,3 - 80
GWP		4.9068	7.0992	7.0992	7.0992	11.0664	11.0664
Power Supply (Outdoor)	V-Ph-Hz	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50	400 - 3 - 50
Suggested Fuse Size	A	16 Per Phase	16 Per Phase	16 Per Phase	16 Per Phase	16 Per Phase	20 Per Phase
Outdoor Unit		£1,535	£2,016	£2,247	£2,778	£2,807	£3,208

Panasonic AHU Kit, 16-56kW connected to ECOi or ECO G VRF Systems

- Maximum capacity/system: 60HP (168kW)
- Maximum piping length: 100m (120m equivalent)
- Elevation difference (indoor unit / indoor unit): 4m
- In/Out capacity ratio: 50~100%
- Maximum indoor unit number: 3 units*
- Outdoor temperature range in heating: -20 ~ +15°C
- Available temperature range for the suction air at AHU Kit:
cool: +18 ~ +32°C / heat: +16 ~ +30°C

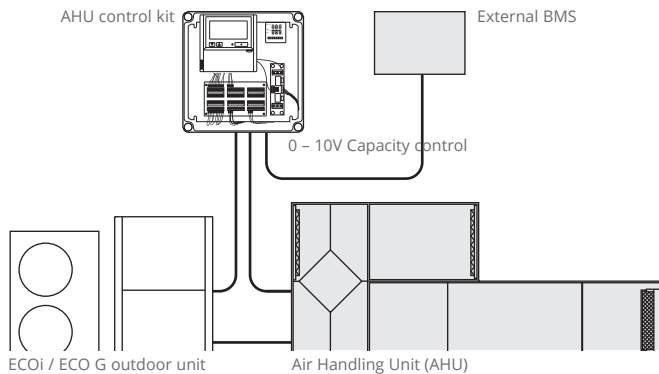
* To be simultaneous operation controlled by one remote controller sensor.



PCB, Transformer, Solenoid Control Valve, Thermistor x 4 pcs, Terminal Base and Electrical Component Box.

With GHP Outdoor Units

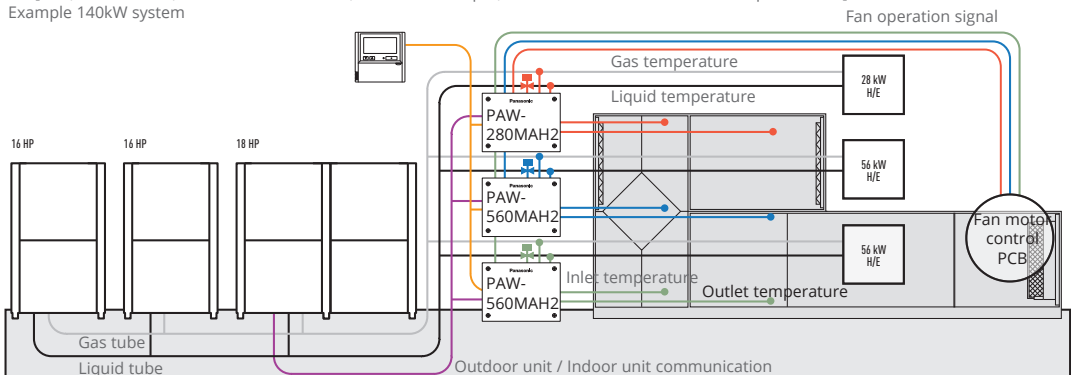
- One AHU kit may be used for one GHP unit (2-Pipe, 56kW). Multiple AHU kits cannot be used
- Mixed with standard indoor units is not allowed
- Power specifications are Single Phase 220V to 240V



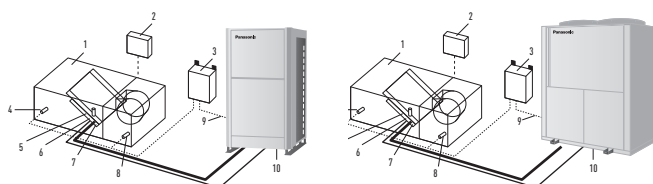
Demand control on the outdoor unit managed by external 0-10 V signal.

System example for large capacity (more than 56kW)

3 x [PCB, Transformer, Solenoid Control Valve, Thermistor x 4 pcs, Terminal Base and Electrical Component Box].
Example 140kW system



- The systems is controlled by the suction air (or room return air) temperature (same as standard indoor unit). (Selectable mode: Automatic / Cooling / Heating / Fan / Dry (but same as Cool)
- The discharge air temperature is also controlled to prevent too-low air discharge in cooling or too-high air discharge in heating (in case of VRF)
- Demand control (Forcible thermostat-OFF control by operating current)
- Defrost operation signal, Thermo-ON/OFF states output
- Drain pump control (Drain-pump and the float switch to be supplied locally)
- External target temperature setting via Indoor/Outdoor signal interface is available with CZ-CAPBC2 (Ex. 0 – 10V)
- Demand control 40% to 120% (5% steps) by 0-10V input signal
- Connectable with P-Link system. Special care for electrical noise may be necessary depending on the on-side system
- Fan control signal from the PCB can be used for control the air volume (high/mid/low and LL for Th-OFF). Need to change the fan control circuit wiring at field



System & regulations. System overview

1. AHU Unit equipment (field supplied)
2. AHU Unit system controller field supplied)
3. AHU Kit controller box (with control PCB)
4. Thermistor for discharge air
5. Electronic expansion valve
6. Thermistor for gas pipe (E3)
7. Thermistor for liquid pipe (E1)
8. Thermistor for suction air
9. Inter-unit wiring
10. Outdoor unit

Optional parts: Following functions are available by using different control accessories:

CZ-RTC5B Timer remote controller £104

- Operation-ON/OFF
- Mode select
- Temperature setting

* Fan operation signal can be taken from the PCB.

CZ-T10 terminal £40

- Input signal= Operation ON/OFF
- Remote controller prohibition
- Output signal= Operating-ON status
- Alarm output (by DC12V)

PAW-OCT, DC12 V outlet. OPTION terminal £40

- Output signal= Cooling/Heating/Fan status
- Defrost
- Thermostat-ON

CZ-CAPBC2 Mini seri-para I/O unit £155

- Demand control 40% to 120% (5% steps) by 0-10V input signal
- Temperature setting by 0-10V or 0-140 Ω input signal
- Room (inlet air) temp outlet by 4-20mA
- Mode select or/and ON/OFF control
- Fan operation control
- Operation status output/ Alarm output
- Thermostat ON/OFF control

PAW-T10 PCB to connect to T10 connector £84

- A Dry contact PCB has been developed to easily control the unit
- Input signal operation ON/OFF
- Remote control prohibition
- Output signal Operation ON status maximum 230V 5A (NO/NC)
- Output signal alarm status max. 230 V 5 A (NO/NC)
- Additional available contacts:
 - External humidifier control (ON/OFF) 230 VAC 3A
 - External fan control (ON/OFF) 12V DC
 - External filter status signal potential free
 - External float switch signal potential free
 - External leakage detection sensor or TH. OFF contact potential free (possible usage for external blow out temperature control)

VRF - AHU Connection Kit 5HP to 30HP

			5HP	10HP	20HP	30HP
Interface 1			PAW-160MAH2/M/L	PAW-280MAH2/M/L	PAW-560MAH2/M/L	PAW-280MAH2/M/L
Interface 2			NA	NA	NA	PAW-560MAH2/M/L
Interface 3			NA	NA	NA	NA
PERFORMANCE	Nominal Cooling	kW	14	28.0	56.0	84.0
	Nominal Heating	kW	16	31.5	63.0	95.0
PHYSICAL	Height	mm	303	404	404	404
	Width	mm	232	425	425	425
	Depth	mm	110	78	78	78
	Weight	kg	3.2	6.3	6.3	6.3
OPERATING RANGE	Intake Temp of AHU Kit - Cooling	°C	18°C to 32°C (13°C to 23°C)	18°C to 32°C (13°C to 23°C)	18°C to 32°C (13°C to 23°C)	18°C to 32°C (13°C to 23°C)
	Intake Temp of AHU Kit - Heating	°C	16°C to 30°C	16°C to 30°C	16°C to 30°C	16°C to 30°C
	Ambient Temp of Outdoor Unit - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Ambient Temp of Outdoor Unit - Heating	°C	-20°C to 15°C	-20°C to 15°C	-20°C to 15°C	-20°C to 15°C
AIR FLOW	High	m3/hr	2,600	5,000	10,000	15,000
	Low	m3/hr	1,140	3,500	7,000	10,500
	Bypass Factor		0,9 (recommended)	0,9 (recommended)	0,9 (recommended)	0,9 (recommended)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	5/8"	7/8"	1 1/8"	1 1/4"
	Liquid Pipe Size	in	3/8"	3/8"	5/8"	3/4"
	Pipe Length (Min - Max)	m	10 / 100	10 / 100	10 / 100	10 / 100
	Elevation Difference (in / out)	m	10	10	10	10
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	5	5	5	5

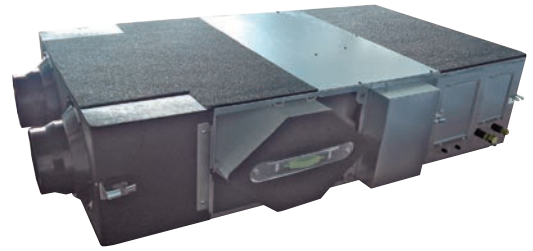
AHU connection kit / System combination

Capacity (HP)	Outdoor unit combination			AHU kit combination		
28kW (10HP)	U-10ME2E81			PAW-280MAH2		
56kW (20HP)	U-20ME2E81 OR U-20GE3E5			PAW-560MAH2		
84kW (30HP)	U-16ME2E81	U-14ME2E81		PAW-560MAH2	PAW-280MAH2	
112kW (40HP)	U-20ME2E81	U-20ME2E81		PAW-560MAH2	PAW-560MAH2	
140kW (50HP)	U-18ME2E81	U-16ME2E81	U-16ME2E81	PAW-560MAH2	PAW-560MAH2	PAW-280MAH2
168kW (60HP)	U-20ME2E81	U-20ME2E81	U-20ME2E81	PAW-560MAH2	PAW-560MAH2	PAW-560MAH2

VRF - AHU Connection Kit 40HP to 60HP

			40HP	50HP	60HP
		Interface 1	PAW-560MAH2/M/L	PAW-560MAH2/M/L	PAW-560MAH2/M/L
		Interface 2	PAW-560MAH2/M/L	PAW-560MAH2/M/L	PAW-560MAH2/M/L
		Interface 3	NA	PAW-280MAH2/M/L	PAW-560MAH2/M/L
PERFORMANCE	Nominal Cooling	kW	112.0	140.0	168.0
	Nominal Heating	kW	127.0	155.0	189.0
PHYSICAL	Height	mm	404	404	404
	Width	mm	425	425	425
	Depth	mm	78	78	78
	Weight	kg	6.3	6.3	6.3
OPERATING RANGE	Intake Temp of AHU Kit - Cooling	°C	18°C to 32°C (13°C to 23°C)	18°C to 32°C (13°C to 23°C)	18°C to 32°C (13°C to 23°C)
	Intake Temp of AHU Kit - Heating	°C	16°C to 30°C	16°C to 30°C	16°C to 30°C
	Ambient Temp of Outdoor Unit - Cooling	°C	-10°C to 43°C	-10°C to 43°C	-10°C to 43°C
	Ambient Temp of Outdoor Unit - Heating	°C	-20°C to 15°C	-20°C to 15°C	-20°C to 15°C
AIR FLOW	High	m3/hr	20,000	25,000	30,000
	Low	m3/hr	14,000	17,500	21,000
	Bypass Factor		0,9 (recommended)	0,9 (recommended)	0,9 (recommended)
REFRIGERANT & PIPEWORK	Gas Pipe Size	in	1 1/2"	1 1/2"	1 1/2"
	Liquid Pipe Size	in	3/4"	3/4"	3/4"
	Pipe Length (Min - Max)	m	10 / 100	10 / 100	10 / 100
	Elevation Difference (in / out)	m	10	10	10
POWER	Power Supply	V-Ph-Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
	Suggested Fuse Size	A	5	5	5

Model	Version	Description	Retail
PAW-160MAH2	Delux	16,0 kW Kit to enable use with 3rd party air handler or chiller	£1,456
PAW-280MAH2		28,0 kW Kit to enable use with 3rd party air handler or chiller	£1,590
PAW-560MAH2		56,0 kW Kit to enable use with 3rd party air handler or chiller	£1,680
PAW-160MAH2M	Medium	16,0 kW Kit to enable use with 3rd party air handler or chiller	£1,310
PAW-280MAH2M		28,0 kW Kit to enable use with 3rd party air handler or chiller	£1,431
PAW-560MAH2M		56,0 kW Kit to enable use with 3rd party air handler or chiller	£1,596
PAW-160MAH2L	Light	16,0 kW Kit to enable use with 3rd party air handler or chiller	£1,170
PAW-280MAH2L		28,0 kW Kit to enable use with 3rd party air handler or chiller	£1,294
PAW-560MAH2L		56,0 kW Kit to enable use with 3rd party air handler or chiller	£1,500

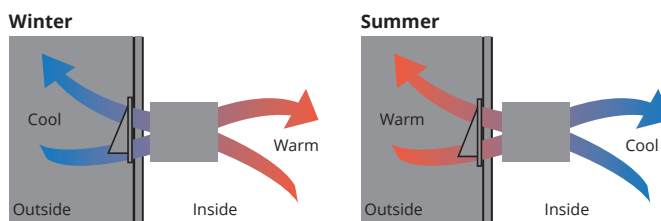


This ventilation unit is connected to an ECOi indoor unit (3,0kW, 4,0kW or 4,5kW) and can be controlled by the easy-to-use ECOi remote controller CZ-RTC5B.

This capability makes the system an excellent choice for hotels, offices (large and small), educational settings and other buildings requiring different temperatures in multiple rooms. The system also integrates easily with building management systems.

- Motorised heat recovery by-pass device automatically controlled by unit control to use fresh air free-cooling when convenient
- Galvanized steel self-supporting panels, internally and externally insulated
- Counter flow air-to-air heat recovery device, made of sheets of special paper with special sealing to keep airflows separate and only permeable to water vapour. Total heat exchange with temperature efficiency up to 77% and enthalpy efficiency up to 63%, also at high level during summer season
- G4 efficiency class filters with synthetic cleanable media, both on fresh air and return air intake
- Removable side panel to access filters and heat recovery in the event of scheduled maintenance
- Low consumption, high efficiency & low noise direct driven fans with 3-speed EC motors
- Supply section complete with DX Coil (R410A) fitted with solenoid control valve, freon filter, contact temperature sensors on liquid and gas line, NTC sensors upstream and downstream airflow
- Built-in electric box equipped with PCB to control internal fan speed and to interconnect outdoor/indoor units
- Duct connection by circular plastic collars
- CZ-RTC5B Timer remote controller (option)

Balanced Ventilation



Model		PAW-500ZDX3N		PAW-800ZDX3N		PAW-01KZDX3N	
DX COIL		Cooling	Heating	Cooling	Heating	Cooling	Heating
Total Capacity	KW	3	2.5	5.1	4.4	5.8	5.2
Sensible Cooling Capacity	kW	2.1	—	3.5	—	4.1	—
Off Temperature	°C	15.9	28.0 (27.3)	15.5	29.6 (29.0)	16.2	28.5 (27.8)
Off Relative Humidity	%	90	16 (15)	90	14 (13)	89	15 (14)
HEAT RECOVERY		Summer mode	Winter mode	Summer mode	Winter mode	Summer mode	Winter mode
Temperature Efficiency	%	76	76	76	76	76	76
Enthalpy Efficiency	%	63	67	63	65	60	62
Saved power	kW	1.7	4.3 (4.8)	2.5	6.5 (7.3)	3.2	8.2 (9.0)
Air Volume	m³/min	8.33		13.3		16.7	
External Static Pressure ¹	Pa	90		120		115	
Sound Pressure Level	dB(A)	39		42		43	
Pipe Size - Gas	in	1/2"		1/2"		1/2"	
Pipe Size - Liquid	in	1/4"		1/4"		1/4"	
Power Supply	V-Ph-Hz	230 - 1 - 50		230 - 1 - 50		230 - 1 - 50	
Maximum Current	A	2.0		2.8		3.0	
Maximum Input Power	kW	0.150		0.320		0.390	
Retail Price		£3,006		£3,706		£4,320	

Nominal summer conditions: Outside air: 32°C DB, RH 50%. Ambient air: 26°C DB, RH 50%. Nominal winter conditions: Outside air: -5°C (-10°C) DB, RH 80%. Ambient air: 20°C DB, RH 50%. Cooling mode air inlet condition: 28.5°C DB, RH 50%; evaporating temp. 4°C. Heating mode air inlet condition: 13°C DB, RH 40% (11°C DB, RH 45%); condensating temperature 49°C. DB: Dry Bulb; RH: Relative Humidity.
1) Referred to the nominal airflow after filter and plate heat exchanger. 3) Referred to 1,5m from inlet in free field condition.



Optional Controller.
Wired remote controller CZ-RTC5B
Compatible with Econavi - £104



INTERNET CONTROL: Optional.

Energy Efficiency

Energy consumption is dramatically reduced by using a counter-flow heat-exchange element. Air conditioning load is reduced by approximately 20%, resulting in significant energy savings.



Features and Benefits

- High energy saving, up to 20%
- Counter Cross Flow technology for better efficiency
- Long life element core
- Easy installation
- Easy connection to air conditioning units
- Super quiet units

Energy Efficiency

- Up to 20% energy saving in the installation
- Recovers up to 77% of the heat in the outgoing air

Comfort

- Cleaning reduced due to the revolutionary structure (every 6 months)
- Ideal for indoor spaces without windows

Easy Installation and Maintenance

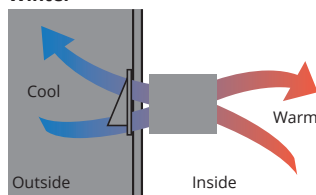
- 6 models for easier selection
- Reduced system height (270mm and 388mm)
- Side opening for cleaning (inspection of filter, motor and other parts)
- Installation can be reversed to share an inspection opening between 2 machines
- Easy connection to the air conditioning unit (without additional elements)
- Installation in false ceilings
- Units operate at 220 - 240V
- High static pressure for easier installation

Healthy Air

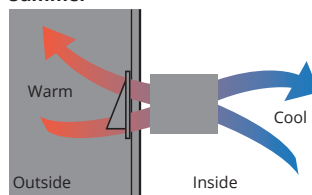
- The filter guarantees healthier air

Balanced Ventilation

Winter

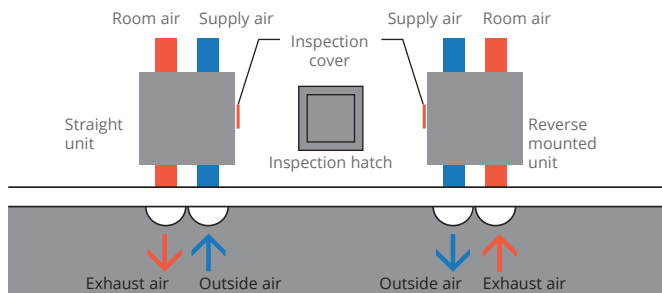


Summer



Reverse Mountable Direct Air Supply / Exhaust System

Adoption of straight air supply / exhaust system: Duct design is simplified because the air supply / exhaust ducts are straight. Since each unit can be mounted in reverse position, only one inspection hole is needed for two units:



Heat Exchange Ventilation & Normal Ventilation

Energy-saving ventilation can be achieved through the proper use of heat-exchange ventilation and normal ventilation.

Heat Exchange Ventilation

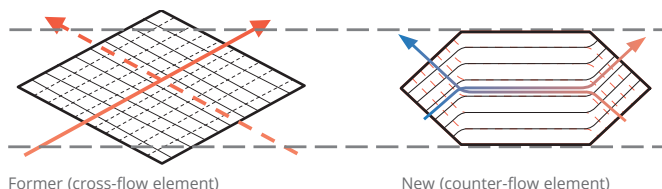
When a room is cooled or heated, the exhausted cooling / heating energy is recovered by heat-exchange ventilation.

Normal Ventilation

This is used in the spring and autumn, when rooms are not cooled or heated, that is, when there is little difference between the indoor and outdoor air conditions. In addition, at night during the hot season, when the outside air temperature drops the outside air is drawn inside without heat exchange, alleviating the load on the air conditioning equipment. The heat exchanger is made up of a membrane manufactured from a special material covered in resin for optimal heat transmission. The nylon/polyester fibre filter offers high dust retention capacity. We have also redesigned the air ducts to obtain a long-lasting heat exchange system which does not need periodic cleaning.

Heat exchanger

With the cross-flow element, air moves in a straight line across the element. With the counter-flow element, airflows through the element for a longer time (longer distance), so the heat-exchange effect remains unchanged even if the element is made thinner.





Includes remote controller

Rated flow rate		250m³/h	350m³/h	500m³/h
Models		FY-250ZDY8R	FY-350ZDY8R	FY-500ZDY8R
Heat Exchange Ventilation				
Air Volume L -H-ExH	m³/h	190 - 250 - 250	240 - 350 - 350	440 - 500 - 500
Air Volume L -H-ExH	l/s	53 - 69 - 69	67 - 97 - 97	122 - 138 - 138
External Static Pressure L-H-Ex H	Pa	45 - 95 - 105	45 - 60 - 140	35 - 60 - 120
Sound Power Level	dB	26.5 - 30.5 - 31.5	25.5 - 31.0 - 33.0	32.5 - 35.5 - 37.5
Power Input	W	96 - 123 - 128	168 - 185 - 190	185 - 225 - 289
Temp. exchange efficiency	%	77 - 75 - 75	78 - 75 - 75	76 - 75 - 75
Normal Ventilation				
Air Volume L -H-ExH	m³/h	190 - 250 - 250	240 - 350 - 350	440 - 500 - 500
Air Volume L -H-ExH	l/s	53 - 69 - 69	67 - 97 - 97	122 - 138 - 138
External Static Pressure L-H-Ex H	Pa	45 - 95 - 105	45 - 60 - 140	35 - 60 - 120
Sound Power Level	dB	26.5 - 30.5 - 31.5	25.5 - 31.0 - 33.0	32.5 - 38.0 - 38.5
Power Input	W	96 - 123 - 128	168 - 185 - 190	185 - 225 - 289
Temp. exchange efficiency	%	NA	NA	NA
Height	mm	270	317	317
Width	mm	882	1050	1090
Depth	mm	599	804	904
Duct Diameter	mm	150	150	200
Weight	kg	29	49	57
Power Supply	V - Ph- Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Retail Price		£994	£1,220	£1,510



Includes remote controller

Rated flow rate		800m³/h	1000m³/h
Models		FY-800ZDY8R	FY-01KZDY8R
Heat Exchange Ventilation			
Air Volume L -H-ExH	m³/h	630 - 800 - 800	700 - 1000 - 1000
Air Volume L -H-ExH	l/s	175 - 222 - 222	194 - 278 - 278
External Static Pressure L-H-Ex H	Pa	55 - 110 - 140	75 - 80 - 105
Sound Power Level	dB	34.5 - 37.0 - 37.5	34.5 - 37.5 - 38.5
Power Input	W	295 - 378 - 418	311 - 432 - 464
Temp. exchange efficiency	%	76 - 75 - 75	79 - 75 - 75
Normal Ventilation			
Air Volume L -H-ExH	m³/h	630 - 800 - 800	700 - 1000 - 1000
Air Volume L -H-ExH	l/s	175 - 222 - 222	194 - 278 - 278
External Static Pressure L-H-Ex H	Pa	55 - 110 - 140	75 - 80 - 105
Sound Power Level	dB	34.5 - 37.0 - 37.5	36.5 - 39.5 - 40.5
Power Input	W	295 - 378 - 418	311 - 432 - 464
Temp. exchange efficiency	%	NA	NA
Height	mm	388	388
Width	mm	1322	1322
Depth	mm	884	1134
Duct Diameter	mm	250	250
Weight	kg	71	83
Power Supply	V - Ph- Hz	230 - 1 - 50	230 - 1 - 50
Retail Price		£2,120	£2,400

Air Outlet Height 2.7m

Model Number		PAW-10PAIRC-LS	PAW-15PAIRC-LS	PAW-20PAIRC-LS	PAW-25PAIRC-LS
Outdoor Units	kW	7.1	10.0	14.0	20.0
Air Outlet Height	m	2.7	2.7	2.7	2.7
Door Width	m	1.0	1.5	2.0	2.5
Cooling Capacity (max)	kW	6.1	9.7	13.0	17.0
Heating Capacity (max)	kW	7.9	12.0	15.0	19.0
Heat Exchanger Volume	L	1.7	2.9	3.9	5.0
Height	mm	1000	1500	2000	2500
Width	mm	260	260	260	260
Depth	mm	460	460	460	460
Weight	kg	50	65	80	95
Air Volume - High - Low	m ³ /h	1800 - 1000	2700 - 1400	3600 - 1900	4500 - 2400
Fan Type		EC	EC	EC	EC
Sound Pressure	dB(A)	49 - 65	48 - 66	50 - 67	51 - 69
Piping Connections Liquid	mm	16.6	16.6	16.6	16.6
Piping Connections Gas		15.0	22.0	22.0	22.0
Refrigerant		R32 - R410A	R32 - R410A	R32 - R410A	R32 - R410A
Electric Consumption (fan)	kW	0.3	0.5	0.6	0.8
Current	A	2.1	3.1	4.1	5.1
Retail Price (excludes outdoor)		TBC	TBC	TBC	TBC

Air Outlet Height 3m

Model Number		PAW-10PAIRC-HS	PAW-15PAIRC-HS	PAW-20PAIRC-HS	PAW-25PAIRC-HS
Outdoor Units	kW	10.0	14.0	20.0	25.0
Air Outlet Height	m	3.0	3.0	3.0	3.0
Door Width	m	1.0	1.5	2.0	2.5
Cooling Capacity (max)	kW	9.1	13.0	19.5	23.7
Heating Capaity (max)	kW	11.8	15.8	23.6	27.6
Heat Exchanger Volume	L	1.7	2.9	3.9	5.1
Height	mm	1000	1500	2000	2500
Width	mm	260	260	260	260
Depth	mm	460	460	460	460
Weight	kg	55	65	85	110
Air Volume - High - Low	m3/h	2700 - 1450	3600 - 1900	5400 - 2900	6300 - 3400
Fan Type		EC	EC	EC	EC
Sound Pressure	dB(A)	50 - 66	49 - 67	51 - 68	52 - 68
Piping Connections Liquid	mm	16.6	16.6	16.6	16.6
Piping Connections Gas		15.0	22.0	22.0	22.0
Refrigerant		R32 - R410A	R32 - R410A	R32 - R410A	R32 - R410A
Electric Consumption (fan)	kW	0.8	1.0	1.5	1.8
Current	A	4.1	5.5	8.2	9.6
Retail Price (excludes outdoor)		TBC	TBC	TBC	TBC

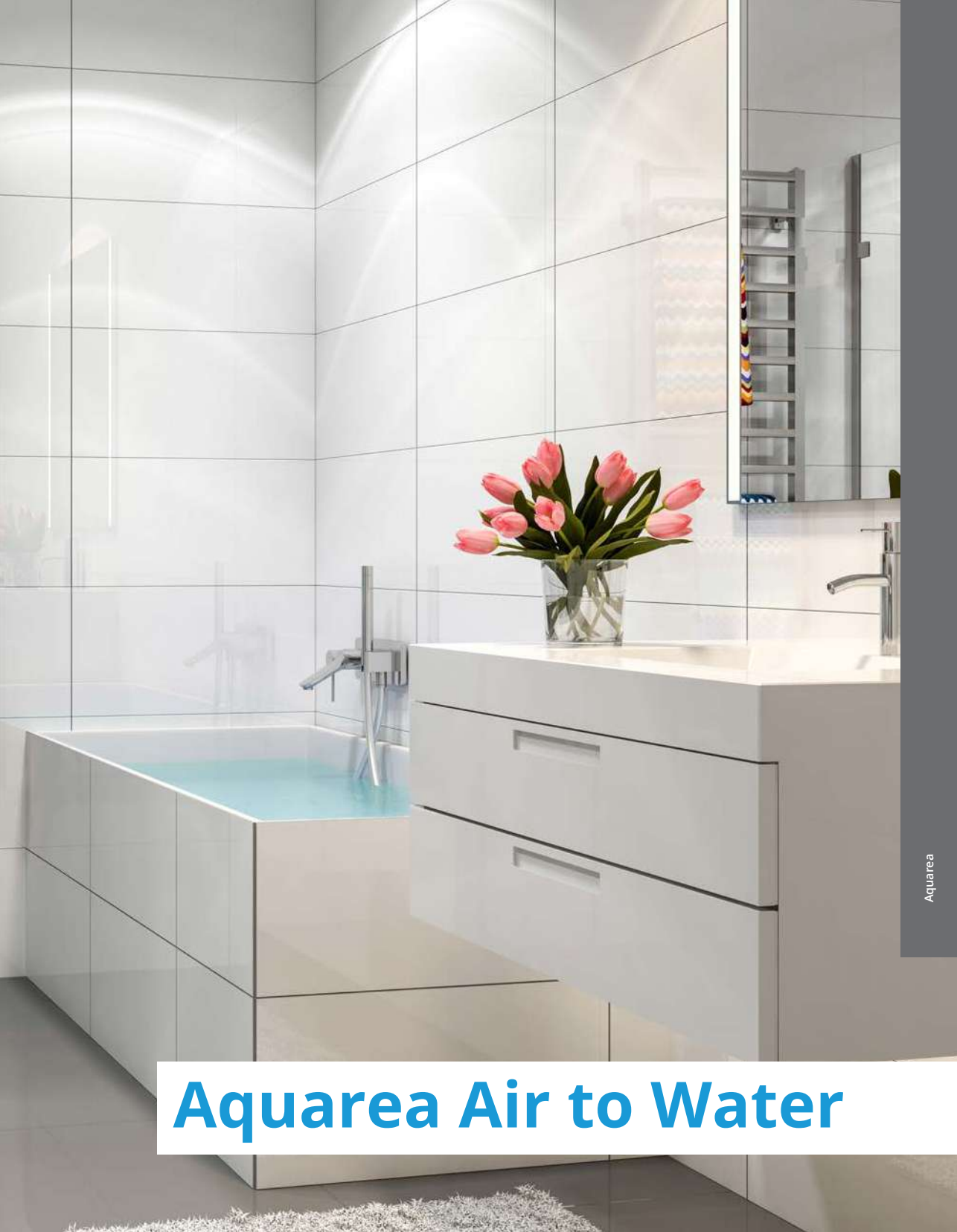
Air Outlet Height 2.7m

Model Number		PAW-10PAIRC-LS	PAW-15PAIRC-LS	PAW-20PAIRC-LS	PAW-25PAIRC-LS
Outdoor Units	kW	7.1	10.0	14.0	20.0
Air Outlet Height	m	2.7	2.7	2.7	2.7
Door Width	m	1.0	1.5	2.0	2.5
Cooling Capacity (max)	kW	6.1	9.7	13.0	17.0
Heating Capaity (max)	kW	7.9	12.0	15.0	19.0
Heat Exchanger Volume	L	1.7	2.9	3.9	5.0
Height	mm	1000	1500	2000	2500
Width	mm	260	260	260	260
Depth	mm	460	460	460	460
Weight	kg	50	65	80	95
Air Volume - High - Low	m3/h	1800 - 1000	2700 - 1400	3600 - 1900	4500 - 2400
Fan Type		EC	EC	EC	EC
Sound Pressure	dB(A)	49 - 65	48 - 66	50 - 67	51 - 69
Piping Connections Liquid	mm	16.6	16.6	16.6	16.6
Piping Connections Gas		15.0	22.0	22.0	22.0
Refrigerant		R32 - R410A	R32 - R410A	R32 - R410A	R32 - R410A
Electric Consumption (fan)	kW	0.3	0.5	0.6	0.8
Current	A	2.1	3.1	4.1	5.1
Retail Price (excludes outdoor)		TBC	TBC	TBC	TBC

Air Outlet Height 3m

Model Number		PAW-10EAIRC-HS	PAW-15EAIRC-HS	PAW-20EAIRC-HS	PAW-25EAIRC-HS
Outdoor Units	kW	4HP	6HP	8HP	10HP
Air Outlet Height	m	3.0	3.0	3.0	3.0
Door Width	m	1.0	1.5	2.0	2.5
Cooling Capacity (max)	kW	9.1	13.0	19.0	23.7
Heating Capaity (max)	kW	11.8	15.8	23.6	27.6
Heat Exchanger Volume	L	1.67	2.85	3.94	5.12
Height	mm	1000	1500	2000	2500
Width	mm	260	260	260	260
Depth	mm	460	460	460	460
Weight	kg	55	65	85	110
Air Volume - High - Low	m3/h	2700 - 1450	3600 - 1900	5400 - 2900	6300 - 3400
Fan Type		EC	EC	EC	EC
Sound Pressure	dB(A)	50 - 66	49 - 67	51 - 68	52 - 68
Piping Connections Liquid	mm	16.6	16.6	16.6	16.6
Piping Connections Gas		15.0	22.0	22.0	22.0
Refrigerant		R410A	R410A	R410A	R410A
Electric Consumption (fan)	kW	0.75	1.00	1.50	1.75
Current	A	4.1	5.5	8.2	9.6
Retail Price (excludes outdoor)		TBC	TBC	TBC	TBC





Aquarea Air to Water

Panasonic's Aquarea range of Heat Pumps deliver major energy savings thanks to its incredible efficiency even at -20°C. The Panasonic Aquarea Heat Pumps are designed and produced by Panasonic and not by other companies.

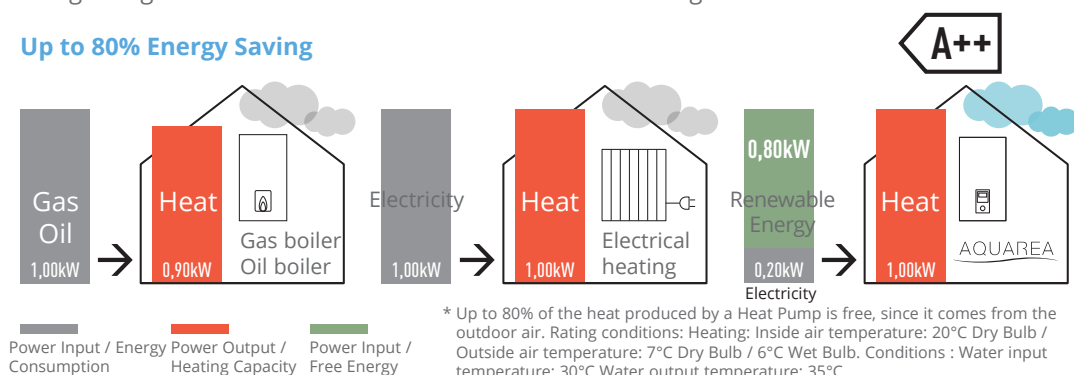
The Aquarea Heat Pump is a system that generates the perfect temperature and produces hot water, in an easy, cheap and environmentally friendly way, by transferring heat instead of generating it. It is among the Technologies listed on the International Energy Agency (IEA) Blue Map, whose goal is to reduce CO₂ emissions to half the levels emitted in 2005, by the year 2050.

Aquarea is part of a new generation of heating solutions that use a renewable, free energy source (the air) to heat or cool the home and to produce hot water:

- Extremely high efficiency (COP of 5,08 for new 5kW Mono-bloc unit)
- Line up developed for low consumption homes (starting at 3kW)
- T-CAP solution is ideal for cold areas, as it maintains the nominal capacity up to -15°C
- Easy to control with your smart phone (using an optional interface)
- Large range of efficient tanks for domestic hot water storage

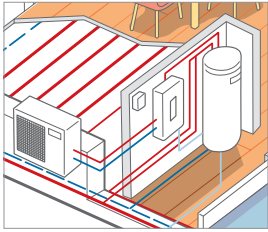


Up to 80% Energy Saving

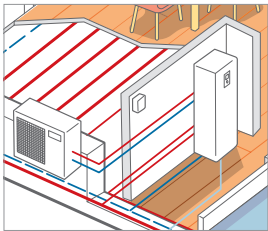


Why Air Source Heat Pumps

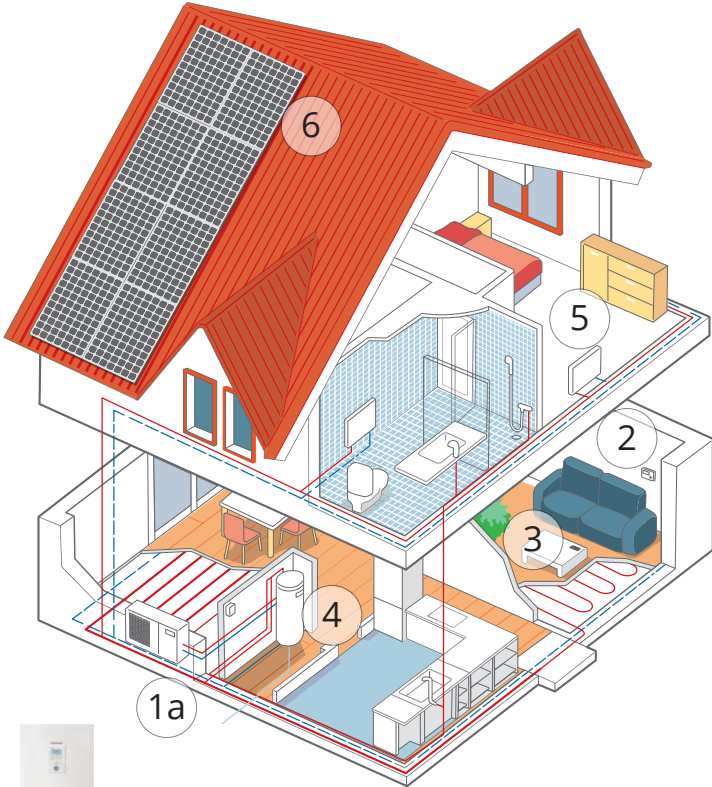
- Heating, cooling and domestic hot water produced with a single system
- Best in terms of efficiency: even at extreme outdoor temperatures
- Environmentally friendly: can be connected to solar panels
- Technology that adapts to each home: extreme low temp, high temperature, whatever the climate
- Wide range of solutions: floor heating, radiators and fan coils
- Reduced heating bills and maintenance costs
- Reduce your carbon footprint
- Simple to integrate into existing heating systems
- Energy efficient alternative to oil, LPG and electric systems
- Ideal for properties without access to mains gas
- Externally positioned saving valuable internal living space



1b



1c



1a



1a

Mono-bloc
system



1b

Split System
system



1c

All in One
system

Contact us for details or download
the price list from our website.



2

Aquarea Heat
Pump Manager
(optional)



3

Control through smart
phone, tablet or
computer (optional)



4

Super High
Efficiency cylinder
(optional)



5

High efficient
radiators for heating
and cooling (optional)



6

Heat Pump + HIT
Photovoltaic solar
panel (optional)

Aquarea High Performance

For New Installations and low consumption homes

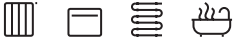
Maximum savings, maximum efficiency, minimum CO₂ emissions, minimum of space. Improved performance with COP's up to 5,28.

Aquarea T-CAP For extremely low temperatures, refurbishment and innovation

Ideal to ensure that the heating capacity is maintained even at very low temperatures. This line-up is able to maintain the Heat Pump output capacity until -20°C outdoor temperature without the help of an electrical booster heater.

Aquarea HT. For a house with old high temperature radiators

Ideal for retrofit: green energy source works with existing radiators. Aquarea HT Solution is the most appropriate, provides output water temperatures of 65°C even at outdoor temperatures as low as -15°C.

Aquarea High Performance	Aquarea T-CAP	Aquarea HT
		
		
Heating - Cooling - DHW	Heating - Cooling - DHW	Heating - DHW
Single Phase from 3 to 16kW Three Phase from 9 to 16kW	Single Phase from 9 to 12kW Three Phase from 9 to 16kW	Single Phase from 9 to 12kW Three Phase from 9 to 12kW
Connectable to		
		
Radiators-Fancoil-Underfloor heating - DHW	Radiators-Fancoil- Underfloor heating - DHW	Traditional high-temperature radiators - DHW
Application		
		
Normal installation	For extreme cold ambient	Retrofit for old radiators
Energy efficiency		
		
Heating 35°C / 55°C	Heating 35°C / 60°C ¹	Heating 35°C / 55°C
Outdoor ambient temperature limit. Operation		
-28°C	-28°C	-28°C
Outdoor ambient temperature limit. Constant capacity		
	-15°C / -20°C ¹	-15°C
Supply temperature for heating. Max. / Heat pump only		
75°C / 55°C	75°C / 60°C ¹	75°C / 65°C
Control and connectivity		
Smart Grid Ready ²	Smart Grid Ready ²	Smart Grid Ready ²
Range		
Split System from 3 to 16kW Mono-bloc from 5 to 16kW All in One from 3 to 16kW (185L)	Split System from 9 to 16kW Mono-bloc from 9 to 16kW All in One from 9 to 16kW (185L)	Split System from 9 to 12kW Mono-bloc from 9 to 12kW



Controls & Accessories

Individual Controllers



Model Number	CZ-RTC5B	CZ-RTC2	CZ-RE2C2 / RELC2	See Below
Description	Designer RC	Standard RC	Simplified RC	Wireless RC
Notes	With Econavi	For Floor Standing MP1 indoor units	CZ-RE2C3 For duct type series compatible with CZ-RWSK@ (not included)	Various
Connectable Indoor Units	1 Group, 8 Units	1 Group, 8 Units	1 Group, 8 Units	1 Group, 8 Units
Limitations	Up to 2 controllers can be used per group	Up to 2 controllers can be used per group	CZ-RE2C2, Up to 2 controllers per group	Up to 2 controllers can be used per group
On / Off	✓	✓	✓	✓
Mode Setting	✓	✓	✓	✓
Fan Speed Setting	✓	✓	✓	✓
Temperature Setting	✓	✓	✓	✓
Air Flow Direction	✓	✓	✓1	✓1
Permit/Prohibit Switching	-	-	-	-
Weekly Timer	✓	✓	-	-
Econavi Sensor	✓	-	-	-
Power Cons. Monitor	✓2	-	-	-
Built in Thermostat	✓	✓	✓	✓
Further Info. Page	290	290	291	291
Retail Price	£104	£104	£124 / £175	Varies

1, Setting not possible when a remote control unit is present (use the remote control for setting) 2, Only for PACi Elite except 50 type

Control for Hotel Applications (VRF) Intelligent Controller



Model Number	PAW-RE2C3-WH	PAW-RE2C3-GR	PAW-RE2C3-MOD-WH	PAW-RE2C3-MOD-GR	PAW-RE2C3-LON-WH	PAW-RE2C3-LON-GR
Description	Stand-Alone White	Stand-Alone Grey	Modbus White	Modbus Grey	LonWorks White	LonWorks Grey
Connectable Indoor Units	1 Indoor Unit	1 Indoor Unit	1 Indoor Unit	1 Indoor Unit	1 Indoor Unit	1 Indoor Unit
Limitations	-	-	-	-	-	-
On / Off	✓	✓	✓	✓	✓	✓
Mode Setting	Auto	Auto	Auto	Auto	Auto	Auto
Fan Speed Setting	✓	✓	✓	✓	✓	✓
Temperature Setting	✓	✓	✓	✓	✓	✓
Air Flow Direction	-	-	-	-	-	-
Permit/Prohibit Switching	✓	✓	✓	✓	✓	✓
Weekly Timer	-	-	-	-	-	-
Econavi Sensor	-	-	-	-	-	-
Power Cons. Monitor	-	-	-	-	-	-
Built in Thermostat	✓	✓	✓	✓	✓	✓
Further Info. Page	292	292	292	292	292	292
Retail Price	£240	£260	£280	£300	£300	£320

1, Setting not possible when a remote control unit is present (use the remote control for setting) 2, Only for PACi Elite except 50 type

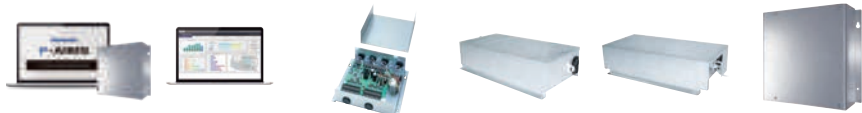
Timers and Centralised Controllers



Model Number	CZ-ESWC2	CZ-ANC2 (3)	CZ-64ESMC3	CZ-256ESMC3
Description	Schedule Timer	On/Off Controller	System Controller	Intelligent Controller
Notes	Daily and Weekly Programme	Only On/Off Control	With Econavi	Touch Screen Display
Connectable Indoor Units	64 Groups, max 64 units	64 Groups, max 64 units	64 Groups, max 64 units	Main unit: 128. Up to 256 units can be expanded
Limitations	Required Power supply from the system controller When there is no system controller, connection is possible to the T10 terminal of an indoor unit	Up to 8 controllers (4 main units + 4 sub units) can be connected to one system Use without remote controller is impossible	Up to 10 controllers, can be connected to one system Main unit / sub unit connection is possible Use without remote controller is possible	Communication adaptor CZ-CFUNC2 is necessary for connection with more than 128 units
On / Off	-	✓	✓	✓
Mode Setting	-	-	✓	✓
Fan Speed Setting	-	-	✓	✓
Temperature Setting	-	-	✓	✓
Air Flow Direction	-	-	✓1	✓1
Permit/Prohibit Switching	-	✓	✓	✓
Weekly Timer	✓	-	✓	✓
Econavi Sensor	-	-	-	-
Power Cons. Monitor	-	-	-	-
Built in Thermostat	-	-	-	-
Further Info. Page	NA	294	294	295
Retail Price	£317	£450	£665	£2,500

1, Setting not possible when a remote control unit is present (use the remote control for setting) 2, Only for PACi Elite except 50 type

Centralised Control Systems & 3rd Party Controllers



	BMS System PC Base Software	AC Smart Cloud	Connection with 3rd Party Controllers			
Model Number	CZ-CSWKC2	CZ-CFUSCC1	CZ-CAPDC2	CZ-CAPC2	CZ-CAPBC2	CZ-CFUNC2
Description	P-AIMS. Basic Software Up to 1024 groups. Controls 1024 units	Cloud internet control. Up to 128 groups. Controls 128 units.	Seri-Para I/O unit for outdoor unit. Up to 4 outdoor units.	Local adaptor for ON/OFF control. Controls 1 to 8 units.	Mini Seri-Para I/O Unit 0 - 10V. Controls 1 to 8 units.	Communication Adaptor. Up to 128 groups. Controls 128 units.
Further Info. Page	296	297	299	299	299	299

Interfaces and BMS Adapters

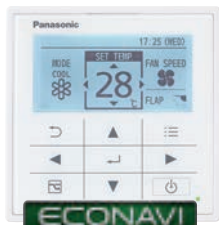
A complete range of interfaces and BMS adapters are also available, for more information see pages 300 to 301

CZ-RTC5B

Designer Wired RC
For PACi, ECOi & ECO G

Retail Price

£104



- Power consumption monitor (only for PACi)
- Flat face design & Touch sensor switch for stylish design and operating usability
- New functions such as for Energy saving & monitoring and for Service use are available on the Full dot LCD (3.5" display)
- Improved illumination
- White LED backlight
- Blink when alarm occurs

Basic Operation.

- Operation · Mode · Temperature setting · Airflow volume · Airflow direction

Timer function.

- Outing function · Weekly Program timer · Easy ON/OFF timer · Time display

Energy saving.

- Outing function · Temperature setting range limitation · Temperature auto return · OFF remind · Schedule demand control · Energy saving mode · Energy monitoring

Others.

- Key lock · Ventilation fan control · Display contrast adjustment · Remote controller sensor · Quiet operation mode · Prohibit setting control from Central controller

* Several functions can not use on some outdoor unit. Ex. Power consumption monitor is not available for PACi Standard, Backup/Rotation control for PACi system.

CZ-RTC2

Standard Wired RC
For PACi, ECOi & ECO G

Retail Price

£104



- For Floor Standing (MP1) indoor units
- Time Function 24 hours real time clock (week day indicator)
- Weekly programme function (a maximum of 6 actions can be programmed for each day)
- Sleeping function (this function controls the room temperature for comfortable sleeping)

- Maximum 8 indoor units can be controlled from one remote controller
- Remote control by main remote controller and sub controller is possible (maximum 2 remote controllers (main remote controller and sub controller) can be installed for one indoor unit)
- Possible to connect to the outdoor unit using PAW-MRC cable for servicing purposes
- Outing function (this function can prevent the room temperature from dropping or rising when the occupants are out for a long time)
- Operation mode changeover (Cooling, Heating, Dry, Auto, Fan)
- Temperature setting (Cooling / Dry: 18-30°C Heating: 16-30°C)
- Fan speed setting High / Medium / Low and Auto
- Air flow direction adjustment
- Dimensions (H x W x D): 120 x 120 x 16mm

CZ-RE2C2

Simplified Wired RC
For PACi, ECOi & ECO G

Retail Price

£124



- Suitable for open rooms or hotels where detailed functions are not required
- ON/OFF, operation mode switching, temperature setting, air speed switching, air flow direction setting, alarm display, and remote controller self-diagnosis can be performed

CZ-REL2

Simplified Wired RC with Backlight
For PACi, ECOi & ECO G

Retail Price

£175



- Batch group control for up to 8 indoor units
- Remote control by main remote controller and sub controller is possible with a simplified remote controller or a wired remote controller (up to two units)
- Dimensions (H x W x D): 120 x 70 x 16mm



Wireless Remote Controllers

Model	Description	Retail
CZ-RWSY2	Wireless remote and receiver for MY and PY 600 x 600 cassettes	£130
CZ-RWSU2N	Wireless remote and receiver for MU1 cassettes	£145
CZ-RWRU3	Wireless remote and receiver for PU and MU cassettes	£145
CZ-RWST2	Wireless remote and receiver for MT and PT cassettes (older version)	£145
CZ-RWRT3	Wireless remote and receiver for MT and PT cassettes (latest version)	£145
CZ-RWRL3	Wireless remote and receiver for 2 way cassettes	£145
CZ-RWS3	Wireless remote control. MK and PK wall mounted. This is also the generic controller which is used in all kits, which include the receiver	£93
CZ-RWRD3	Wireless remote control for 1 way cassette	£145

- 24 hour timer function
- Remote control by main remote controller and sub controller is possible (Max. 2 remote controllers (main remote controller and sub controller) can be installed for one indoor unit)
- When CZ-RWSC3 is used, wireless control becomes possible for all indoor units (1: when a separate receiver is set up in a different room, control from that room also becomes possible. 2: automatic operation by

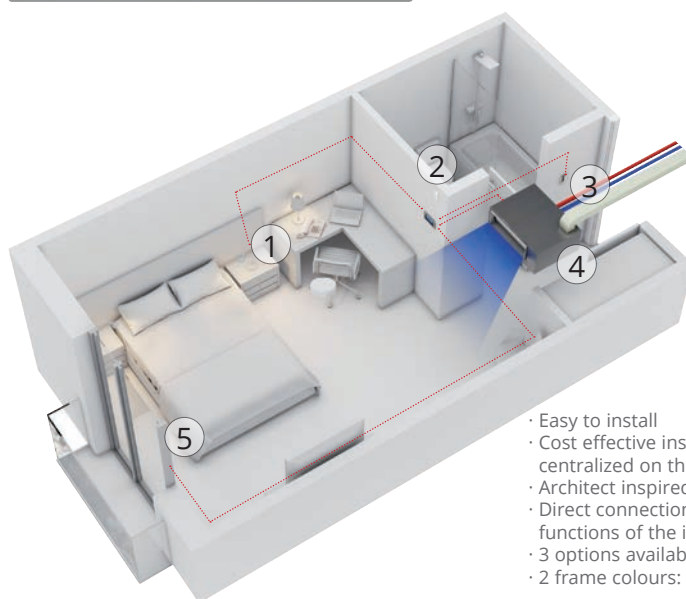
means of the emergency operation button is possible even when the remote controller has been lost or the batteries have been exhausted)

- Operation of separate energy recovery ventilators (When commercial ventilation fans or heat-exchange ventilation fans have been installed, they can be operated with this remote control (interlocked operation with the indoor unit or independent ventilation ON/OFF)



Panasonic has developed an innovative line up of remote controls specially designed for hotel room applications.

From this remote control: The lighting, card contact, motion detector, window contact and the air conditioning are controlled.



- 1, Lighting Control
- 2, Motion Sensor
- 3, Card Contact
- 4, Indoor Unit
- 5, Windows Contact

- Easy to install
- Cost effective installation as all electrical cable are centralized on this remote
- Architect inspired attractive design
- Direct connection to the Indoor unit with most of the functions of the indoor unit
- 3 options available: Stand-Alone, Modbus or LonWorks
- 2 frame colours: White and aluminium

Energy saving functions included on the device: Turns Off air conditioning and lighting when room is unoccupied. Disables air conditioning when window is open. Maximum/minimum setpoint temperature configurable

Easy remote control: The hotel customer will have access to limited functions to control the air conditioning: ON/OFF, Temperature (under a certain limit fixed during the start up) and Fan speed

Easy set up: Stand-Alone model with easy configuration menu to access all parameters. The installation is simplified as all the cables should arrive to the remote control. A pre-define scenario can be uploaded on the remote control connected to a computer to make installation on site plug and play (only on the Modbus and LonWorks models).

Model Number	Description	Retail Price
PAW-RE2C3-WH	Stand-Alone with I/O White frame	£240
PAW-RE2C3-GR	Stand-Alone with I/O Grey Frame	£260
PAW-RE2C3-MOD-WH	Modbus RS-485 with I/O White frame	£280
PAW-RE2C3-MOD-GR	Modbus RS-485 with I/O Grey frame	£300
PAW-RE2C3-LON-WH	LonWorks TP/FT-10 with I/O White frame	£300
PAW-RE2C3-LON-GR	LonWorks TP/FT-10 with I/O Grey frame	£320

CZ-CENSC1

Econavi Sensor

For PACi, ECOi & ECO G

Retail Price

£125



The all new Econavi Sensor detects presence in the room, and quietly adapts the PACi or VRF air conditioning system in order to improve comfort and maximise energy savings.

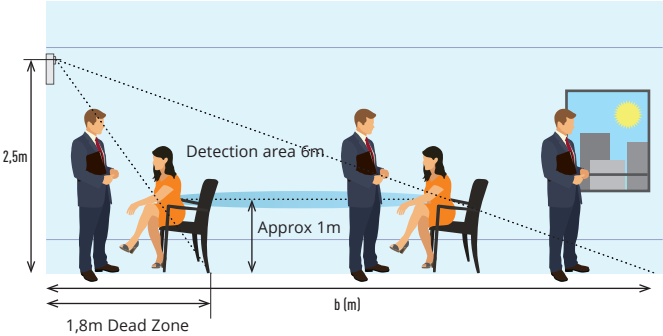


- Detects human activity and adjusts temperature by 2 degrees (up or down) to optimize comfort and efficiency
- If there is no activity detected for a set time, the Econavi will stop the unit or move to a new temperature previously set
- The Econavi device is installed independently of the indoor unit, and is located in the area best suited for detection

Applications:

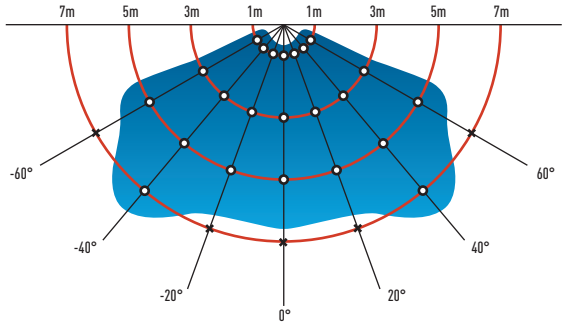
Saving Energy for Offices: if the air conditioning is left on after the last employee leaves the office, Econavi will automatically react, reducing or stopping the system.

Increased comfort in hotel rooms: when presence is detected in the room, the temperature is automatically adjusted to achieve best comfort.



Key Features

- Compatible with Cassette, Wall Mounted, Hide Away and Ceiling
- Improves efficiency
- Better Comfort
- Can be installed in the best place of the room for detection purposes



CZ-CSRC3

Remote Sensor

For PACi, ECOi & ECO G

Retail Price

£93



CZ-CSRC2

Remote Sensor

For PACi, ECOi & ECO G

Retail Price

£93



CZ-ANC2 / CZ-ANC3

On - Off Controller

For PACi, ECOi & ECO G

Retail Price

£450



- 16 groups of indoor units can be controlled
- Collective control and individual group (unit) control can also be performed
- Up to 8 ON/OFF controller (4 main, 4 sub) can be installed in one link system
- The operation status can be determined immediately
- Dimensions (H x W x D): 121 x 122 x 14 + 52mm (embedding dimension)
- Power supply: AC 220 to 240V.

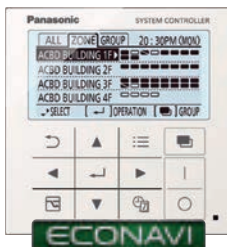
CZ-64ESMC3

System Controller

For PACi, ECOi & ECO G

Retail Price

£665



Panasonic unveils state-of-the-art digital controller

Panasonic has launched its latest controller, an innovative and easy to use interface that offers full functionality with an integrated schedule timer and system controller, making managing heating and cooling systems easier than ever before.

The CZ-64ESMC3 includes Panasonic's popular schedule timer, which gives users full flexibility over when they want their property heated or cooled. Users can adjust the system for holidays, pausing operations for long periods of time so that energy isn't wasted heating or cooling an empty home or office. The controller also allows six operations per day to be programmed.

Key Points:

- Same operation feeling as new wired remote controller by touch-key panel
- High visibility and usability by Full-dot LCD
- Based on High wired remote controller
- Maximum 64 group of indoor units, Individual control for 64 units
- 4 zone control; 1 zone = Maximum 16 groups
- Several energy saving function (based on CZ-RTC5B)
- 6 timer program per day for 1 week (7 days) operation (Total 6 x 7= 42 programs)
- Basic setting items (Temperature, Mode, Fan speed, Flap position) set by same manner as CZ-RTC5B

Function list:

From CZ-64ESMC2 System controller:

- Central control / individual setting
 - Start-stop prohibition for remote controller
 - Start-stop / Mode change / Temperature setting prohibition for remote controller
 - Mode change / Temperature setting prohibition for remote controller
 - Mode change prohibition for remote controller
 - Select items for prohibition
- Filter information
 - Filter sign
 - Filter sign reset
- Ventilation setting

From CZ-ESWC2 Schedule timer:

- Weekly Timer
 - Timer setting Enable / Disable
 - Copy of Timer setting
- Maintenance
 - External signal (Start / Stop) (Demand control)

- Centralized control master-slave setting
- Alarm history
- Initial setting
- Clock

From CZ-RTC5B

- Energy-saving control
 - Econavi On/Off
- Filter information
- Filter sign and Hour counter display
- Maintenance
 - Service contact
- Initial setting
 - Clock display setting
 - Name Setting
 - Operation lock setting
 - Operation sound setting
 - LCD contrast setting
 - LCD backlight setting
 - Select displayed language (EN / FR / IT / ES / DE)
 - Administrator password
- Setting information list

CZ-256SMC3

**Touch Screen Intelligent
Controller
For PACi, ECOi & ECO G**

Retail Price - £2,500

**CZ-CBPCC2 back up
memory - £186**



- Graph display (trends, comparisons)
- Econavi ON/OFF
- Outdoor unit quiet operation ON/OFF
- Energy-saving functions: Set temperature auto return settings, Auto shutoff, Set temperature range limit settings, Energy saving for PAC current value, etc.
- Event control (such as equipment linkage)
- Performs closing at end of any period
- Dimensions (H x W x D): 240 x 280 x 20 (+60)mm.
- Power supply: Single phase 100-240V ~ 50/60Hz.
- Enlarged Display Screen: 10.4 inch Touch-panel colour LCD.
- Retrieve data from USB memory
- Communication adaptor: CZ-CFUNC2.

- 1) The maximum number of connectable units is shown below:
 - When using only this unit: 128 indoor units and 60 outdoor units
 - When connecting a communication adaptor: 256 indoor units and 120 outdoor units
- 2) The number of indoor units includes the interface adaptor.

Operation And Status.

You can check to operational status (ON/OFF, operating mode, alarms, etc.) of all indoor units and outdoor units in real time.

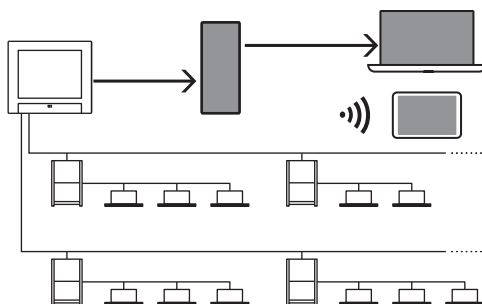
You can also select indoor units to change their settings.

Distributing Air Conditioner Energy

You can view cumulative operating times for indoor units, engine operating times for outdoor units, and operation cycles in a list (cumulative values). Using these data, you can calculate the distribution ratio of electricity or gas consumed for air conditioning and volumes used (kWh, m³) per indoor unit or in an area, then show these calculations in a list.

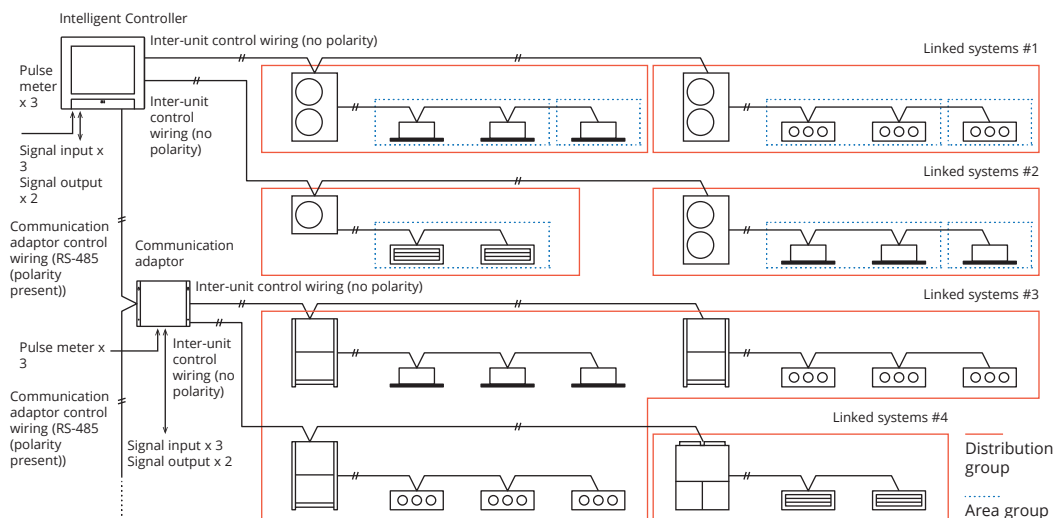
Remote Control

The LAN terminal on this unit enables you connect it to a network. Connecting to Internet will enable you to operate the unit and check the status using a PC from a remote location.



Operation Scheduling

You can register daily operation schedules (ON/OFF time, operating modes, set temperatures, etc.) for individual indoor units or groups of indoor units. Operations can be schedule for up to 2 years in advance.



CZ-CFUSCC1

AC Smart Cloud

For PACi, ECOi & ECO G

Call us for pricing



Flexible solution and scalable solution

- It doesn't matter how many sites you have, easy to manage, operate, compare per sites, locations, rooms.
- Power consumption, capacity, efficiency level can be compared per different parameters (Yearly / monthly / weekly/ daily bases)
- Weekly / holiday timer setting, one setting can be copied to other sites
- Error notification by email and with floor layout
- Maintenance notification of ECOi / ECO G outdoor units

Centralise control of your business premises, from wherever you are, 24/7/365. It doesn't matter how many sites you have, or where they are! The AC Smart Cloud system from Panasonic allows you to have complete control of all your installations, from your tablet or from your computer. In a simple click, all your units from several locations, receive status updates in real-time of all your installations, preventing breakdowns and optimising costs

CZ-CSWKC2

P-AIMS Basic Software

For PACi, ECOi & ECO G

Retail Price

£3,616

CZ-CFUNC2 / CZ-CFUNC3

Communications Adapter

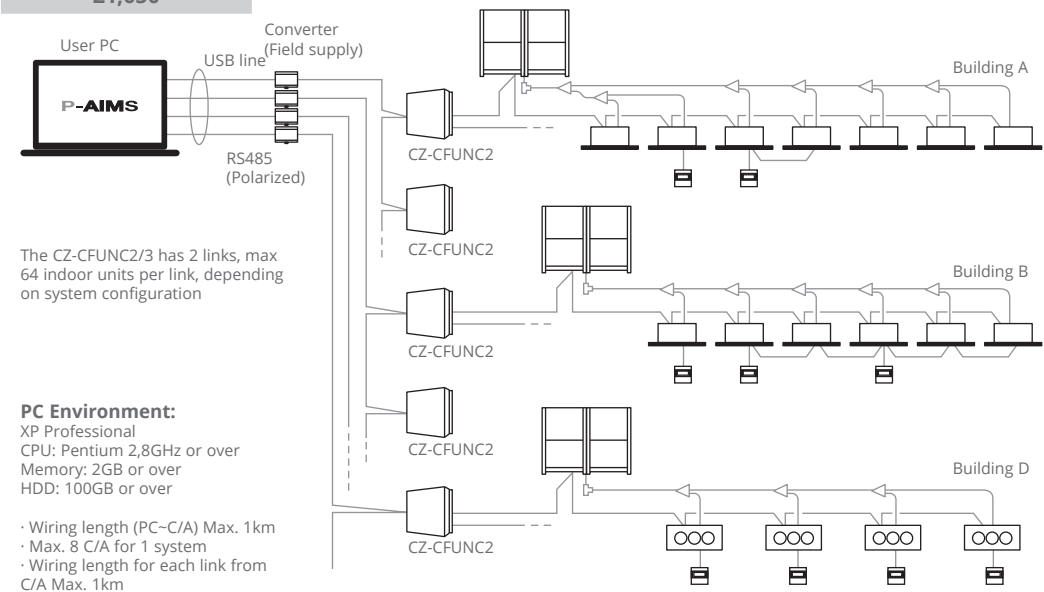
Retail Price

£1,050



Up to 1024 indoor units can be controlled by one PC.

- Functions of basic software.
- Standard remote control for all indoor units.
 - Many timer schedule programs can be set on the calendar.
 - Detailed information display for alarms.
 - CSV file output with alarm history, operating status.
 - Automatic data backup to HDD.
 - P-AIMS is suitable for large offices, hotels & shopping centers with many areas/ buildings. 1 "P-AIMS" PC can have 4 independent systems at once.
- Each system can have maximum 8 C/A units, and control maximum 512 units. In total, 1024 indoor units can be controlled by 1 "P-AIMS" PC.



Opt. Software	Description	Retail Price
CZ-CSWAC2 Load distribution	· Air-conditioner load distribution ratio is calculated for each unit (tenant) with used energy consumption data (m³, kWh) · Calculated data is stored as a CSV type file, data from the last 365 days is stored	£2,066
CZ-CSWWC2 Web application.	· Web access & control from remote station. Accessing P-AIMS software from remote PC · You can monitor/operate ECOi 6N system by using Web browser (Internet Explorer)	£1,550
CZ-CSWGC2 Object layout display.	· Operating status monitor is available on the layout display · Object's layout and indoor unit's location can be checked at once · Each unit can be controlled by virtual remote controller on the display · Max. 4 layout screens are shown at once	£1,550
CZ-CSWBC2 BACnet software interface	· Can communicate with other equipment by BACnet protocol · ECOi 6N system can be controlled by both BMS and P-AIMS · Max. 255 indoor units can be connected to 1 PC (that has P-AIMS basic & BACnet software).	£4,132

ECOi and GHP Connectivity

New Plug and play interface connected directly to the P-Link.

The interface has been designed specifically for Panasonic and provides complete monitoring, control and full functionality of the line-up from Intesis Home, KNX, EnOcean, Modbus, BacNet and Lonworks installations.

Range	Model Number	Interface	Maximum Number of Indoor Units	Retail Price
ECOi / PACi Indoor Units	PAW-RC2-KNX-1i	KNX	1 (1 Group of Indoor units)	£300
	PAW-RC2-MBS-1	Modbus RTU ¹	1 (1 Group of Indoor units)	£300
	PAW-RC2-ENO-1i	EnOcean	1 (1 Group of Indoor units)	£300
	PA-RC2-WIFI-1	Intesis Home	1 (1 Group of Indoor units)	£200
ECOi P-Link	PAW-AC-KNX-64	KNX ²	64	£2,600
	PAW-AC-KNX-128	KNX ²	128	£3,380
	PAW-AC-MBS-RTU-64	Modbus RTU ²	64	£2,400
	PAW-AC-MBS-TCP-128	Modbus TCP ²	128	£3,120
	PAW-MBS-TCP2RTU	Modbus TCP ²	ModBus RTU Slave devices	£850
	PAW-AC-BAC-1	Bacnet	1	£500
	PAW-AC-BAC-64	Bacnet ²	64	£2,400
	PAW-AC-BAC-128	Bacnet ²	128	£3,120
	CZ-CLNC2	Lonworks	16 groups of max. 8 indoor units, in total max. 64 indoor units	£1,050

1) Interface Modbus RTU/TCP is needed in case if Modbus TCP connection. PAW-MBS-TCP2RTU (ModBus RTU Slave devices).

2) Interface CZ-CFUNC2 needed.

CZ-CAPDC2

Seri-Para I/O unit for outdoor unit

Retail Price

£517



- This unit can control up to 4 outdoor units
- From the central control device, mode changing and batch operation/batch stop are possible
- Required for demand control
- Dimensions (H x W x D): 80 x 290 x 260mm.
- Power supply: Single Phase 100/200V (50/60Hz), 18W.
- Input: Batch operation/Batch stop (non-voltage contact/DC 24 V, pulse signal). Cooling/Heating
- Output: Operation output (non-voltage contact). Alarm output (non-voltage contact).
- Wiring length: Indoor/Outdoor operation lines: Total length 1km.
- Digital signal: 100m or shorter.

CZ-CAPDC3

Demand Control Kit (replacing CZ-CAPDC2)

Retail Price

£132

CZ-CAPC2

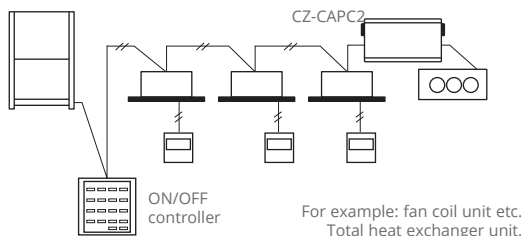
**Local adaptor for ON/OFF control
For PACi, ECOi & ECO G**

Retail Price

£285



Control and status monitoring is possible for individual indoor unit (any external electrical device up to 250V AC, 10A) by contact signal



CZ-CAPBC2

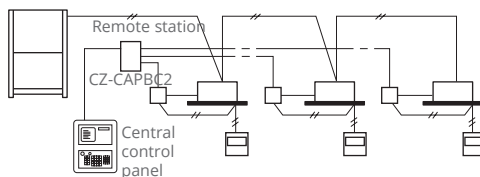
**MINI Seri-Para I/O Unit
0-10V
For PACi, ECOi & ECO G**

Retail Price

£155



- Control and status monitoring is possible for individual indoor unit (1 group)
- In addition to operation and stop, there is a digital input function for air speed and operation mode
- Temperature setting and measuring of the indoor suction temperature can be performed from central monitoring
- Power is supplied from the CZ-T10 terminal of the indoor units
- The analog input for demand of the outdoor capacity by 20 steps (from 40% to 120%) by 0-10V



CZ-T10

Wiring Interface

For PACi, ECOi & ECO G

Retail Price

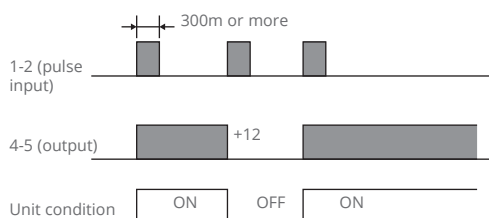
£40

Pack of 10 = £200



T10 terminal Specification (T10: CN015 at indoor unit PCB).

- Control items: 1. Start/stop input
- 2. Remote controller prohibit input
- 3. Start signal output
- 4. Alarm signal output



NOTE: The wire length from indoor unit to the Relay must be within 2.0m. Pulse signal changeable to static with JP cutting. (Refer to JP001)

Wiring Adapter for All T10 Functions

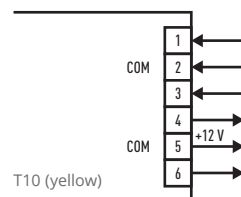
Panasonic has developed an optional accessory (consisting of plug + wires) called CZ-T10 to enable an easy connection to this T10 connector.

Connecting an ECOi indoor unit to an external device is easy. The T10 terminal featured in the electronic circuit board of all indoor units

· Condition

1. 1-2 (Pulse input): Unit ON/OFF condition switching with a pulse signal. (1 pulse signal: shortage status more than 300msec. or more)
2. 2-3 (Static input): Open / Operation with Remote is permitted (Normal condition) Close / Remote controller is prohibited
3. 4-5 (Static output): 12V output during the unit ON / No output at OFF
4. 5-6 (Static output): 12V output when some errors occur / No output at normal

· Example of wiring



PAW-OCT

Wiring Interface

For PACi, ECOi & ECO G

Retail Price

£40

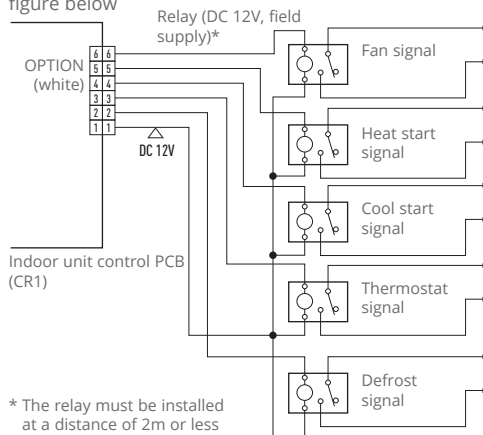


Option Connector (CN060) Output external signals

Panasonic has developed an optional accessory (consisting of plug + wires) called PAW-OCT to enable an easy connection to this Option Connector (CN060).

With the combination of the T10 and the option CN060 an external control of the indoor units is possible!

6P (white): Outputs external signals as shown in the figure below



* The relay must be installed at a distance of 2m or less from the PCB.

PAW-FDC

Wiring Interface

For PACi, ECOi & ECO G

Retail Price

£40

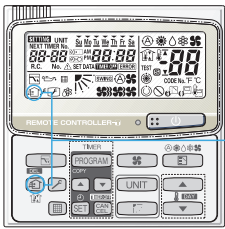
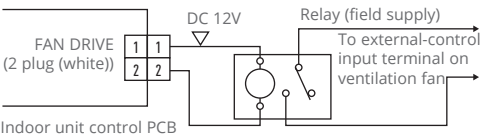


Fan Drive Connector (CN032)

Panasonic has developed an optional accessory (consisting of plug + wires) called PAW-FDC to enable an easy connection to this Fan Drive Connector (CN032).

- Operating the ventilation fan from the remote controller
- Start / stop of external ventilation and total heat exchanger fans
 - Works even if indoor unit is stopped
 - In case of group control □ all fans will operate; no individual control

External fan On / Off



Ventilation button

PAW-EXCT

Wiring Interface

For PACi, ECOi & ECO G

Retail Price

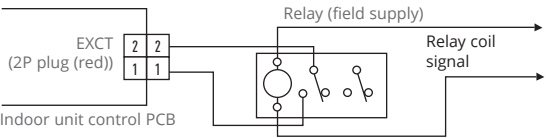
£40

EXCT Connector (CN009)

Panasonic has developed an optional accessory (consisting of plug + wires) called PAW-EXCT to enable an easy connection to this EXCT

Example A, With static input.

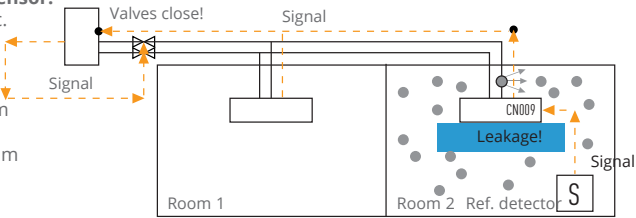
- STATIC INPUT □ THERMO OFF □ ENERGY SAVING 2P plug (red): Can be used for demand control. When input is present, forces the unit to operate with the thermostat OFF.



Note: The length of the wiring from the indoor unit control PCB to the relay must be 2m or less.

Example B, In connection with a refrigerant sensor.

- Signal from leakage detector: non voltage, static.
- Indoor unit setting: Code 0b □ 1
- Connector for leak detector: EXCT
- Outdoor unit setting:
 - Code C1 = 1 power output if alarm from O2 connector 230V
 - Code C1 = 2 power output if alarm from O2 connector 0V
- Displayed alarm message P14



Other Accessory Cables

Model	Description	Retail
CZ-CAPE2	Option monitoring signals wo. Fan	£77
PAW-SLTCNT	Silent Connector including cable (outdoor unit to BM software)	£40
PAW-CHS	Connector (cable) for Cooling / Heating Selection (permanent)	£40
PAW-MRC	Connector (cable) for Maintenance Remote Controller	£40

Refrigerant Leak Detection and Pump Down

Panasonic has developed an innovative solution to detect refrigerant leaks that offer complete assurance and protection for end users, building occupiers and the environment. Panasonic's Pump Down System is ideal for hotels, offices and public buildings where safety for occupants and the building owners is of utmost importance.

The system monitors refrigerant leakage continually and provides a warning before refrigerant leaks, preventing major refrigerant loss and potentially damaging the system's efficiency. The new system can improve potential refrigerant loss to approximately 90%.

As well as ensuring safe and reliable operation, Panasonic's Pump Down System contributes to a building qualifying for additional BREEAM points and enables compliance with current EN378 2008 standards, covering applications where refrigeration concentration levels exceed practical safety limits of 0,44 kg/m³.

Panasonic has developed two detection methods that can operate simultaneously to offer complete protection for owners, building occupiers and the environment.



This innovative pump down system can be connected in two ways:

- With sensor leakage
- Without sensor leakage, using only the algorithm.

Basic pump down function:

- Detect the leakage
- Activate pump down process
- Collect the gas on the tank
- Close the valves to isolate the gas

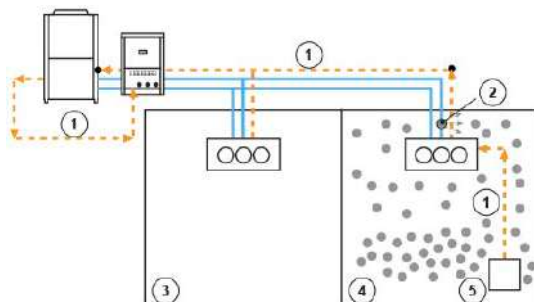
Key points:

- Comply with legislation
- Protect personnel
- Protect the environment
- Save on operating costs

Panasonic offers a purposely engineered solution which allows for a quick and simple installation. The unit contains 5 actuating ball valves, a 30l storage vessel and PLC all housed in an IP54 rated container. Terminals on the front of the unit allow for easy wiring to the alarm terminal, high / low pressure transducers and discharge temperature sensor(s) of the condensing unit(s).

Direct Leak Detection Method: The Safest Solution for Small Rooms

This option should be implemented in any area in non-compliance with BS EN 378:2008. The leak detector is connected directly to the indoor unit via the dedicated PAW-EXCT connector and the Pump Down System is directly connected to the outdoor unit PCB. The Pump Down System will activate when a leak is detected in the room and initiate a refrigerant reclaim operation immediately, the refrigerant will be collected inside the outdoor units' heat exchanger and optional receiver tank for larger systems.



1. Signal. 2. Leakage! 3. Room 1. 4. Room 2. 5. Leak detector.

This immediate reaction and large refrigerant storage capacity offers very high level of safety for end users, building occupiers as well as being environmentally friendly. Due to the exclusive ECOi software the leak detection sensors are able to communicate directly via the P-link which means no additional communication panels, cabling or software is required.

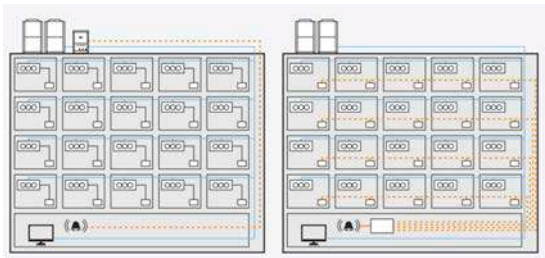
In-Direct Leak Detection Method: Unique PLC Algorithm to Determine Refrigerant Leakage

Pressure and temperature sensors constantly monitor the low / high pressure and discharge of the condensing unit to protect against potential leakage in areas not covered by leak detectors. If low pressure decreases and compressor discharge temperature increases at pre-defined values according to a pre-set algorithm then the unit will trigger a pump down sequence. The new innovative algorithm is able to detect leakage of R410A based on abnormal changes in the following conditions, high pressure, low pressure and compressor discharge temperature.

Once initiated via either direct or in-direct detection, the unit will immediately close the liquid / discharge actuating ball valves close the alarm terminals on the Pump Down PCB allowing an alarm to be raised at any nominated location.

Reclaim of the refrigerant is via the suction line to the heat exchanger(s) of the outdoor unit(s), any surplus refrigerant is collected in the 30l receiver tank. Once fully pumped down the suction line is closed and the unit awaits a 'Reset' and 'Recharge' command. protection for owners, building occupiers and the environment.

Due to the simplistic installation and control interfacing, shown in Fig 1, Panasonic's ECOi Pump Down System can provide dramatic reduction in capital cost and installation time when compared to a standalone leak detection system, shown in Fig 2. This option is ideal for hotels, offices and public buildings where safety of building occupiers is a must and is extremely cost effective, savings of 40% can be easily achieved.



Model	Description	Retail
PAW-PUDME1A-1	Pump Down System, 2-Pipe ECOi & ECOg - for 1 outdoor condensing unit	£5,200
PAW-PUDME1A-2	Pump Down System, 2-Pipe ECOi & ECOg - for 2 outdoor condensing units	£6,700
PAW-PUDME1A-3	Pump Down System, 2-Pipe ECOi & ECOg - for 3 outdoor condensing units	£8,200
PAW-PUDMF2A-1	Pump Down System, 3-Pipe ECOi & ECOg - for 1 outdoor condensing unit	£5,500
PAW-PUDMF2A-2	Pump Down System, 3-Pipe ECOi & ECOg - for 2 outdoor condensing units	£7,000
PAW-PUDMF2A-3	Pump Down System, 3-Pipe ECOi & ECOg - for 3 outdoor condensing units	£8,500
PAW-PUDRK30L	Additional refrigerant receiver, 30 litre pre-charged tank (R410A) with valves.	£1,750
PAW-PUDME1A-1R	Pump Down System, 2-Pipe ECOi & ECOg - for 1 outdoor condensing unit Inc. receiver	£6,950
PAW-PUDME1A-2R	Pump Down System, 2-Pipe ECOi & ECOg - for 2 outdoor condensing units Inc. receiver	£8,450
PAW-PUDME1A-3R	Pump Down System, 2-Pipe ECOi & ECOg - for 3 outdoor condensing units Inc. receiver	£9,950
PAW-PUDMF2A-1R	Pump Down System, 3-Pipe ECOi & ECOg - for 1 outdoor condensing unit Inc. receiver	£7,250
PAW-PUDMF2A-2R	Pump Down System, 3-Pipe ECOi & ECOg - for 2 outdoor condensing units Inc. receiver	£8,750
PAW-PUDMF2A-3R	Pump Down System, 3-Pipe ECOi & ECOg - for 3 outdoor condensing units Inc. receiver	£10,250



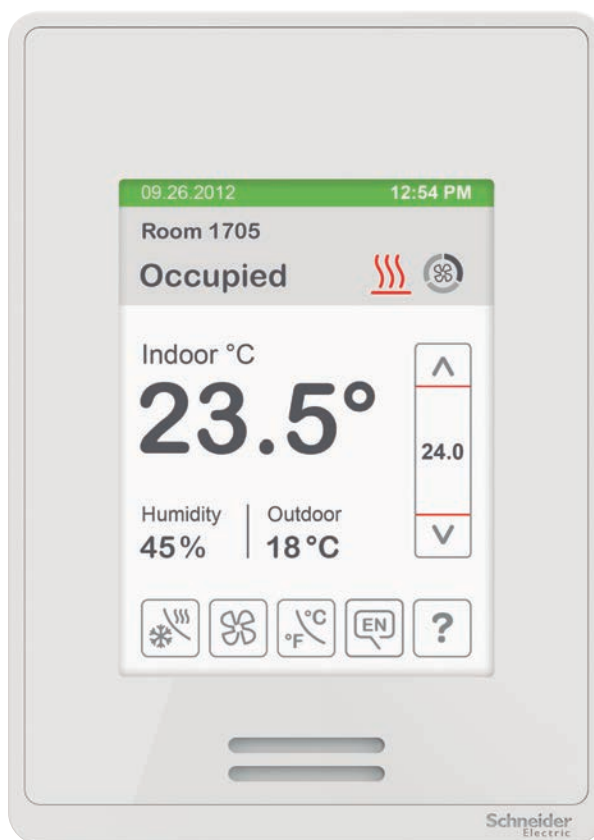


VRF Smart Connectivity

Smart Connectivity

Through thorough energy management, Panasonic's VRF Smart Connectivity is a completely new, state-of-the-art solution providing energy saving and comfort as well as simple installation, operation and running.

Panasonic, passionately pursuing the ultimate in energy saving through the application of cutting-edge technology, and Schneider Electric, an advanced global energy management specialist offering innovative control systems. This collaboration has set the new standard for creating the next generation of contemporary buildings.



Extremely simple Plug and Play connection to a Building Energy Management System (BEMS) is possible. Compared to the current VRF systems and chillers of other companies, connection is smooth and stress-free, so there's considerably less burden on the system integrator.



Easy Design and Plug and Play to Reduce CapEx.

- Simple Plug & Play VRF connection to Building Energy Management System (BEMS)
- Stand alone or BEMS connected
- VRF indoor Wired or Wireless connection
- Plug and play additional ZigBee sensors



Ultimate Customization.

- Background colour customisable
- Custom display/icons, messages
- Set point boundaries
- Programmable logic (also stand alone)



Dramatic Reduction of CapEx with Outstanding IAQ.

- 2 Built in sensors: Temperature and RH
- ZigBee wireless sensors: CO₂, window/door, human presence.



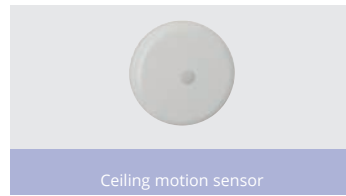
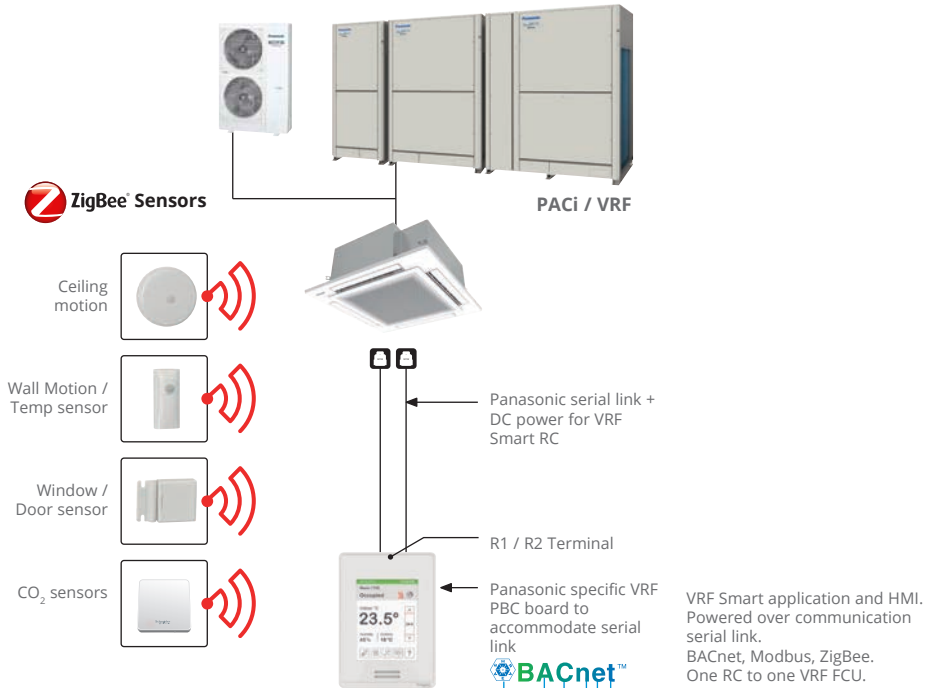
User-/Owner-friendly.

- Colour touch screen
- Ease and simply of use
- 20 Languages
- Easy to understand error description

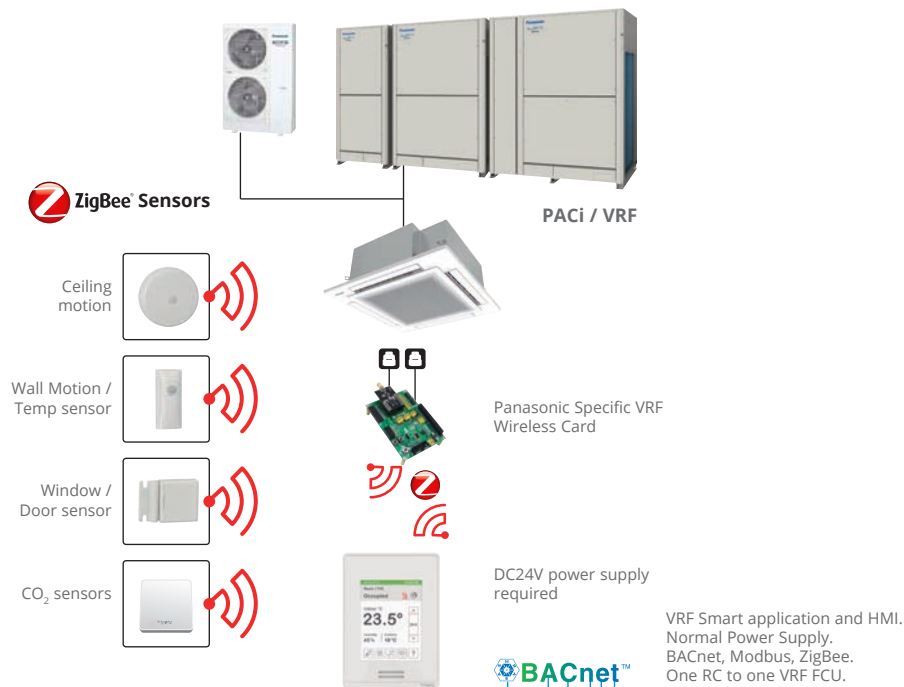
Stand Alone Smart Connection

VRF Smart Connectivity connects Panasonic ECOi and PACi indoor units by wired or wireless connection

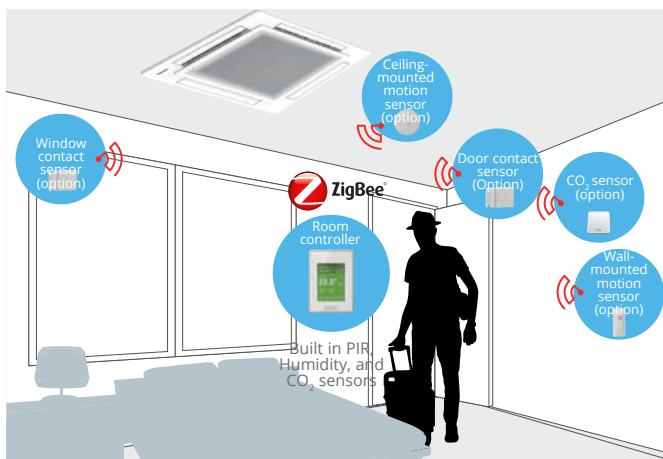
Wired Solution



Wireless Solution



The wireless solution using sensors born from the collaboration between Panasonic and Schneider Electric enables easy installation in existing and old buildings in which wiring is difficult (installation in a wired environment is also possible). The result is high-quality

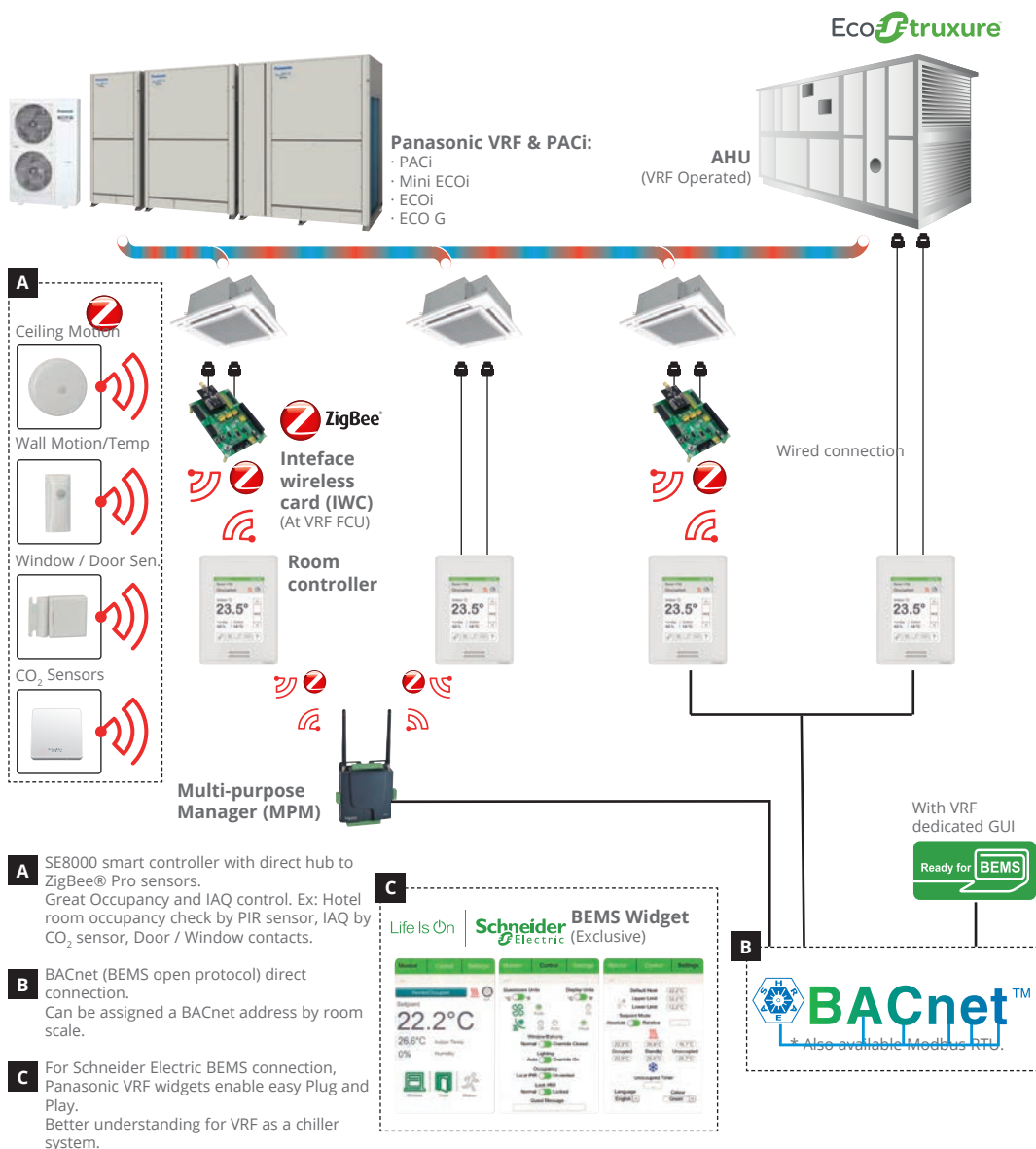


BEMS Smart Connection

The Smarter solution to simplify energy management, optimize building efficiency and drive savings.

Plug and Play BEMS connection.

With Plug and Play, connection to a BEMS is extremely easy. Better still, a remote controller is all that's needed to enable use as a stand-alone system. As well as dramatically reducing the burden on system integrators, this cuts costs.



CO₂ and humidity sensors for high IAQ

CO₂ sensors taking measurements in units of ppm, and humidity sensors enable fine air quality control. This creates the most comfortable space for occupants while contributing to improved employee satisfaction.

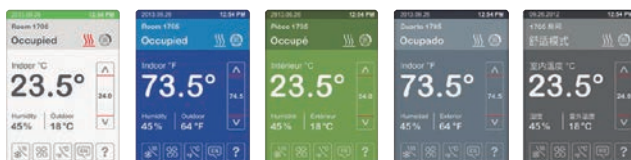


Energy management for high return on investment

Avoid the huge costs that occur when the control of air conditioning is left to staff with a tailor-made solution. Automatically controlled operation with precise settings reduces both wasted energy and running costs. This in turn contributes to improved ROI which is directly linked to management.

Colour and design to match office interiors

When creating an office environment, a stylish appearance that complements the design of the office rather than interfering with it is an important consideration. Colour combinations and design can be set to match different facilities.



Installation possible during business hours

To install a new system, it was previously necessary to close stores and restaurants. Now, thanks to Panasonic's wireless technology, smart installation is possible without closing an establishment or performing building work such as knocking down walls. And the enjoyment of customers isn't interrupted.

Easy to Understand Error Description

Error description during an emergency is easy to understand, enabling staff to respond quickly. By eliminating the wasted cost of calling a service person every time there's a problem, this reduces total annual maintenance costs.



Occupancy sensors enabling automatic control for outstanding efficiency

Sensors in the room and on the controller detect the presence or absence of occupants and the opening and closing of windows and doors. While maintaining the optimum air-conditioned environment guests expect, automatic control ensures the most efficient operation when they are away or when windows are open. This contributes to an appreciable reduction in operation costs.

A truly comfortable experience for guests

Easy-to-understand, refined on-screen images enable display of hotel logos and original welcoming messages. Colour and design can also be customized for different facilities to create an even more comfortable environment for guests.



VRF Smart Connectivity Devices

2 types of devices depending on type connection with indoor units wireless or wired.
Wireless connection to indoor unit requires ZigBee interface for indoor unit.

Features

- Up to 5-year battery life, batteries included
- Battery level is a point
- Sensor points visible in SBO when SE8000 is integrated via BACnet MS/TP
- Sensor status and battery level visible in SBE when SE8000 is integrated via ZigBee® Pro
- Integration to SBE only recommended when each MPM is connected to Ethernet and are set as ZigBee® Coordinator nodes



Schneider Electric brand - SE8000



Door/window contact



Wall Motion / Temp sensors



Ceiling motion sensor



CO₂ sensor

Price on application.



Reference / Fault Codes

PACi Fault Codes

Alarm Code	Alarm Meaning
E01	Remote Controller Reception Error
E02	Remote Controller Transmission Error
E03	Error in Indoor Unit Receiving Signal from Remote Controller (central)
E04	Error in Indoor Unit Receiving Signal from the Outdoor Unit
E05	Error in Indoor Unit Transmitting Signal to the Outdoor Unit
E06	Outdoor Unit Failed to Receive Serial Communication Signals from Indoor Unit
E08	Duplicate Indoor Unit Address Settings Error
E09	More Than One Remote Controller Set to Main Error
E12	Automatic Address Setting Start is Prohibited while Auto-address Setting in Progress.
E14	Main Unit duplication in Simultaneous-operation Multi Control (detected outdoor unit)
E15	Automatic Address Alarm (The total capacity of indoor units is too low.)
E16	Automatic Address Alarm (The total capacity of indoor units is too high or the number of indoor units is two or more.)
E18	Faulty Communication in Group Control Wiring
E20	Connection Problem of Indoor/Outdoor Units.

Alarm Code	Alarm Meaning
F04	Compressor Discharge Temperature Sensor (TD) Trouble
F06	Inlet Temperature Sensor (C1) in Heat Exchanger Trouble
F07	Intermediate Temperature Sensor (C2) in Heat Exchanger Trouble
F08	Outdoor Air Temperature Sensor (TO) Trouble
F12	Compressor Inlet Suction Temperature Sensor (TS) Trouble
F31	Outdoor Unit Nonvolatile Memory (EEPROM) Trouble

Alarm Code	Alarm Meaning
H01	Primary (input) Overcurrent Detected
H02	PAM Trouble
H03	Primary Current CT Sensor (current sensor) Failure
H31	HIC Trouble

Alarm Code	Alarm Meaning
L04	Outdoor Unit Address Duplication
L10	Outdoor Unit Capacity not Set or Invalid
L13	Indoor Unit Type Setting Error
L18	4-way Valve Operation Failure

Alarm Code	Alarm Meaning
P03	Compressor Discharge Temperature Trouble
P04	High Pressure Trouble
P05	AC Power Supply Trouble
P13	Alarm Valve Open
P14	O2 Sensor Detect
P15	Insufficient Gas Level Detected
P16	Compressor Overcurrent Trouble
P22	Outdoor Unit Fan Motor Trouble
P29	Lack of INV compressor wiring, INV compressor actuation failure (including locked), DCCT failure
P31	Group Control Error

ECOi MF2 3 - Pipe Fault Codes

Alarm	Alarm Meaning
E01	"Error in receiving serial communication signal. (Signal from main indoor unit in case of group control) Ex: Auto address is not completed."
E02	Error in transmitting serial communication signal.
E03	Indoor unit is detecting error signal from remote controller (and system controller).
E04	"Error in receiving serial communication signal. When turning on the power supply, the number of connected indoor units does not correspond to the number set. (Except R.C. address is "0.")"
E06	Error of the main outdoor unit in receiving serial communication signal from the indoor unit.
E08	Indoor unit address setting is duplicated.
E09	Remote controller address connector (RCU. ADR) is duplicated. (Duplication of main remote controller)
E12	"Starting auto address setting is prohibited. This alarm message shows that the auto address connector CN30 is shorted while other RC line is executing auto address operation."
E18	Error of main indoor unit in receiving serial communication signal from sub indoor units.
E15	Error in auto address setting. (Number of connected indoor units is less than the number set.)
E16	Error in auto address setting. (Number of connected indoor units is more than the number set.)
E20	No indoor unit is connected during auto address setting.
E24	Main outdoor unit is detecting error signal from sub outdoor unit.
E25	Error of outdoor unit address setting.
E26	The number of connected main and sub outdoor units do not correspond to the number set at main outdoor unit PCB.
E27	Improper wiring between main outdoor unit and sub-unit.
E29	Error of sub outdoor unit in receiving serial communication signal from main outdoor unit.
E30	Serial transmission failure of outdoor unit.
E31	Communication failure with MDC
L02	This alarm message shows when an indoor unit for multiple-use is not connected to the outdoor unit.
L03	Duplication of main indoor unit address setting in group control.
L05	Duplicated indoor unit priority (priority indoor unit).
L06	Duplicated indoor unit priority (non-priority indoor unit) and outdoor unit.
L07	Group control wiring is connected to individual control indoor unit.

Alarm	Alarm Meaning
L08	Indoor unit address is not set.
L09	Capacity code of indoor unit is not set.
L04	Duplication of outdoor R.C. address setting.
L10	Capacity code of outdoor unit is not set.
L11	Incorrect wiring of remote group control wiring (in case of shared solenoid valve kit)
L17	Mis-matched connection of outdoor units that have different kinds of refrigerant.
F01	Indoor coil temp. sensor (E1)
F02	Indoor coil temp. sensor (E2)
F03	Indoor coil temp. sensor (E3)
F10	Indoor suction air (room) temp. sensor (TA)
F11	Indoor discharge air temp. sensor (BL)
F04	Comp. No. 1 discharge gas temp. sensor (DISCH1)
F05	Comp. No. 2 discharge gas temp. sensor (DISCH2)
F06	Outdoor No. 1 coil gas temp. sensor (EXG1)
F07	Outdoor No. 1 coil liquid temp. sensor (EXL1)
F08	Outdoor air temp. sensor (TO)
F12	Compressor intake temperature sensor (SCT)
F14	Temp. sensor at refrigerant gas outlet of dual-tube (SCG)
F16	High pressure sensor failure. High pressure trouble.
F17	Low-pressure sensor failure
F23	Outdoor No. 2 coil gas temp. sensor (EXG2)
F24	Outdoor No. 2 coil liquid temp. sensor (EXL2)
P01	Thermal protector in indoor unit fan motor is activated.
P09	Improper wiring connections of ceiling panel.
P10	Float switch is activated.

Alarm	Alarm Meaning
P11	Faulty drain pump. Drain pump locked.
P12	Operation of protective function of fan inverter.
P14	O2 sensor (detects low oxygen level) activated
P02	Compressor thermal protector is activated. Power supply voltage is unusual. (The voltage is more than 260 V or less than 160 V between L and N phase.)
P03	Incorrect discharge temperature. (Comp. No. 1)
P04	High pressure switch is activated.
P05	Negative (defective) phase.
P16	DCCT overcurrent
P17	Incorrect discharge temperature. (Comp. No. 2)
P22	Outdoor unit fan motor is unusual.
P29	Inverter for compressor is unusual. (DC compressor does not operate.)
p31	When alarm message in other indoor units occurs in case of group control, unalarmed state of indoor units are inoperative.
F29	EEPROM on indoor unit PCB failure
F31	EEPROM on the main or sub outdoor unit PCB has failed.
H01	Compressor No. 1 current trouble (overcurrent)
H03	Current is not detected when comp. No. 1 is ON.
H05	Compressor No. 1 discharge temp. sensor disconnected
H11	Compressor No. 2 current trouble (overcurrent)
H12	Compressor No. 2 current trouble (locked)
H13	Compressor No. 2 CT sensor disconnected or short circuit
H15	Compressor No. 2 discharge temp. sensor disconnected
H06	Low pressure switch is activated.
H08	Comp. No. 1 oil sensor
H27	Comp. No. 2 oil sensor
H31	IPM trip (IPM current or temperature)

Nominal and UK conditions

Nominal capacities (kW) specified in this price book are calculated under ISO-T1 (JIS) standard conditions as follows:

Cooling

Indoor temperature 27°CDB, 19°CWB

Outdoor temperature 35°CDB

Heating

Indoor temperature 20°CDB

Outdoor temperature 7°CDB, 6°CWB

UK cooling capacities (kW) specified in this price book are calculated under the following conditions:

Indoor temperature 23°CDB, 16°CWB

Outdoor temperature 30°CDB

UK heating capacities (kW) specified in this price guide are calculated under the following conditions:

Indoor temperature: 20°CDB

Outdoor temperature: 0°CWB

Electrical

Information relating to local power supplies are shown for guidance only and must be subject to IEE regulations as well as site requirements. All three phase supplies to be TPNE.

Energy labelling

All ENER - Lot 10 information is available at http://www.panasonicproclub.com/GB_en/tools/energy-label-generator/

Pipe size

- » 1/4in = 6.35mm
- » 3/8in = 9.52mm
- » 1/2in = 12.70mm
- » 5/8in = 15.88mm
- » 3/4in = 19.05mm
- » 7/8in = 22.22mm
- » 1 1/8in = 28.58mm
- » 1 3/8 = 34.93mm

Conversion data

- » kW x 3412 = btu/h
- » °C x 1.8 + 32 = °F
- » l/s x 3.6 = m³/h
- » bar x 14.51 = psi
- » m² x 10.76 = ft²

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uk-aircon@eu.panasonic.com

Heating & Cooling Solutions

Panasonic Appliances Air Conditioning Europe (PAPAEU)
Panasonic UK, a branch of Panasonic Marketing Europe GmbH
Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of the other refrigerant.
The outdoor units in this catalogue contains fluorinated greenhouse gases with a GWP higher than 150.

