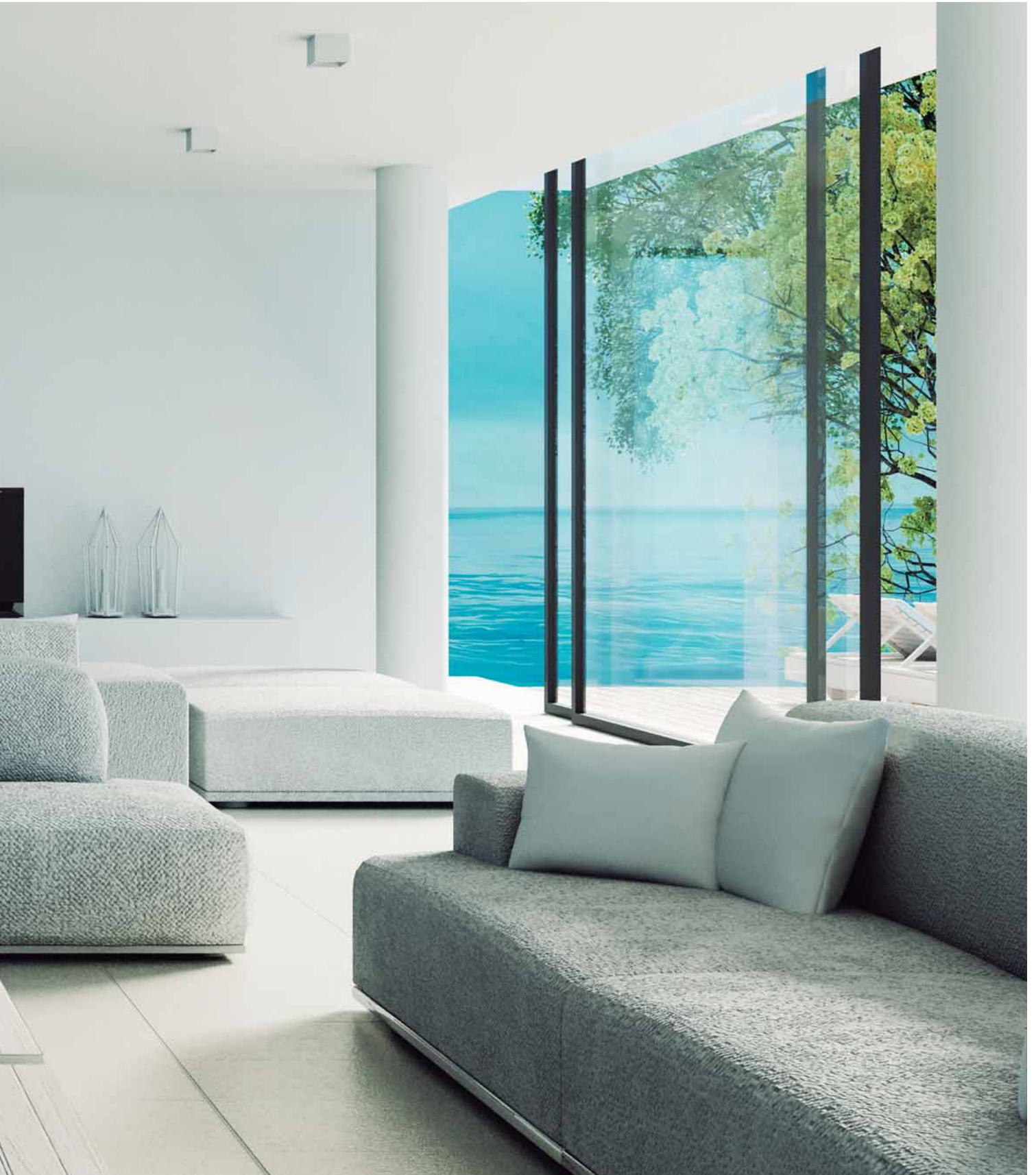


WELCOME TO DOMESTIC RANGE



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.



HIGHLIGHTED FEATURES



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

With its innovative design, high efficiency and advanced purification system, the Etherea range has been designed with your clients in mind.

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 Econavi system; combining human sensor and control program technology to detect and reduce waste of energy by 38%.

Our super silent air conditioners guarantee the purified air to take care of

you and your family. And, for a cleaner living environment, the 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.

Energy saving

38% ECONAVI

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

A+++ 10,50 SEER

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

A+++ 6,20 SCOP

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

INVERTER+

Inverter Plus System classification highlight the Panasonic highest performing systems

R2 ROTARY COMPRESSOR

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

R32 NEW REFRIGERANT GAS

Our heat pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a components refrigerant, making it easy to recycle.

High performance and healthy air

99% nanoe

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

PM2,5 FILTER

Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. This filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen.

19dB(A) SUPER QUIET

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

HUMIDITY CONTROL MILD DRY

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

AEROWINGS

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

-10°C COOLING MODE

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

-15°C HEATING MODE

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

Summer House, this innovative function keeps the house at 8/10 or 8/15°C to avoid freezing pipes during the winter. This function is highly appreciated in summer house or week end houses.

R22 R410A R22 RENEWAL

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

R410A R22 R32 R410A/R22 RENEWAL

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

5 YEARS COMPRESSOR WARRANTY

5 Years Warranty. We guarantee the outdoor unit compressors in the entire range for five years.

High connectivity

INTEGRATION P-LINE

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

INTERNET CONTROL

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.

BMS CONNECTIVITY

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.

R32 REFRIGERANT GAS



A 'small' change that changes everything

Not everyone is ready for change. Indeed, there are some who resist the future.

But at Panasonic we will keep believing in technologies that improve people's lives.

Which is why we are now presenting a generation of air conditioners with R32, an innovative refrigerant in all ways imaginable: it is easy to install, and compared to most other refrigerants it has a much lower environmental impact and saves energy.

The result? Greater wellbeing for people and for the planet. Because there will always be people who resist change. But we say: Goodbye yesterday. Hello R32.

Today Panasonic. Tomorrow everyone.

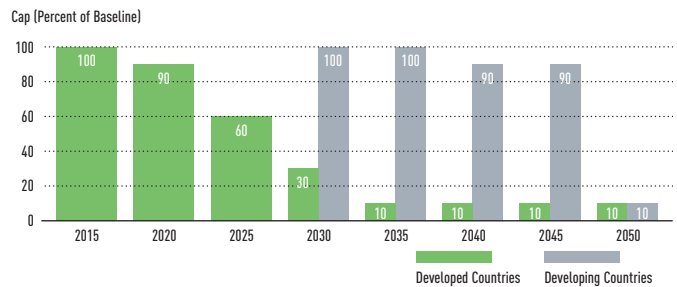
European regulation EU 517/2014 makes the replacement of fluorinated gases (F-gases) compulsory, such as R410A, for environmental reasons,

although it also grants a transition period from 2017 to 2030.

Must we wait? No. Our commitment to innovation is not hampered by dates.

Which is why we are jumping the gun and are now presenting our generation of air conditioners that employ the R32 refrigerant.

HCFC phase-down schedule.



* By replacing R22 with R32 we are significantly reducing the ozone depletion potential of our air conditioners. The use of air conditioning is rapidly increasing in developing countries thus making it increasingly necessary to use refrigerants with low global warming potential.

Goodbye yesterday

The generation of air conditioners with R32 represents innovation in every way.

Shall we list them?

1. Installation innovation.

- Extremely easy to install, practically the same as for the R410A. (Just remember to verify that the pressure gauge and vacuum pump are compatible with the R32)
- This refrigerant is 100% pure, which makes it easier to recycle and reuse

2. Environmental innovation.

- Zero impact on the ozone layer
- 75% less impact on global warming vs R410A

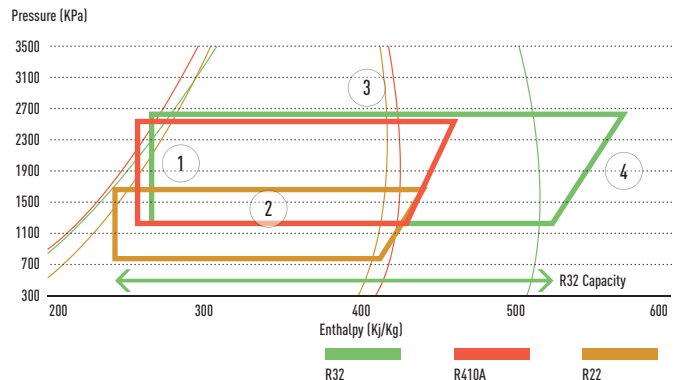
	R410A	R32
Composition	Blend of 50% R32 + 50% R125	100% R32. (No blend)
GWP (Global Warming Potential)	2087,5	675
ODP (Ozone Depletion Potential)	0	0

R32 is a refrigerant with just one-third the global warming potential of R410A, meaning less risk of damage to the environment.

3. Economic and energy consumption innovation.

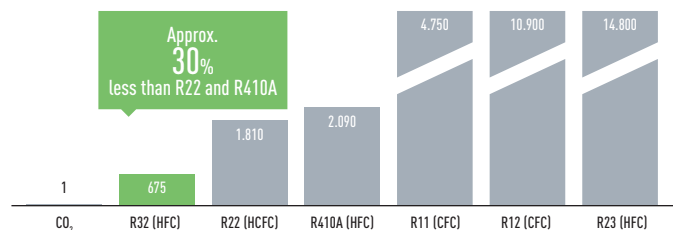
- Lower cost and greater savings:
 - 30% less refrigerant
- Higher energy efficiency than R410A

LCCP: Life Cycle Climate Performance (lower global warming impact). Safety: Low toxicity level.

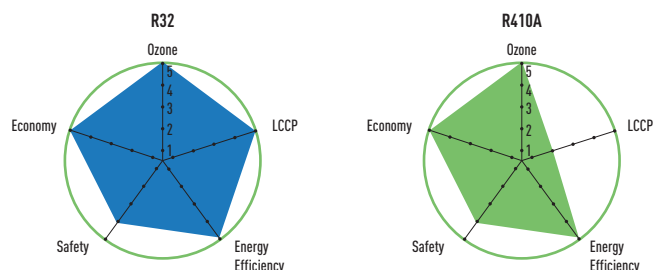


1. Expansion. 2. Evaporation. 3. Condensation. 4. Compression.

100 Year global warming potential of different refrigerants.



IPCC Fourth Assessment Report. Values for 100 years warming potential.



ETHEREA STYLISH AND OUTSTANDING FEATURES



The iF Product Design Awards are among the most prestigious awards for product design excellence. Winning the award thanks to its highly intelligent functionality, the Panasonic Ethera is the ideal air-conditioning system for domestic and commercial applications.



Etherea with Econavi intelligent sensor and nanoe™ air-purifying system: outstanding efficiency A+++, comfort (Super Quiet technology only 19dB(A)) and healthy air combined with a breakthrough design.

Etherea. Perfect outside, perfect inside

The Etherea has an astonishingly slim design.

A breakthrough design that combines perfectly with the most modern environments. We have selected the best materials and processes for a refined design. And now they're available in an elegant metallic or matt silver and matt or gloss white.

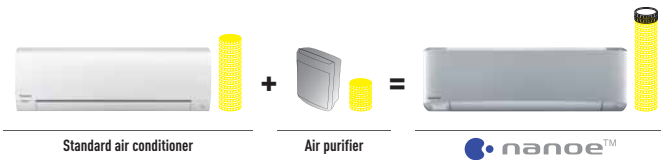


Discover how to achieve energy savings with the Etherea A+++.

Econavi Sensor technology reduces the waste of energy by adjusting the operation of the air conditioner to suit the requirements of the room. With just one touch of a button, you can save energy efficiently with uninterrupted cooling, comfort and convenience.

Get the best for your health with Etherea and nanoe™.

Using nanoe™ with nano-technology, nano-sized electrostatic atomised water particles purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as certain types of bacteria, viruses and mould thus ensuring a cleaner living environment.

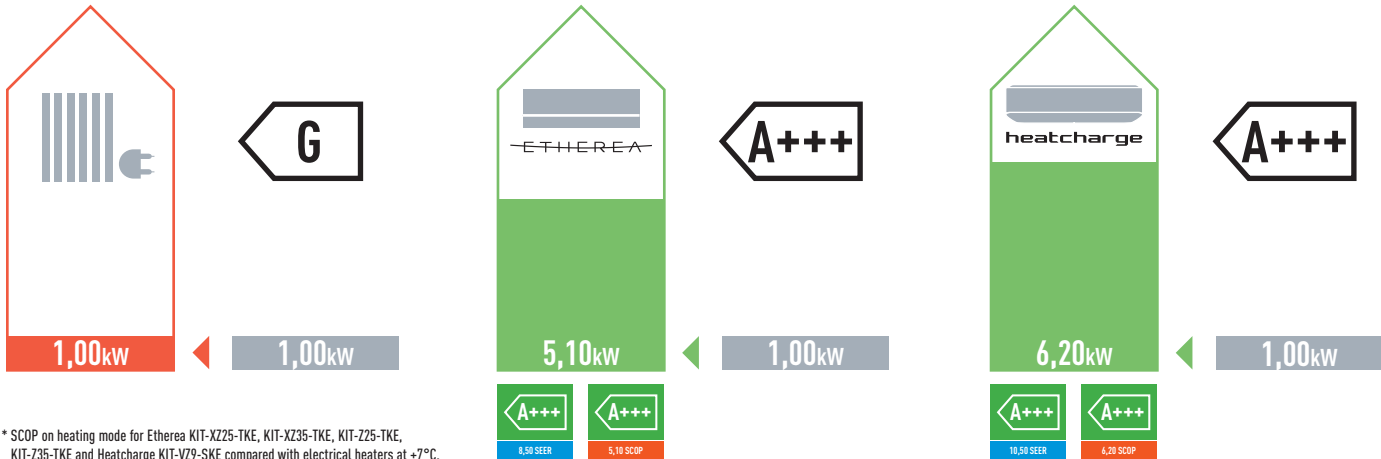


Etherea and Heatcharge performance: highest energy class

Etherea and Heatcharge. Economical, environment-friendly operation high SCOP (Seasonal Coefficient of Performance). Original Panasonic Inverter technology and a high performance compressor provide top-class operating efficiency. This lets you enjoy lower electricity bills while contributing to environmental protection.

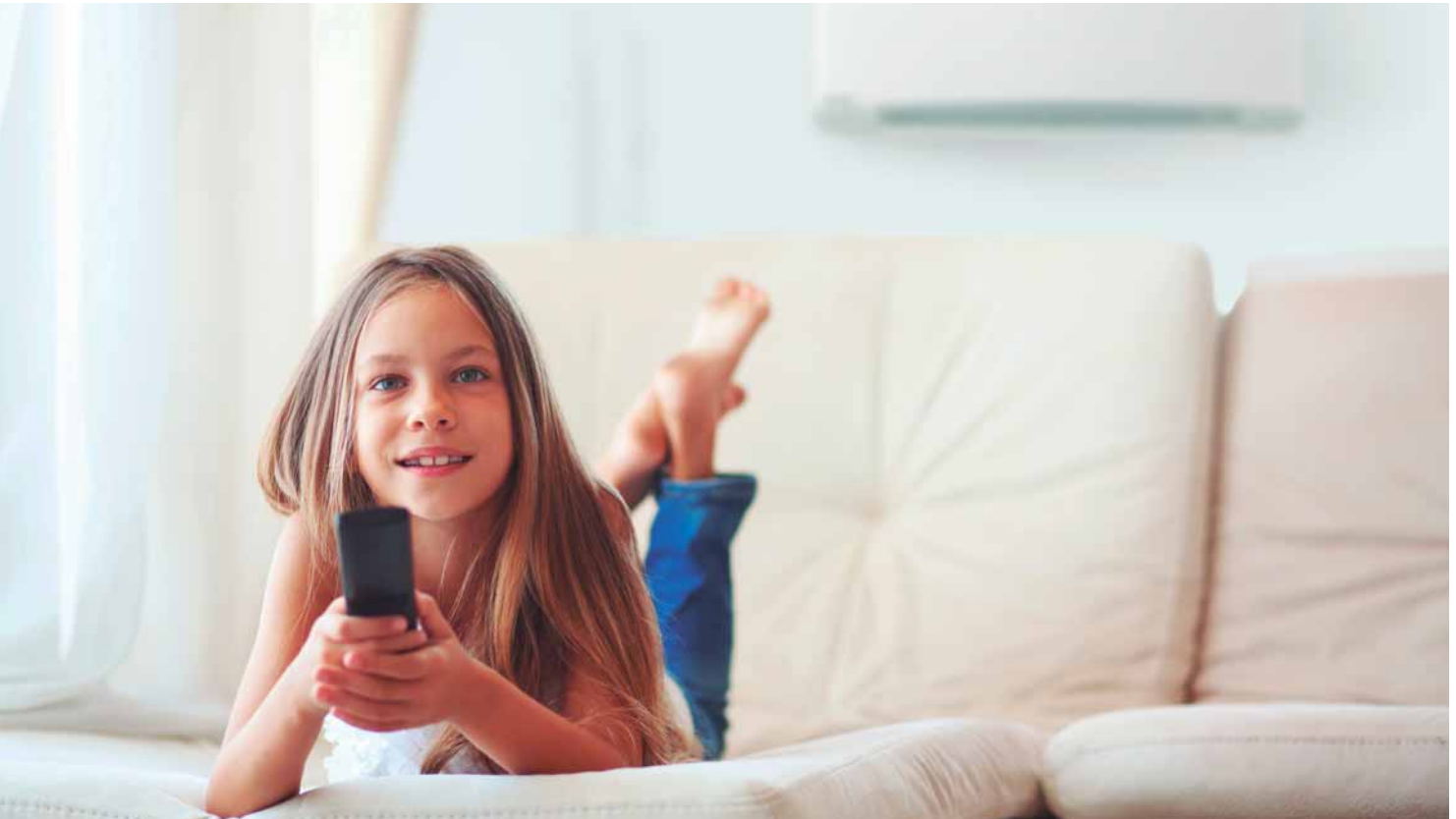


Outstanding savings for your home



* SCOP on heating mode for Etherea KIT-XZ25-TKE, KIT-XZ35-TKE, KIT-Z25-TKE, KIT-Z35-TKE and Heatcharge KIT-VZ9-SKE compared with electrical heaters at +7°C.

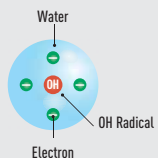
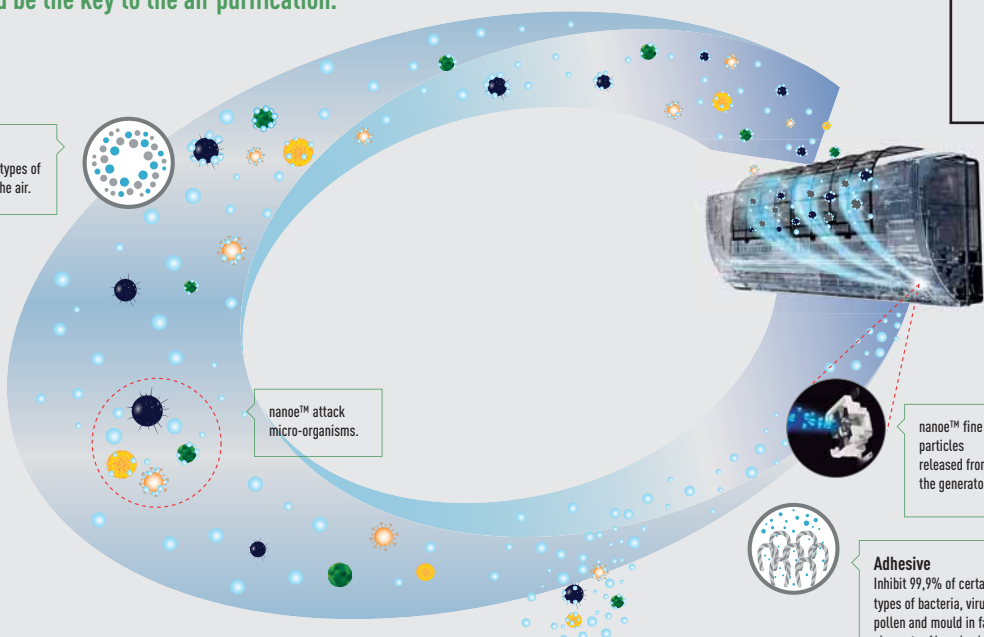
NANO-SIZED ELECTROSTATIC ATOMIZED WATER PARTICLES, NANO^e™, THAT IMPROVE AIR QUALITY



The world is focusing its attention on this breakthrough technology that could be the key to the air purification.

**VIRUS
BACTERIA
POLLEN
INHIBITION**

Airborne
Inhibit 99,9% of certain types of bacteria and viruses in the air.



nano^e™ is nano-sized electrostatic atomized water particles with plentiful OH radicals. Its effectiveness of bacteria inhibition depends on the number of OH radical, which is generated at the rate of 480 billion per second.



Proven benefits of electrostatic atomized water particles, nanoe™, through experiments. The benefits range widely from helping to inhibit certain viruses, bacteria, mould and allergens, but also moisturizing skin. Experiments by universities and research institutions have proven the effects of nanoe™.

Characteristics of nanoe™ Technology

1. Long Life. 6 times longer lifespan than general negative ion. nanoe™ contains moisture around 1000 times more than general negative ion. Being contained in water particles, it has a longer lifespan and is able to spread for a long distance.

Comparison of distribution in the room

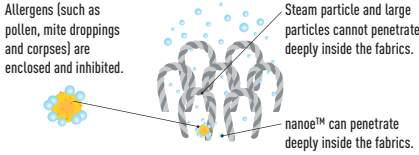


nanoe™
nanoe™ spreads to every corner.

General negative ion
Ions decay before spreading throughout the room.

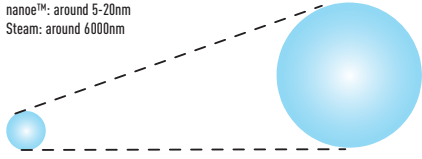
2. Water-originated. nanoe™ comes from condensed moisture in the air so that water replenishment for nanoe™ generation is not required.

nanoe™ is tiny enough to penetrate into clothes for inhibiting mould and deodorizing



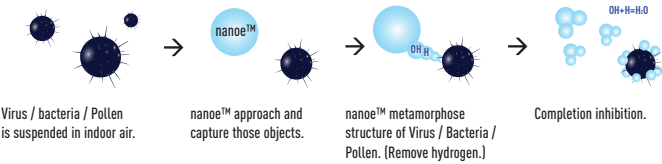
3. Microscopic Scale. With the size of one-billionth of a meter, nanoe™ is much smaller than steam. It can deeply penetrate into cloth fabrics to deodorize.

* 1nm (nanometer) = one billionth of meter.



How does nanoe™ technology help you?

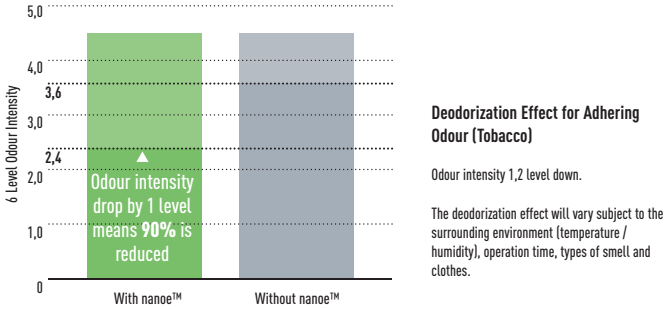
1. Virus / Bacteria / Pollen inhibition. Inhibits certain virus. Influenza virus 99,9% inhibited.



The effectiveness of nanoe™

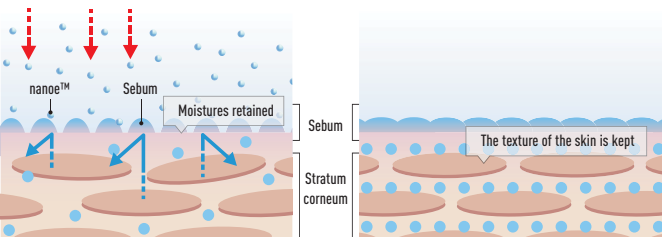
Tested contents	Result (deactivate)	Testing condition		Tested laboratory / company	Report doc No.
		Size	Time		
Airborne	Virus (Coliphage)	99,7%	10m ² 6h	Kitasato research center for Environmental science	KRCES 24_0300_1
	Bacteria (Staphylococcus aureus)	99,7%	10m ² 4h	Kitasato research center for Environmental science	KRCES 24_0301_1
Adhesive	Virus (Coliphage)	99,8%	10m ² 8h	Japan food research laboratories	13001265005-01
	Virus (Influenza)	99,9%	1m ² 2h	Kitasato research center for Environmental science	KRCES 21_0084_1
	Bacteria (Staphylococcus aureus)	99,1%	10m ² 8h	Japan food research laboratories	13044083003-01
	Tobacco odour	Deodorized in 2h	10m ² 2h	Panasonic analysis center	BAA33-130125-D01
Cedar pollen	99%	45L 2h	Panasonic analysis center	E02-080303IN-03	

2. Deodorization. Deodorization effect works with the smell adhered at objects like sofa and curtains. Reduce 90% Odour (tobacco smell) after 120 minutes.



- Test Laboratory: Panasonic Corporation Analysis Center. - Test Methodology: Verifying with 6-level odour intensity indication in 10m² test room. - Deodorization Method: nanoe™ emit. - Test Subject: Adhering Tobacco Smell. - Test Result: 1,2 level of odour intensity is decreased after 120 minutes. - Report No.: BAA33-130125-D01.

3. Moisturing Skin. Helps retain the moisture of the skin.



With nanoe™
nanoe™ hydrate the sebum on the skin to prevent the loss of moistures.

After 28 days
Skin is hydrated that nanoe™ keeps the texture of the skin.

Test Laboratory: FCG Research Institute Inc. Report no. 19104

Reliable technology chosen by the world.
The cutting edge technology of Panasonic's nanoe™ purifying technology has been chosen by Lexus to equip its vehicles for clean indoor air.



ECONAVI INTELLIGENT SENSORS. DISCOVER HOW TO ACHIEVE ENERGY SAVINGS

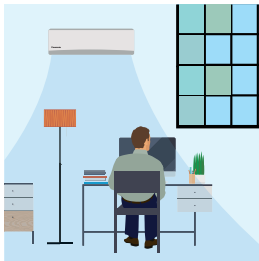




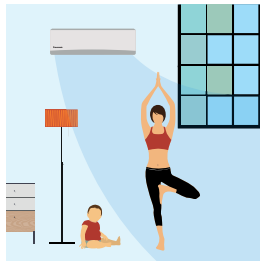
Econavi detects and reduces this waste of energy in all the right ways. Using high-tech sensors and precise control programs, it analyses room conditions and adjusts cooling power accordingly. Econavi is smart enough to locate and operate in all the right places to give you more comfort and better energy savings.

5 Features saving energy all at once: Econavi with intelligent eco sensors

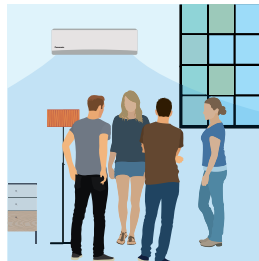
Intelligent Sensors detect potential waste of energy using the Human Activity Sensor and Sunlight Sensor. It is able to monitor human location, movements, absence and sunlight intensity. It then automatically adjusts cooling power to save energy efficiently with uninterrupted heating and cooling comfort and convenience.



Temperature Wave
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.



Area Search
Directs airflow to wherever you are in the room. Econavi detects changes in human movements and reduces the waste of cooling the unoccupied area of the room.



Activity Detection
Adapts cooling power to your daily activities. Econavi detects changes in activity levels and reduces the waste of cooling with unnecessary power.



Absence Detection
Reduces cooling power when you are not around. Econavi detects human absence in the room and reduces the waste of cooling an empty room.



Sunlight Detection
Adjusts cooling power to changes in sunlight intensity.

Econavi sunlight sensor

Sunlight Detection (on Cooling and Heating Mode).

Econavi detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces waste of energy by reducing cooling under less sunny conditions on the cooling mode or reducing heating operation under more sunnier conditions on the heating mode.

Sunlight detection (on cooling mode)

Sunny

Econavi is switched on when it is sunny.

Detect

Econavi detects less cooling power is required.

Reduce waste of energy

Reduces cooling power by an amount equivalent to increasing the set temperature by 1°C.

Sunlight detection (on heating mode)

Cloudy/Night

Econavi is switched on when it is cloudy/night.

Detect

Econavi detects less heating power is required.

Reduce waste of energy

Reduces heating power by an amount equivalent to decreasing the set temperature by 1°C.

Temperature wave

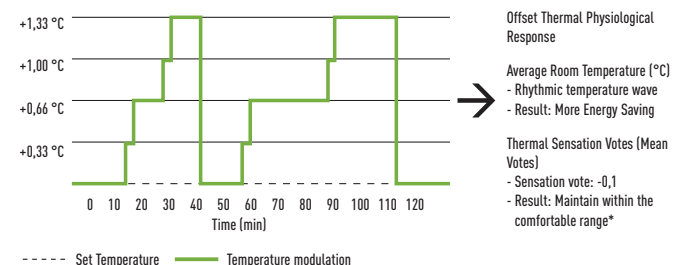
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.

Econavi with Temperature Wave was developed based on an understanding of Thermal Physiology; the human body adapts physiologically to changes in temperature. Taking advantage of this understanding, Panasonic's R&D Centre has developed the Rhythmic Temperature Control pattern, which offsets the air conditioner's performance against thermal physiological responses.

Hence, when Econavi detects human presence and low activity level, Temperature Wave adapts to this rhythmic temperature control to realise further energy savings without sacrificing comfort.

How does temperature wave works?

When Econavi detects low activity



The result of the experiment showed that thermal sensation was maintained within the comfortable range* even though average set temperature was moderately increased. Hence, when Econavi detects human presence and low activity level, Temperature Wave adapts to this rhythmic temperature control to realise further energy saving without sacrificing comfort.

* The thermal condition of which PMV (Predicted Mean Value) is within -0,5 to +0,5 is recommended as comfortable condition (in the condition B) by International Standard EN ISO 7730.



So much saved with so little effort
Up to 38%* energy savings for Inverter cooling model with temperature wave.

PANASONIC R2 ROTARY COMPRESSOR



R2 rotary compressors utilize rolling piston technology. The R2 compressor has been tested in extreme conditions: higher efficiency, single and dual piston, R32 / R410A refrigerant, compact size.

Making the world a cooler place since 1978

Panasonic Rotary Compressors for Room Air Conditioners have been installed in the most demanding environments around the world. Designed to withstand extreme conditions, Panasonic Rotary delivers high performance, efficiency and reliable service, no matter where you are. Panasonic, the world's largest manufacturer of rotary compressors.

Why is the Panasonic R2 Rotary Compressor so efficient?

1. High efficiency motor. The premium silicon steel motor meets industry efficiency requirements.
2. Improved lubrication of high volume oil pump. The extended, high volume oil pump in conjunction with a larger capacity oil reservoir provides superior lubrication.
3. Accumulator has larger refrigerant capacity. The larger accumulator accommodates generous refrigerant amounts needed in longer line length installations.

R2 Compressor Value

About R2 Compressor.

Built upon 36 years of compressor design and production experience, R2 is the next generation of Rotary Compressors for residential central air conditioning. The technology improvements, enhanced materials and simple design ensure R2 compressors are reliable, efficient and quiet. The R2 Compressor delivers quality, comfort and peace of mind in homes around the world.

Panasonic's Rotary Compressors have been life tested in some of the world's most demanding environments. Proven for years many of the most demanding areas of the world, the R2 design is the compressor of choice by contractors and homeowners in these challenging climates. For the high performance that homeowners demand, R2 Rotary Compressors are considered by the industry experts.

Leading Technology.

Used in over 80% of cooling solutions globally, rotary is the world's dominant residential air conditioning compression technology. Panasonic is the leading rotary and residential AC compressor manufacturer in the world, with over 200 million compressors produced.

Benefits.

Central air conditioning delivered with a Panasonic R2 Rotary Compressor ensures a superior level of comfort at an economical cost.

The secret is flexibility. Panasonic Inverter air conditioners have the flexibility to vary the rotation speed of the compressor. This allows it to use less energy to maintain the set temperature while also being able to cool the room quicker at start up. So you can enjoy better savings on your electricity bills while maintaining cooling comfort.

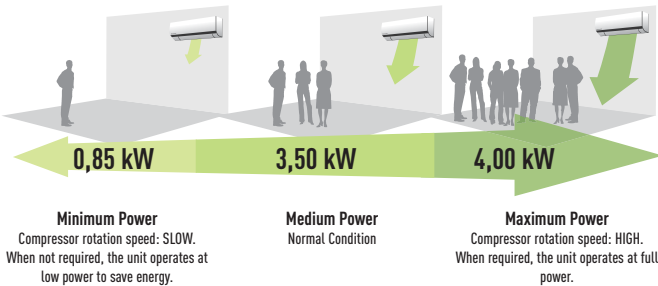
Inverter technology

Great energy-saving performance. Reduces electricity consumption.

Panasonic Inverter air conditioners are designed to give you exceptional energy savings and performance. At the start up of an air conditioner's operation, a boost in power is required to reach the set temperature. After the set temperature is reached, less power is required to maintain it. The Panasonic Inverter air conditioner varies the rotation speed of the compressor. This provides a highly precise method of maintaining the set temperature.

Constant Comfort.

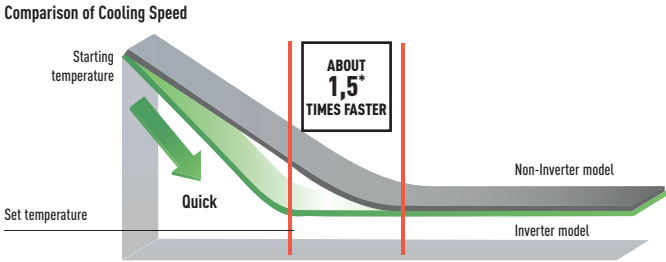
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.



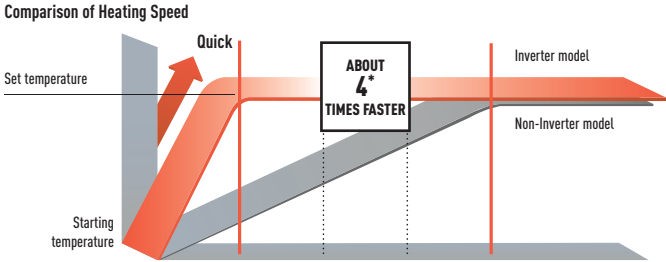
Graph shows the 1,5HP Inverter model's wide power output range during cooling. / Graph shows the 1,5HP Inverter model's wide power output range during cooling.

Quick Comfort.

Panasonic Inverter air conditioners can operate with higher power during the start up period to cool the room 1,5 times faster and heat the room 4 times faster than non-Inverter models.



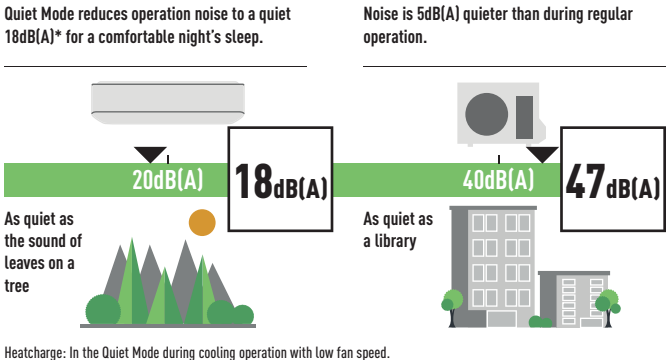
* 1,5HP Inverter vs. non-Inverter. Outside room temperature: 35°C; setting temperature: 25°C



* Comparison of 1,0HP Inverter and Non-Inverter. Outside room temperature: 2°C; Setting temperature: 25°C

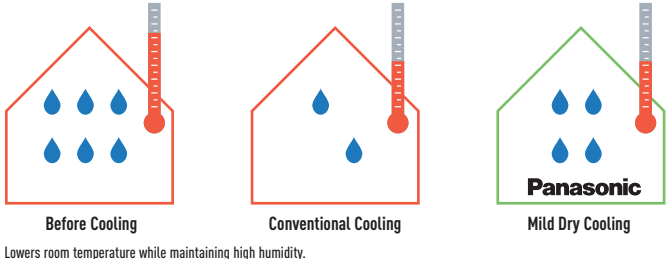
Silent ambient and relaxing atmosphere 18 dB(A)

We have succeeded in making one of the most silent air conditioners on the market. Panasonic Inverter air conditioner's indoor operating noise has been reduced as the Inverter constantly varies its output power to enable more precise temperature control.



Mild Dry Cooling

Mild dry cooling maintains a higher level of relative humidity of up to 10% compared to regular cooling operation. This helps to reduce skin dryness - and a dry throat.



WALL MOUNTED TZ/TE COMPACT STYLE

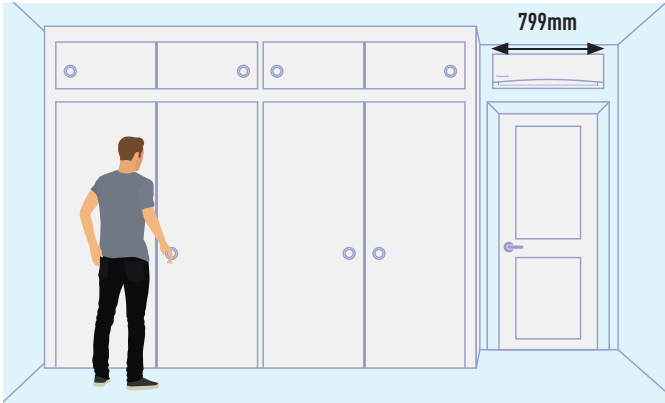


TZ/TE compact indoor size.
The TZ/TE indoor units have compact size. With 799mm of width, you can put the air conditioner on the top of the door.

TZ Inverter models powerful and efficient

Heating power and efficiency.

- R32 gas is more environmentally friendly than R410A
- Complete line-up of standard Inverter models
- Super Quiet! Only 20dB(A)
- High energy savings
- Long connection distance (from 15m up to 30m)
- Wired Controller (optional)



PM2,5 Filter

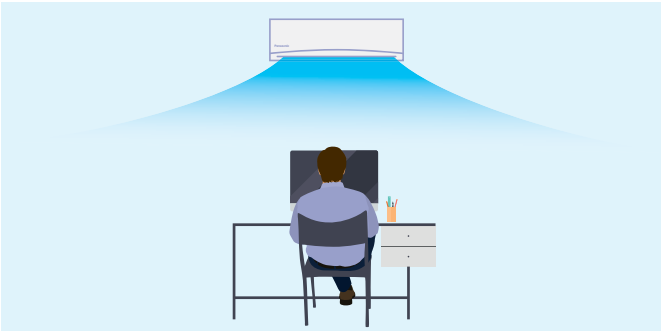
PM2,5 Filter. Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. This filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen. It is able maintain clean the air of the room by deodorization too.

Aerowings

Panasonic's Aerowings feature incorporates two independent blades that concentrate airflow to cool you down in the shortest time possible. This also helps distribute cool air evenly throughout the room.

Superior airflow control. Indirect airflow after reaching set temperature.

Aerowings features two independent blades that give you more control over the direction of the airflow. Without Aerowings, with direct airflow, the target never changes, so you can easily begin to feel too cold as you are subjected to the continuous icy blast.

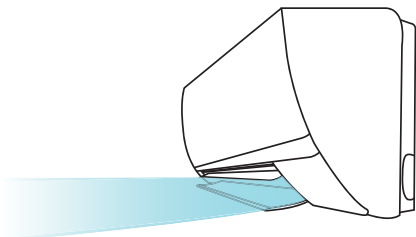


Comfort that goes on and on with Shower Cooling.

After reaching a set temperature, the Aerowings twin blades direct air towards the ceiling to create the Shower Cooling effect. Then, the Human Activity Sensor detects the level of activity and adjusts the temperature to keep you comfortable.

Panasonic Air Conditioners with Aerowings feature an indoor design with wider intake grille and super-high fan speed to produce bigger air volume.

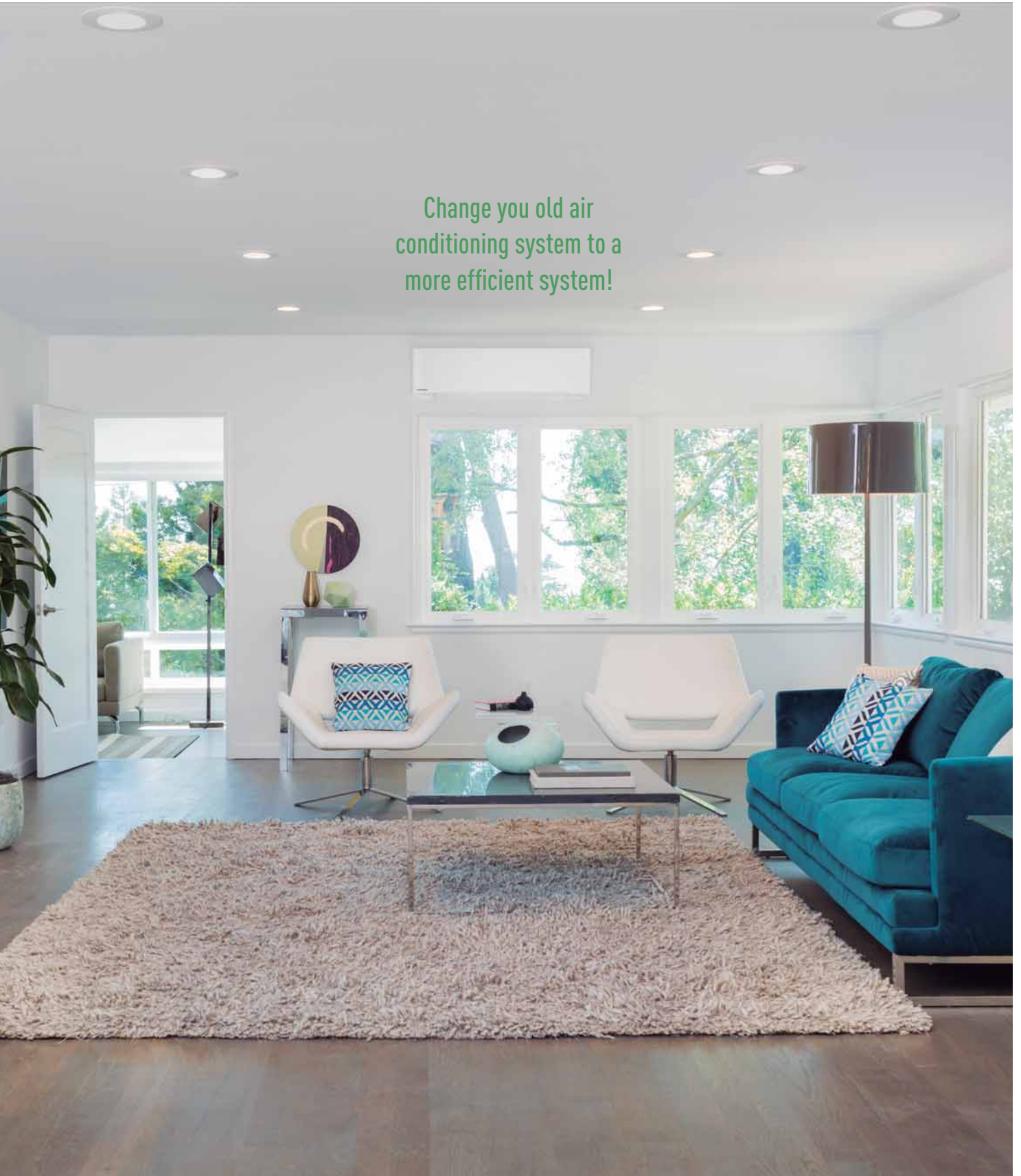
For Shower Cooling.



This ensures cool air is evenly distributed throughout the room and you can stay comfortable without experiencing continuous direct cooling.

R22 RENEWAL. PANASONIC STANDARD UNITS CAN BE INSTALLED ON EXISTING R22 PIPINGS

Change your old air conditioning system to a more efficient system!



An important drive to further reduce the potential damage to our ozone

- All Panasonic standard SKE, TKE and UKE units can be install on existing R22 pipings
- No need of additional accessories (only pipe reduces)
- Approximately 30% energy saving compared to R22 units

Panasonic are doing our part

We at Panasonic are also doing our part – recognising that all finances are under pressure at the moment. Panasonic has developed a clean and cost effective solution to enable this latest legislation to be introduced with as minimum an effect on businesses and cash reserves as possible.

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

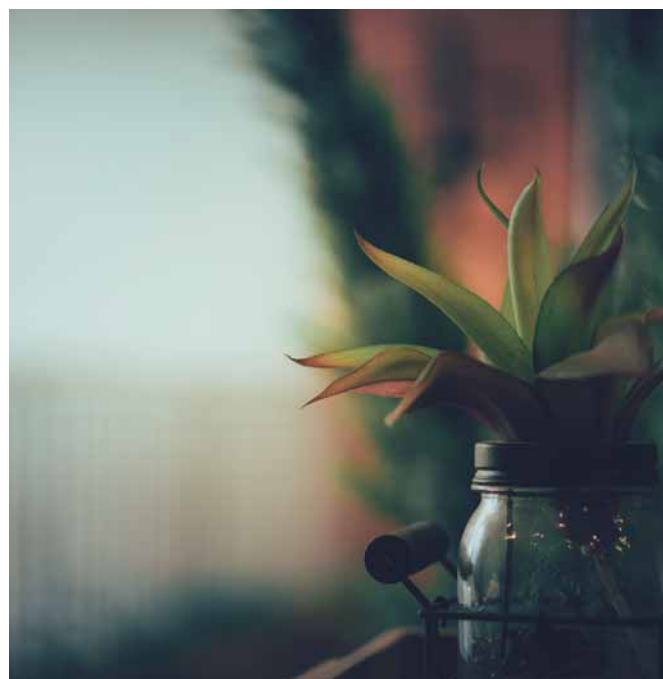
By bringing a simple solution to the problem Panasonic can renew all Split Systems and PACi systems; and depending upon certain restrictions we don't even limit the manufacturer's equipment we are replacing.

By installing a new high efficiency Panasonic R410A / R32 system you can benefit from around 30% running cost saving compared to the R22 system.

Yes...

1. Check the capacity of the system you wish to replace
 2. Select from the Panasonic range the best system to replace it with
 3. Follow the procedure detailed in the brochure and technical data
- Simple...

R22 - The reduction of Chlorine critical for a cleaner future.



Guidance on re-using of existing R22 piping for a new R410A / R32 installation

1. Precaution.

The existing R22 piping can be re-used for a R410A / R32 system installation if the following conditions are met and the piping are finally verified to be:

- Dry (no moisture remained in the piping)
- Clean (no dust remained in the piping)
- Tight (no refrigerant leak at the joining and piping)

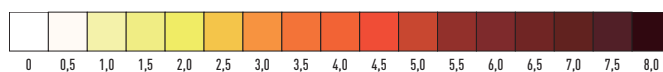
2. Conditions.

- Recover the refrigerant and oil.
- Operate "force cooling" according to the recommended operation time, regardless of the piping length.
- Single split: 10min.
- Multi split: 30min.
- After that, carry out "pump down" to recover the refrigerant and oil from the existing R22 system

* Note: If pump down operation is not possible due to the malfunction of the system, flush and wash the existing piping to collect back the oil and dirt inside the system.

- Check the oil condition.
- If the oil contains dirt, wash the existing pipes
- Check the oil colour.
- After pump down, use a cotton bud to wipe the oil from the existing pipe.
- If the oil colour is higher than ASTM3, use a new pipe as re-use of old piping is not allowed
- Check pipe thickness.
- Make sure that the pipe thickness is more than 0,8mm.
- If the thickness is less than 0,8mm, use a new pipe
- Rework the flare for R410A / R32 connection.
- Do not reuse the old flare nuts.

Deterioration Criteria for Refrigerant Oil



Make sure to use the new flare nuts attached to the R410A / R32 system

* Note: If the existing piping size is 1/4" (6,35mm) and 1/2" (12,7mm), and the new R410A / R32 system is 1/4" (6,35mm) and 3/8" (9,52mm), use a pipe reducer connected at indoor and outdoor unit.

3. Applicable Model.

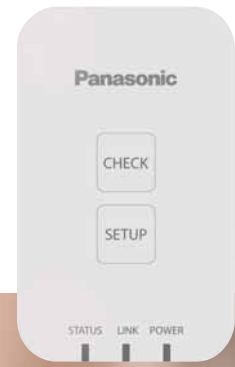
Panasonic single split room air conditioner from CS/CU-RE/UE/YE/XE/CE/NE/E*NKE and PKE series onwards.

Panasonic multi split room air conditioner from CU-2E/3E/4E/5PBE series onwards.

		Liquid			
		Gas	3/8 (9,52)	1/2 (12,70) 5/8 (15,88)	
Split	16 / 20 / 25 / 35	1,6 - 3,5kW	✓	▲	✗
	42 / 50 / 60	4,2 - 6,0kW	✗	✓	▲
	71	6,8 - 7,5kW	✗	✗	✓

- ✓ Standard piping connection with current piping length and refrigerant charge rules.
- ▲ This combinations is allowed respecting maximum piping length and refrigerant charged declared in model installed as new.
- ✗ This combinations is not allowed as it is out of piping diameter.

CONTROL & CONNECTIVITY



New CZ-TACG1 Panasonic Wifi kit: Control your comfort and the power consumption with your smartphone

Control your air conditioning with the smart internet control device via smartphones, tablet and smart desktop phone via internet. Offering even more functions as if you were at home or office: start/stop, mode operation, set temperature, room temperature, weekly timer, etc as well as the new, advanced functionality provided by Internet Control to achieve the best comfort and efficiency with the lowest energy consumption.

Available in 19 European languages: Bulgarian, Croatian, Czech, Danish, Deutsch, English, Estonian, Finnish, Francais, Greek, Hungarian, Italiano, Norwegian, Polish, Portuguese, Slovenian, Spanish, Swedish and Turkish.

NEW
18



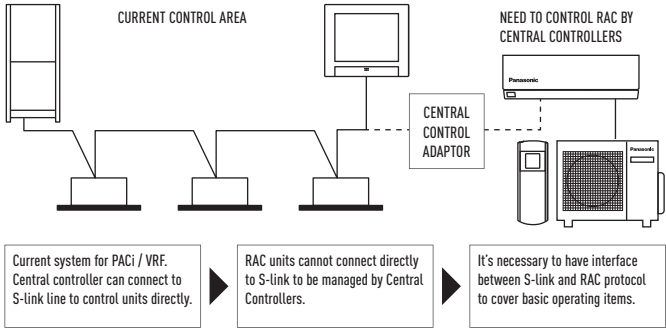
Panasonic offers its customers cutting-edge technology, specially designed to ensure our air conditioning systems deliver even higher performance. You can properly manage the air conditioning and perform comprehensive monitoring and control, with all of the features the remote controller provides at home, from anywhere in the world thanks to the internet applications Panasonic has created for you.

Domestic integration to P-Line - CZ-CAPRA1

Can connect all ranges to P-Line. Full control is now possible.

Integrates any unit in big system control.

- PKEA Server room integration
- Small offices with Domestic indoors
- Tender for refurbishment (old system Domestic and VRF in one installation)



Basic operation items: ON/OFF, Mode select, Temperature setting, Fan speed, Flap setting, Remote control prohibit, Econavi ON/OFF.

External input: ON/OFF control signal, Abnormal stop signal.

External output for Relay¹: Operation status (ON/OFF), Alarm status output.

1) Because current CN-CNT connector can not provide the power for external output relay, additional Input power for external relay is necessary.

Connectivity. Control by BMS

Great flexibility for integration into your KNX, EnOcean, Modbus and BacNet projects allows fully bi-directional monitoring and control of all the functioning parameters.

Reference	KNX [®] PAW-AC-KNX-1i	Modbus [®] PAW-AC-MBS-1	enOcean [®] PAW-AC-ENO-1i	BACnet [™] PAW-AC-BAC-1 ¹
Quick installation and possibility of hidden installation	✓	✓	✓	✓
External power not required	✓	✓	✓	✓
Direct connection to the AC indoor unit	✓ (Split or Multi Split)	✓ (Split or Multi Split)	✓ (Split)	✓
Control and monitoring of the internal variables of the indoor unit and error codes and indication	✓ Fully compatible	✓ Fully compatible	✓ Fully compatible	
Use the AC ambient temperature or the one measured by external sensor	✓	✓	✓	
AC unit can be controlled simultaneously by the remote controller of the AC unit and interface devices	✓	✓	✓	
Advanced control functions	✓	✓	✓	
4 binary inputs. They work as standard interface binary inputs as well as being used to control the AC directly	✓	✓	✓	
Total Control and Supervision. Real states of the AC unit's internal variables				✓

1) This interface allows a complete and natural integration of Panasonic air conditioners into either BACnet IP or MS/TP networks. Is a BTL certified device.

PAW-AC-DIO

Dry contact ON/OFF Interface. Panasonic has developed for hotels applications a dry contact PCB which works with Etherea, RE, UE and YE indoor units in order to control simply the unit centrally.

- ON/OFF signal by 3rd party BMS
- PCB connected to CN-RMT port on indoor unit PCB














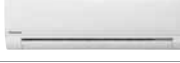
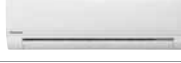








Easy connectivity





















CN-CNT easy to access. Previous Etherea indoor unit had to be dismantle to reach connector. Can easier connect: Wireless accessory / KNX / Modbus / CZ-CAPRA1 to integrate to PACi control.














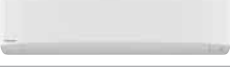

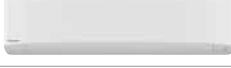





Model name	Interface
CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link
PAW-IR-WIFI-1	Interface by Infra red sensor, only ON/OFF and temperature setting
PAW-AC-ENO-1i	EnOcean interface for TKE and UKE models
PAW-AC-KNX-1i	KNX interface for TKE and UKE models
PAW-AC-MBS-1	Modbus interface for TKE and UKE models
PAW-AC-BAC-1	BacNet interface for TKE and UKE models
PAW-AC-HEAT-1	Heating only PCB for Etherea, 4-Way 60x60 Cassette and Low static pressure hide away
PAW-AC-DIO	PCB for wall mounted with dry contacts, On/Off, Error message (all OKE and RKE wall mounted)
PAW-SMSCONTROL	Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card)














DOMESTIC AIR CONDITIONER RANGE R32

Page	1x1 Kits	2,0kW	2,5kW	3,5kW
P. 98	Wall Mounted Heatcharge VZ Inverter+ • R32 GAS		 KIT-VZ9-SKE	 KIT-VZ12-SKE
P. 99	Wall Mounted Etherea Inverter+ Silver • R32 GAS	 KIT-XZ20-TKE	 KIT-XZ25-TKE	 KIT-XZ35-TKE
P. 99	Wall Mounted Etherea Inverter+ Pure White Matt • R32 GAS	 KIT-Z20-TKE	 KIT-Z25-TKE	 KIT-Z35-TKE
P. 100	Wall Mounted TZ Compact Style • R32 GAS	 KIT-TZ20-TKE-1	 KIT-TZ25-TKE-1	 KIT-TZ35-TKE-1
P. 101	NEW Wall Mounted FZ Type Standard Inverter • R32 GAS		 KIT-FZ25-UKE	 KIT-FZ35-UKE
P. 102	Wall Mounted PZ Type Standard Inverter • R32 GAS		 KIT-PZ25-TKE	 KIT-PZ35-TKE
P. 103	NEW Wall Mounted Professional Inverter -20°C • R32 GAS		 KIT-Z25-TKEA	 KIT-Z35-TKEA
P. 104	NEW Floor Console Type Inverter+ • R32 GAS		 KIT-Z25-UFE	 KIT-Z35-UFE
P. 106	NEW 4 Way 60x60 Cassette Standard Inverter • R32 GAS		 KIT-Z25-UB4	 KIT-Z35-UB4
P. 107	NEW Low Static Pressure Hide Away Standard Inverter • R32 GAS		 KIT-Z25-UD3	 KIT-Z35-UD3

Page	Free Multi	1,6kW	2,0kW	2,5kW	3,5kW
P. 113	Etherea Silver		 CS-XZ20TKEW	 CS-XZ25TKEW	 CS-XZ35TKEW
P. 113	Etherea Pure White Matt	 CS-MZ16TKE	 CS-Z20TKEW	 CS-Z25TKEW	 CS-Z35TKEW
P. 113 P. 114	TZ Compact Style	 CS-MTZ16TKE	 CS-TZ20TKEW-1	 CS-TZ25TKEW-1	 CS-TZ35TKEW-1
P. 113	NEW Floor Console Type		 CS-MZ20UFEA	 CS-Z25UFEAW	 CS-Z35UFEAW
P. 113	NEW 4 Way 60x60 Cassette		 CS-MZ20UB4EA	 CS-Z25UB4EAW	 CS-Z35UB4EAW
P. 113	NEW Low Static Pressure Hide Away		 CS-MZ20UD3EA	 CS-Z25UD3EAW	 CS-Z35UD3EAW

Page	Free Multi	3,2~6,0kW	3,2~6,0kW	3,2~7,7kW	4,5~9,5kW	4,5~11,2kW	4,5~11,5kW	4,5~14,7kW	4,5~18,3kW
P. 112	Outdoor unit Free Multi System Z	 CU-2235TBE	 CU-2241TBE	 CU-2250TBE	 CU-3252TBE	 CU-3268TBE	 CU-4268TBE	 CU-4280TBE	 CU-5290TBE

4,2kW	5,0kW	6,0kW	7,1kW
	 KIT-XZ50-TKE		
 KIT-Z42-TKE	 KIT-Z50-TKE		 KIT-Z71-TKE
 KIT-TZ42-TKE-1	 KIT-TZ50-TKE	 KIT-TZ60-TKE	 KIT-TZ71-TKE
	 KIT-FZ50-UKE	 KIT-FZ60-UKE	
	 KIT-PZ50-TKE		
 KIT-Z42-TKEA	 KIT-Z50-TKEA		 KIT-Z71-TKEA
	 KIT-Z50-UFE		
	 KIT-Z50-UB4	 KIT-Z60-UB4	
	 KIT-Z50-UD3	 KIT-Z60-UD3	

4,2kW	5,0kW	6,0kW	7,1kW
	 CS-XZ50TKEW		
 CS-Z42TKEW	 CS-Z50TKEW		 CS-Z71TKEW
 CS-TZ42TKEW-1	 CS-TZ50TKEW	 CS-TZ60TKEW	 CS-TZ71TKEW
	 CS-Z50UFEAW		
	 CS-Z50UB4EAW	 CS-Z60UB4EAW	
	 CS-Z50UD3EAW	 CS-Z60UD3EAW	

Page Multi Wall TZ 3,2~6,0kW 3,2~7,7kW 4,5~9,5kW

P. 114 Outdoor unit Multi TZ for wall TZ indoors



CU-2TZ41TBE



CU-2TZ50TBE



CU-3TZ52TBE

Splits 1x1

R32

WALL MOUNTED ETHEREA
INVERTER+ SILVER / PURE
WHITE MATT • R32 GAS



ETHEREA

Etherea with enhanced Econavi sensor and nano™ air-purifying system

Econavi features an in-built human activity sensor and a sunlight detection technology to adjust output thereby giving you the best comfort at anytime whilst saving energy. Econavi not only optimizes air flow orientation and volume according to human presence, it also reduces cooling power automatically by no/less sunshine. With Econavi, additional energy savings can be reached up to 38%, whilst increasing your comfort. Furthermore, the nano™ revolutionary air-purifying system utilises nano technology fine particles to remove and deactivate 99% of certain airborne and adhesive micro-organisms like bacteria, viruses and mould.

Technical focus

- R32 gas is more environmentally friendly than R410A
- Econavi sensor: Even higher efficiency and great comfort
- nano™ air purifying system, 99% effective to certain airborne and adhesives mould, viruses, bacteria and pollen allergen
- Aerowings to control air draft direction
- Mild Dry Cooling: prevent a rapid decrease in room humidity
- Super Quiet! Only 19dB(A), equivalent to night-time in the countryside
- More powerful airflow to quickly reach the desired temperature
- Wired control (Optional)
- Smartphone control (Optional)



Tentative data

Kit Silver		KIT-XZ20-TKE	KIT-XZ25-TKE	KIT-XZ35-TKE	—	KIT-XZ50-TKE	—	
Kit Pure White Matt		KIT-Z20-TKE	KIT-Z25-TKE	KIT-Z35-TKE	KIT-Z42-TKE	KIT-Z50-TKE	KIT-Z71-TKE	
Cooling capacity	Nominal (Min - Max)	kW	2,05 [0,75 - 2,40]	2,50 [0,85 - 3,20]	3,50 [0,85 - 4,00]	4,20 [0,85 - 5,00]	5,00 [0,98 - 6,00]	7,10 [0,98 - 8,50]
EER ¹⁾	Nominal (Min - Max)	W/W	4,56 [3,13 - 4,32]A	4,81 [3,54 - 4,05]A	4,22 [3,54 - 3,81]A	3,39 [3,27 - 3,18]A	3,55 [3,50 - 3,08]A	3,27 [2,33 - 2,93]A
SEER ²⁾		W/W	7,50 A+++	8,50 A+++	8,50 A+++	6,90 A++	7,90 A+++	6,50 A++
Pdesign (cooling)		kW	2,1	2,5	3,5	4,2	5,0	7,1
Input power cooling	Nominal (Min - Max)	kW	0,45 [0,24 - 0,56]	0,52 [0,24 - 0,79]	0,83 [0,24 - 1,05]	1,24 [0,26 - 1,57]	1,41 [0,28 - 1,95]	2,17 [0,42 - 2,90]
Annual energy consumption ³⁾		kWh/a	98	103	144	213	222	382
Heating capacity	Nominal (Min - Max)	kW	2,80 [0,70 - 4,00]	3,40 [0,80 - 5,00]	4,00 [0,80 - 5,80]	5,30 [0,80 - 6,80]	5,80 [0,98 - 8,00]	8,60 [0,98 - 10,20]
Heating capacity at -7°C		kW	2,38	2,95	3,40	4,11	4,80	6,31
COP ¹⁾	Nominal (Min - Max)	W/W	4,52 [3,89 - 4,04]A	4,79 [4,44 - 3,97]A	4,44 [4,44 - 3,87]A	3,68 [4,21 - 3,51]A	4,03 [2,88 - 3,16]A	3,66 [2,45 - 3,46]A
SCOP ²⁾		W/W	4,70 A++	5,10 A+++	5,10 A+++	4,00 A+	4,70 A++	4,20 A+
Pdesign at -10°C		kW	2,1	2,7	3,2	3,6	4,2	5,5
Input power heating	Nominal (Min - Max)	kW	0,62 [0,18 - 0,99]	0,71 [0,18 - 1,26]	0,90 [0,18 - 1,50]	1,44 [0,19 - 1,94]	1,44 [0,34 - 2,53]	2,35 [0,40 - 2,95]
Annual energy consumption ³⁾		kWh/a	626	741	878	1260	1251	1833
Indoor unit Silver		CS-XZ20TKEW	CS-XZ25TKEW	CS-XZ35TKEW	—	CS-XZ50TKEW	—	
Indoor unit Pure White Matt		CS-Z20TKEW	CS-Z25TKEW	CS-Z35TKEW	CS-Z42TKEW	CS-Z50TKEW	CS-Z71TKEW	
Power source		V	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20
Connection indoor / outdoor		mm ²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Air volume	Cool / Heat	m ³ /min	9,9/10,8	10,0/11,5	10,7/12,4	11,2/12,3	19,2/21,3	19,8/21,5
Moisture removal volume		L/h	1,3	1,5	2,0	2,4	2,8	4,1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/24/19	39/25/19	42/28/19	43/31/25	44/37/30	47/38/30
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/25/19	41/27/19	43/33/19	43/35/29	44/37/30	47/38/30
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	10	10	12	13
Outdoor unit		CU-Z20TKE	CU-Z25TKE	CU-Z35TKE	CU-Z42TKE	CU-Z50TKE	CU-Z71TKE	
Air volume	Cool / Heat	m ³ /min	26,9/26,9	28,7/28,7	34,4/35,6	33,3/33,7	39,7/38,6	44,7/45,8
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	45/46	46/47	48/50	49/51	47/47	52/54
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	30	31	34	32	42	49
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)
Pipe length range		m	3~15	3~15	3~15	3~15	3~20	3~30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	7,5	10
Additional gas amount		g/m	10	10	10	10	15	25
Refrigerant (R32)		kg/TCO ₂ Eq.	0,76/0,513	0,85/0,574	0,91/0,614	0,87/0,587	1,11/0,749	1,37/0,925
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link

Accessories	
CZ-RD514C	Wired remote controller for wall mounted

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. * Tentative data.



SEER and SCOP: For KIT-XZ25-TKE, KIT-XZ35-TKE, KIT-Z25-TKE and KIT-Z35-TKE. SUPER QUIET: For KIT-XZ20-TKE, KIT-XZ25-TKE, KIT-XZ35-TKE, KIT-Z20-TKE, KIT-Z25-TKE and KIT-Z35-TKE. INTERNET CONTROL: Optional. iF DESIGN AWARD 2017: Etherea White awarded with the prestigious iF Design Award 2017.

WALL MOUNTED TZ COMPACT STYLE INVERTER

• R32 GAS



TZ compact indoor size

The TZ indoor units have compact size. With 799mm of width, you can put the air conditioner on the top of the door.

The TZ Inverter models are powerful and efficient, with a high energy efficiency class of A++ / A+. The TZ works in cooling mode from -10°C outdoors and -15°C in heating with a high efficiency. Furthermore, the PM2,5 filter and the low operation noise is making this TZ Series a great choice in the compact category.

Technical focus

- Compact design with 799mm
- R32 gas is more environmentally friendly than R410A
- Aerowings to control air draft direction
- PM2,5 Filter to create clean and comfort indoor quality
- Complete line-up of standard Inverter models
- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R410A and R22 pipings
- Long connection distance (from 15m up to 30m)
- Wired control (Optional)
- Smartphone control (Optional)

Kit			KIT-TZ20-TKE-1	KIT-TZ25-TKE-1	KIT-TZ35-TKE-1	KIT-TZ42-TKE-1	KIT-TZ50-TKE	KIT-TZ60-TKE	KIT-TZ71-TKE
Cooling capacity	Nominal (Min - Max)	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)	5,00(0,98 - 5,60)	6,30(0,98 - 7,10)	7,10(0,98 - 8,10)
EER ¹⁾	Nominal (Min - Max)	W/W	4,08(3,00 - 4,00)A	3,85(3,40 - 3,41)A	3,57(3,33 - 3,36)A	3,36(3,21 - 2,80)A	3,40(3,44 - 3,24)A	3,26(3,50 - 2,98)A	3,17(2,33 - 3,03)B
SEER ²⁾		W/W	6,80 A++	6,90 A++	6,70 A++	6,30 A++	6,80 A++	6,50 A++	6,10 A++
Pdesign (cooling)		kW	2,0	2,5	3,5	4,2	5,0	6,3	7,1
Input power cooling	Nominal (Min - Max)	kW	0,49(0,25 - 0,60)	0,65(0,25 - 0,88)	0,98(0,26 - 1,16)	1,25(0,27 - 1,64)	1,47(0,29 - 1,73)	1,93(0,28 - 2,38)	2,24(0,42 - 2,67)
Annual energy consumption ³⁾		kWh/a	103	127	183	233	257	339	407
Heating capacity	Nominal (Min - Max)	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)	5,80(0,98 - 7,80)	7,20(0,98 - 8,50)	8,60(0,98 - 9,90)
Heating capacity at -7°C		kW	2,14	2,70	3,30	3,90	4,79	5,24	6,13
COP ¹⁾	Nominal (Min - Max)	W/W	4,15(3,78 - 3,53)A	4,18(4,10 - 3,66)A	4,04(4,00 - 3,70)A	3,73(4,00 - 3,33)A	3,77(2,88 - 3,39)A	3,44(2,88 - 3,15)B	3,51(2,45 - 3,47)B
SCOP ²⁾		W/W	4,60 A++	4,60 A++	4,60 A++	4,00 A+	4,30 A+	4,20 A+	4,00 A+
Pdesign at -10°C		kW	1,9	2,4	2,8	3,6	4,0	4,6	5,5
Input power heating	Nominal (Min - Max)	kW	0,65(0,19 - 1,02)	0,79(0,20 - 1,12)	0,99(0,20 - 1,38)	1,34(0,20 - 2,04)	1,54(0,34 - 2,30)	2,09(0,34 - 2,70)	2,45(0,40 - 2,85)
Annual energy consumption ³⁾		kWh/a	578	730	852	1260	1302	1533	1925
Indoor unit			CS-TZ20TKEW-1	CS-TZ25TKEW-1	CS-TZ35TKEW-1	CS-TZ42TKEW-1	CS-TZ50TKEW	CS-TZ60TKEW	CS-TZ71TKEW
Air volume	Cool / Heat	m ³ /min	9,6/10,6	10,5/11,4	11,3/12,1	12,3/12,9	19,9/20,8	20,8/21,4	20,0/22,0
Moisture removal volume		L/h	1,3	1,5	2,0	2,4	2,8	3,5	4,1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/25/20	40/26/20	42/30/20	44/31/29	44/37/34	45/37/34	47/38/35
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/26/22	40/27/22	42/33/22	44/35/28	44/37/34	45/37/34	47/38/35
Dimension	H x W x D	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	302 x 1102 x 244	302 x 1102 x 244	302 x 1102 x 244
Net weight		kg	8	8	8	8	12	12	13
Outdoor unit			CU-TZ20TKE-1	CU-TZ25TKE-1	CU-TZ35TKE-1	CU-TZ42TKE-1	CU-TZ50TKE	CU-TZ60TKE	CU-TZ71TKE
Power source		V	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20
Connection indoor / outdoor		mm ²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5	4 x 2,5
Air volume	Cool / Heat	m ³ /min	28,9/27,4	29,0/27,6	29,1/30,2	33,6/34,0	33,0/32,2	42,6/41,5	44,7/48,1
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	47/48	48/50	49/51	48/49	49/49	52/54
		mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	27	28	33	34	40	42	49
Piping connections	Liquid pipe	Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)
	Gas pipe	Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)	1/2(12,70)	1/2(12,70)	1/2(12,70)	5/8(15,88)
Pipe length range		m	3~15	3~15	3~15	3~15	3~20	3~30	3~30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	7,5	7,5	10
Additional gas amount		g/m	10	10	10	10	15	15	25
Refrigerant (R32)		kg/TCO ₂ Eq.	0,61/0,412	0,70/0,473	0,82/0,554	0,87/0,587	1,14/0,770	1,11/0,749	1,32/0,891
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

- CZ-TACG1** NEW Panasonic Wifi kit for internet control
- CZ-CAPRA1** RAC interface adapter for integration into P Link

Accessories

- CZ-RD514C** Wired remote controller for wall mounted

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-TZ25-TKE-1. SUPER QUIET: For KIT-TZ20-TKE-1, KIT-TZ25-TKE-1 and KIT-TZ35-TKE-1. INTERNET CONTROL: Optional.

WALL MOUNTED PZ TYPE STANDARD INVERTER • R32 GAS



PZ Inverter models are powerful and efficient



Technical focus

- R32 gas is more environmentally friendly than R410A
- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R410A and R22 pipings
- Long connection distance
- Wired control (Optional)
- Smartphone control (Optional)

Kit			KIT-PZ25-TKE	KIT-PZ35-TKE	KIT-PZ50-TKE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,40 (0,85 - 3,90)	5,00 (0,98 - 5,40)
EER ¹⁾	Nominal (Min - Max)	W/W	3,62 (3,40 - 3,30) A	3,09 (3,33 - 3,00) B	2,98 (3,44 - 2,86) C
SEER ²⁾		W/W	5,80 ³⁾	5,60 ³⁾	6,00 ³⁾
Pdesign (cooling)		kW	2,5	3,4	5,0
Input power cooling	Nominal (Min - Max)	kW	0,69 (0,25 - 0,91)	1,10 (0,26 - 1,30)	1,68 (0,29 - 1,89)
Annual energy consumption ³⁾		kWh/a	151	213	292
Heating capacity	Nominal (Min - Max)	kW	3,15 (0,80 - 3,60)	3,84 (0,80 - 4,40)	5,40 (0,98 - 7,50)
Heating capacity at -7°C		kW	2,14	2,60	4,58
COP ¹⁾	Nominal (Min - Max)	W/W	4,09 (4,10 - 3,50) A	3,69 (4,10 - 3,46) A	3,44 (2,80 - 3,07) B
SCOP ²⁾		W/W	4,10 ³⁾	4,10 ³⁾	4,00 ³⁾
Pdesign at -10°C		kW	1,9	2,4	4,0
Input power heating	Nominal (Min - Max)	kW	0,77 (0,20 - 1,03)	1,04 (0,20 - 1,27)	1,57 (0,35 - 2,44)
Annual energy consumption ³⁾		kWh/a	649	820	1366
Indoor unit			CS-PZ25TKE	CS-PZ35TKE	CS-PZ50TKE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm ²	4x1,5	4x1,5	4x1,5
Air volume	Cool / Heat	m ³ /min	10,3/11,0	10,7/11,2	11,6/12,5
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/26/20	38/30/20	44/37/34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37/27/24	38/33/25	44/37/34
Dimension	HxWxD	mm	290x850x199	290x850x199	290x870x214
Net weight		kg	8	8	9
Outdoor unit			CU-PZ25TKE	CU-PZ35TKE	CU-PZ50TKE
Air volume	Cool / Heat	m ³ /min	30,5/30,5	31,1/31,1	32,7/32,7
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48/49	48/50	48/49
Dimension ⁵⁾	HxWxD	mm	542x780x289	542x780x289	619x824x299
Net weight		kg	26	27	38
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 - 15	3 - 15	3 - 15
Elevation difference (in/out) ⁶⁾		m	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32)		kg/TCO ₂ Eq.	0,58/0,392	0,67/0,452	1,14/0,770
Operating range	Cool Min ~ Max	°C	+5 ~ +43	+5 ~ +43	+5 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Line

Accessories	
CZ-RD514C	Wired remote controller for wall mounted

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER: For KIT-PZ50-TKE. SCOP: For KIT-PZ25-TKE and KIT-PZ35-TKE. SUPER QUIET: For KIT-PZ25-TKE and KIT-PZ35-TKE.

Splits 1x1

R32

**NEW WALL MOUNTED
PROFESSIONAL INVERTER
-20°C • R32 GAS**



Complete line-up with high efficiency even at -20°C.

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.

Technical focus

- **NEW!** New design
- R32 gas is more environmentally friendly than R410A
- Designed for 24h/7d a week operation
- Up to A+++ in cooling
- Highly efficient even at -20°C
- High durability rolling bearings
- Additional piping sensors to prevent freezing
- Automatic restart

KIT			KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA	KIT-Z71-TKEA
Cooling capacity	Nominal (Min - Max)	kW	2,50 [0,85 - 3,00]	3,50 [0,85 - 4,00]	4,20 [0,98 - 5,00]	5,00 [0,98 - 6,00]	7,10 [0,98 - 8,10]
EER ¹⁾	Nominal (Min - Max)	W/W	4,90 [5,00 - 4,29] A	4,07 [5,00 - 3,64] A	3,82 [4,90 - 3,25] A	3,60 [3,50 - 3,09] A	3,17 [2,33 - 3,03] B
SEER ²⁾		W/W	8,50 A+++	8,50 A+++	8,50 A+++	8,50 A+++	6,10 A++
Pdesign		kW	2,5	3,5	4,2	5,0	7,1
Input power cooling	Nominal (Min - Max)	kW	0,51 [0,17 - 0,70]	0,86 [0,17 - 1,10]	1,10 [0,20 - 1,54]	1,39 [0,28 - 1,94]	2,24 [0,42 - 2,67]
Annual energy consumption ³⁾		kWh/a	103	144	173	206	407
Heating capacity	Nominal (Min - Max)	kW	3,40 [0,85 - 5,40]	4,00 [0,85 - 6,60]	5,40 [0,98 - 7,25]	5,80 [0,98 - 8,00]	8,60 [0,98 - 9,90]
Heating capacity at -7°C		kW	3,33	4,07	4,30	5,00	6,13
COP ¹⁾	Nominal (Min - Max)	W/W	4,86 [5,15 - 4,12] A	4,35 [5,15 - 3,63] A	4,00 [4,45 - 3,37] A	4,03 [2,88 - 3,20] A	3,51 [2,45 - 3,47] B
SCOP ²⁾		W/W	4,50 A+	4,40 A+	4,30 A+	4,40 A+	4,00 A+
Pdesign at -10°C		kW	2,8	3,6	3,8	4,4	5,5
Input power heating	Nominal (Min - Max)	kW	0,70 [0,17 - 1,31]	0,92 [0,17 - 1,82]	1,35 [0,22 - 2,15]	1,44 [0,34 - 2,50]	2,45 [0,40 - 2,85]
Annual energy consumption ³⁾		kWh/a	871	1145	1237	1400	1925
Indoor unit			CS-Z25TKEA	CS-Z35TKEA	CS-Z42TKEA	CS-Z50TKEA	CS-Z71TKEA
Power source		V	230	230	230	230	230
Recommended fuse		A	16	16	16	16	20
Connection indoor / outdoor		mm	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Air Volume	Cool / Heat	m ³ /min	10,4 / 11,7	10,7 / 12,4	18,2 / 20,2	19,2 / 21,3	20,2 / 21,0
Moisture removal volume		L/h	1,5	2,0	2,4	2,8	4,1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	39 / 25 / 21	42 / 28 / 21	43 / 32 / 29	44 / 37 / 30	47 / 38 / 35
	Heat (Hi / Lo / Q-Lo)	dB(A)	41 / 27 / 22	43 / 30 / 22	44 / 35 / 29	44 / 37 / 30	47 / 38 / 35
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	12	12	13
Outdoor unit			CU-Z25TKEA	CU-Z35TKEA	CU-Z42TKEA	CU-Z50TKEA	CU-Z71TKEA
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46 / 48	48 / 50	48 / 50	48 / 50	52 / 54
Dimension ⁵⁾	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	37	38	38	43	49
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)
Pipe length range		m	3 - 20	3 - 20	3 - 20	3 - 30	3 - 30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	10
Additional gas amount		g/m	10	10	10	15	25
Refrigerant (R32)		kg/TCO ₂ Eq.	0,96 / 0,648	1,00 / 0,675	1,08 / 0,729	1,15 / 0,776	1,32 / 0,891
Operating range	Cool Min ~ Max	°C	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories

PAW-GRDSTD40	Outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-SERVER-PKEA	PCB for installation in server rooms with security

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SEER and SCOP: For KIT-Z25-TKEA. SUPER QUIET: For KIT-Z25-TKEA. INTERNET CONTROL: Optional.

NEW FLOOR CONSOLE TYPE INVERTER+

- R32 GAS



The perfect solution for the replacement of old boiler heating systems. Cleaner, easier and cheaper.



Splits 1x1

R32



New Floor Console with new nanoe™ X air-purifying system: outstanding efficiency A++, comfort (Super Quiet technology only 20dB(A)) and healthy air combined with a breakthrough design

Double airflow for improved comfort and temperature dispersion: through the top for an efficient cooling mode.

Technical focus

- **NEW!** New design
- R32 gas is more environmentally friendly than R410A
- A breakthrough design that combines perfectly with the most modern environments. We have selected the best materials and processes for a refined design
- nanoe™ X with nano-technology, nano-sized electrostatic atomised water particles purify the air in the room
- High energy efficiency class A++ SEER and A++ SCOP
- Control your comfort and the power consumption with internet control
- New wireless control

Kit			KIT-Z25-UFE	KIT-Z35-UFE	KIT-Z50-UFE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,40)	3,50 (0,85 - 3,80)	5,00 (0,90 - 5,70)
EER ¹⁾	Nominal (Min - Max)	W/W	4,81 (3,54 - 3,78) A	4,07 (3,54 - 3,73) A	3,60 (3,53 - 3,15) A
SEER²⁾		W/W	7,90 A++	8,10 A++	6,70 A++
Pdesign (cooling)		kW	2,50	3,50	5,00
Input power cooling	Nominal (Min - Max)	kW	0,52 (0,24 - 0,90)	0,86 (0,24 - 1,02)	1,39 (0,26 - 1,81)
Annual energy consumption ³⁾		kWh/a	111	151	261
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,00)	4,30 (0,85 - 6,00)	5,80 (0,90 - 8,10)
Heating capacity at -7°C		kW	2,88	3,37	5,03
COP ¹⁾	Nominal (Min - Max)	W/W	4,47 (3,54 - 3,70) A	3,98 (3,54 - 3,43) A	3,74 (3,46 - 3,12) A
SCOP²⁾		W/W	4,60 A++	4,60 A++	4,30 A++
Pdesign at -10°C		kW	2,7	3,2	4,4
Input power heating	Nominal (Min - Max)	kW	0,76 (0,24 - 1,35)	1,08 (0,24 - 1,75)	1,55 (0,26 - 2,60)
Annual energy consumption ³⁾		kWh/a	822	974	1433
Indoor unit			CS-Z25UFEAW	CS-Z35UFEAW	CS-Z50UFEAW
Air volume	Cool / Heat	m³/min	9,6/9,9	9,9/10,1	11,6/13,2
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	38/25/20	39/26/20	44/31/27
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/25/19	39/26/19	46/33/29
Dimension	HxWxD	mm	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
Net weight		kg	13	13	13
Outdoor unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	—	—	—
Air volume	Cool / Heat	m³/min	28,7/27,2	34,3/33,5	39,7/38,6
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	48/48	48/48
Dimension ⁵⁾	HxWxD	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320
Net weight		kg	33	35	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 - 20	3 - 20	3 - 30
Elevation difference (in/out) ⁶⁾		m	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32)		kg/TCO ₂ Eq.	0,88/0,594	0,93/0,628	1,13/0,763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link

Accessories

CZ-RD52CP	Wired remote controller for Floor Console and Cassette
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1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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

NEW 4 WAY 60X60 CASSETTE INVERTER

• R32 GAS



Specially designed for offices, retail and restaurant applications, this Cassette fits perfectly into 60x60 or 70x70 ceiling grids

Compact Cassette with high efficiency even at low temperatures, this new Cassette can also be connected to KNX, Modbus, EnOcean interfaces for easy integration with your BMS systems. Interfaces have dry contacts (ON/OFF, error message) to enable easy integration.

Fit Panasonic's Cassette Type, and start to save all year round!

Technical focus

- R32 gas is more environmentally friendly than R410A
- **NEW CZ-BT20EW RAL9010 panel**
- Cassettes can be controlled by KNX, EnOcean and Modbus
- Designed for easy installation in the standard European 60x60 ceiling grid
- 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)
- Air fresh entry available on the Cassette

KIT			KIT-Z25-UB4	KIT-Z35-UB4	KIT-Z50-UB4	KIT-Z60-UB4
Cooling capacity	Nominal (Min - Max)	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]
EER ¹⁾	Nominal (Min - Max)	W/W	4,55 [3,54 - 3,90] A	3,89 [3,54 - 3,39] A	3,25 [3,53 - 3,09] A	2,93 [3,53 - 2,89] C
SEER ²⁾	W/W	W/W	6,30 A++	6,50 A++	6,40 A++	6,20 A++
Pdesign (cooling)		kW	2,50	3,50	5,00	6,00
Input power cooling	Nominal (Min - Max)	kW	0,55 [0,24 - 0,82]	0,90 [0,24 - 1,18]	1,54 [0,26 - 1,88]	2,05 [0,26 - 2,20]
Annual energy consumption ³⁾		kWh/a	139	188	273	339
Heating capacity	Nominal (Min - Max)	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]
Heating capacity at -7°C		kW	2,88	3,37	4,40	5,10
COP ¹⁾	Nominal (Min - Max)	W/W	4,05 [3,70 - 3,64] A	3,31 [3,70 - 3,20] C	3,03 [3,46 - 2,95] D	2,92 [3,46 - 2,91] D
SCOP ²⁾	W/W	W/W	4,30 A+	4,20 A+	4,30 A+	4,20 A+
Pdesign at -10°C		kW	2,70	3,00	3,80	4,00
Input power heating	Nominal (Min - Max)	kW	0,79 [0,23 - 1,32]	1,36 [0,23 - 1,75]	1,85 [0,26 - 2,41]	2,40 [0,26 - 2,75]
Annual energy consumption ³⁾		kWh/a	879	1000	1237	1333
Indoor unit			CS-Z25UB4EAW	CS-Z35UB4EAW	CS-Z50UB4EAW	CS-Z60UB4EAW
Panel			CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Air volume	Cool / Heat	m ³ /min	10,5/10,8	10,5/10,8	11,5/11,8	12,4/13,5
Moisture removal volume		L/h	1,5	2,0	2,8	3,3
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	34/25/22	34/26/23	37/28/25	42/32/29
	Heat (Hi / Lo / Q-Lo)	dB(A)	35/28/25	35/28/25	38/29/26	43/32/29
Dimension (HxWxD)	Indoor	mm	260x575x575	260x575x575	260x575x575	260x575x575
	Panel	mm	51x700x700	51x700x700	51x700x700	51x700x700
Net weight	Indoor / Panel	kg	18/2,5	18/2,5	18/2,5	18/2,5
Outdoor unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA	CU-Z60UBEA
Power source		V	230	230	230	230
Recommended fuse		A	—	—	—	—
Connection indoor / outdoor		mm ²	—	—	—	—
Air volume	Cool / Heat	m ³ /min	28,7/27,2	34,3/33,5	39,7/38,6	42,6/41,5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	48/48	48/48	49/50
Dimension ⁵⁾	HxWxD	mm	542x780x289	619x824x299	695x875x320	695x875x320
Net weight		kg	33	35	43	43
Piping connections	Liquid pipe	Inch (mm)	1/4 [6,35]	1/4 [6,35]	1/4 [6,35]	1/4 [6,35]
	Gas pipe	Inch (mm)	3/8 [9,52]	3/8 [9,52]	1/2 [12,70]	1/2 [12,70]
Pipe length range		m	3 - 20	3 - 20	3 - 30	3 - 30
Elevation difference (in/out) ⁶⁾		m	15	15	20	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32)		kg / TCO ₂ Eq.	0,88/0,594	0,93/0,628	1,13/0,763	1,13/0,763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

- CZ-TACG1** **NEW** Panasonic Wifi kit for internet control
- CZ-CAPRA1** RAC interface adapter for integration into P Link

Accessories

- CZ-RD52CP** Wired remote controller for Floor Console and Cassette

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1,5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-Z35-UB4EA. SUPER QUIET: For KIT-Z25-UB4EA. INTERNET CONTROL: Optional.

NEW LOW STATIC PRESSURE HIDE AWAY INVERTER • R32 GAS



Designed for homes, offices, retail and restaurants, this duct is ideal for small rooms where the air conditioning and the heating should be nicely integrated and where high comfort and efficiency is needed

The duct can also be connected to KNX, Modbus, EnOcean interfaces for easy integration with your BMS systems. This interfaces have dry contacts (ON/OFF, error message) for easy integration.

Technical focus

- R32 gas is more environmentally friendly than R410A
- Duct type can be controlled by KNX, EnOcean and Modbus
- Eco mode for 20% energy saving
- Extremely compact indoor units without losing static pressure (only 200mm high)
- Weekly timer, 42 settings per week
- Easy check mode for failure detection
- Drain pump included

KIT			KIT-Z25-UD3	KIT-Z35-UD3	KIT-Z50-UD3	KIT-Z60-UD3
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,20)	3,50 (0,85 - 4,00)	5,10 (0,90 - 5,70)	6,00 (0,90 - 6,50)
EER ¹⁾	Nominal (Min - Max)	W/W	4,31 (3,54 - 3,76) A	3,85 (3,54 - 3,36) A	3,27 (3,53 - 3,20) A	2,94 (3,53 - 2,83) C
SEER ²⁾		W/W	5,90 A+	5,80 A+	5,90 A+	5,60 A+
Pdesign (cooling)		kW	2,50	3,50	5,10	6,00
Input power cooling	Nominal (Min - Max)	kW	0,58 (0,24 - 0,85)	0,91 (0,24 - 1,19)	1,56 (0,26 - 1,78)	2,04 (0,26 - 2,30)
Annual energy consumption ³⁾		kWh/a	148	211	303	375
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 4,60)	4,20 (0,85 - 5,10)	6,10 (0,90 - 7,20)	7,00 (0,90 - 8,00)
Heating capacity at -7°C		kW	2,60	3,00	4,50	5,10
COP ¹⁾	Nominal (Min - Max)	W/W	4,00 (3,70 - 3,68) A	3,82 (3,70 - 3,59) A	3,35 (3,46 - 3,27) C	3,24 (3,46 - 3,08) C
SCOP ²⁾		W/W	4,20 A+	4,10 A+	4,10 A+	4,10 A+
Pdesign at -10°C		kW	2,60	2,80	4,00	4,60
Input power heating	Nominal (Min - Max)	kW	0,80 (0,23 - 1,25)	1,10 (0,23 - 1,42)	1,82 (0,26 - 2,20)	2,16 (0,26 - 2,60)
Annual energy consumption ³⁾		kWh/a	867	956	1366	1571
Indoor unit			CS-Z25UD3EAW	CS-Z35UD3EAW	CS-Z50UD3EAW	CS-Z60UD3EAW
External static pressure ⁴⁾	Min - Max	Pa	15 - 45	15 - 45	15 - 50	15 - 50
Air volume	Cool / Heat	m ³ /min	10,5/10,5	11,2/11,2	15,3/15,3	15,7/15,7
Moisture removal volume		L/h	1,5	2,0	2,8	3,3
Sound pressure ⁵⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	33/27/24	33/27/24	39/29/26	41/30/27
	Heat (Hi / Lo / Q-Lo)	dB(A)	35/27/24	35/27/24	39/30/27	41/32/29
Dimension	H x W x D	mm	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight		kg	19	19	19	19
Outdoor unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA	CU-Z60UBEA
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	—
Connection indoor / outdoor		mm ²	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5	—
Air volume	Cool / Heat	m ³ /min	28,7/27,2	34,3/33,5	39,7/38,6	42,6/41,5
Sound pressure ⁵⁾	Cool / Heat (Hi)	dB(A)	46/47	48/48	48/48	49/50
Dimension ⁶⁾	H x W x D	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	33	35	43	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3 - 20	3 - 20	3 - 30	3 - 30
Elevation difference (in/out) ⁷⁾		m	15	15	20	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32)		kg / TCO ₂ Eq.	0,88 / 0,594	0,93 / 0,628	1,13 / 0,763	1,13 / 0,763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories
CZ-TACG1 NEW Panasonic Wifi kit for internet control

Accessories
CZ-CAPRA1 RAC interface adapter for integration into P Link

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The specification listed on the table indicates values under the condition of 25Pa (2,5mmAq) which are applied for factory default setting. Change switch on PCB from Hi to Shi to have more than 6,0mmAq. 5) The sound pressure of the units shows the value measured of a position of 1,5m below the unit with 1m duct on the suction side and 2m duct on the discharge side. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit. * Tentative data.



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

MULTI SPLIT AND FREE MULTI SYSTEM



Panasonic offers widest range in Multi split systems

2 types of Multi split range from 3,5 to 9,0kW for 5 indoor units with one outdoor unit.

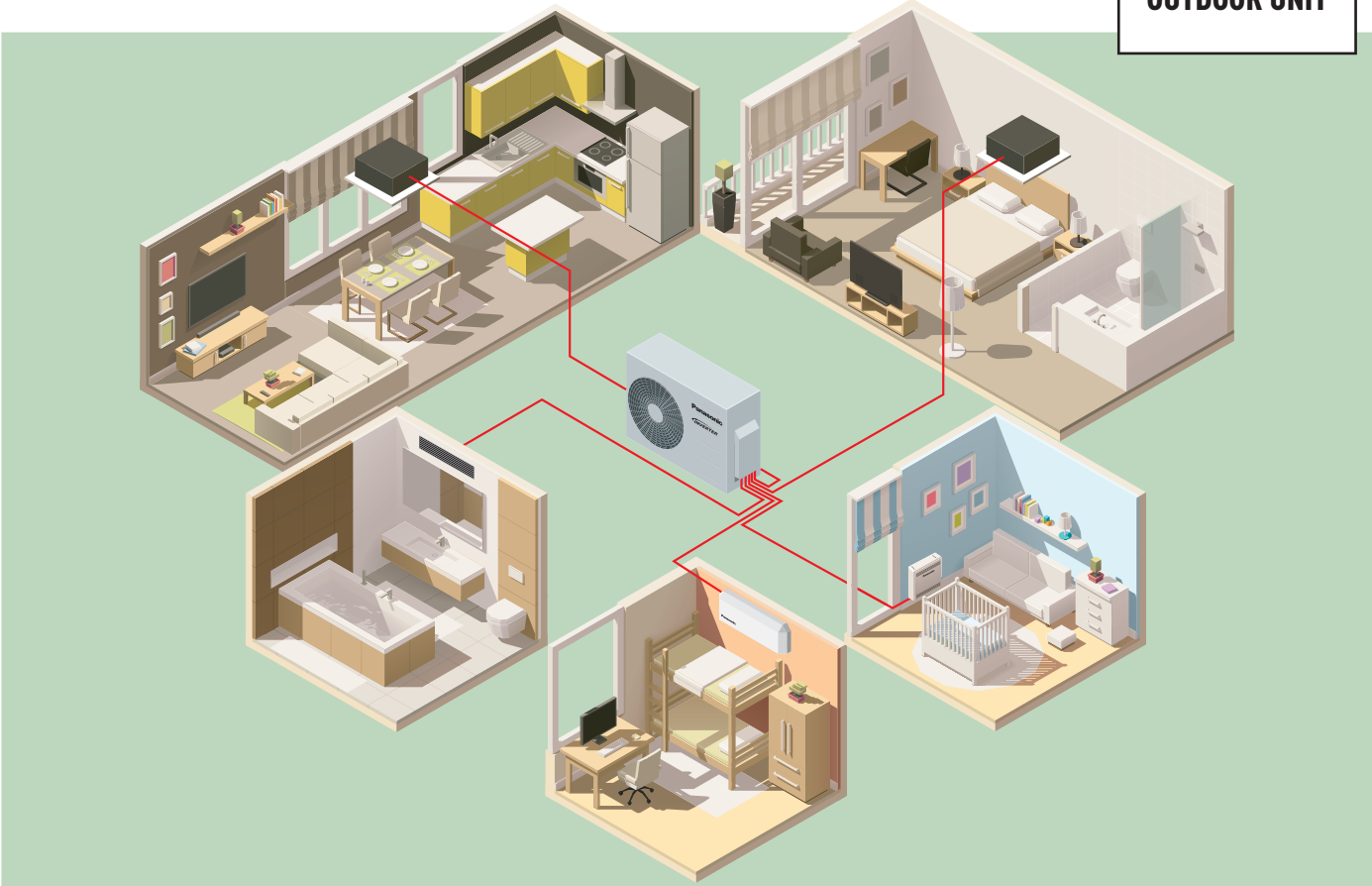
Free Multi Z	New Multi TZ Wall with R32 refrigerant
Full flexibility up to 9,0kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++ / A++	From 4,1 to 5,2kW for TZ Wall Compact Style unit, reaches A++ / A+

Line up	Refrigerant	Capacities	Indoor unit ports	Efficiency up to	Indoor units				
					Etherea	Compact Style	Floor Console	Cassette	Duct
Multi Z	R32	8 units (3,5 ~ 9,0kW)	2~5	A+++ / A++	Yes	Yes	Yes	Yes	Yes
Multi TZ	R32	3 units (4,1 ~ 5,2kW)	2~3	A++ / A+		Yes			

Multi split systems

Day & Night	Simultaneous
Ideal for 2 day and night areas. Simultaneous use possible.	When indoor units are most time working at same time.

**UP TO 5
INDOOR UNITS
WITH A SINGLE
OUTDOOR UNIT**



Why a Multi Split is better than several separate split units

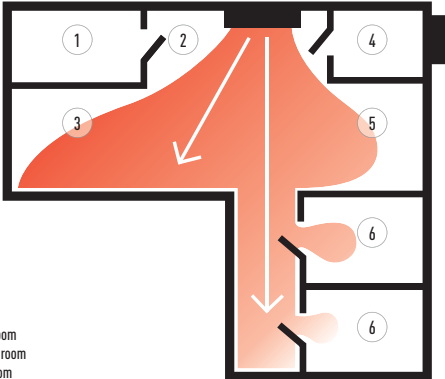
Up to 5 indoor units with a single outdoor unit.

- 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.

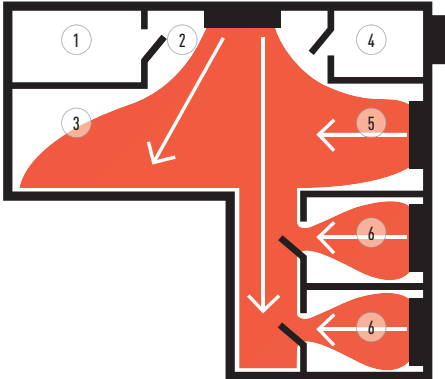
One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.



- 1. Laundry room
- 2. Entrance
- 3. Kitchen/dining area
- 4. Bathroom
- 5. Living room
- 6. Bedroom

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 extreme increase in comfort levels. On the roof, there is only one outdoor unit.



R32

Free Multi System Z



Outdoor unit Free Multi System Z • R32 GAS

System Capacity (Min - Max Indoor Cooling Capacity Nominal)		3,2 to 6,0kW	3,2 to 6,0kW	3,2 to 7,7kW	4,5 to 9,5kW	4,5 to 11,2kW	4,5 to 11,5kW	4,5 to 14,7kW	4,5 to 18,3kW
Unit		CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
Cooling capacity	Nominal (Min - Max) 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)	6,80(1,90-8,00)	6,80(1,90-8,80)	8,00(3,00-9,20)	9,00(2,90-11,50)
EER ¹⁾	Nominal (Min - Max) W/W	4,86(6,00-4,09)A	4,56(6,00-3,80)A	4,24(6,00-3,62)A	4,77 A	3,66(7,04-3,38)A	4,39(5,59-3,56)A	4,04(5,66-3,21)A	4,09(5,27-2,98)A
SEER ²⁾	W/W	8,50 A+++	8,50 A+++	8,50 A+++	8,50 A+++	8,00 A++	8,00 A++	7,90 A++	8,50 A+++
Pdesign (cooling)	kW	3,5	4,1	5,0	5,2	6,8	6,8	8,0	9,0
Input power cooling	Nominal (Min - Max) kW	0,72(0,25-1,10)	0,90(0,25-1,37)	1,18(0,25-1,49)	1,09(0,36-2,18)	1,86(0,27-2,37)	1,55(0,34-2,47)	1,98(0,53-2,87)	2,20(0,55-3,86)
Annual energy consumption ³⁾	kWh/a	144	169	206	214	298	298	990	1100
Heating capacity	Nominal (Min - Max) 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)	8,50(3,30-10,40)	8,50(3,00-10,60)	9,40(4,20-10,60)	10,40(3,40-14,50)
Heating capacity at -7°C	kW	—	—	—	3,95	4,45	4,45	—	—
COP ¹⁾	Nominal (Min - Max) W/W	4,88(5,24-4,18)A	4,79(5,24-3,91)A	4,63(5,24-4,00)A	4,72 A	3,95(5,32-3,64)A	4,47(5,17-3,96)A	4,63(6,00-3,46)A	4,84(6,42-3,42)A
SCOP ²⁾	W/W	4,60 A++	4,60 A++	4,60 A++	4,20 A+	4,20 A+	4,20 A+	4,70 A++	4,68 A++
Pdesign at -10°C	kW	3,2	3,5	4,2	5,0	5,2	5,8	6,8	8,5
Input power heating	Nominal (Min - Max) kW	0,86(0,21-1,34)	0,96(0,21-1,79)	1,21(0,21-1,80)	1,47(3,20-2,17)	2,15(0,62-2,86)	1,90(0,58-2,68)	2,03(0,70-3,06)	2,15(0,53-4,24)
Annual energy consumption ³⁾	kWh/a	974	1065	1278	1667	1733	1933	2026	2543
Current	Cool / Heat A	3,35/4,00	4,15/4,45	5,35/5,50	5,00/6,70	8,40/9,70	7,00/8,60	9,50/9,50	10,50/10,10
Power source	V	230	230	230	230	230	230	230	230
Recommended fuse	A	16	16	16	16	16	20	20	25
Recommended power cable section	mm ²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	3,5
Sound pressure ⁴⁾	Cool / Heat (Hi) dB(A)	48/50	48/50	50/52	47/48	51/52	49/50	51/52	53/54
Dimension ⁵⁾	H x W x D mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	795 x 875 x 320	795 x 875 x 320	795 x 875 x 320	999 x 940 x 340	999 x 940 x 340
Net weight	kg	39	39	39	71	71	72	80	81
Piping connections	Liquid pipe Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)
	Gas pipe Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)
Pipe length range total ⁶⁾	m	6-30	6-30	6-30	6-50	6-50	6-60	6-70	6-80
Pipe length range to one unit	m	3-20	3-20	3-20	3-25	3-25	3-25	3-25	3-25
Elevation difference (in/out)	m	10	10	10	15	15	15	15	15
Pipe length for additional gas	m	20	20	20	30	30	30	45	45
Additional gas amount	g/m	15	15	15	20	20	20	20	20
Refrigerant (R32)	kg/TCO ₂ Eq.	1,12/0,756	1,12/0,756	1,12/0,756	2,10/1,418	2,10/1,418	2,10/1,418	2,72/1,836	2,72/1,836
Operating range	Cool Min ~ Max °C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max °C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. 5) Add 70 or 95mm for piping port. 6) Minimum piping length is 3 meters per indoor unit. Minimum quantity of connection: 2 indoor units.

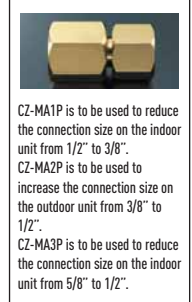
Possible outdoor / indoor units combinations • R32 GAS

	Etherea Silver	Etherea Pure White Matt	Wall Mounted TZ Compact Style	NEW Floor Console*	NEW 4 Way 60x60 Cassette	NEW Low Static Pressure Hide Away
	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71
CU-2Z35TBE // 3,2 - 6,0kW // 2 Rooms	✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
CU-2Z41TBE // 3,2 - 6,0kW // 2 Rooms	✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
CU-2Z50TBE // 3,2 - 7,7kW // 2 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-3Z52TBE // 4,5 - 9,5kW // 3 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-3Z68TBE // 4,5 - 11,2kW // 3 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-4Z68TBE // 4,5 - 11,5kW // 4 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-4Z80TBE // 4,5 - 14,7kW // 4 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-5Z90TBE // 4,5 - 18,3kW // 5 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾

1) A CZ-MA1P pipe reducer is needed on the 42 and 50, a CZ-MA2P pipe expander is needed on the 60 and CZ-MA3P pipe reducer on the 71. * Compatible only with 2 ports Outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE.

Outdoor Multi combination model

Model	Model
CS-MZ16TKE / CS-MTZ16TKE CS-XZ20TKEW / CS-Z20TKEW / CS-TZ20TKEW-1 / CS-MZ20UFEA / CS-MZ20UB4EA / CS-MZ20UD3EA CS-XZ25TKEW / CS-Z25TKEW / CS-TZ25TKEW-1 / CS-Z25UFEAW / CS-Z25UB4EAW / CS-Z25UD3EAW CS-XZ35TKEW / CS-Z35TKEW / CS-TZ35TKEW-1 / CS-Z35UFEAW / CS-Z35UB4EAW / CS-Z35UD3EAW	CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-Z42TKEW / CS-TZ42TKEW-1 CS-XZ50TKEW / CS-Z50TKEW / CS-TZ50TKEW / CS-Z50UFEAW / CS-Z50UB4EAW / CS-Z50UD3EAW	CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-TZ60TKEW / CS-Z60UB4EAW / CS-Z60UD3EAW	CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-Z71TKEW / CS-TZ71TKEW	CU-4Z80TBE / CU-5Z90TBE



CZ-MA1P is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8". CZ-MA2P is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2". CZ-MA3P is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".

* For CZ-MA3P necessary to use adaptor CZ-MA2P too.

Free Multi System Z

R32



IF DESIGN AWARD 2017: Etherea White awarded with the prestigious IF Design Award 2017. INTERNET CONTROL: Optional.



Wall Mounted Etherea	Indoor unit Silver	Indoor unit Pure White Matt	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ dB(A)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
						Cool	Heat (Hi/Lo/S-Lo)		Liquid	Gas pipe
1,6kW	—	CS-MZ16TKE	1,60/1380	2,60/2240	4x1,5	38/26/21	— 39/27/21	295x919x194/9	1/4 (6,35)	3/8 (9,52)
2,0kW	CS-XZ20TKEW	CS-Z20TKEW	2,00/1720	3,20/2750	4x1,5	39/26/21	— 40/27/21	295x919x194/9	1/4 (6,35)	3/8 (9,52)
2,5kW	CS-XZ25TKEW	CS-Z25TKEW	2,50/2150	3,60/3100	4x1,5	41/27/21	— 43/29/21	295x919x194/10	1/4 (6,35)	3/8 (9,52)
3,5kW	CS-XZ35TKEW	CS-Z35TKEW	3,20/2750	4,50/3870	4x1,5	44/30/21	— 45/35/21	295x919x194/10	1/4 (6,35)	3/8 (9,52)
4,2kW	—	CS-Z42TKEW	4,00/3440	5,60/4820	4x1,5	44/33/27	— 45/37/31	295x919x194/10	1/4 (6,35)	1/2 (12,70)
5,0kW	CS-XZ50TKEW	CS-Z50TKEW	5,00/4300	6,80/5850	4x1,5	44/39/32	— 46/39/32	302x1120x236/12	1/4 (6,35)	1/2 (12,70)
7,1kW	—	CS-Z71TKEW	7,10/6110	8,60/7395	—	49/40/32	— 49/40/32	302x1120x236/13	1/4 (6,35)	5/8 (15,88)



Wall Mounted TZ Compact Style	Indoor unit	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ dB(A)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
					Cool	Heat (Hi/Lo/S-Lo)		Liquid	Gas pipe
1,6kW	CS-MTZ16TKE	1,60/1380	2,60/2240	4x1,5	38/27/22	— 39/28/24	290x799x197/8	1/4 (6,35)	3/8 (9,52)
2,0kW	CS-TZ20TKEW-1	2,00/1720	3,20/2750	4x1,5	39/27/22	— 40/28/24	290x799x197/8	1/4 (6,35)	3/8 (9,52)
2,5kW	CS-TZ25TKEW-1	2,50/2150	3,60/3100	4x1,5	42/28/22	— 42/29/24	290x799x197/8	1/4 (6,35)	3/8 (9,52)
3,5kW ²	CS-TZ35TKEW-1	3,50/3010	4,50/3870	4x1,5	44/32/22	— 44/35/24	290x799x197/8	1/4 (6,35)	3/8 (9,52)
4,2kW	CS-TZ42TKEW-1	4,20/3610	5,00/4300	4x1,5	44/33/31	— 46/37/30	290x799x197/8	1/4 (6,35)	1/2 (12,70)
5,0kW	CS-TZ50TKEW	5,00/4300	5,30/4558	4x1,5	44/39/36	— 46/39/36	302x1102x244/12	1/4 (6,35)	1/2 (12,70)
6,0kW	CS-TZ60TKEW	6,00/5160	8,50/7310	4x1,5	44/39/36	— 47/39/36	302x1102x244/12	1/4 (6,35)	5/8 (15,88)
7,1kW	CS-TZ71TKEW	7,10/6110	8,90/7654	—	49/40/37	— 49/40/37	302x1102x244/13	1/4 (6,35)	5/8 (15,88)



SUPER QUIET: For CS-Z25UFEAW and CS-Z50UFEAW. INTERNET CONTROL: Optional.



NEW Floor Console ³ *	Indoor	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ dB(A)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
					Cool	Heat (Hi/Lo/S-Lo)		Liquid	Gas pipe
2,0kW	CS-MZ20UFEA	2,00/1720	3,20/2750	4x1,5	—	—	600x750x207/13	—	—
2,8kW	CS-Z25UFEAW	2,80/2410	3,60/3100	4x1,5	38/25/20	— 38/25/19	600x750x207/13	1/4 (6,35)	3/8 (9,52)
3,5kW ²	CS-Z35UFEAW	3,50/3010	4,50/3870	4x1,5	39/26/20	— 39/26/19	600x750x207/13	1/4 (6,35)	3/8 (9,52)
5,0kW	CS-Z50UFEAW	5,00/4300	5,30/4558	4x1,5	44/31/27	— 46/33/29	600x750x207/13	1/4 (6,35)	1/2 (12,70)



NEW CZ-BT20EW RAL9010 panel for 4 Way 60x60 Cassette (sold separately)

SUPER QUIET: For CS-Z25U4EAW. INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.



NEW 4 Way 60x60 Cassette*	Indoor / Panel	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ dB(A)		Dimension / Net weight Indoor HxWxD mm / kg Panel HxWxD mm / kg		Piping connections Liquid / Gas pipe Inch (mm)	
					Cool	Heat (Hi/Lo/S-Lo)	Indoor	Panel	Liquid	Gas pipe
2,0kW	CS-MZ20UB4EA / CZ-BT20EW	2,00/1720	3,20/2750	4x1,5	—	—	260x575x575/18	51x700x700/2,5	—	—
2,5kW	CS-Z25UB4EAW / CZ-BT20EW	2,80/2410	3,60/3100	4x1,5 to 2,5	34/25/22	— 35/28/25	260x575x575/18	51x700x700/2,5	1/4 (6,35)	3/8 (9,52)
3,5kW ²	CS-Z35UB4EAW / CZ-BT20EW	3,50/3010	4,50/3870	4x1,5 to 2,5	34/26/23	— 35/28/25	260x575x575/18	51x700x700/2,5	1/4 (6,35)	3/8 (9,52)
5,0kW	CS-Z50UB4EAW / CZ-BT20EW	5,00/4300	5,30/4558	4x1,5 to 2,5	37/28/25	— 38/29/26	260x575x575/18	51x700x700/2,5	1/4 (6,35)	1/2 (12,70)
6,0kW	CS-Z60UB4EAW / CZ-BT20EW	6,00/5160	8,50/7310	4x1,5 to 2,5	42/32/29	— 43/32/29	260x575x575/18	51x700x700/2,5	1/4 (6,35)	1/2 (12,70)



INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.



NEW Low Static Pressure Hide Away*	Indoor	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ dB(A)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
					Cool	Heat (Hi/Lo/S-Lo)		Liquid	Gas pipe
2,0kW	CS-MZ20UD3EA	2,00/1720	3,20/2750	4x1,5	—	—	200x750x640/19	—	—
2,5kW	CS-Z25UD3EAW	2,50/2150	3,60/3100	4x1,5 to 2,5	33/27/24	— 35/27/24	200x750x640/19	1/4 (6,35)	3/8 (9,52)
3,5kW ²	CS-Z35UD3EAW	3,50/3010	4,50/3870	4x1,5 to 2,5	33/27/24	— 35/27/24	200x750x640/19	1/4 (6,35)	3/8 (9,52)
5,0kW	CS-Z50UD3EAW	5,00/4300	5,30/4558	4x1,5 to 2,5	39/29/26	— 39/30/27	200x750x640/19	1/4 (6,35)	1/2 (12,70)
6,0kW	CS-Z60UD3EAW	6,00/5160	8,50/7310	4x1,5 to 2,5	41/30/27	— 41/32/29	200x750x640/19	1/4 (6,35)	1/2 (12,70)

1) The sound pressure of the units shows the value measured of a position 1m in front of the main body. The sound pressure is measured in accordance with Eurovent 4/C/006-97 specification. 2) The heating capacity is 4,20kW connected to a CU-Z235TBE. 3) Compatible only with 2 ports Outdoor CU-Z235TBE / CU-Z241TBE / CU-Z250TBE. * Tentative data.

R32

Multi Wall TZ



NEW
18

CU-2TZ41TBE / CU-2TZ50TBE

CU-3TZ52TBE



NEW Outdoor unit Multi Wall TZ • R32 GAS

System Capacity			3,2 ~ 6,0kW	3,2 ~ 7,7kW	4,5 ~ 9,5kW
Unit			CU-2TZ41TBE	CU-2TZ50TBE	CU-3TZ52TBE
Cooling capacity	Nominal (Min - Max)	kW	4,10 (1,50 - 4,70)	5,00 (1,50 - 5,40)	5,20 (1,80 - 6,60)
EER ¹⁾	Nominal (Min - Max)	W/W	4,14 (5,56 - 3,41) A	3,85 (5,56 - 3,33) A	4,52 (3,67 - 5,00) A
SEER ²⁾	W/W		7,10 A++	7,00 A++	7,60 A++
Pdesign (cooling)		kW	4,10	5,00	5,20
Input power cooling	Nominal (Min - Max)	kW	0,99 (0,27 - 1,38)	1,30 (0,27 - 1,62)	1,15 (0,36 - 1,80)
Annual energy consumption ³⁾		kWh/a	202	250	239
Heating capacity	Nominal (Min - Max)	kW	4,40 (1,10 - 6,30)	5,70 (1,10 - 6,40)	6,80 (1,60 - 7,50)
Heating capacity at -7°C		kW	—	—	—
COP ¹⁾	Nominal (Min - Max)	W/W	4,44 (5,00 - 3,54) A	4,35 (5,00 - 3,62) A	4,28 (3,87 - 5,00) A
SCOP ²⁾	W/W		4,30 A+	4,20 A+	4,20 A+
Pdesign at -10°C		kW	3,50	4,50	5,00
Input power heating	Nominal (Min - Max)	kW	0,99 (0,22 - 1,78)	1,31 (0,22 - 1,77)	1,59 (0,32 - 1,94)
Annual energy consumption ³⁾		kWh/a	1139	1500	1667
Current	Cool / Heat	A	4,60 / 4,60	6,00 / 6,00	5,30 / 7,30
Power source		V	230	230	230
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48 / 50	50 / 52	48 / 48
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	795 x 875 x 320
Net weight		kg	35	35	71
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Pipe length range total		m	6 ~ 30	6 ~ 30	6 ~ 50
Pipe length range to one unit		m	3 ~ 20	3 ~ 20	3 ~ 25
Elevation difference (in/out)		m	10	10	15
Pipe length for additional gas		m	20	20	30
Additional gas amount		g/m	15	15	20
Refrigerant (R32)		kg / TCO ₂ Eq.	0,9 / 0,6075	0,9 / 0,6075	2,1 / 1,4175
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. 5) Add 70 or 95mm for piping port. Minimum quantity of connection: 2 indoor units.

Possible outdoor / indoor units combinations • R32 GAS

Wall Mounted TZ Compact Style



	16	20	25	35	42	50
CU-2TZ41TBE // 3,2 ~ 6,0kW // 2 Rooms	✓	✓	✓	✓		
CU-2TZ50TBE // 3,2 ~ 7,7kW // 2 Rooms	✓	✓	✓	✓	✓	✓
CU-3TZ52TBE // 4,5 ~ 9,5kW // 3 Rooms	✓	✓	✓	✓	✓	✓



Wall Mounted TZ Compact Style	Indoor unit	Cooling capacity	Heating capacity	Connection	Sound pressure ¹⁾	Dimension / Net weight	Piping connections
		kW / kCal/h	kW / kCal/h		Cool — Heat (Hi/Lo/S-Lo)	H x W x D	Liquid / Gas pipe
1,6kW	CS-MTZ16TKE	1,60 / 1380	2,60 / 2240	4 x 1,5	38 / 27 / 22 — 39 / 28 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)
2,0kW	CS-TZ20TKEW-1	2,00 / 1720	3,20 / 2750	4 x 1,5	39 / 27 / 22 — 40 / 28 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)
2,5kW	CS-TZ25TKEW-1	2,50 / 2150	3,60 / 3100	4 x 1,5	42 / 28 / 22 — 42 / 29 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)
3,5kW	CS-TZ35TKEW-1	3,50 / 3010	4,50 / 3870	4 x 1,5	44 / 32 / 22 — 44 / 35 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)
4,2kW	CS-TZ42TKEW-1	4,20 / 3610	5,00 / 4300	4 x 1,5	44 / 33 / 31 — 46 / 37 / 30	290 x 799 x 197 / 8	1/4 (6,35) / 1/2 (12,70)
5,0kW	CS-TZ50TKEW	5,00 / 4300	5,30 / 4558	4 x 1,5	44 / 39 / 36 — 46 / 39 / 36	302 x 1102 x 244 / 12	1/4 (6,35) / 1/2 (12,70)

1) The sound pressure of the units shows the value measured of a position 1m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.

Multi Split System

R32



INTERNET CONTROL: Optional. IF DESIGN AWARD 2017: Ethena White awarded with the prestigious IF Design Award 2017.



Ethena Multi Split Inverter+ • R32 GAS

Tentative data












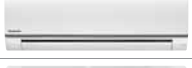
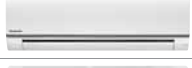










			Day & Night				
Rooms			2 Rooms		3 Rooms		
Kit Silver			KIT-2XZ2525-TBE	KIT-2XZ2035-TBE	KIT-2XZ2535-TBE	KIT-3XZ202035-TBE	KIT-3XZ252535-TBE
Indoor unit Silver			CS-XZ25TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW CS-XZ25TKEW
Kit Pure White Matt			KIT-2Z2525-TBE	KIT-2Z2035-TBE	KIT-2Z2535-TBE	KIT-3Z202035-TBE	KIT-3Z252535-TBE
Indoor unit Pure White Matt			CS-Z25TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW CS-Z25TKEW
Outdoor unit			CU-2Z41TBE	CU-2Z41TBE	CU-2Z41TBE	CU-3Z52TBE	CU-3Z52TBE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (1,10 - 3,50)	4,10 (1,50 - 5,20)	4,10 (1,50 - 5,20)	5,20 (1,80 - 7,30)	5,20 (1,80 - 7,30)
EER		W/W	3,73A	4,56A	4,56A	4,48A	4,48A
SEER		W/W					
Heating capacity	Nominal (Min - Max)	kW	3,60 (0,70 - 5,50)	4,60 (1,10 - 7,00)	4,60 (1,10 - 7,00)	6,80 (1,60 - 8,30)	6,80 (1,60 - 8,30)
COP		W/W	3,50B	4,84A	4,84A	4,79A	4,79A
SCOP		W/W					
Indoor dimension	(HxWxD)	mm	295x919x194	295x919x194	295x919x194	295x919x194	295x919x194
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20)	10
























			Simultaneous				
Rooms			2 Rooms		3 Rooms		
Kit Silver			KIT-2XZ2525-TKE	KIT-2XZ2035-TKE	KIT-2XZ2535-TKE	KIT-3XZ202035-TKE	KIT-3XZ252535-TKE
Indoor unit Silver			CS-XZ25TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW CS-XZ25TKEW
Kit Pure White Matt			KIT-2Z2525-TKE	KIT-2Z2035-TKE	KIT-2Z2535-TKE	KIT-3Z202035-TKE	KIT-3Z252535-TKE
Indoor unit Pure White Matt			CS-Z25TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW CS-Z25TKEW
Outdoor unit			CU-2Z50TBE	CU-2Z50TBE	CU-2Z50TBE	CU-3Z68TBE	CU-3Z68TBE
Cooling capacity	Nominal (Min - Max)	kW	5,00 (1,50 - 5,40)	5,00 (1,50 - 5,40)	5,00 (1,50 - 5,40)	6,80 (1,90 - 8,00)	6,80 (1,90 - 8,00)
EER		W/W	4,24A	4,24A	4,24A	3,56A	3,56A
SEER		W/W	8,50 A+++				
Heating capacity	Nominal (Min - Max)	kW	5,60 (1,10 - 7,20)	5,40 (1,10 - 7,20)	5,40 (1,10 - 7,20)	8,50 (3,30 - 10,40)	8,50 (3,30 - 10,40)
COP		W/W	4,63A	4,63A	4,63A	4,09A	4,09A
SCOP		W/W	4,60 A+++				
Indoor dimension	(HxWxD)	mm	295x919x194	295x919x194	295x919x194	295x919x194	295x919x194
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20)	10











Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)
 Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

DOMESTIC AIR CONDITIONER RANGE R410A
















Page	1x1 Kits	2,0kW	2,5kW	3,5kW
P. 116	Wall Mounted Etherea Inverter+ Silver • R410A GAS	 KIT-XE7-SKE	 KIT-XE9-SKE	 KIT-XE12-SKE
P. 116	Wall Mounted Etherea Inverter+ Matt Pearl White • R410A GAS	 KIT-E7-SKEM	 KIT-E9-SKEM	 KIT-E12-SKEM
P. 117	Wall Mounted TE Compact Style • R410A GAS	 KIT-TE20-TKE	 KIT-TE25-TKE	 KIT-TE35-TKE
P. 118	NEW Wall Mounted FE Type Standard Inverter • R410A GAS		 KIT-FE25-UKE	 KIT-FE35-UKE
P. 119	Wall Mounted BE Type Standard Inverter • R410A GAS		 KIT-BE25-TKE-1	 KIT-BE35-TKE-1
P. 120	Wall Mounted DE Type Standard Inverter • R410A GAS		 KIT-DE25-TKE-1	 KIT-DE35-TKE-1
P. 121	Wall Mounted Professional Inverter -20°C • R410A GAS		 KIT-E9-PKEA	 KIT-E12-PKEA
P. 123	Floor Console Type Inverter+ • R410A GAS		 KIT-E9-PFE	 KIT-E12-PFE
P. 124	4-Way 60x60 Cassette Standard Inverter • R410A GAS		 KIT-E9-PB4EA	 KIT-E12-PB4EA
P. 125	Low Static Pressure Hide Away Standard Inverter • R410A GAS		 KIT-E9-PD3EA	 KIT-E12-QD3EA




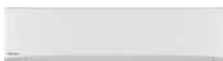












Page	Free Multi	1,6kW	2,0kW	2,5kW	3,5kW
P. 127	Etherea Silver		 CS-XZ20TKEW	 CS-XZ25TKEW	 CS-XZ35TKEW
P. 127	Etherea Pure White Matt	 CS-MZ16TKE	 CS-Z20TKEW	 CS-Z25TKEW	 CS-Z35TKEW
P. 127	TZ Compact Style	 CS-MZ16TKE	 CS-TZ20TKEW-1	 CS-TZ25TKEW-1	 CS-TZ35TKEW-1
P. 127	TE Compact Style		 CS-TE20TKEW	 CS-TE25TKEW	 CS-TE35TKEW
P. 127	NEW Floor Console Type		 CS-MZ20UFEA	 CS-Z25UFEAW	 CS-Z35UFEAW
P. 127	NEW 4 Way 60x60 Cassette		 CS-MZ20UB4EA	 CS-Z25UB4EAW	 CS-Z35UB4EAW
P. 127	NEW Low Static Pressure Hide Away		 CS-MZ20UD3EA	 CS-Z25UD3EAW	 CS-Z35UD3EAW




Page	Free Multi	3,2~5,7kW	3,2~5,7kW	3,2~7,5kW	4,5~9,0kW	4,5~11,0kW	4,5~11,0kW	4,5~13,6kW	4,5~17,5kW
P. 126	Outdoor unit Free Multi System E	 CU-2E12SBE	 CU-2E15SBE	 CU-2E18SBE	 CU-3E18PBE	 CU-3E23SBE	 CU-4E23PBE	 CU-4E27PBE	 CU-5E34PBE

Splits 1x1

R410A

4,2kW	5,0kW	6,0kW	7,1kW
	 KIT-XE18-SKE		
 KIT-E15-SKEM	 KIT-E18-SKEM		
 KIT-TE42-TKE	 KIT-TE50-TKE	 KIT-TE60-TKE	
	 KIT-FE50-UKE		
	 KIT-BE50-TKE		
	 KIT-DE50-TKE		
 KIT-E15-PKEA	 KIT-E18-PKEA		
	 KIT-E18-PFE		
	 KIT-E18-RB4EA	 KIT-E21-RB4EA	
	 KIT-E18-RD3EA		

4,2kW	5,0kW	6,0kW	7,1kW
	 CS-XZ50TKEW		
 CS-Z42TKEW	 CS-Z50TKEW		 CS-Z71TKEW
 CS-TZ42TKEW-1	 CS-TZ50TKEW	 CS-TZ60TKEW	 CS-TZ71TKEW
 CS-TE42TKEW	 CS-TE50TKEW	 CS-TE60TKEW	
	 CS-Z50UFEAW		
	 CS-Z50UB4EAW	 CS-Z60UB4EAW	
	 CS-Z50UD3EAW	 CS-Z60UD3EAW	

Page	Multi Wall TZ/TE	4,0 ~ 5,7kW	4,0 ~ 7,5kW	4,8 ~ 9,0kW
P. 128	Outdoor unit Multi RE for wall TZ indoors	 CU-2RE15SBE	 CU-2RE18SBE	 CU-3RE18SBE

Splits 1x1

R410A

WALL MOUNTED TE COMPACT STYLE INVERTER

• R410A GAS



TE compact indoor size

The TE indoor units have compact size. With 799mm of width, you can put the air conditioner on the top of the door.

The TE Inverter models are powerful and efficient, with a high energy efficiency class of A++ / A+. The TE works in cooling mode from -10°C outdoors and -15°C in heating with a high efficiency. Furthermore, the PM2,5 filter and the low operation noise is making this TE Series a great choice in the compact category.

Technical focus

- Compact design with 799mm
- Aerowings to control air draft direction
- PM2,5 Filter to create clean and comfort indoor quality
- Complete line-up of standard Inverter models
- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R22 pipings
- Long connection distance (from 15m up to 30m)
- Wired control (Optional)
- Smartphone control (Optional)

Kit			KIT-TE20-TKE	KIT-TE25-TKE	KIT-TE35-TKE	KIT-TE42-TKE	KIT-TE50-TKE	KIT-TE60-TKE
Cooling capacity	Nominal (Min - Max)	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)	5,00(0,98 - 5,60)	6,30(0,98 - 7,10)
EER ¹⁾	Nominal (Min - Max)	W/W	3,77(3,00 - 3,75)A	3,73(3,40 - 3,30)A	3,43(3,33 - 3,22)A	3,28(3,21 - 2,75)A	3,36(3,44 - 3,20)A	3,20(3,50 - 2,93)A
SEER ²⁾		W/W	6,10 A++	6,10 A++	6,10 A++	5,60 A+	6,50 A++	6,20 A++
Pdesign (cooling)		kW	2,0	2,5	3,5	4,2	5,0	6,3
Input power cooling	Nominal (Min - Max)	kW	0,53(0,25 - 0,64)	0,67(0,25 - 0,91)	1,02(0,26 - 1,21)	1,28(0,27 - 1,67)	1,49(0,29 - 1,75)	1,97(0,28 - 2,42)
Annual energy consumption ³⁾		kWh/a	115	143	201	263	269	356
Heating capacity	Nominal (Min - Max)	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)	5,80(0,98 - 7,80)	7,20(0,98 - 8,50)
Heating capacity at -7°C		kW	2,14	2,70	3,30	3,90	4,66	5,24
COP ¹⁾	Nominal (Min - Max)	W/W	3,97(3,78 - 3,43)A	4,07(4,10 - 3,57)A	3,74(4,00 - 3,54)A	3,65(4,00 - 3,29)A	3,72(2,88 - 3,36)A	3,38(2,88 - 3,13)B
SCOP ²⁾		W/W	4,00 A+	4,10 A+	4,10 A+	3,80 A	4,10 A+	4,00 A+
Pdesign at -10°C		kW	1,9	2,4	2,8	3,6	4,0	4,6
Input power heating	Nominal (Min - Max)	kW	0,68(0,19 - 1,05)	0,81(0,20 - 1,15)	1,07(0,20 - 1,44)	1,37(0,20 - 2,07)	1,56(0,34 - 2,32)	2,13(0,34 - 2,74)
Annual energy consumption ³⁾		kWh/a	665	820	956	1326	1366	1610
Indoor unit			CS-TE20TKEW	CS-TE25TKEW	CS-TE35TKEW	CS-TE42TKEW	CS-TE50TKEW	CS-TE60TKEW
Air volume	Cool / Heat	m ³ /min	10,0/10,9	10,9/11,6	11,8/12,5	12,3/12,9	19,9/20,8	20,8/21,4
Moisture removal volume		L/h	1,3	1,5	2,0	2,4	2,8	3,5
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/25/20	40/26/20	42/30/20	44/31/29	44/37/34	45/37/34
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/26/22	40/27/22	42/33/22	44/35/28	44/37/34	45/37/34
Dimension	H x W x D	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	302 x 1102 x 244	302 x 1102 x 244
Net weight		kg	8	8	8	8	12	12
Outdoor unit			CU-TE20TKE	CU-TE25TKE	CU-TE35TKE	CU-TE42TKE	CU-TE50TKE	CU-TE60TKE
Power source		V	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	16
Connection indoor / outdoor		mm ²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5
Air volume	Cool / Heat	m ³ /min	31,2/29,7	30,0/28,9	28,7/30,4	33,6/34,0	33,0/33,9	42,6/41,5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	47/48	48/50	49/51	48/49	49/49
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320
Net weight		kg	26	27	32	32	40	42
Piping connections	Liquid pipe	Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)
	Gas pipe	Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)	1/2(12,70)	1/2(12,70)	1/2(12,70)
Pipe length range		m	3 - 15	3 - 15	3 - 15	3 - 15	3 - 20	3 - 20
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	7,5	7,5
Additional gas amount		g/m	15	15	20	20	20	20
Refrigerant (R410A)		kg/TCO ₂ Eq.	0,66 / 1,378	0,77 / 1,608	0,95 / 1,984	1,01 / 2,109	1,38 / 2,881	1,34 / 2,798
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link

Accessories

CZ-RD514C	Wired remote controller for wall mounted
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1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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

NEW WALL MOUNTED FE TYPE STANDARD INVERTER • R410A GAS



New FE series inverter powerful and efficient



Technical focus

- PM2,5 Filter to create clean and comfort indoor quality
- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R22 pipings
- Long connection distance
- Wired control (Optional)
- Smartphone control (Optional)



Kit			KIT-FE25-UKE	KIT-FE35-UKE	KIT-FE50-UKE
Cooling capacity	Nominal (Min - Max)	kW	2,50 [0,85 - 3,00]	3,40 [0,85 - 3,90]	5,00 [0,98 - 5,40]
EER ¹⁾	Nominal (Min - Max)	W/W	3,57 [3,40 - 3,26] A	3,12 [3,33 - 3,00] B	2,98 [3,44 - 2,86] C
SEER ²⁾	W/W	W/W	6,20 A+++	6,10 A+++	6,20 A+++
Pdesign (cooling)		kW	2,5	3,4	5,0
Input power cooling	Nominal (Min - Max)	kW	0,70 [0,25 - 0,92]	1,09 [0,26 - 1,30]	1,68 [0,29 - 1,89]
Annual energy consumption ³⁾		kWh/a	141	195	282
Heating capacity	Nominal (Min - Max)	kW	3,15 [0,80 - 3,60]	3,84 [0,80 - 4,40]	5,40 [0,98 - 7,50]
Heating capacity at -7°C		kW	2,14	2,60	4,58
COP ¹⁾	Nominal (Min - Max)	W/W	3,99 [4,10 - 3,43] A	3,66 [4,10 - 3,41] A	3,38 [2,80 - 3,04] C
SCOP ²⁾	W/W	W/W	3,80 A	3,80 A	3,90 A
Pdesign at -10°C		kW	1,9	2,4	4,0
Input power heating	Nominal (Min - Max)	kW	0,79 [0,20 - 1,05]	1,05 [0,20 - 1,29]	1,60 [0,35 - 2,47]
Annual energy consumption ³⁾		kWh/a	700	884	1436
Indoor unit			CS-FE25UKE	CS-FE35UKE	CS-FE50UKE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm ²	4 x 1,5	4 x 1,5	4 x 1,5
Air volume	Cool / Heat	m ³ /min	10,3/11,0	10,7/11,2	11,6/12,5
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/26/20	38/30/20	44/37/34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37/27/24	38/33/25	44/37/34
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214
Net weight		kg	8	8	9
Outdoor unit			CU-FE25UKE	CU-FE35UKE	CU-FE50UKE
Air volume	Cool / Heat	m ³ /min	30,5/30,5	31,1/31,1	32,7/32,7
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48/49	48/50	48/49
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
Net weight		kg	26	27	38
Piping connections	Liquid pipe	Inch (mm)	1/4 [6,35]	1/4 [6,35]	1/4 [6,35]
	Gas pipe	Inch (mm)	3/8 [9,52]	3/8 [9,52]	1/2 [12,70]
Pipe length range		m	3 - 15	3 - 15	3 - 15
Elevation difference (in/out) ⁶⁾		m	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	15	15	20
Refrigerant (R410A)		kg/TCO ₂ Eq.	0,66/1,378	0,86/1,796	1,34/2,798
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Line

Accessories	
CZ-RD514C	Wired remote controller for wall mounted

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. Q-Lo: Quiet mode. Lo: The lowest fan speed (the lowest fan speed for FE50). 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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

WALL MOUNTED BE TYPE STANDARD INVERTER • R410A GAS

Splits 1x1

R410A



BE series inverter powerful and efficient



Technical focus

- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R22 pipings
- Long connection distance
- Wired control (Optional)
- Smartphone control (Optional)

CS-BE50TKE



Kit			KIT-BE25-TKE-1	KIT-BE35-TKE-1	KIT-BE50-TKE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,40 (0,85 - 3,90)	5,00 (0,98 - 5,40)
EER ¹⁾	Nominal (Min - Max)	W/W	3,52 (3,40 - 3,23) A	3,06 (3,33 - 2,95) B	2,94 (3,44 - 2,83) C
SEER ²⁾		W/W	5,80 A+	5,60 A+	5,90 A+
Pdesign (cooling)		kW	2,5	3,4	5,0
Input power cooling	Nominal (Min - Max)	kW	0,71 (0,25 - 0,93)	1,11 (0,26 - 1,32)	1,70 (0,29 - 1,91)
Annual energy consumption ³⁾		kWh/a	151	213	297
Heating capacity	Nominal (Min - Max)	kW	3,15 (0,80 - 3,60)	3,84 (0,80 - 4,40)	5,40 (0,98 - 7,50)
Heating capacity at -7°C		kW	2,14	2,60	4,58
COP ¹⁾	Nominal (Min - Max)	W/W	4,04 (4,10 - 3,46) A	3,69 (4,10 - 3,44) A	3,40 (2,80 - 3,05) C
SCOP ²⁾		W/W	4,00 A+	4,00 A+	4,00 A+
Pdesign at -10°C		kW	1,9	2,4	4,0
Input power heating	Nominal (Min - Max)	kW	0,78 (0,20 - 1,04)	1,04 (0,20 - 1,28)	1,59 (0,35 - 2,46)
Annual energy consumption ³⁾		kWh/a	665	840	1400
Indoor unit			CS-BE25TKE-1	CS-BE35TKE-1	CS-BE50TKE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm ²	4 x 1,5	4 x 1,5	4 x 1,5
Air volume	Cool / Heat	m ³ /min	10,3/11,0	10,7/11,2	11,6/12,5
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/26/20	38/30/20	44/37/34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37/27/24	38/33/25	44/37/34
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214
Net weight		kg	8	8	9
Outdoor unit			CU-BE25TKE-1	CU-BE35TKE-1	CU-BE50TKE
Air volume	Cool / Heat	m ³ /min	30,5/30,5	31,1/31,1	32,7/32,7
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48/49	48/50	48/49
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
Net weight		kg	26	27	38
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 - 15	3 - 15	3 - 15
Elevation difference (in/out) ⁶⁾		m	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	15	15	20
Refrigerant (R410A)		kg/TCO ₂ Eq.	0,66 / 1,378	0,86 / 1,796	1,34 / 2,798
Operating range	Cool Min ~ Max	°C	+5 ~ +43	+5 ~ +43	+5 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link

Accessories

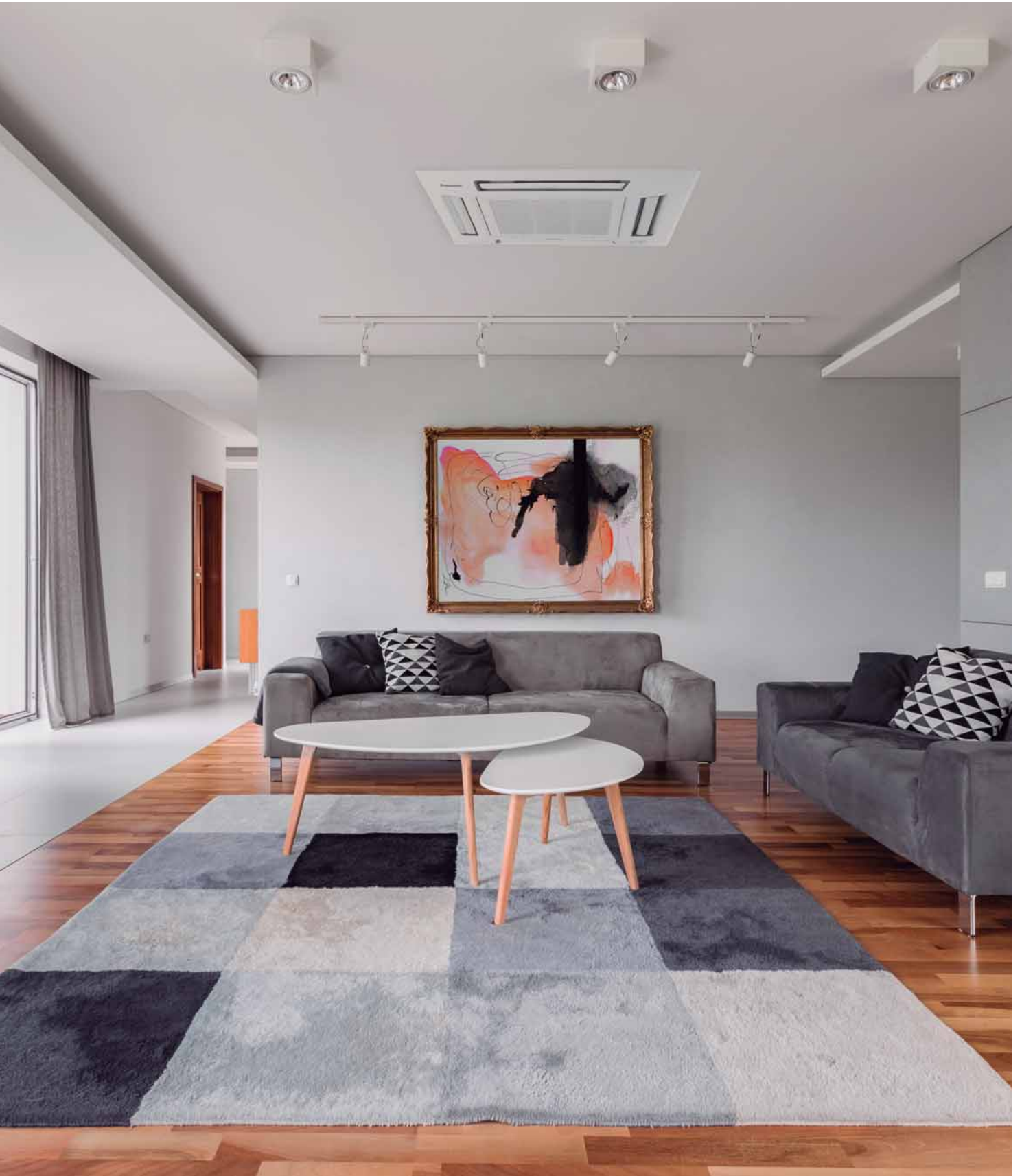
CZ-RD514C	Wired remote controller for wall mounted
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1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure 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. Q-Lo: Quiet mode. Lo: The lowest fan speed (the lowest fan speed for BE50). 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-BE50-TKE. INTERNET CONTROL: Optional.

MORE FOR YOUR HOME



Splits 1x1

R410A

FLOOR CONSOLE TYPE INVERTER+

• R410A GAS



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 for quick heating.

Technical focus

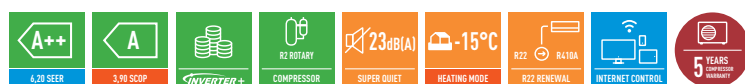
- This units can be installed on R22 pipings
- Heating mode down to -15°C with high efficiency
- Double airflow for better efficiency
- Powerful mode for quick temperature setting
- R410A refrigerant gas

Kit			KIT-E9-PFE	KIT-E12-PFE	KIT-E18-PFE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 3,80)	5,00 (0,98 - 5,60)
EER ¹⁾	Nominal (Min - Max)	W/W	4,50 A	3,72 A	3,25 A
SEER ²⁾		W/W	6,10 A++	5,80 A++	6,20 A++
Pdesign (cooling)		kW	2,50	3,50	5,00
Input power cooling	Nominal (Min - Max)	kW	0,56	0,94	1,54
Annual energy consumption ³⁾		kWh/a	143	211	282
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,00)	4,00 (0,85 - 6,00)	5,80 (0,98 - 7,10)
Heating capacity at -7°C		kW	2,35	2,86	3,87
COP ¹⁾	Nominal (Min - Max)	W/W	4,20 A	4,00 A	3,63 A
SCOP ²⁾		W/W	3,80 A	3,80 A	3,90 A
Pdesign at -10°C		kW	2,7	3,2	4,4
Input power heating	Nominal (Min - Max)	kW	0,81	1,00	1,60
Annual energy consumption ³⁾		kWh/a	995	1179	1579
Indoor unit			CS-E9GFEW	CS-E12GFEW	CS-E18GFEW
Air volume	Cool / Heat	m ³ /min	9,3/9,6	9,5/10,0	11,0/13,0
Moisture removal volume		L/h	1,4	2,0	2,8
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	38/27/23	39/28/24	44/36/32
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/27/23	39/27/23	46/36/32
Dimension	HxWxD	mm	600x700x210	600x700x210	600x700x210
Net weight		kg	14	14	14
Outdoor unit			CU-E9PFE	CU-E12PFE	CU-E18PFE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Outdoor unit			CU-E9PFE	CU-E12PFE	CU-E18PFE
Air volume	Cool / Heat	m ³ /min	29,8/29,8	33,3/33,3	39,2/37,9
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	48/50	47/48
Dimension ⁵⁾	HxWxD	mm	542x780x289	619x824x299	695x875x320
Net weight		kg	33	34	46
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 - 15	3 - 15	3 - 20
Elevation difference (in/out) ⁶⁾		m	5	5	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	20	20	20
Refrigerant (R410A)		kg/TCO ₂ Eq.	0,97/2,025	1,00/2,088	1,12/2,339
Operating range	Cool Min ~ Max	°C	+16 ~ +43	+16 ~ +43	+16 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories

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

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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

4 WAY 60x60 CASSETTE STANDARD INVERTER

• R410A GAS



Specially designed for offices, retail and restaurant applications, this Cassette fits perfectly into 60x60 or 70x70 ceiling grids

Compact Cassette with high efficiency even at low temperatures, this Cassette in 9 and 12kW versions can also be connected to KNX, Modbus, EnOcean interfaces for easy integration with your BMS systems. Interfaces have dry contacts (ON/OFF, error message) to enable easy integration. With the wireless interfaces, you can also control the Cassette from your smartphone and internet very easily! Fit Panasonic's Cassette Type, and start to save all year round!

Technical focus

- Cassettes can be controlled by IntesisHome, KNX, EnOcean and Modbus
- This units can be installed on R22 pipings
- Designed for easy installation in the standard European 60x60 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)
- Air fresh entry available on the Cassette

KIT			KIT-E9-PB4EA	KIT-E12-PB4EA	KIT-E18-RB4EA	KIT-E21-RB4EA
Cooling capacity	Nominal (Min - Max)	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]
EER ¹⁾	Nominal (Min - Max)	W/W	4,55 [3,54 - 4,05] A	3,82 [3,54 - 3,33] A	3,13 [3,53 - 2,97] B	2,88 [3,53 - 2,86] C
SEER ²⁾		W/W	5,80 A+	5,60 A+	5,80 A+	5,60 A+
Pdesign (cooling)		kW	2,50	3,40	5,00	5,90
Input power cooling	Nominal (Min - Max)	kW	0,55 [0,24 - 0,74]	0,89 [0,24 - 1,20]	1,60 [0,26 - 1,95]	2,05 [0,26 - 2,20]
Annual energy consumption ³⁾		kWh/a	151	213	302	369
Heating capacity	Nominal (Min - Max)	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]
Heating capacity at -7°C		kW	2,60	3,00	—	—
COP ¹⁾	Nominal (Min - Max)	W/W	4,00 [3,70 - 3,56] A	3,17 [3,70 - 2,80] D	3,01 [3,46 - 2,92] D	2,86 [3,46 - 2,84] D
SCOP ²⁾		W/W	4,00 A+	3,80 A	4,10 A+	4,10 A+
Pdesign at -10°C		kW	2,70	3,00	3,80	4,00
Input power heating	Nominal (Min - Max)	kW	0,80 [0,23 - 1,35]	1,42 [0,23 - 2,00]	1,86 [0,26 - 2,43]	2,45 [0,26 - 2,82]
Annual energy consumption ³⁾		kWh/a	945	1105	1298	1366
Indoor unit			CS-E9PB4EA	CS-E12PB4EA	CS-E18RB4EAW	CS-E21RB4EAW
Panel			CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Air volume	Cool / Heat	m ³ /min	10,5 / 10,8	10,5 / 10,8	11,5 / 11,8	12,4 / 14,6
Moisture removal volume		L/h	1,5	2,3	2,8	3,3
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	34 / 26 / 23	34 / 26 / 23	37 / 28 / 25	42 / 33 / 30
	Heat (Hi / Lo / Q-Lo)	dB(A)	35 / 28 / 25	35 / 28 / 25	38 / 29 / 26	43 / 34 / 31
Dimension (HxWxD)	Indoor	mm	260x575x575	260x575x575	260x575x575	260x575x575
	Panel	mm	51x700x700	51x700x700	51x700x700	51x700x700
Net weight	Indoor / Panel	kg	18/2,5	18/2,5	18/2,5	18/2,5
Outdoor unit			CU-E9PB4EA	CU-E12PB4EA	CU-E18RBEA	CU-E21RBEA
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	16
Connection indoor / outdoor		mm ²	4x1,5 to 2,5	4x1,5 to 2,5	4x1,5 to 2,5	4x1,5 to 2,5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	45 / 46	45 / 47	47 / 48	49 / 50
	HxWxD	mm	622x824x299	695x875x320	695x875x320	695x875x320
Net weight		kg	36	45	47	47
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3~20	3~20	3~30	3~30
Elevation difference (in/out) ⁴⁾		m	15	15	20	20
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	20	20	20	20
Refrigerant [R410A]		kg / TCO ₂ Eq.	—	—	—	—
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

Accessories

CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link
PA-AC-WIFI-1	Full bidirectional Wifi interface for Internet control

Accessories

PAW-IR-WIFI-1	IR Wifi interface for Internet control
CZ-RD52CP	Wired remote controller for Floor Console and Cassette

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body and 1,5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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

Splits 1x1

R410A

LOW STATIC PRESSURE HIDE AWAY STANDARD INVERTER

• R410A GAS



Designed for homes, offices, retail and restaurants, this duct is ideal for small rooms where the air conditioning and the heating should be nicely integrated and where high comfort and efficiency is needed

The 9 and 12kW duct can also be connected to KNX, Modbus, EnOcean interfaces for easy integration with your BMS systems. This interfaces have dry contacts (ON/OFF, error message) for easy integration. With the wireless interfaces, you can control the Duct also from your smartphone and internet very easily!

Technical focus

- Duct type can be controlled by IntesisHome, KNX, EnOcean and Modbus
- This units can be installed on R22 pipings
- Eco mode for 20% energy saving
- Extremely compact indoor units without losing static pressure (only 235mm high)
- Weekly timer, 42 settings per week
- Easy check mode for failure detection
- Drain pump included (maximum 200mm)

KIT			KIT-E9-PD3EA	KIT-E12-QD3EA	KIT-E18-RD3EA
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,40 (0,85 - 4,00)	5,10 (0,90 - 5,70)
EER ¹⁾	Nominal (Min - Max)	W/W	4,24 (3,54 - 3,95) A	3,86 (3,54 - 3,45) A	3,19 (3,53 - 3,13) B
SEER ²⁾		W/W	5,80 ▲	5,60 ▲	5,80 ▲
Pdesign (cooling)		kW	2,50	3,40	5,10
Input power cooling	Nominal (Min - Max)	kW	0,59 (0,24 - 0,76)	0,88 (0,24 - 1,16)	1,60 (0,26 - 1,82)
Annual energy consumption ³⁾		kWh/a	151	213	308
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 4,60)	4,00 (0,85 - 5,10)	6,10 (0,90 - 7,10)
Heating capacity at -7°C		kW	2,60	3,00	4,30
COP ¹⁾	Nominal (Min - Max)	W/W	3,72 (3,70 - 3,33) A	3,54 (3,70 - 3,29) B	3,33 (3,46 - 3,26) C
SCOP ²⁾		W/W	4,20 ▲	3,80 ▲	3,90 ▲
Pdesign at -10°C		kW	2,60	2,90	4,00
Input power heating	Nominal (Min - Max)	kW	0,86 (0,23 - 1,38)	1,13 (0,23 - 1,55)	1,83 (0,26 - 2,18)
Annual energy consumption ³⁾		kWh/a	867	1068	1436
Indoor unit			CS-E9PD3EA	CS-E12QD3EAW	CS-E18RD3EAW
External static pressure ⁴⁾	S-Hi / Hi / Me / Lo	Pa	N/A	N/A	N/A
Air volume	Cool / Heat	m ³ /min	6,9/8,1	9,3/10,4	15,3/15,3
Moisture removal volume		L/h	1,50	2,30	2,80
Sound pressure ⁵⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	33/27/24	34/27/24	41/30/27
	Heat (Hi / Lo / Q-Lo)	dB(A)	35/28/25	36/28/25	41/32/29
Dimension	H x W x D	mm	235 x 750 x 370	235 x 750 x 370	200 x 750 x 640
Net weight		kg	17	17	19
Outdoor unit			CU-E9PD3EA	CU-E12QD3EA	CU-E18RBEA
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm ²	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5
Sound pressure ⁵⁾	Cool / Heat (Hi)	dB(A)	47/47	47/48	47/48
Dimension ⁶⁾	H x W x D	mm	622 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	36	45	47
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 - 20	3 - 20	3 - 30
Elevation difference (in/out) ⁷⁾		m	15	15	20
Pipe length for additional gas		m	7,5	7,5	10
Additional gas amount		g/m	20	20	20
Refrigerant (R410A)		kg/TCO ₂ Eq.	—	—	—
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24

Accessories

CZ-TACG1 NEW Panasonic Wifi kit for internet control

Accessories

CZ-CAPRA1 RAC interface adapter for integration into P Link

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The specification listed on the table indicates values under the condition of 29Pa (3,0mmAq) which are applied for factory default setting. Change switch on PCB from Hi to Shii to have more than 6,0mmAq. 5) The sound pressure of the units shows the value measured of a position of 1,5m below the unit with 1m duct on the suction side and 2m duct on the discharge side. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-E9-PD3EA. FILTER INCLUDED: For CS-E18RD3EAW. INTERNET CONTROL: Optional.

R410A

Free Multi System E



Outdoor unit Free Multi System E • R410A GAS

System Capacity (Min - Max Indoor Cooling Capacity Nominal)			3,2 to 5,7kW	3,2 to 5,7kW	3,2 to 7,5kW	4,5 to 9,0kW	4,5 to 11,0kW	4,5 to 11,0kW	4,5 to 13,6kW	4,5 to 17,5kW
Unit			CU-2E12SBE	CU-2E15SBE	CU-2E18SBE	CU-3E18PBE	CU-3E23SBE	CU-4E23PBE	CU-4E27PBE	CU-5E34PBE
Cooling capacity	Nominal (Min - Max)	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)	6,80(1,90-8,00)	6,80(1,90-8,00)	8,00(3,00-9,20)	10,00(2,90-11,50)
EER ¹⁾		W/W	4,50(6,00-4,09)	3,66(6,00-3,42)	3,42(6,00-3,42)	4,33(5,00-3,24)	3,56(7,04-3,38)	4,05(5,59-3,56)	4,04(5,66-3,21)	3,50(5,27-2,98)
SEER ²⁾		W/W	6,50 A+++	6,50 A+++	6,50 A+++	7,00 A+++	7,00 A+++	7,00 A+++	7,00 A+++	6,50 A+++
Pdesign (cooling)		kW	3,6	4,5	5,2	5,2	6,8	6,8	8,0	10,0
Input power cooling	Nominal (Min - Max)	kW	0,80(0,25-1,10)	1,23(0,25-1,52)	1,52(0,25-1,58)	1,27(0,36-2,25)	1,91(0,27-2,37)	1,68(0,34-2,47)	1,98(0,53-2,87)	2,86(0,55-3,86)
Annual energy consumption ³⁾		kWh/a	194	242	280	260	955	340	400	538
Heating capacity	Nominal (Min - Max)	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)	8,50(3,30-10,40)	8,50(3,00-10,40)	9,40(4,20-10,60)	12,00(3,40-14,50)
Heating capacity at -7°C		kW	3,54	3,54	3,65	4,90	6,05	6,05	7,08	8,85
COP ¹⁾		W/W	4,63(5,24-4,41)	4,62(5,24-4,19)	4,63(5,24-4,24)	4,69(3,93-5,00)	4,07(5,32-3,74)	4,47(4,08-5,17)	4,52(6,00-3,46)	4,20(6,42-3,42)
SCOP ²⁾		W/W	4,00 A++	4,00 A++	4,00 A++	4,00 A++	4,00 A++	4,00 A++	4,00 A++	4,00 A++
Pdesign at -10°C		kW	4,0	4,0	4,2	4,8	5,2	5,5	8,0	10,0
Input power heating	Nominal (Min - Max)	kW	0,95(0,21-1,27)	1,17(0,21-1,67)	1,21(0,21-1,70)	1,41(0,32-2,18)	2,09(0,62-2,78)	1,85(0,58-2,60)	2,08(0,70-3,06)	2,86(0,53-4,24)
Annual energy consumption ³⁾		kWh/a	1400	1400	1470	1680	1820	1925	2800	3500
Current	Cool / Heat	A	3,75/4,20	5,75/5,20	7,10/5,35	5,30/6,70	8,40/9,60	7,50/8,80	9,40/9,80	13,20/13,40
Power source		V	230	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20	25
Recommended power cable section		mm ²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	3,5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	47/49	47/49	49/51	46/47	50/51	50/51	51/52	53/54
Dimension ⁵⁾	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 229	795 x 875 x 320	795 x 875 x 320	795 x 875 x 320	999 x 940 x 340	999 x 940 x 340
Net weight		kg	39	39	39	71	71	72	80	81
Piping connections	Liquid pipe	Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)	1/4(6,35)
	Gas pipe	Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)
Pipe length range total ⁶⁾		m	6-30	6-30	6-30	6-50	6-60	6-60	6-80	6-80
Pipe length range to one unit		m	3-20	3-20	3-20	3-25	3-25	3-25	3-25	3-25
Elevation difference (in/out)		m	10	10	10	15	15	15	15	15
Pipe length for additional gas		m	20	20	20	30	30	30	45	45
Additional gas amount		g/m	15	15	15	20	20	20	20	20
Refrigerant (R410A)		kg/TCO ₂ Eq.	1,40/2,9232	1,40/2,9232	1,40/2,9232	2,64/5,5123	2,64/5,5123	2,64/5,5123	3,40/7,0992	3,40/7,0992
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) 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. 5) Add 70 or 95mm for piping port. 6) Minimum piping length is 3 meters per indoor unit. Minimum quantity of connection: 2 indoor units.

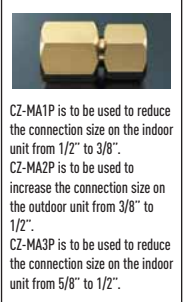
Possible outdoor / indoor units combinations • R410A GAS

	Etherea Silver	Etherea Pure White Matt	Wall Mounted TZ / TE Compact Style	NEW Floor Console	NEW 4 Way 60x60 Cassette	NEW Low Static Pressure Hide Away
	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71
CU-2E12SBE // 3,2 - 5,7kW // 2 Rooms	✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
CU-2E15SBE // 3,2 - 5,7kW // 2 Rooms	✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
CU-2E18SBE // 3,2 - 7,5kW // 2 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-3E18PBE // 4,5 - 9,0kW // 3 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-3E23SBE // 4,5 - 11,0kW // 3 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-4E23PBE // 4,5 - 11,0kW // 4 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-4E27PBE // 4,5 - 13,6kW // 4 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾
CU-5E34PBE // 4,5 - 17,5kW // 5 Rooms	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ¹⁾ ✓ ¹⁾	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾	✓ ✓ ✓ ✓ ¹⁾

1) A CZ-MA1P pipe reducer is needed on the 42 and 50, a CZ-MA2P pipe expander is needed on the 60 and CZ-MA3P pipe reducer on the 71.

Outdoor Multi combination model

	Model
CS-MZ16TKE / CS-MTZ16TKE CS-XZ20TKEW / CS-Z20TKEW / CS-TZ20TKEW-1 / CS-TE20TKEW / CS-MZ20UFEA / CS-MZ20UB4EA / CS-MZ20UD3EA CS-XZ25TKEW / CS-Z25TKEW / CS-TZ25TKEW-1 / CS-TE25TKEW / CS-Z25UFEAW / CS-Z25UB4EAW / CS-Z25UD3EAW CS-XZ35TKEW / CS-Z35TKEW / CS-TZ35TKEW-1 / CS-TE35TKEW / CS-Z35UFEAW / CS-Z35UB4EAW / CS-Z35UD3EAW	CU-2E12SBE / CU-2E15SBE / CU-2E18SBE / CU-3E18PBE / CU-3E23SBE / CU-4E23PBE / CU-4E27PBE / CU-5E34PBE
CS-Z42TKEW / CS-TZ42TKEW-1 / CS-TE42TKEW CS-XZ50TKEW / CS-Z50TKEW / CS-TZ50TKEW / CS-TE50TKEW / CS-Z50UFEAW / CS-Z50UD3EAW / CS-Z50UB4EAW	CU-2E18SBE / CU-3E18PBE / CU-3E23SBE / CU-4E23PBE / CU-4E27PBE / CU-5E34PBE
CS-TZ60TKEW / CS-TE60TKEW / CS-Z60UB4EAW / CS-Z60UD3EAW	CU-3E23SBE / CU-4E23PBE / CU-4E27PBE / CU-5E34PBE
CS-Z71TKEW / CS-TZ71TKEW	CU-4E27PBE / CU-5E34PBE



* For CZ-MA3P necessary to use adaptor CZ-MA2P too.

Free Multi System E

R410A



IF DESIGN AWARD 2017: Ethers White awarded with the prestigious IF Design Award 2017. INTERNET CONTROL: Optional.



Wall Mounted Ethers	Indoor unit Silver	Indoor unit Pure White Matt	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ Cool — Heat (Hi/Lo/S-Lo)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
						dB(A)				
1,6kW	—	CS-MZ16TKE	1,60/1380	2,60/2240	4x1,5	39/29/23	— 39/29/23	295x919x194/9	1/4 (6,35) / 3/8 (9,52)	
2,0kW	CS-XZ20TKEW	CS-Z20TKEW	2,00/1720	3,20/2750	4x1,5	37/24/19	— 38/25/19	295x919x194/9	1/4 (6,35) / 3/8 (9,52)	
2,5kW	CS-XZ25TKEW	CS-Z25TKEW	2,50/2150	3,60/3010	4x1,5	39/25/19	— 41/27/19	295x919x194/10	1/4 (6,35) / 3/8 (9,52)	
3,5kW ²	CS-XZ35TKEW	CS-Z35TKEW	3,20/2750	4,50/3870	4x1,5	42/28/19	— 43/33/19	295x919x194/10	1/4 (6,35) / 3/8 (9,52)	
4,2kW	—	CS-Z42TKEW	4,00/3440	5,00/4300	4x1,5	43/31/25	— 43/35/29	295x919x194/10	1/4 (6,35) / 1/2 (12,70)	
5,0kW	CS-XZ50TKEW	CS-Z50TKEW	5,00/4300	5,30/4558	4x1,5	44/37/30	— 44/37/30	302x1120x236/12	1/4 (6,35) / 1/2 (12,70)	
7,1kW	—	CS-Z71TKEW	7,10/6105	8,90/7654	—	47/38/30	— 47/38/30	302x1120x236/13	1/4 (6,35) / 5/8 (15,88)	



Compact Style	Indoor unit TZ	Indoor unit TE	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ Cool — Heat (Hi/Lo/S-Lo)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
						dB(A)				
1,6kW	CS-MTZ16TKE	—	1,60/1380	2,60/2240	4x1,5	—	—	290x799x197/8	1/4 (6,35) / 3/8 (9,52)	
2,0kW	CS-TZ20TKEW-1	CS-TE20TKEW	2,00/1720	3,20/2750	4x1,5	37/25/20	— 38/26/22	290x799x197/8	1/4 (6,35) / 3/8 (9,52)	
2,5kW	CS-TZ25TKEW-1	CS-TE25TKEW	2,50/2150	3,60/3010	4x1,5	40/26/20	— 40/27/22	290x799x197/8	1/4 (6,35) / 3/8 (9,52)	
3,5kW ²	CS-TZ35TKEW-1	CS-TE35TKEW	3,20/2750	4,50/3870	4x1,5	42/30/20	— 42/33/22	290x799x197/8	1/4 (6,35) / 3/8 (9,52)	
4,2kW	CS-TZ42TKEW-1	CS-TE42TKEW	4,00/3440	5,00/4300	4x1,5	44/31/29	— 44/35/28	290x799x197/8	1/4 (6,35) / 1/2 (12,70)	
5,0kW	CS-TZ50TKEW	CS-TE50TKEW	5,00/4300	5,30/4558	4x1,5	44/37/34	— 44/37/34	302x1102x244/12	1/4 (6,35) / 1/2 (12,70)	
6,0kW	CS-TZ60TKEW	CS-TE60TKEW	6,00/5160	8,50/7310	4x1,5	45/37/34	— 45/37/34	302x1102x244/12	1/4 (6,35) / 5/8 (15,88)	
7,1kW	CS-TZ71TKEW	—	7,00/6020	8,70/7482	—	47/38/35	— 47/38/35	302x1102x244/13	1/4 (6,35) / 5/8 (15,88)	



SUPER QUIET: For CS-Z25UFEAW and CS-Z50UFEAW. INTERNET CONTROL: Optional.



NEW Floor Console*	Indoor	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ Cool — Heat (Hi/Lo/S-Lo)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
					dB(A)				
2,0kW	CS-MZ20UFEA	2,00/1720	3,20/2750	4x1,5	—	—	600x750x207/13	—	
2,8kW	CS-Z25UFEAW	2,50/2150	3,60/3010	4x1,5	38/25/20	— 38/25/19	600x750x207/13	1/4 (6,35) / 3/8 (9,52)	
3,5kW ²	CS-Z35UFEAW	3,20/2750	4,50/3870	4x1,5	39/26/20	— 39/26/19	600x750x207/13	1/4 (6,35) / 3/8 (9,52)	
5,0kW	CS-Z50UFEAW	5,00/4300	5,30/4558	4x1,5	44/31/27	— 46/33/29	600x750x207/13	1/4 (6,35) / 1/2 (12,70)	



NEW CZ-BT20EW RAL9010 panel for 4 Way 60x60 Cassette (sold separately)

SUPER QUIET: For CS-Z25UB4EAW. INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.



NEW 4 Way 60x60 Cassette*	Indoor / Panel	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ Cool — Heat (Hi/Lo/S-Lo)		Dimension / Net weight Indoor HxWxD Panel HxWxD		Piping connections Liquid / Gas pipe Inch (mm)	
					dB(A)		mm / kg mm / kg			
2,0kW	CS-MZ20UB4EA / CZ-BT20EW	2,00/1720	3,20/2750	4x1,5	—	—	260x575x575/18 51x700x700/2,5	—	—	
2,5kW	CS-Z25UB4EAW / CZ-BT20EW	2,50/2150	3,60/3010	4x1,5 to 2,5	34/25/22	— 35/28/25	260x575x575/18 51x700x700/2,5	1/4 (6,35) / 3/8 (9,52)		
3,5kW ²	CS-Z35UB4EAW / CZ-BT20EW	3,20/2750	4,50/3870	4x1,5 to 2,5	34/26/23	— 35/28/25	260x575x575/18 51x700x700/2,5	1/4 (6,35) / 3/8 (9,52)		
5,0kW	CS-Z50UB4EAW / CZ-BT20EW	5,00/4300	5,30/4558	4x1,5 to 2,5	37/28/25	— 38/29/26	260x575x575/18 51x700x700/2,5	1/4 (6,35) / 1/2 (12,70)		
6,0kW	CS-Z60UB4EAW / CZ-BT20EW	6,00/5160	8,50/7310	4x1,5 to 2,5	42/32/29	— 43/32/29	260x575x575/18 51x700x700/2,5	1/4 (6,35) / 1/2 (12,70)		



INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.



NEW Low Static Pressure Hide Away*	Indoor	Cooling capacity kW / kCal/h	Heating capacity kW / kCal/h	Connection mm	Sound pressure ¹ Cool — Heat (Hi/Lo/S-Lo)		Dimension / Net weight HxWxD mm / kg	Piping connections Liquid / Gas pipe Inch (mm)	
					dB(A)				
2,0kW	CS-MZ20UD3EA	2,00/1720	3,20/2750	4x1,5	—	—	200x750x640/19	—	
2,5kW	CS-Z25UD3EAW	2,50/2150	3,60/3010	4x1,5 to 2,5	33/27/24	— 35/27/24	200x750x640/19	1/4 (6,35) / 3/8 (9,52)	
3,5kW ²	CS-Z35UD3EAW	3,20/2750	4,50/3870	4x1,5 to 2,5	33/27/24	— 35/27/24	200x750x640/19	1/4 (6,35) / 3/8 (9,52)	
5,0kW	CS-Z50UD3EAW	5,00/4300	5,30/4558	4x1,5 to 2,5	39/29/26	— 39/30/27	200x750x640/19	1/4 (6,35) / 1/2 (12,70)	
6,0kW	CS-Z60UD3EAW	6,00/5160	8,50/7310	4x1,5 to 2,5	41/30/27	— 41/32/29	200x750x640/19	1/4 (6,35) / 1/2 (12,70)	

1) The sound pressure of the units shows the value measured of a position 1m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 2) The heating capacity is 4.40 kW connected to a CU-2E1ZSBE.
* Tentative data.



Outdoor unit Multi Wall TZ/TE • R410A GAS

System Capacity			4,0 to 5,7kW	4,0 to 7,5kW	4,8 to 9,0kW
			CU-2RE15SBE	CU-2RE18SBE	CU-3RE18SBE
Cooling capacity	Nominal (Min - Max)	kW	4,40(1,50 - 4,80)	4,80(1,50 - 5,00)	5,20(1,80 - 7,30)
SEER ¹⁾		W/W	6,50 A++	6,50 A++	7,00 A++
Pdesign (cooling)		kW	4,4	4,8	5,2
Annual energy consumption ²⁾		kWh/a	237	258	260
Heating capacity	Nominal (Min - Max)	kW	4,80(1,10 - 6,50)	5,20(1,10 - 6,70)	6,80(1,60 - 8,30)
SCOP ¹⁾		W/W	4,00 A+	4,00 A+	4,00 A+
Pdesign at -10°C		kW	3,6	3,8	4,8
Annual energy consumption ²⁾		kWh/a	1260	1330	1680
Sound pressure ³⁾	Cool (Hi)	dB(A)	47	49	46
	Heat (Hi)	dB(A)	49	51	47
Dimension ⁴⁾	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	795 x 875 x 320
Net weight		kg	39	39	71
Piping connections	Liquid pipe	Inch (mm)	1/4(6,35)	1/4(6,35)	1/4(6,35)
	Gas pipe	Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)
Pipe length range total		m	6 - 30	6 - 30	6 - 50
Pipe length range to one unit		m	3 - 20	3 - 20	3 - 25
Elevation difference (in/out)		m	10	10	15
Pipe length for additional gas		m	20	20	30
Additional gas amount		g/m	15	15	20
Refrigerant [R410A]		kg/TCO ₂ Eq.	1,40/2,9232	1,40/2,9232	2,64/5,5123
Operating range	Cool Min ~ Max	°C	+16 ~ +43	+16 ~ +43	+16 ~ +43
	Heat Min ~ Max	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24

1) Energy Label Scale from A+++ to D. 2) The annual energy consumption is calculated in accordance to EU/626/2011. 2) 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. 3) Add 70 or 95mm for piping port. Minimum quantity of connection: 2 indoor units.

Possible outdoor / indoor units combinations • R410A GAS

	Wall Mounted TZ Compact Style						Wall Mounted TE Compact Style					
	16	20	25	35	42	50	16	20	25	35	42	50
CU-2RE15SBE // 4,0 - 5,7kW // 2 Rooms	✓	✓	✓	✓				✓	✓	✓		
CU-2RE18SBE // 4,0 - 7,5kW // 2 Rooms	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
CU-3RE18SBE // 4,8 - 9,0kW // 3 Rooms	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓



Compact Style	Indoor unit TZ	Indoor unit TE	Cooling capacity	Heating capacity	Connection	Sound pressure ¹⁾		Dimension / Net weight	Piping connections
						Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
1,6kW	CS-MTZ16TKE	—	1,60 / 1380	2,60 / 2240	4 x 1,5	—	—	290 x 799 x 197 / 8	1/4(6,35) / 3/8(9,52)
2,0kW	CS-TZ20TKEW-1	CS-TE20TKEW	2,00 / 1720	3,20 / 2750	4 x 1,5	37 / 25 / 20 — 38 / 26 / 23		290 x 799 x 197 / 8	1/4(6,35) / 3/8(9,52)
2,5kW	CS-TZ25TKEW-1	CS-TE25TKEW	2,50 / 2150	3,60 / 3010	4 x 1,5	40 / 26 / 20 — 40 / 27 / 24		290 x 799 x 197 / 8	1/4(6,35) / 3/8(9,52)
3,5kW	CS-TZ35TKEW-1	CS-TE35TKEW	3,20 / 2750	4,50 / 3870	4 x 1,5	42 / 30 / 20 — 42 / 33 / 25		290 x 799 x 197 / 8	1/4(6,35) / 3/8(9,52)
4,2kW	CS-TZ42TKEW-1	CS-TE42TKEW	4,00 / 3440	5,00 / 4300	4 x 1,5	44 / 31 / 29 — 44 / 35 / 28		290 x 799 x 197 / 8	1/4(6,35) / 1/2(12,70)
5,0kW	CS-TZ50TKEW	CS-TE50TKEW	5,00 / 4300	5,30 / 4558	4 x 1,5	44 / 37 / 34 — 44 / 37 / 34		302 x 1102 x 244 / 12	1/4(6,35) / 1/2(12,70)

1) The sound pressure of the units shows the value measured of a position 1m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.

Multi Split System

R410A



INTERNET CONTROL: Optional. If DESIGN AWARD 2017: Etherea White awarded with the prestigious IF Design Award 2017.



Etherea Multi Split Inverter+ • R410A GAS

				Day & Night					
Rooms		2 Rooms			3 Rooms				
Kit Silver		KIT-2XE2525-SBE	KIT-2XE2035-SBE	KIT-2XE2535-SBE	KIT-3XE202035-PBE	KIT-3XE252535-PBE			
Indoor unit Silver		CS-XZ25TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-Z25TKEW	CS-XZ35TKEW CS-XZ20TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW CS-XZ25TKEW			
Kit Pure White Matt		KIT-2E2525-SBE	KIT-2E2035-SBE	KIT-2E2535-SBE	KIT-3E202035-PBE	KIT-3E252535-PBE			
Indoor unit Pure White Matt		CS-Z25TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW CS-Z25TKEW			
Outdoor unit		CU-2E15SBE			CU-2E15SBE			CU-3E18PBE	
Cooling capacity	Nominal (Min - Max)	kW	4,50 (1,50 - 5,20)	4,50 (1,50 - 5,20)	4,50 (1,50 - 5,20)	5,20 (1,90 - 7,20)	5,20 (1,90 - 7,20)		
EER		W/W	3,66 A	3,66 A	3,66 A	3,80 A	4,23 A		
Heating capacity	Nominal (Min - Max)	kW	5,40 (1,10 - 7,00)	5,40 (1,10 - 7,00)	5,40 (1,10 - 7,00)	6,80 (1,60 - 8,30)	6,80 (1,60 - 8,30)		
COP		W/W	4,62 A	4,62 A	4,62 A	4,36 A	4,17 A		
Indoor dimension	(HxWxD)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194		
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20)	10		

				Simultaneous					
Rooms		2 Rooms			3 Rooms				
Kit Silver		KIT-2XE2525-SKE	KIT-2XE2035-SKE	KIT-2XE2535-SKE	KIT-3XE202035-SKE	KIT-3XE252535-SKE			
Indoor unit Silver		CS-XZ25TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW	CS-XZ35TKEW CS-XZ20TKEW CS-XZ20TKEW	CS-XZ35TKEW CS-XZ25TKEW CS-XZ25TKEW			
Kit Pure White Matt		KIT-2E2525-SKE	KIT-2E2035-SKE	KIT-2E2535-SKE	KIT-3E202035-SKE	KIT-3E252535-SKE			
Indoor unit Pure White Matt		CS-Z25TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW	CS-Z35TKEW CS-Z20TKEW CS-Z20TKEW	CS-Z35TKEW CS-Z25TKEW CS-Z25TKEW			
Outdoor unit		CU-2E18SBE			CU-2E18SBE			CU-3E23SBE	
Cooling capacity	Nominal (Min - Max)	kW	5,00 (1,50 - 5,20)	5,20 (1,50 - 5,40)	5,20 (1,50 - 5,40)	6,80 (1,90 - 8,00)	6,80 (1,90 - 8,00)		
EER		W/W	3,47 A	3,42 A	3,42 A	3,56 A	3,56 A		
Heating capacity	Nominal (Min - Max)	kW	5,60 (1,10 - 7,20)	5,60 (1,10 - 7,20)	5,60 (1,10 - 7,20)	8,50 (3,30 - 10,40)	8,50 (3,30 - 10,40)		
COP		W/W	4,63 A	4,63 A	4,63 A	4,09 A	4,09 A		
Indoor dimension	(HxWxD)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194		
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20)	10		



INTERNET CONTROL: Optional.



Multi Split TZ Compact Style • R410A GAS

				Day & Night			Simultaneous			
Rooms		2 Rooms			3 Rooms			2 Rooms		
Kit		KIT-2RE2525-SBE	KIT-2RE2035-SBE	KIT-2RE2535-SBE	KIT-3RE202035-PBE	KIT-3RE252535-PBE	KIT-2RE2525-SKE	KIT-2RE2035-SKE	KIT-2RE2535-SKE	
Indoor unit		CS-TZ25TKEW-1 CS-TZ25TKEW-1	CS-TZ35TKEW-1 CS-TZ20TKEW-1	CS-TZ35TKEW-1 CS-TZ25TKEW-1	CS-TZ35TKEW-1 CS-TZ20TKEW-1 CS-TZ20TKEW-1	CS-TZ35TKEW-1 CS-TZ25TKEW-1 CS-TZ25TKEW-1	CS-TZ25TKEW-1 CS-TZ35TKEW-1	CS-TZ35TKEW-1 CS-TZ20TKEW-1	CS-TZ35TKEW-1 CS-TZ25TKEW-1	
Outdoor unit		CU-2RE15SBE			CU-3RE18SBE			CU-2RE18SBE		
Cooling capacity	Nominal (Min - Max)	kW	4,40 (1,50 - 4,80)	4,40 (1,50 - 4,80)	4,40 (1,50 - 4,80)	5,20 (1,90 - 7,20)	5,20 (1,90 - 7,20)	4,80 (1,50 - 5,00)	4,80 (1,50 - 4,90)	4,80 (1,50 - 5,00)
EER		W/W	3,38 A	3,38 A	3,38 A	3,80 A	3,80 A	3,22 A	3,22 A	3,22 A
Heating capacity	Nominal (Min - Max)	kW	4,80 (1,10 - 6,50)	4,80 (1,10 - 6,50)	4,80 (1,10 - 6,50)	6,80 (1,60 - 8,30)	6,80 (1,60 - 8,30)	5,20 (1,10 - 6,70)	5,20 (1,10 - 6,70)	5,20 (1,10 - 6,70)
COP		W/W	4,00 A	4,00 A	4,00 A	4,17 A	4,17 A	4,00 A	4,00 A	4,00 A
Indoor dimension	HxWxD	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197
Indoor net weight		kg	8	8	8	8	8	8	8	8

FEATURE COMPARISON


MODELS	WALL MOUNTED HEATCHARGE VZ INVERTER+ • R32 GAS	WALL MOUNTED ETHEREA INVERTER+ • R32 GAS	WALL MOUNTED TZ COMPACT STYLE • R32 GAS	WALL MOUNTED FZ TYPE STANDARD INVERTER • R32 GAS	WALL MOUNTED PZ TYPE STANDARD INVERTER • R32 GAS	WALL MOUNTED PROFESSIONAL INVERTER -20°C • R32 GAS	FLOOR CONSOLE TYPE INVERTER+ • R32 GAS	4 WAY 60x60 CASSETTE STANDARD INVERTER • R32 GAS
Econavi	✓ Sunlight Detection	✓						
Inverter+ system	✓	✓				✓	✓	
Inverter system			✓	✓	✓			✓
R2 Rotary Compressor	✓	✓	✓	✓	✓	✓	✓	✓
Refrigerant R32	✓	✓	✓	✓	✓	✓	✓	✓
nanoE™	✓	✓					✓ nanoE™ X	
PM2.5 Filter			✓	✓				
Antiallergy properties	✓	✓						
Super Quiet*	✓	✓ 19dB(A) for XZ/TZ0, XZ/TZ5 and XZ/TZ5	✓ 20dB(A) for TZ20, TZ25 and TZ35	✓ 20dB(A) for FZ25 and FZ35	✓ 20dB(A) for PZ25 and PZ35	✓ 21dB(A) for Z25 and Z35	✓ 20dB(A) for Z25 and Z35	✓ 22dB(A) for Z25
Mild Dry Cooling		✓						
Aerowings		✓	✓					
Down to -10°C in cooling only	✓	✓	✓	✓		✓ -20°C	✓	✓
Down to -15°C in heating mode	✓ -35°C	✓	✓	✓	✓	✓	✓	✓
Summer House	✓							
R22 renewal	✓	✓	✓	✓	✓			
R410A/R22 Renewal	✓	✓	✓	✓	✓	✓	✓	✓
Odour-removing function	✓	✓	✓	✓	✓	✓	✓	✓
Removable, washable panel	✓	✓	✓	✓	✓	✓	✓	
Powerful mode	✓	✓	✓	✓	✓	✓	✓	✓
Soft dry operation mode	✓	✓	✓	✓	✓	✓	✓	✓
Personal airflow creation	✓	✓	✓ For TZ50, TZ60 and TZ71					
Automatic vertical airflow control			✓ For TZ20, TZ25, TZ35 and TZ42	✓	✓		✓	✓
Manual horizontal airflow control			✓ For TZ20, TZ25, TZ35 and TZ42	✓	✓		✓	
AUTO mode (Inverter)	✓	✓	✓	✓	✓	✓	✓	✓
Simple Auto Changeover	✓	✓	✓	✓	✓			
Hot start mode	✓	✓	✓	✓	✓	✓	✓	✓
Real time clock with dual ON&OFF timer	✓	✓	✓	✓	✓		✓	✓
Real time clock with single ON&OFF timer			✓					
LCD Wireless remote controller	✓	✓	✓	✓	✓		✓	✓
Automatic restart	✓	✓	✓	✓	✓	✓	✓	✓
Long piping	✓ 15 m	✓ 15 m, 20 m (XZ/Z50)	✓ 15 m 20 m (TZ50), 30 m (TZ71)	✓ 15 m	✓ 15 m	✓ 15 m, 20 m (Z50)	✓ 15 m, 20 m (Z50)	✓ 20 m, 30 m (Z50 and Z60)
Top-Panel maintenance access	✓	✓	✓	✓	✓	✓	✓	✓
Self-diagnosis function	✓	✓	✓	✓	✓	✓	✓	✓
CZ-CAPRA1: RAC interface adapter for integration into P Link	✓	✓	✓	✓	✓	✓	✓	✓
Internet Control	✓	✓	✓	✓	✓	✓	✓	
Easy control by BMS	✓	✓	✓	✓	✓	✓	✓	✓
Warranty on the compressor	✓	✓	✓	✓	✓	✓	✓	✓


* At the lowest fan speed.


LOW STATIC PRESSURE HIDE AWAY STANDARD INVERTER • R32 GAS	WALL MOUNTED ETHEREA INVERTER+ • R410A GAS	WALL MOUNTED TE COMPACT STYLE • R410A GAS	WALL MOUNTED FE TYPE STANDARD INVERTER • R410A GAS	WALL MOUNTED BE TYPE STANDARD INVERTER • R410A GAS	WALL MOUNTED DE TYPE STANDARD INVERTER • R410A GAS	WALL MOUNTED PROFESSIONAL INVERTER -20°C • R410A GAS	FLOOR CONSOLE TYPE INVERTER+ • R410A GAS	4-WAY 60x60 CASSETTE STANDARD INVERTER • R410A GAS	LOW STATIC PRESSURE HIDE AWAY STANDARD INVERTER • R410A GAS
	✓								
	✓					✓	✓		
✓		✓						✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓									
	✓								
		✓	✓						
	✓								
	✓ 20dB(A) for XE/E7, XE/E9 and XE/E12	✓ 20dB(A) for TE20, TE25 and TE35	✓ 20dB(A) for FE25 and FE35	✓ 20dB(A) for BE25 and BE35	✓ 20dB(A) for DE25 and DE35	✓ 23dB(A) for E9	✓ 23dB(A) for E9	✓ 23dB(A) for E9 and E12	
	✓								
	✓	✓							
✓	✓	✓	✓			✓ -20°C		✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓ -10°C	✓ -10°C
	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓									
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓ For TE50 and TE60							
		✓ For TE20, TE25, TE35 and TE42					✓	✓	
		✓ For TE20, TE25, TE35 and TE42					✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓				
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓				
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓
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✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 20 m, 30 m (ZE50)	✓ 15 m, 20 m (XE/E18-21), 0 m (XE/E24-28)	✓ 15 m, 20 m (TE50), 30 m (TE71)	✓ 15 m	✓ 15 m	✓ 15 m	✓ 15 m, 20 m (E18)	✓ 15 m, 20 m (E18)	✓ 20 m, 30 m (E18-21)	✓ 20 m, 30 m (E18)
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FEATURES EXPLAINED


Energy saving

 **38%** Econavi. The sensor determines the human activity level and the position in the room and adjust the air flow orientation for maximum comfort and maximum savings, and detects changes in sunlight intensity and judges whether it is sunny or cloudy/night. It reduces unnecessary heating under more sunlight conditions.


 Inverter Plus System. This classification highlight the Panasonic highest performing systems.


 Inverter system. The Inverter range provides greater efficiency and comfort. Provides 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.


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


 Refrigerant R32. Our heat pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a components refrigerant, making it easy to recycle.


High performance and healthy air


 **99%** nanoe™. nanoe™ utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as certain types of bacteria, viruses and mould thus ensuring a cleaner living environment.


 PM2.5 Filter. 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.


 Antiallergy Properties. System is equipped with antiallergy properties filter.


 **18dB(A)** Super Quiet. Thanks to its latest generation compressor and its twin blade fan, our outdoor unit is one of the most silent on the market. The indoor unit emits an almost imperceptible 18 dB(A).


 Mild Dry Cooling. Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. Maintains an RH* up to 10% higher than cooling operation (*RH: Relative Humidity). Ideal when sleeping with the air conditioner on.


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


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


 **-15°C** 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.


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


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


 Odour-removing function. Allows the exchanger to be cleaned, preventing possible odours. While this function is connected, the fan also remains off momentarily to avoid unpleasant odours while the exchanger is being cleaned.

 Removable, washable panel. The front panel is easy to keep clean. It can be removed quickly in one single step and can be washed in water. A clean front panel ensures smoother, more efficient operation, which can save energy.


 Powerful Mode. The rapid and effective powerful mode is ideal for when you come home on the hottest or coldest days. It works at maximum power to reach the desired temperature in just 15 minutes.


 Soft Dry Operation Mode. The soft dry mode eliminates excess moisture with a soft breeze and provides a sense of wellbeing without much change in temperature.


 Personal Airflow Creation. Permits the air direction to be adjusted vertically and horizontally. This feature can be conveniently selected by remote controller.


 Automatic Vertical Airflow Control. The flap swings up and down automatically. The flow can also be set at a fixed angle with the remote controller.


 Manual Horizontal Airflow Control.

 Auto Mode (Inverter). Automatically changes from cooling to heating depending on the set temperature for the room.


 Simple Auto Changeover. When the difference between the measured temperature and the set temperature is 3°C or more, it automatically switches the current operation mode to heating or cooling mode necessary to keep the temperature at a constantly comfortable level.


 Hot Start Mode. At the start of heating cycle and after defrost cycle, the indoor fan will start up once the indoor heat exchanger is warm.


 Real time clock with dual ON/OFF timer. This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.


 Real time clock with single ON/OFF timer. The exact operating time (hour and minute) can be set in advance. From here on, the unit will operate in accordance to these preset hours every day until the system is reset.

 LCD Wireless Remote Controller.

 Automatic Restart. This function permits automatic restarting if safe mode operation has stopped for some unusual reason, such as after a power cut. As soon as the power is back, the unit restarts with the parameters selected before it stopped.


 Long Piping. Indicates the maximum length of pipe between the outdoor unit and the indoor unit(s). The distances permitted, demonstrate the installations possible.


 Top-Panel Maintenance Access. Maintenance of an outdoor unit used to be quite a tedious task. Now, with the possibility of removing the top cover, maintenance is quick and easy.


 Self-Diagnosis Function. With this function the unit carries out a process self-diagnosis when a particular function does not work correctly. This allows faster servicing.

High connectivity

 CZ-CAPRA1: CZ-CNT port integration to PACi and ECOi. Domestic integration to P-Line. Can connect ranges to P-Line. Full control is now possible.

 Internet Control. Internet Control is a next generation system providing 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.

 Easy control by BMS. 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.

 5 Years Warranty. Panasonic guarantees the compressors in the entire range for five years.

ACCESSORIES & CONTROL

Optional PCB's for additional functions



CZ-TACG1
NEW Panasonic Wifi kit for internet control.



CZ-CAPRA1
RAC interface adapter for integration into P Link.



PAW-AC-KNX-1i
KNX interface for TKE and UKE models.



PAW-AC-MBS-1
Modbus interface for TKE and UKE models.



PAW-AC-ENO-1i
EnOcean interface for TKE and UKE models.



PAW-AC-BAC-1
BacNet interface for TKE and UKE models.



PAW-AC-DIO
PCB for wall mounted with dry contacts, On/Off, Error message (all OKE and RKE wall mounted).



PAW-AC-HEAT-1
Heating only PCB for Etherea, 4 Way 60x60 Cassette and Hide Away.



PAW-SMSPCONTROL
Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card).

Individual Controls



CZ-RD514C
Wired remote controller for wall type.



CZ-RD52CP
Wired remote controller for Floor Console and Cassette.

Panels



CZ-BT20EW
NEW RAL9010 panel for 4 Way 60x60 Cassette.

Pipe reducer



CZ-MA1P
Is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".

CZ-MA2P
Is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".

CZ-MA3P
Is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".



FREE MULTI R32 COMBINATIONS TABLE

Free Multi 3x1 CU-3Z68TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,2kW • R32 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW) Rooms, EER, SEER†, Input power rating, A.E.C., Current, Heating capacity (kW) Rooms, COP, SCOP†, Input power rating, A.E.C., Current. Rows are categorized by 1 Room, 2 Rooms, and 3 Rooms.

FREE MULTI R32 COMBINATIONS TABLE

Free Multi 4x1 CU-4Z68TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,5kW • R32 GAS

Table with columns for Indoor unit capacity, Cooling capacity (kW) Rooms, EER, SEER¹, Input power rating, A.E.C. Current, Heating capacity (kW) Rooms, COP, SCOP¹, Input power rating, and A.E.C. Current. Includes a section for 4 Rooms configurations.

1) Energy Label Scale from A+++ to D.

MULTI WALL TZ COMBINATIONS TABLE

Multi Wall TZ 2x1 CU-2RE15SBE. Minimum capacity connected: 4,0kW. Maximum capacity connected: 5,7kW • R410 GAS

Indoor unit capacity	Cooling capacity (kW) Rooms			EER	SEER ¹	Input power rating	A.E.C.	Current	Heating capacity (kW) Rooms			COP	SCOP ¹	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)						W/W	W/W	kW					
1 Room																
20	2,00		2,00 [1,10 - 2,50]	3,64 A		0,55 [0,23 - 0,69]	275	2,60	3,20		3,20 [0,70 - 4,30]	3,40 B		0,94 [0,19 - 1,35]	470	4,15
25	2,50		2,50 [1,10 - 3,10]	3,52 A		0,71 [0,23 - 0,95]	355	3,35	3,60		3,60 [0,70 - 5,00]	3,21 C		1,12 [0,19 - 1,66]	560	4,95
35	3,20		3,20 [1,10 - 3,70]	3,27 A		0,98 [0,23 - 1,21]	490	4,60	4,50		4,50 [0,70 - 5,70]	3,24 C		1,39 [0,19 - 1,78]	695	6,15
2 Rooms																
20+20	2,00	2,00	4,00 [1,50 - 4,60]	3,42 A		1,17 [0,27 - 1,34]	585	5,45	2,40	2,40	4,80 [1,10 - 6,30]	4,00 A		1,20 [0,24 - 1,61]	600	5,35
20+25	1,95	2,45	4,40 [1,50 - 4,80]	3,38 A	6,50 A++	1,30 [0,27 - 1,52]	650	6,10	2,15	2,65	4,80 [1,10 - 6,50]	4,00 A	4,00 A++	1,20 [0,24 - 1,67]	600	5,35
20+35	1,70	2,70	4,40 [1,50 - 4,80]	3,38 A		1,30 [0,27 - 1,52]	650	6,10	1,85	2,95	4,80 [1,10 - 6,50]	4,00 A		1,20 [0,24 - 1,67]	600	5,35
25+25	2,20	2,20	4,40 [1,50 - 4,80]	3,38 A		1,30 [0,27 - 1,52]	650	6,10	2,40	2,40	4,80 [1,10 - 6,50]	4,00 A		1,20 [0,24 - 1,67]	600	5,35
25+35	1,95	2,45	4,40 [1,50 - 4,80]	3,38 A		1,30 [0,27 - 1,52]	650	6,10	2,15	2,65	4,80 [1,10 - 6,50]	4,00 A		1,20 [0,24 - 1,67]	600	5,35

Multi Wall TZ 2x1 CU-2RE18SBE. Minimum capacity connected: 4,0kW. Maximum capacity connected: 7,5kW • R410 GAS

Indoor unit capacity	Cooling capacity (kW) Rooms			EER	SEER ¹	Input power rating	A.E.C.	Current	Heating capacity (kW) Rooms			COP	SCOP ¹	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)						W/W	W/W	kW					
1 Room																
20	2,00		2,00 [1,10 - 2,50]	3,64 A		0,55 [0,23 - 0,69]	275	2,60	3,20		3,20 [0,70 - 4,30]	3,40 B		0,94 [0,19 - 1,35]	470	4,15
25	2,50		2,50 [1,10 - 3,10]	3,52 A		0,71 [0,23 - 0,95]	355	3,35	3,60		3,60 [0,70 - 5,00]	3,21 C		1,12 [0,19 - 1,66]	560	4,95
12	3,20		3,20 [1,10 - 3,70]	3,27 A		0,98 [0,23 - 1,21]	490	4,60	4,50		4,50 [0,70 - 5,70]	3,24 C		1,39 [0,19 - 1,78]	695	6,15
42	4,00		4,00 [1,10 - 4,20]	3,10 B		1,29 [0,23 - 1,42]	645	6,05	5,00		5,00 [1,10 - 6,40]	3,03 D		1,65 [0,24 - 2,18]	825	7,30
50	5,00		5,00 [1,20 - 5,10]	2,94 C		1,70 [0,24 - 1,82]	850	7,95	5,30		5,30 [1,10 - 6,80]	3,01 D		1,76 [0,24 - 2,29]	880	7,80
2 Rooms																
20+20	2,00	2,00	4,00 [1,50 - 4,60]	3,45 A		1,16 [0,27 - 1,34]	580	5,45	2,60	2,60	5,20 [1,10 - 6,30]	4,00 A		1,30 [0,24 - 1,61]	650	5,80
20+25	2,00	2,50	4,50 [1,50 - 4,80]	3,44 A		1,31 [0,27 - 1,51]	655	6,10	2,30	2,90	5,20 [1,10 - 6,30]	4,00 A		1,30 [0,24 - 1,61]	650	5,80
20+12	1,85	2,95	4,80 [1,50 - 4,90]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	2,00	3,20	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
20+42	1,60	3,20	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	1,75	3,45	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
20+50	1,35	3,45	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	1,50	3,70	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
25+25	2,40	2,40	4,80 [1,50 - 5,00]	3,22 A	6,50 A++	1,49 [0,27 - 1,58]	745	6,95	2,60	2,60	5,20 [1,10 - 6,70]	4,00 A	4,00 A++	1,30 [0,24 - 1,70]	650	5,75
25+12	2,10	2,70	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	2,30	2,90	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
25+42	1,85	2,95	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	2,00	3,20	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
25+50	1,60	3,20	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	1,75	3,45	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
12+12	2,40	2,40	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	2,60	2,60	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75
12+42	2,15	2,65	4,80 [1,50 - 5,00]	3,22 A		1,49 [0,27 - 1,58]	745	6,95	2,30	2,90	5,20 [1,10 - 6,70]	4,00 A		1,30 [0,24 - 1,70]	650	5,75

1) Energy Label Scale from A+++ to D. Showing SEER and Pdesign (kWh) / SCOP and Pdesign at -10°C (kWh). Using EN 14825. Other: A.E.C. using internal procedure (only for reference).
 * EER, COP, SEER, SCOP, Input power, Annual consumption is show following EU/626/2011/ only on the 100% capacity combination as requested by the EU Regulation.
 ** Data for not simultaneous operation.

FREE MULTI R410A COMBINATIONS TABLE

Free Multi 3x1 CU-3E18PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 9,0kW • R410 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW) Rooms, EER, SEER¹, Input power rating, A.E.C., Current, Heating capacity (kW) Rooms, COP, SCOP¹, Input power rating, A.E.C., Current. Rows are categorized by 1 Room, 2 Rooms, and 3 Rooms.

¹ Energy Label Scale from A+++ to D. Showing SEER and Pdesign (kWh) / SCOP and Pdesign at -10°C (kWh). Using EN 14825. Other: A.E.C. using internal procedure (only for reference). * EER, COP, SEER, SCOP, Input power, Annual consumption is show following EU626/2011/ only on the 100% capacity combination as requested by the EU Regulation. * Data for not simultaneous operation.

Free Multi 4x1 CU-4E23PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,0kW • R410 GAS

Table with 18 columns: Indoor unit capacity, Cooling capacity (kW) Rooms (A-D, Total), EER, SEER1, Input power rating, A.E.C. Current (W, kWh, 230V), Heating capacity (kW) Rooms (A-D, Total), COP, SCOP1, Input power rating, A.E.C. Current (W, kWh, 230V). Rows represent various unit configurations like 16+16+16+35, 16+16+16+42, etc.

1) Energy Label Scale from A+++ to D. Showing SEER and Pdesign (kWh) / SCOP and Pdesign at -10°C (kWh). * EER, COP, SEER, SCOP, Input Power, Annual consumption is show following EU/626/2011/ only on the 100% capacity combination as requested by the EU Regulation. * Data for not simultaneous operation.

Free Multi 4x1 CU-4E27PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 13,6 kW • R410 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW) Rooms (A, B, C, D, Total), EER, SEER, Input power rating (W, kWh, 230V), A.E.C. Current (230V), Heating capacity (kW) Rooms (A, B, C, D, Total), COP, SCOP, Input power rating (W, kWh, 230V), A.E.C. Current (230V). Rows include various room configurations from 20+35+71 down to 16+25+35+50.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 4°C WB. (DB: Dry Bulb; WB: Wet Bulb) Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

FREE MULTI R410A COMBINATIONS TABLE

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 17,5kW • R410 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW), Rooms, EER, Input power rating, A.E.C., Current, Heating capacity (kW), Rooms, COP, Input power rating, A.E.C., Current. Rows include various unit configurations and room counts (4 Rooms).

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 17,5kW • R410 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW), Rooms, EER, Input power rating, A.E.C. Current, Heating capacity (kW), Rooms, COP, Input power rating, A.E.C. Current. Rows list various indoor unit configurations and their corresponding performance metrics.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 4°C WB. (DB: Dry Bulb; WB: Wet Bulb) Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

FREE MULTI R410A COMBINATIONS TABLE

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 17,5kW • R410 GAS

Table with columns for Indoor unit capacity, Cooling capacity (kW), Rooms, EER, Input power rating, A.E.C., Current, Heating capacity (kW), Rooms, COP, Input power rating, A.E.C., Current. The table lists various combinations of indoor units and their corresponding performance metrics.

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 17,5kW • R410 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW), Rooms, EER, Input power rating, A.E.C. Current, Heating capacity (kW), Rooms, COP, Input power rating, A.E.C. Current. Rows list various indoor unit configurations and their corresponding performance metrics.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 4°C WB. (DB: Dry Bulb; WB: Wet Bulb) Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 17,5kW • R410 GAS

Table with columns: Indoor unit capacity, Cooling capacity (kW). Rooms, EER, Input power rating, A.E.C. Current, Heating capacity (kW). Rooms, COP, Input power rating, A.E.C. Current. Rows list various capacity combinations like 20+20+25+35+35, 20+20+25+35+42, etc.

1) Energy Label Scale from A+++ to D. Showing SEER and Pdesign (kWh) / SCOP and Pdesign at -10°C (kWh). Using EN 14825. Other: A.E.C. using internal procedure (only for reference). * EER, COP, SEER, SCOP, Input power, Annual consumption is show following EU/626/2011 only on the 100% capacity combination as requested by the EU Regulation. * Data for not simultaneous operation.