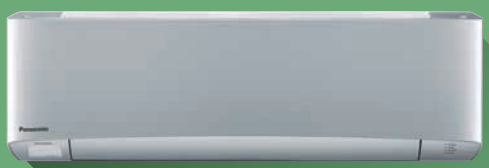
Panasonic

ETHEREA

NEW DOMESTIC RANGE 2018 — 2019

MORE EFFICIENCY, MORE SAVINGS



heating & cooling solutions

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

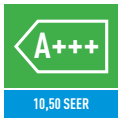
Panasonic has developed a range of products designed for you, better than ever before.
With its innovative design, high efficiency and advanced purification system, the Etherea range has been designed with your clients in mind.

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

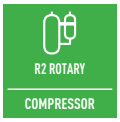
Intelligent Human Activity Sensor and Sunlight Sensor technologies that can detect and reduce waste of energy by optimising air conditioner according to room conditions. With just one touch of a button, you can save energy.



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

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

Inverter Plus System classification highlight the Panasonic highest performing systems



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

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

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.

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.

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

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

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

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

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

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

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

High connectivity

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

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.

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

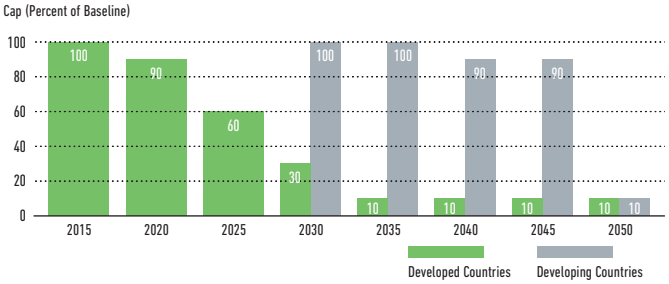
A 'small' change that changes everything

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.



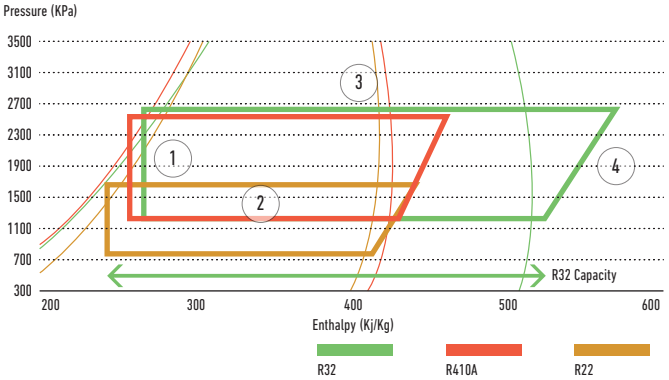
* By replacing R22 with R32 we are significantly reducing the ozone depletion potential of our air conditioners.
The use of air conditioning is rapidly increasing in developing countries thus making it increasingly necessary to use refrigerants with low global warming potential.

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



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

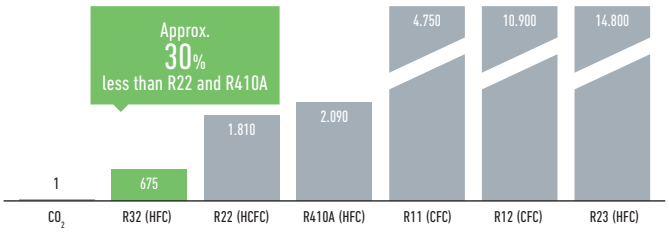
2. Environmental innovation.

· 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.

100 Year global warming potential of different refrigerants.

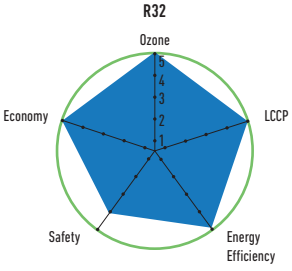


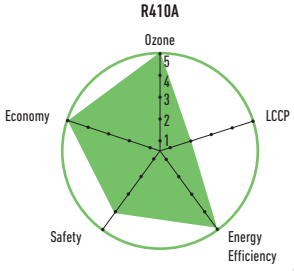
IPCC Fourth Assessment Report. Values for 100 years warming potential.

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.





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 Etherea 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.

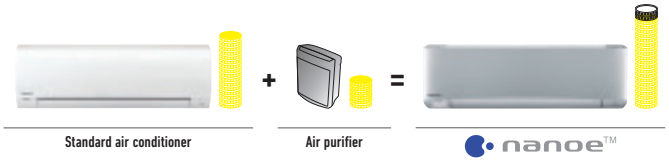
ETHEREA

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 matt silver and matt 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.

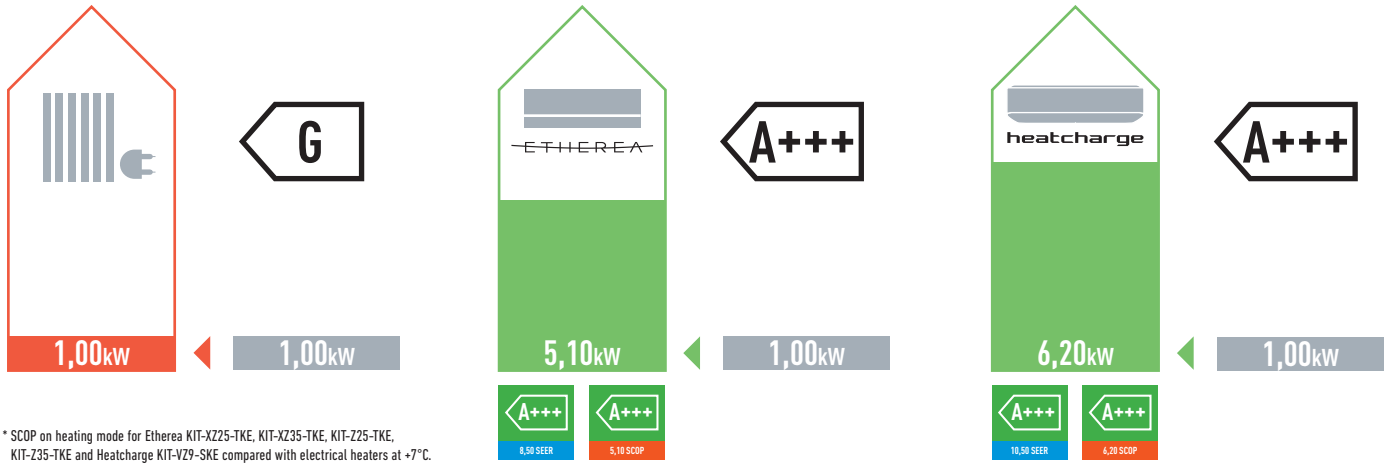
Get the best for your health with Etherea and nanoe™.
Using nanoe™ with nano-technology, nano-sized electrostatic atomised water particles purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as certain types of bacteria, viruses and mould thus ensuring a cleaner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



Etherea and Heatcharge performance: highest energy class

Etherea and Heatcharge. Economical, environment-friendly operation high SCOP (Seasonal Coefficiency 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

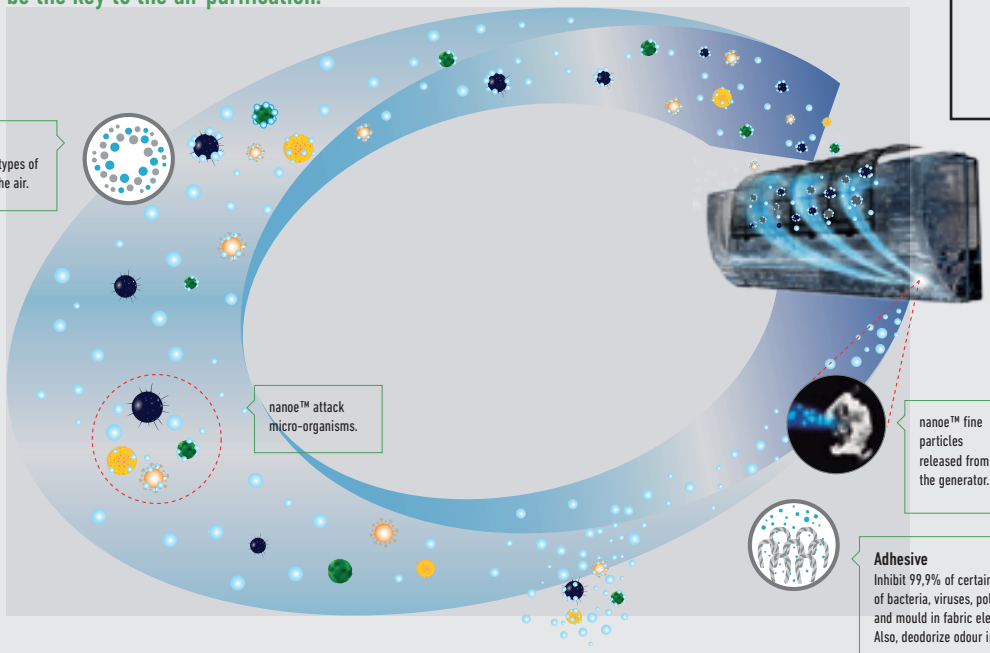


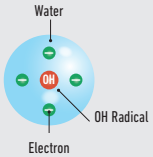
* SCOP on heating mode for Etherea KIT-XZ25-TKE, KIT-XZ35-TKE, KIT-Z25-TKE, KIT-Z35-TKE and Heatcharge KIT-VZ9-SKE compared with electrical heaters at +7°C.

NANO-SIZED ELECTROSTATIC ATOMIZED WATER PARTICLES, NANOE™, 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





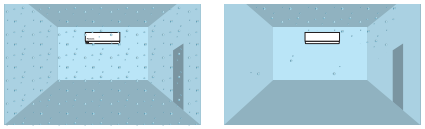
nanoe™ is nano-sized electrostatic atomized water particles with plentiful OH radicals.
Its effectiveness of bacteria inhibition depends on the number of OH radical, which is generated at the rate of 480 billion per second.

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

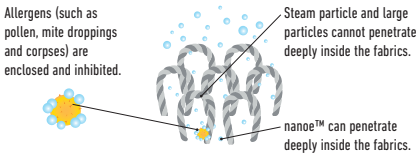


nanoe™
nanoe™ spreads to every corner.

General negative ion
Ions decay before spreading throughout the room.

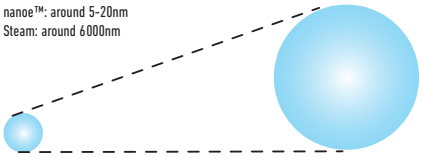
2. Water-originated. nanoe™ comes from condensed moisture in the air so that water replenishment for nanoe™ generation is not required.

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



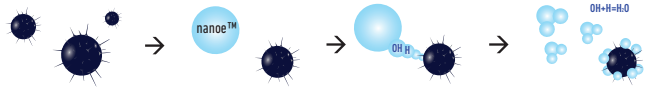
3. Microscopic Scale. With the size of one-billionth of a meter, nanoe™ is much smaller than steam. It can deeply penetrate into cloth fabrics to deodorize.

* 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.



Virus / bacteria / Pollen is suspended in indoor air.

nanoe™ approach and capture those objects.

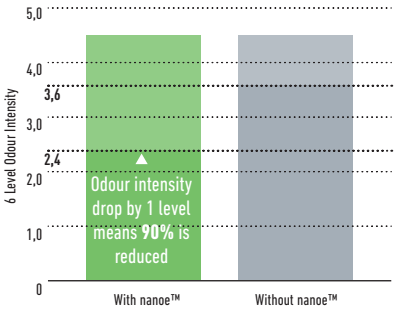
nanoe™ metamorphose structure of Virus / Bacteria / Pollen. (Remove hydrogen.)

Completion inhibition.

The effectiveness of nanoe™

	Tested contents	Result (deactivate)	Testing condition		Tested laboratory / company	Report doc No.
			Size	Time		
Airborne	Virus (Coliphage)	99,7%	10m²	6h	Kitasato research center for Environmental science	KRCES 24_0300_1
	Bacteria (Staphylococcus aureus)	99,7%	10m²	4h	Kitasato research center for Environmental science	KRCES 24_0301_1
Adhesive	Virus (Coliphage)	99,8%	10m²	8h	Japan food research laboratories	13001265005-01
	Virus (Influenza)	99,9%	1m²	2h	Kitasato research center for Environmental science	KRCES 21_0084_1
	Bacteria (Staphylococcus aureus)	99,1%	10m²	8h	Japan food research laboratories	13044083003-01
	Tobacco odour	Deodorized in 2h	10m²	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.



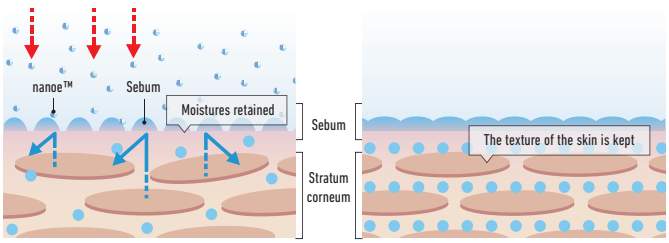
Deodorization Effect for Adhering Odour (Tobacco)

Odour intensity 1,2 level down.

The deodorization effect will vary subject to the surrounding environment (temperature / humidity), operation time, types of smell and clothes.

· 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.

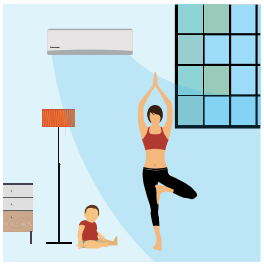
ECONAVI INTELLIGENT SENSORS.
DISCOVER HOW TO ACHIEVE ENERGY SAVINGS

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.

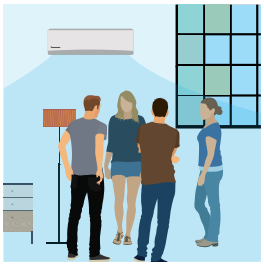
5 Features saving energy all at once: Econavi with intelligent eco sensors

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.

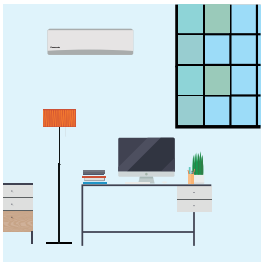
Temperature Wave
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.



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.

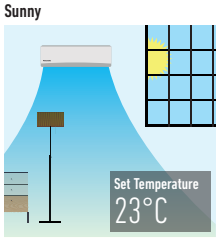
Econavi sunlight sensor

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.

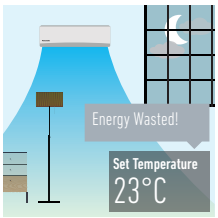
Sunlight detection (on cooling mode)

Sunny



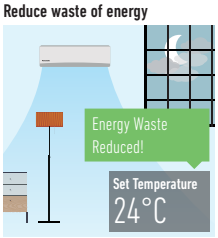
Econavi is switched on when it is sunny.

Detect



Econavi detects less cooling power is required.

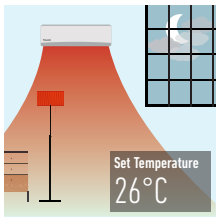
Reduce waste of energy



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

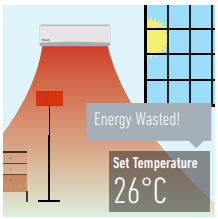
Sunlight detection (on heating mode)

Cloudy/Night



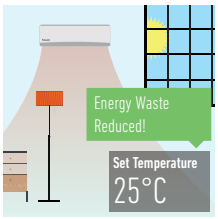
Econavi is switched on when it is cloudy/night.

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.

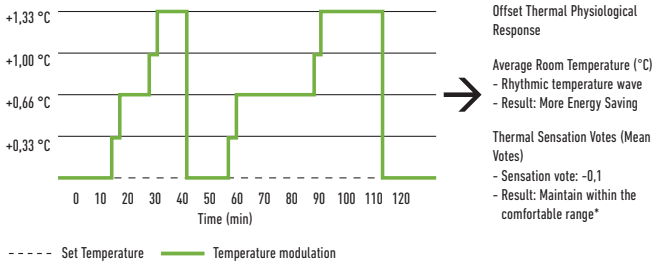
Temperature wave

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

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 accomodates 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 home-owners 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.

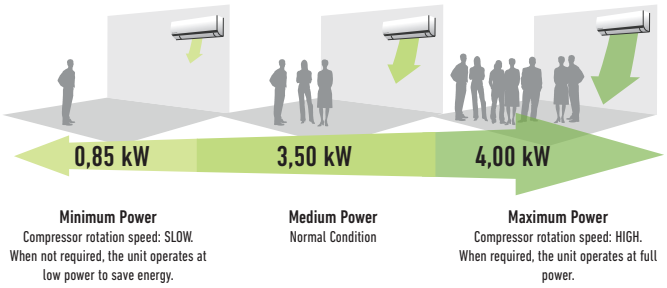
Central air conditioning delivered with a Panasonic R2 Rotary Compressor ensures a superior level of comfort at an economical cost.

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.

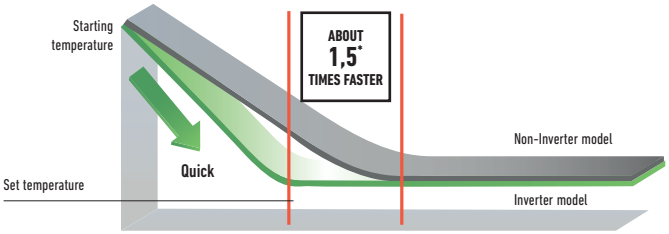
Constant Comfort.
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.



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.

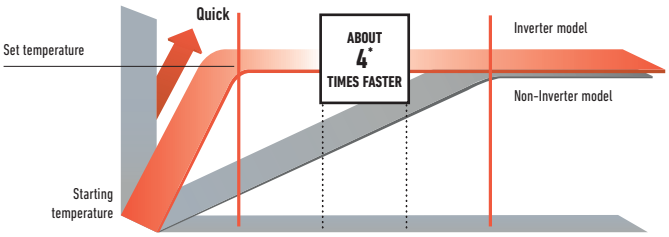
Quick Comfort.
Panasonic Inverter air conditioners can operate with higher power during the start up period to cool the room 1,5 times faster and heat the room 4 times faster than non-Inverter models.

Comparison of Cooling Speed



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

Comparison of Heating Speed



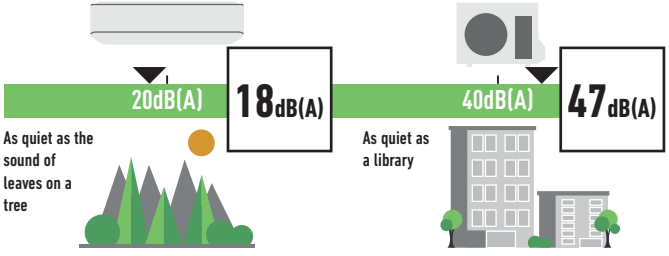
* Comparison of 1,0HP Inverter and Non-Inverter. Outside room temperature: 2˚C ; Setting temperature: 25˚C

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.

Quiet Mode reduces operation noise to a quiet 18dB(A)* for a comfortable night's sleep.

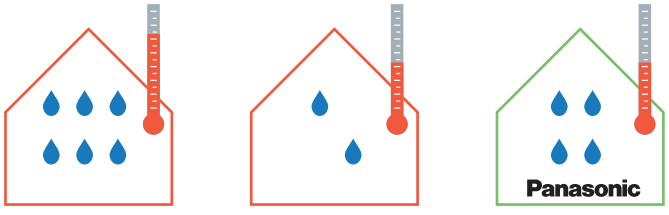
Noise is 5dB(A) quieter than during regular operation.



Heatcharge: In the Quiet Mode during cooling operation with low fan speed.

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.



Lowers room temperature while maintaining high humidity.

WALL MOUNTED TZ/TE
COMPACT STYLE

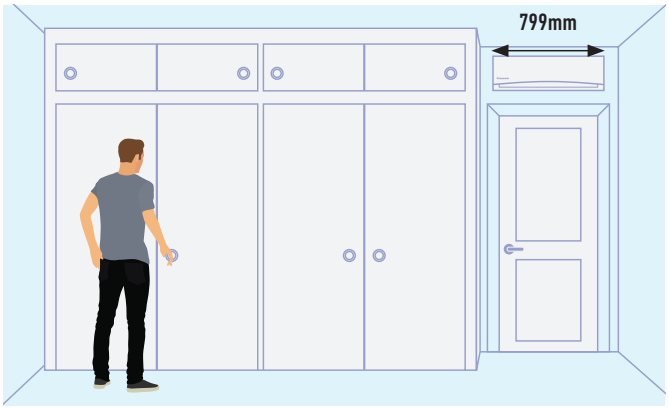
TZ/TE compact indoor size.

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

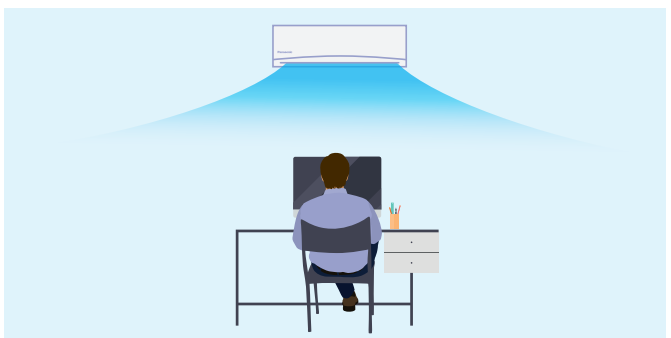
PM2,5 Filter. Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. This filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen. It is able maintain clean the air of the room by deodorization too.

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.

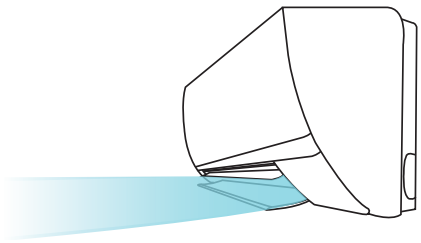


Comfort that goes on and on with Shower Cooling.

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.

HEATCHARGE. ENERGY CHARGE SYSTEM

heatcharge

Heating power and efficiency

- Energy Charge System. Heat storage unit which features Non-Stop heating and fast heating function
- Higher efficiency and comfort with Econavi sunlight detection and human activity detection
- nanoe™ air purifying system
- More powerful airflow to quickly reach the desired temperature

Panasonic's full line-up of A+++ heat pumps.

In response to the Kyoto Protocol, the European Union set some challenging targets for the reduction in greenhouse-gas emissions. By the year 2020, across the member states, the EU wants to have achieved the following objectives:

- A 20% cut in greenhouse gas emissions (from 1990 base levels)
- The share of renewables in the energy mix to increase by 20%
- An overall reduction of 20% in energy consumption

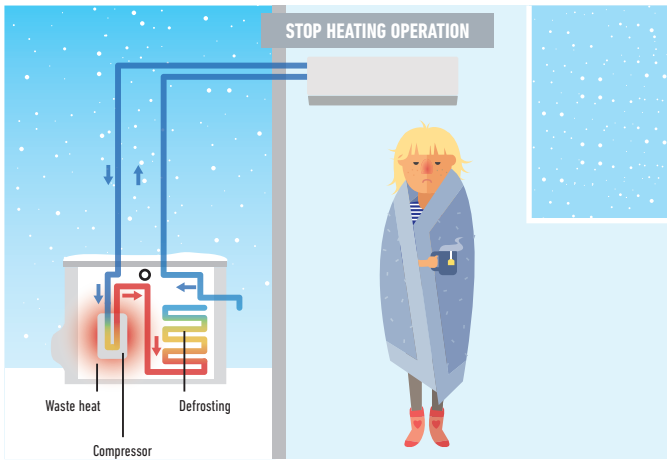
Powerful, reliable heating even at low ambient winter temperatures

When the air conditioner is operating, the compressor, which is the power source of the unit, generates heat. Until now, this heat was released into the atmosphere. Panasonic focused on this waste heat!
Heatcharge is a unique, innovative Panasonic technology that stores this waste heat in the compressor and effectively uses it as heating energy. This lets you enjoy a new level of air conditioner heating power and efficiency.

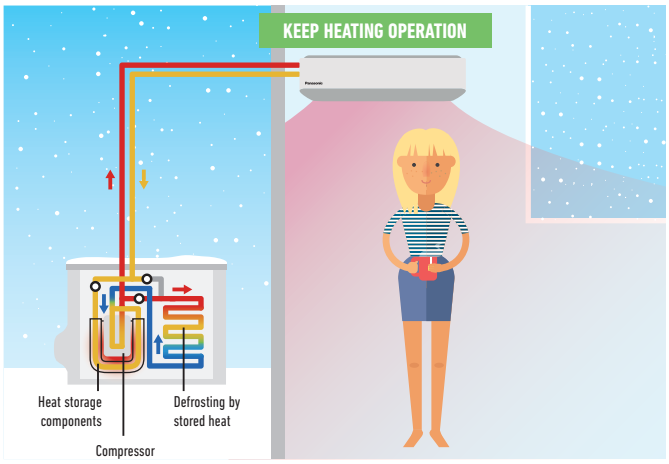
Constant heating.

Using stored heat provides stable heating with less drop in temperature. Even when heating operation stops during defrost operation, stored heat continues to constantly warm the room. This eliminates the previous discomfort due to the temperature dropping when heating temporarily stops to ensure stable air conditioner heating.

Conventional. The room gradually becomes cold.
Defrost operation: About 11 to 15 min. Fall in room temperature: About 5 to 6 °C

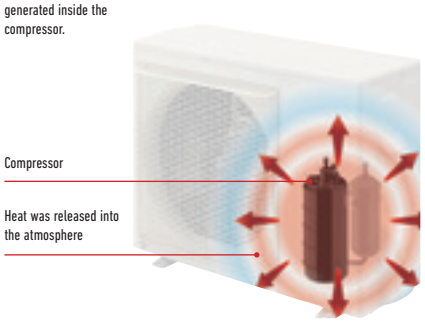


Heatcharge. The room is thoroughly warmed.
Defrost operation: About 5 to 6 min. Fall in room temperature: About 1 to 2 °C



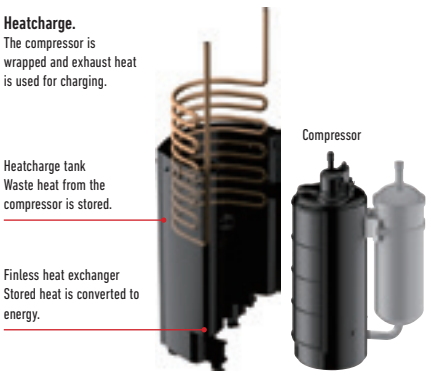
* Defrost operation time and how low room temperature falls differ depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* Output air temperature falls during defrost operation. How low room temperature falls differs depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* In environments where a lot of frost accumulates, heating may stop during defrost operation.

Conventional.
During operation, heat is generated inside the compressor.



Heatcharge.
Heat generated by the compressor is stored inside and used to warm the refrigerant to efficiently increase heating power.

Heatcharge.
The compressor is wrapped and exhaust heat is used for charging.



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

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)

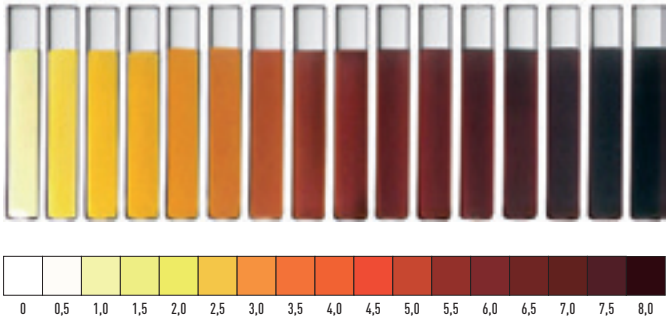
2. Conditions.

· 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.

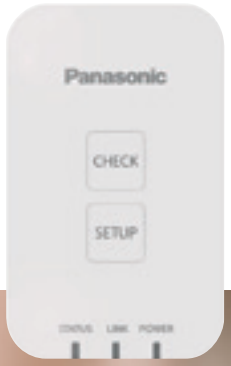
3. Applicable Model.

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	1/4 (6,35)		
		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

NEW 18

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, Portguese, Slovenian, Spanish, Swedish and Turkish.

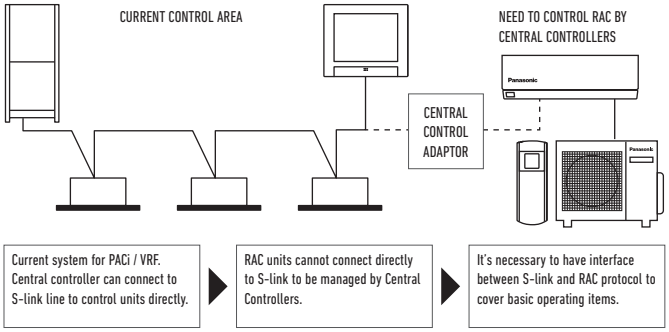
Panasonic offers its customers cutting-edge technology, specially designed to ensure our air conditioning systems deliver even higher performance. You can properly manage the air conditioning and perform comprehensive monitoring and control, with all of the features the remote controller provides at 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 Relay[1]: 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

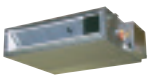
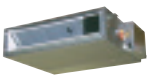
Easy connectivity

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.

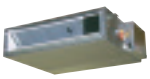
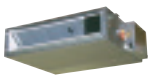


Model name	Interface
CZ-TACG1	NEW Panasonic Wifi kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P Link
PAW-IR-WIFI-1	Interface by Infra red sensor, only ON/OFF and temperature setting
PAW-AC-ENO-1i	EnOcean interface for TKE and UKE models
PAW-AC-KNX-1i	KNX interface for 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 QKE 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. 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

Splits 1x1 | R32

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-Z42-TKEA	 KIT-Z50-TKEA		 KIT-Z71-TKEA
	 KIT-Z50-UFE		
	 KIT-Z50-UB4	 KIT-Z60-UB4	
	 KIT-Z50-UD3	 KIT-Z60-UD3	

R32 | Splits 1x1

WALL MOUNTED HEATCHARGE VZ INVERTER+ • R32 GAS

heatcharge

The Heatcharge from Panasonic has the capacity to store heat on the outdoor unit which allows heating to start quickly just after turning on the heat pump. It also ensures maximum comfort and heat in the house even during defrost operation as Heat charge also stores heat to prevent cool air during defrost.
Econavi builds-in a Sunlight Detection technology to adjust output ideally thereby giving you the best comfort at anytime whilst saving energy.
Furthermore, the nanoe™ 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

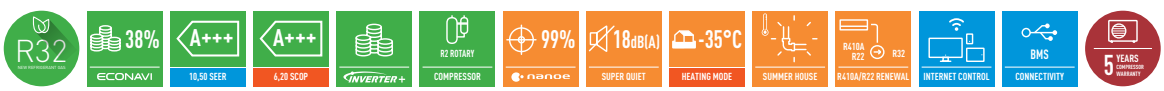
- R32 gas is more environmentally friendly than R410A
- Performance tested at -35°C Outdoor temperature
- Energy Charge System. Heat storage unit which realizes NON-STOP heating and fast heating function
- Econavi sensor: Even higher efficiency and great comfort
- nanoe™ air purifying system, 99% effective to certain airborne and adhesives mould, viruses, bacteria and pollen allergen
- Super Quiet! Only 18dB(A), equivalent to night-time in the country
- More powerful airflow to quickly reach the desired temperature

Kit			**KIT-VZ9-SKE**	**KIT-VZ12-SKE**
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,60 - 3,00)	3,50 (0,60 - 4,00)
SEER [1]		**W/W**	**10,50** A+++	**10,00** A+++
Pdesign (cooling)		kW	2,5	3,5
Input power cooling	Nominal (Min - Max)	kW	0,43 (0,14 - 0,61)	0,80 (0,14 - 0,98)
Annual energy consumption [3]		kWh/a	83	122
Heating capacity	Nominal (Min - Max)	kW	3,60 (0,60 - 7,80)	4,20 (0,60 - 9,20)
COP [2]		W/W	5,63 A	5,04 A
Heating capacity at -7°C		kW	5,00	5,60
COP at -7°C [2]		W/W	2,07	2,00
SCOP [1]		**W/W**	**6,20** A+++	**5,90** A+++
Pdesign at -10°C		kW	3,6	4,2
Input power heating	Nominal (Min - Max)	kW	0,64 (0,14 - 2,72)	0,83 (0,14 - 3,16)
Annual energy consumption [3]		kWh/a	812	995
Indoor unit			**CS-VZ9SKE**	**CS-VZ12SKE**
Power source		V	230	230
Recommended fuse		A	16	16
Connection		mm^2	4 x 1,5	4 x 1,5
Air volume	Cool / Heat (Hi)	m^3/min	12,5 / 15,5	12,9 / 15,9
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	44 / 27 / 18	45 / 33 / 18
	Heat (Hi / Lo / Q-Lo)	dB(A)	44 / 26 / 18	45 / 29 / 18
Dimension	H x W x D	mm	295 x 798 x 375	295 x 798 x 375
Net weight		kg	14,5	14,5
Outdoor unit			**CU-VZ9SKE**	**CU-VZ12SKE**
Air volume	Cool / Heat (Hi)	m^3/min	33,1 / 33,1	35,4 / 33,9
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	49 / 49	50 / 50
Dimension [5]	H x W x D	mm	630 x 799 x 299	630 x 799 x 299
Net weight		kg	39,5	39,5
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 ~ 15	3 ~ 15
Elevation difference (in/out) [6]		m	12	12
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	20	20
Refrigerant (R32)		kg / TCO_2 Eq.	1,05 / 0,70875	1,10 / 0,7425
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-30 ~ +24	-30 ~ +24

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

Accessories	
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

1) Energy Label Scale from A+++ to D. 2) EER and COP calculation is based in accordance to EN14511. 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 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-VZ9-SKE. -35°C HEATING MODE: Heating performance tested at -35°C by SP, European third party laboratory. INTERNET CONTROL: Optional.

Splits 1x1 | R32

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

ETHEREA

Etherea with enhanced Econavi sensor and nanoe™ 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 nanoe™ 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
- nanoe™ air purifying system, 99% effective to certain airborne and adhesives moul, 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)

Wall Mounted Etherea Silver

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.

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.

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
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	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.

Splits 1x1 | R32

NEW WALL MOUNTED FZ TYPE STANDARD INVERTER

- R32 GAS

New FZ series inverter powerful and efficient

Technical focus

- R32 gas is more environmentally friendly than R410A
- PM2,5 Filter to create clean and comfort indoor quality
- Super Quiet! Only 20dB(A)
- High energy savings
- Cooling even at -10°C
- This units can be installed on R22 pipings
- Long connection distance
- Wired control (Optional)
- Smartphone control (Optional)

Kit			KIT-FZ25-UKE	KIT-FZ35-UKE	KIT-FZ50-UKE	KIT-FZ60-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)	6,25 (0,98 - 7,10)
EER [1]	Nominal (Min - Max)	W/W	3,68 (3,40 - 3,33) A	3,18 (3,33 - 3,05) B	3,03 (3,44 - 2,90) B	3,24 (3,50 - 2,96) A
SEER [2]		**W/W**	**6,20** A++	**6,10** A++	**6,50** A++	**6,20** A++
Pdesign (cooling)		kW	2,5	3,4	5,0	6,3
Input power cooling	Nominal (Min - Max)	kW	0,68 (0,25 - 0,90)	1,07 (0,26 - 1,28)	1,65 (0,29 - 1,86)	1,93 (0,28 - 2,40)
Annual energy consumption [3]		kWh/a	141	195	269	356
Heating capacity	Nominal (Min - Max)	kW	3,15 (0,80 - 3,60)	3,84 (0,80 - 4,40)	5,40 (0,98 - 7,50)	6,80 (0,98 - 8,50)
Heating capacity at -7°C		kW	2,14	2,60	4,58	5,24
COP [1]	Nominal (Min - Max)	W/W	4,04 (4,10 - 3,46) A	3,66 (4,10 - 3,41) A	3,42 (2,80 - 3,06) B	3,51 (2,88 - 3,11) B
SCOP [2]		**W/W**	**4,10** A+	**4,10** A+	**3,90** A	**3,90** A
Pdesign at -10°C		kW	1,9	2,4	4,0	4,6
Input power heating	Nominal (Min - Max)	kW	0,78 (0,20 - 1,04)	1,05 (0,20 - 1,29)	1,58 (0,35 - 2,45)	1,94 (0,34 - 2,73)
Annual energy consumption [3]		kWh/a	649	820	1436	1651
Indoor unit			**CS-FZ25UKE**	**CS-FZ35UKE**	**CS-FZ50UKE**	**CS-FZ60UKE**
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	—
Connection indoor / outdoor		mm^2	4 x 1,5	4 x 1,5	4 x 2,5	—
Air volume	Cool / Heat	m^3/min	10,3 / 11,0	10,7 / 11,2	11,6 / 12,5	17,2 / 18,7
Moisture removal volume		L/h	1,5	2,0	2,8	3,5
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	37 / 26 / 20	38 / 30 / 20	44 / 37 / 34	45 / 37 / 34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37 / 27 / 24	38 / 33 / 25	44 / 37 / 34	45 / 37 / 34
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214	290 x 1070 x 240
Net weight		kg	8	8	9	12
Outdoor unit			**CU-FZ25UKE**	**CU-FZ35UKE**	**CU-FZ50UKE**	**CU-FZ60UKE**
Air volume	Cool / Heat	m^3/min	30,5 / 30,5	31,1 / 31,1	32,7 / 32,7	42,6 / 41,5
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	48 / 49	48 / 50	48 / 49	49 / 49
Dimension [5]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320
Net weight		kg	26	27	38	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 ~ 15	3 ~ 15	3 ~ 15	3 ~ 30
Elevation difference (in/out) [6]		m	15	15	15	15
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.	0,58 / 0,392	0,67 / 0,452	1,14 / 0,770	1,15 / 0,776
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-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-FZ50-UKE. SUPER QUIET: For KIT-FZ25-UKE and KIT-FZ35-UKE. INTERNET CONTROL: Optional.

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.

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

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.

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.

NEW FLOOR CONSOLE TYPE INVERTER+
• R32 GAS

nanoe™X

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

Splits 1x1 | R32

NEW 18

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

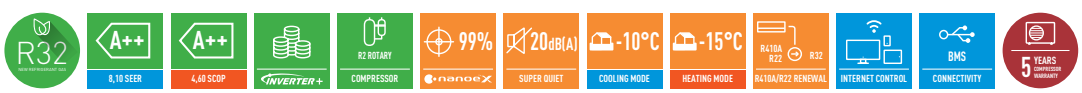
- **NEW!** New design
- R32 gas is more environmentally friendly than R410A
- A breakthrough design that combines perfectly with the most modern environments. We have selected the best materials and processes for a refined design
- nanoe™ X with nano-technology, nano-sized electrostatic atomised water 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
SEER [2]		**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
SCOP [2]		**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	m^3/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	H x W x D	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		mm^2	—	—	—
Air volume	Cool / Heat	m^3/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]	H x W x D	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

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.

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.

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**	**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**	**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 (H x W x D)	Indoor	mm	260 x 575 x 575	260 x 575 x 575	260 x 575 x 575	260 x 575 x 575
	Panel	mm	51 x 700 x 700	51 x 700 x 700	51 x 700 x 700	51 x 700 x 700
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]	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) [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

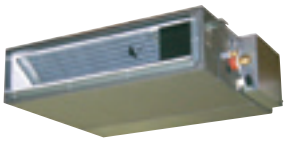
Accessories	
CZ-RD52CP	Wired remote controller for Floor Console and Cassette

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.

Splits 1x1 | R32

NEW LOW STATIC PRESSURE HIDE AWAY INVERTER • R32 GAS



NEW 18

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

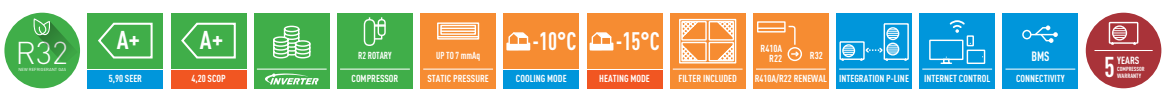
- R32 gas is more environmentally friendly than R410A
- Duct type can be controlled by KNX, EnOcean and Modbus
- Eco mode for 20% energy saving
- Extremely compact indoor units without losing static pressure (only 200mm high)
- Weekly timer, 42 settings per week
- Easy check mode for failure detection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

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.

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.

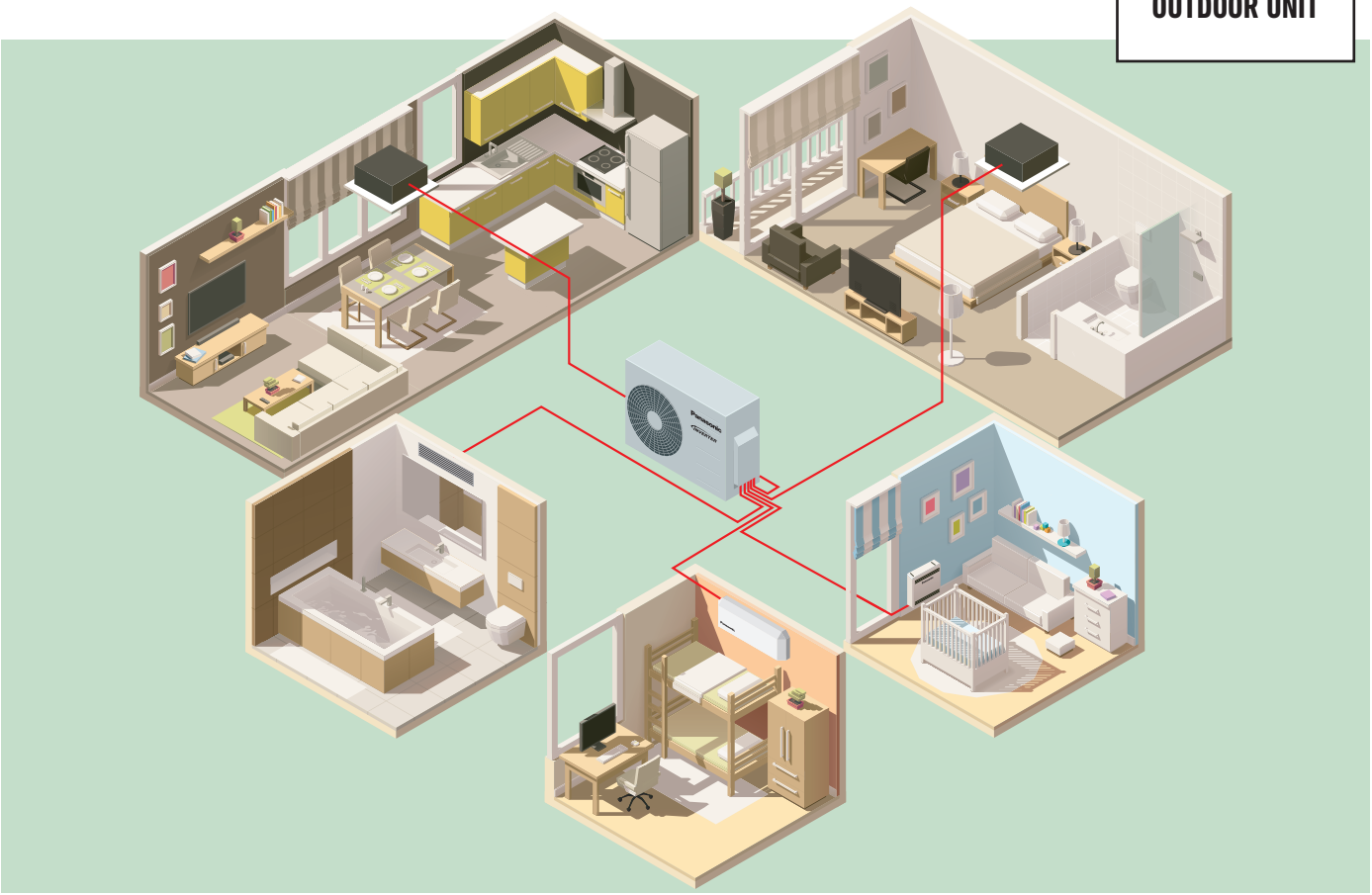
Free Multi Z, TZ
Full flexibility up to 9,0kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++ / A++

					Indoor units				
Line up	**Refrigerant**	**Capacities**	**Indoor unit ports**	**Efficiency up to**	**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 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



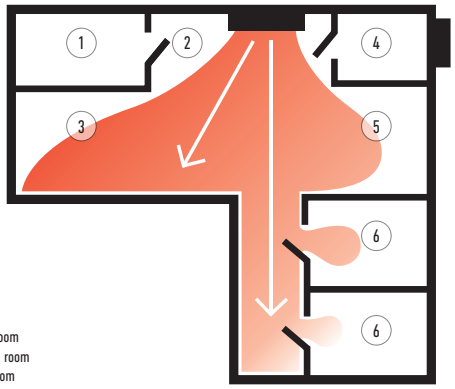
Why a Multi Split is better than several separate split units

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.

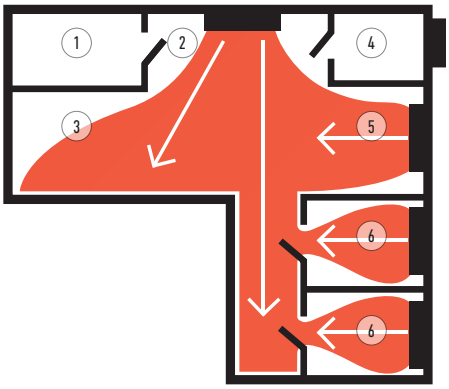
One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.



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.



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

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

CU-4Z80TBE / CU-5Z90TBE

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 ~ 60	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]	✔ ✔ ✔ ✔[1]	✔ ✔ ✔ ✔[1]
CU-3Z52TBE // 4,5 - 9,5kW // 3 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔		✔ ✔ ✔ ✔[1]	✔ ✔ ✔ ✔[1]
CU-3Z68TBE // 4,5 - 11,2kW // 3 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]
CU-4Z68TBE // 4,5 - 11,5kW // 4 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]
CU-4Z80TBE // 4,5 - 14,7kW // 4 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔[1] ✔[1]		✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔[1] ✔[1]
CU-5Z90TBE // 4,5 - 18,3kW // 5 Rooms	✔ ✔ ✔ ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔[1] ✔[1] ✔[1]	✔ ✔ ✔ ✔ ✔ ✔ ✔[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. * Compatible only with 2 ports Outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE.

Outdoor Multi combination 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	CZ-MA1P
CS-TZ60TKEW / CS-Z60UB4EAW / CS-Z60UD3EAW	CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P
CS-Z71TKEW / CS-TZ71TKEW	CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P / CZ-MA3P

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	Heating capacity	Connection	Sound pressure[1]	Dimension / Net weight	Piping connections
						Cool — Heat (Hi / Lo / S-Lo)	H x W x D	Liquid / Gas pipe
			kW / kCal/h	kW / kCal/h	mm	dB(A)	mm / kg	Inch (mm)
1,6kW	—	CS-MZ16TKE	1,60 / 1380	2,60 / 2240	4 x 1,5	38 / 26 / 21 — 39 / 27 / 21	295 x 919 x 194 / 9	1/4 (6,35) / 3/8 (9,52)
2,0kW	CS-XZ20TKEW	CS-Z20TKEW	2,00 / 1720	3,20 / 2750	4 x 1,5	39 / 26 / 21 — 40 / 27 / 21	295 x 919 x 194 / 9	1/4 (6,35) / 3/8 (9,52)
2,5kW	CS-XZ25TKEW	CS-Z25TKEW	2,50 / 2150	3,60 / 3100	4 x 1,5	41 / 27 / 21 — 43 / 29 / 21	295 x 919 x 194 / 10	1/4 (6,35) / 3/8 (9,52)
3,5kW	CS-XZ35TKEW	CS-Z35TKEW	3,20 / 2750	4,50 / 3870	4 x 1,5	44 / 30 / 21 — 45 / 35 / 21	295 x 919 x 194 / 10	1/4 (6,35) / 3/8 (9,52)
4,2kW	—	CS-Z42TKEW	4,00 / 3440	5,60 / 4820	4 x 1,5	44 / 33 / 27 — 45 / 37 / 31	295 x 919 x 194 / 10	1/4 (6,35) / 1/2 (12,70)
5,0kW	CS-XZ50TKEW	CS-Z50TKEW	5,00 / 4300	6,80 / 5850	4 x 1,5	44 / 39 / 32 — 46 / 39 / 32	302 x 1120 x 236 / 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	302 x 1120 x 236 / 13	1/4 (6,35) / 5/8 (15,88)

INTERNET CONTROL: Optional.

Wall Mounted TZ Compact Style	Indoor unit	Cooling capacity	Heating capacity	Connection	Sound pressure[1]	Dimension / Net weight	Piping connections
					Cool — Heat (Hi / Lo / S-Lo)	H x W x D	Liquid / Gas pipe
		kW / kCal/h	kW / kCal/h	mm	dB(A)	mm / kg	Inch (mm)
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[2]	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)
6,0kW	CS-TZ60TKEW	6,00 / 5160	8,50 / 7310	4 x 1,5	44 / 39 / 36 — 47 / 39 / 36	302 x 1102 x 244 / 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	302 x 1102 x 244 / 13	1/4 (6,35) / 5/8 (15,88)

NEW 18

SUPER QUIET: For CS-Z25UFEAW and CS-Z35UFEAW. INTERNET CONTROL: Optional.

NEW Floor Console[3] *	Indoor	Cooling capacity	Heating capacity	Connection	Sound pressure[1]	Dimension / Net weight	Piping connections
					Cool — Heat (Hi / Lo / S-Lo)	H x W x D	Liquid / Gas pipe
		kW / kCal/h	kW / kCal/h	mm	dB(A)	mm / kg	Inch (mm)
2,0kW	CS-MZ20UFEA	2,00 / 1720	3,20 / 2750	4 x 1,5	—	600 x 750 x 207 / 13	—
2,8kW	CS-Z25UFEAW	2,80 / 2410	3,60 / 3100	4 x 1,5	38 / 25 / 20 — 38 / 25 / 19	600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)
3,5kW[2]	CS-Z35UFEAW	3,50 / 3010	4,50 / 3870	4 x 1,5	39 / 26 / 20 — 39 / 26 / 19	600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)
5,0kW	CS-Z50UFEAW	5,00 / 4300	5,30 / 4558	4 x 1,5	44 / 31 / 27 — 46 / 33 / 29	600 x 750 x 207 / 13	1/4 (6,35) / 1/2 (12,70)

NEW 18

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	Heating capacity	Connection	Sound pressure[1]	Dimension / Net weight		Piping connections
					Cool — Heat (Hi / Lo / S-Lo)	Indoor H x W x D	Panel H x W x D	Liquid / Gas pipe
		kW / kCal/h	kW / kCal/h	mm	dB(A)	mm / kg	mm / kg	Inch (mm)
2,0kW	CS-MZ20UB4EA / CZ-BT20EW	2,00 / 1720	3,20 / 2750	4 x 1,5	—	260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	—
2,5kW	CS-Z25UB4EAW / CZ-BT20EW	2,80 / 2410	3,60 / 3100	4 x 1,5 to 2,5	34 / 25 / 22 — 35 / 28 / 25	260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 3/8 (9,52)
3,5kW[2]	CS-Z35UB4EAW / CZ-BT20EW	3,50 / 3010	4,50 / 3870	4 x 1,5 to 2,5	34 / 26 / 23 — 35 / 28 / 25	260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 3/8 (9,52)
5,0kW	CS-Z50UB4EAW / CZ-BT20EW	5,00 / 4300	5,30 / 4558	4 x 1,5 to 2,5	37 / 28 / 25 — 38 / 29 / 26	260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 1/2 (12,70)
6,0kW	CS-Z60UB4EAW / CZ-BT20EW	6,00 / 5160	8,50 / 7310	4 x 1,5 to 2,5	42 / 32 / 29 — 43 / 32 / 29	260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 1/2 (12,70)

NEW 18

INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.

NEW Low Static Pressure Hide Away*	Indoor	Cooling capacity	Heating capacity	Connection	Sound pressure[1]	Dimension / Net weight	Piping connections
					Cool — Heat (Hi / Lo / S-Lo)	H x W x D	Liquid / Gas pipe
		kW / kCal/h	kW / kCal/h	mm	dB(A)	mm / kg	Inch (mm)
2,0kW	CS-MZ20UD3EA	2,00 / 1720	3,20 / 2750	4 x 1,5	—	200 x 750 x 640 / 19	—
2,5kW	CS-Z25UD3EAW	2,50 / 2150	3,60 / 3100	4 x 1,5 to 2,5	33 / 27 / 24 — 35 / 27 / 24	200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)
3,5kW[2]	CS-Z35UD3EAW	3,50 / 3010	4,50 / 3870	4 x 1,5 to 2,5	33 / 27 / 24 — 35 / 27 / 24	200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)
5,0kW	CS-Z50UD3EAW	5,00 / 4300	5,30 / 4558	4 x 1,5 to 2,5	39 / 29 / 26 — 39 / 30 / 27	200 x 750 x 640 / 19	1/4 (6,35) / 1/2 (12,70)
6,0kW	CS-Z60UD3EAW	6,00 / 5160	8,50 / 7310	4 x 1,5 to 2,5	41 / 30 / 27 — 41 / 32 / 29	200 x 750 x 640 / 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 4,20kW connected to a CU-2Z35TBE. 3) Compatible only with 2 ports Outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE. * Tentative data.

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.

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	LOW STATIC PRESSURE HIDE AWAY 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/Z20, XZ/Z25 and XZ/Z35	✔ 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)	✔ 20 m, 30 m (Z50)
Top-Panel maintenance access	✔	✔	✔	✔	✔	✔	✔	✔	✔
Self-diagnosis function	✔	✔	✔	✔	✔	✔	✔	✔	✔
CZ-CAPRA1: Panasonic Wireless Lan Kit for internet control	✔	✔	✔	✔	✔	✔	✔	✔	✔
Internet Control	✔	✔	✔	✔	✔		✔		
Easy control by BMS	✔	✔	✔	✔	✔	✔	✔	✔	✔
Warranty on the compressor	✔	✔	✔	✔	✔	✔	✔	✔	✔

* At the lowest fan speed.

FEATURES EXPLAINED

Energy saving

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

Inverter system. The Inverter range provides greater efficiency, more 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

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 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.

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.

Down to -10°C in cooling only mode. The air conditioner works in cooling only mode with an outdoor temperature of -10°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
Panasonic Wireless Lan Kit for internet control.

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 QKE and RKE wall mounted).

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

PAW-SMSCONTROL
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 Mult 2x1 CU-2Z35TBE. Minimum capacity connected: 3,2kW. Maximum capacity connected: 6,0kW • R32 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	kWh	230V	A	B	Total (Min - Max)	W/W	W/W	kW	kWh	230V
1 Room																
16	1,60		1,60 (1,10 - 2,30)	3,90 **A**		0,41 (0,22 - 0,60)	205	1,95	2,60		2,60 (0,70 - 3,80)	3,77 **A**		0,69 (0,17 - 1,11)	345	3,20
20	2,00		2,00 (1,10 - 2,90)	3,85 **A**		0,52 (0,22 - 0,77)	260	2,45	3,20		3,20 (0,70 - 4,80)	3,76 **A**		0,85 (0,17 - 1,41)	425	3,95
25	2,50		2,50 (1,10 - 3,50)	3,73 **A**		0,67 (0,22 - 1,00)	335	3,15	3,60		3,60 (0,70 - 5,50)	3,50 **B**		1,03 (0,17 - 1,70)	515	4,75
35	3,50		3,50 (1,10 - 4,00)	3,47 **A**		1,01 (0,22 - 1,22)	505	4,70	4,20		4,20 (0,70 - 5,60)	3,44 **B**		1,22 (0,17 - 1,68)	610	5,65
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,92 **A**	**8,50** A+++	0,65 (0,25 - 1,00)	325	3,05	2,10	2,10	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
16 + 20	1,55	1,95	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,85	2,35	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
16 + 25	1,35	2,15	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,65	2,55	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
16 + 35	1,10	2,40	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,30	2,90	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
20 + 20	1,75	1,75	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	2,10	2,10	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
20 + 25	1,55	1,95	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,85	2,35	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
20 + 35	1,25	2,25	3,50 (1,50 - 4,50)	5,07 **A**	**8,50** A+++	0,69 (0,25 - 1,05)	345	3,25	1,55	2,65	4,20 (1,10 - 5,60)	5,00 **A**	**4,60** A++	0,84 (0,21 - 1,29)	420	3,90
25 + 25	1,75	1,75	3,50 (1,50 - 4,50)	5,07 **A**	**8,50** A+++	0,69 (0,25 - 1,05)	345	3,25	2,10	2,10	4,20 (1,10 - 5,60)	5,00 **A**	**4,60** A++	0,84 (0,21 - 1,29)	420	3,90
25 + 35	1,45	2,05	3,50 (1,50 - 4,50)	5,07 **A**	**8,50** A+++	0,69 (0,25 - 1,05)	345	3,25	1,75	2,45	4,20 (1,10 - 5,60)	5,00 **A**	**4,60** A++	0,84 (0,21 - 1,29)	420	3,90

Free Mult 2x1 CU-2Z41TBE. Minimum capacity connected: 3,2kW. Maximum capacity connected: 6,0kW • R32 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	kWh	230V	A	B	Total (Min - Max)	W/W	W/W	kW	kWh	230V
1 Room																
16	1,60		1,60 (1,10 - 2,30)	3,90 **A**		0,41 (0,22 - 0,60)	205	1,95	2,60		2,60 (0,70 - 3,80)	3,77 **A**		0,69 (0,17 - 1,11)	345	3,20
20	2,00		2,00 (1,10 - 2,90)	3,85 **A**		0,52 (0,22 - 0,77)	260	2,45	3,20		3,20 (0,70 - 4,80)	3,76 **A**		0,85 (0,17 - 1,41)	425	3,95
25	2,50		2,50 (1,10 - 3,50)	3,73 **A**		0,67 (0,22 - 1,00)	335	3,15	3,60		3,60 (0,70 - 5,50)	3,50 **B**		1,03 (0,17 - 1,70)	515	4,75
35	3,50		3,50 (1,10 - 4,00)	3,47 **A**		1,01 (0,22 - 1,22)	505	4,70	4,50		4,50 (0,70 - 6,20)	3,60 **B**		1,25 (0,17 - 1,81)	625	5,80
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,71 **A**	**8,50** A+++	0,68 (0,25 - 0,99)	340	3,15	2,20	2,20	4,40 (1,10 - 7,00)	4,68 **A**	**4,60** A++	0,94 (0,21 - 1,81)	470	4,35
16 + 20	1,60	2,00	3,60 (1,50 - 4,50)	4,62 **A**	**8,50** A+++	0,78 (0,25 - 1,15)	390	3,60	2,05	2,55	4,60 (1,10 - 7,00)	4,79 **A**	**4,60** A++	0,96 (0,21 - 1,79)	480	4,45
16 + 25	1,60	2,50	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,80	2,80	4,60 (1,10 - 7,00)	4,79 **A**	**4,60** A++	0,96 (0,21 - 1,79)	480	4,45
16 + 35	1,30	2,80	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,45	3,15	4,60 (1,10 - 7,00)	4,79 **A**	**4,60** A++	0,96 (0,21 - 1,79)	480	4,45
20 + 20	2,00	2,00	4,00 (1,50 - 5,00)	4,49 **A**	**8,50** A+++	0,89 (0,25 - 1,31)	445	4,10	2,30	2,30	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
20 + 25	1,80	2,30	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	2,05	2,55	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
20 + 35	1,50	2,60	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,65	2,95	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
25 + 25	2,05	2,05	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	2,30	2,30	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
25 + 35	1,70	2,40	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,90	2,70	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40

Free Mult 2x1 CU-2Z50TBE. Minimum capacity connected: 3,2kW. Maximum capacity connected: 7,7kW • R32 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	kWh	230V	A	B	Total (Min - Max)	W/W	W/W	kW	kWh	230V
1 Room																
16	1,60		1,60 (1,10 - 2,30)	3,90 **A**		0,41 (0,22 - 0,60)	205	1,95	2,60		2,60 (0,70 - 3,80)	3,77 **A**		0,69 (0,17 - 1,11)	345	3,20
20	2,00		2,00 (1,10 - 2,90)	3,85 **A**		0,52 (0,22 - 0,77)	260	2,45	3,20		3,20 (0,70 - 4,80)	3,76 **A**		0,85 (0,17 - 1,41)	425	3,95
25	2,50		2,50 (1,10 - 3,50)	3,73 **A**		0,67 (0,22 - 1,00)	335	3,15	3,60		3,60 (0,70 - 5,50)	3,50 **B**		1,03 (0,17 - 1,70)	515	4,75
35	3,50		3,50 (1,10 - 4,00)	3,47 **A**		1,01 (0,22 - 1,22)	505	4,70	4,50		4,50 (0,70 - 6,20)	3,60 **B**		1,25 (0,17 - 1,81)	625	5,80
42	4,20		4,20 (1,10 - 4,50)	3,09 **B**		1,36 (0,22 - 1,50)	680	6,35	5,00		5,00 (1,10 - 6,40)	3,23 **C**		1,55 (0,21 - 2,18)	775	7,15
50	5,00		5,00 (1,20 - 5,10)	2,96 **C**		1,69 (0,23 - 1,79)	845	7,80	5,30		5,30 (1,10 - 6,80)	3,23 **C**		1,64 (0,21 - 2,29)	820	7,60
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,71 **A**	**8,50** A+++	0,68 (0,25 - 0,99)	340	3,15	2,60	2,60	5,20 (1,10 - 7,00)	4,60 **A**	**4,60** A++	1,13 (0,21 - 1,81)	565	5,10
16 + 20	1,60	2,00	3,60 (1,50 - 4,50)	4,62 **A**	**8,50** A+++	0,78 (0,25 - 1,15)	390	3,60	2,40	3,00	5,40 (1,10 - 7,00)	4,58 **A**	**4,60** A++	1,18 (0,21 - 1,79)	590	5,35
16 + 25	1,60	2,50	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	2,10	3,30	5,40 (1,10 - 7,00)	4,58 **A**	**4,60** A++	1,18 (0,21 - 1,79)	590	5,35
16 + 35	1,55	3,45	5,00 (1,50 - 5,20)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,37)	590	5,35	1,70	3,70	5,40 (1,10 - 7,00)	4,58 **A**	**4,60** A++	1,18 (0,21 - 1,79)	590	5,35
16 + 42	1,40	3,60	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,55	4,05	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
16 + 50	1,20	3,80	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,35	4,25	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
20 + 20	2,00	2,00	4,00 (1,50 - 5,00)	4,49 **A**	**8,50** A+++	0,89 (0,25 - 1,31)	445	4,10	2,70	2,70	5,40 (1,10 - 7,00)	4,62 **A**	**4,60** A++	1,17 (0,21 - 1,77)	585	5,30
20 + 25	2,00	2,50	4,50 (1,50 - 5,20)	4,37 **A**	**8,50** A+++	1,03 (0,25 - 1,37)	515	4,65	2,40	3,00	5,40 (1,10 - 7,00)	4,62 **A**	**4,60** A++	1,17 (0,21 - 1,77)	585	5,30
20 + 35	1,80	3,20	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,05	3,55	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
20 + 42	1,60	3,40	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,80	3,80	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
20 + 50	1,45	3,55	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,60	4,00	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 25	2,50	2,50	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 35	2,10	2,90	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,35	3,25	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 42	1,85	3,15	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,10	3,50	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 50	1,65	3,35	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,85	3,75	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
35 + 35	2,50	2,50	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
35 + 42	2,25	2,75	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,55	3,05	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50

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

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, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Mult 3x1 CU-3Z52TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 9,5kW • R32 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	C	Total (Min - Max)	W/W	W/W	kW	kWh	230V	A	B	C	Total (Min - Max)	W/W	W/W	kW	kWh	230V
1 Room																		
16	1,60			1,60 (1,30 - 2,30)	4,00 **A**		0,40 (0,25 - 0,64)	200	2,00	2,60			2,60 (1,20 - 3,20)	4,33 **A**		0,60 (0,30 - 0,96)	300	3,00
20	2,00			2,00 (1,80 - 2,90)	4,00 **A**		0,50 (0,34 - 0,81)	250	2,50	3,20			3,20 (1,20 - 4,10)	4,32 **A**		0,74 (0,30 - 1,23)	370	3,70
25	2,50			2,50 (1,80 - 2,90)	3,97 **A**		0,63 (0,34 - 0,81)	315	3,00	3,60			3,60 (1,20 - 4,30)	3,83 **A**		0,94 (0,30 - 1,23)	470	4,50
35	3,50			3,50 (1,80 - 3,80)	3,72 **A**		0,94 (0,34 - 1,36)	470	4,30	4,50			4,50 (1,20 - 5,80)	3,66 **A**		1,23 (0,30 - 2,10)	615	5,80
42	4,20			4,20 (1,80 - 4,30)	3,07 **B**		1,37 (0,34 - 1,99)	685	6,10	5,60			5,60 (1,20 - 6,80)	3,26 **C**		1,72 (0,30 - 2,93)	860	7,70
50	5,00			5,00 (1,90 - 5,70)	3,23 **A**		1,55 (0,34 - 2,13)	775	6,80	6,80			6,80 (1,20 - 6,90)	3,24 **C**		2,10 (0,30 - 2,52)	1050	9,20
2 Rooms																		
16 + 16	1,60	1,60		3,20 (1,80 - 6,20)	5,42 **A**	**7,00** A+++	0,59 (0,33 - 2,09)	295	2,90	2,60	2,60		5,20 (1,40 - 7,00)	4,13 **A**	**3,80** A	1,26 (0,34 - 1,99)	630	5,80
16 + 20	1,60	2,00		3,60 (1,80 - 6,20)	4,93 **A**	**7,00** A+++	0,73 (0,33 - 2,05)	365	3,50	2,58	3,22		5,80 (1,40 - 7,00)	4,03 **A**	**3,80** A	1,44 (0,33 - 1,95)	720	6,60
16 + 25	1,60	2,50		4,10 (1,80 - 6,20)	4,66 **A**	**7,00** A+++	0,88 (0,33 - 2,05)	440	4,10	2,42	3,78		6,20 (1,40 - 7,00)	3,95 **A**	**3,80** A	1,57 (0,33 - 1,95)	785	7,20
16 + 35	1,60	3,50		5,10 (1,80 - 6,30)	3,89 **A**	**7,00** A+++	1,31 (0,33 - 2,06)	655	6,00	2,13	4,67		6,80 (1,40 - 7,30)	3,89 **A**	**3,80** A	1,75 (0,29 - 2,05)	875	7,90
16 + 42	1,43	3,77		5,20 (1,90 - 6,40)	3,85 **A**	**7,00** A+++	1,35 (0,35 - 2,10)	675	6,20	1,88	4,92		6,80 (1,40 - 7,30)	3,98 **A**	**3,80** A	1,71 (0,31 - 2,04)	855	7,80
16 + 50	1,26	3,94		5,20 (1,90 - 6,80)	4,44 **A**	**7,20** A+++	1,17 (0,34 - 2,04)	585	5,40	1,65	5,15		6,80 (1,40 - 8,00)	4,36 **A**	**4,00** A+	1,56 (0,27 - 2,15)	780	7,10
20 + 20	2,00	2,00		4,00 (1,80 - 6,20)	4,71 **A**	**7,00** A+++	0,85 (0,33 - 2,01)	425	4,00	3,20	3,20		6,40 (1,40 - 7,00)	3,93 **A**	**3,80** A	1,63 (0,32 - 1,95)	815	7,40
20 + 25	2,00	2,50		4,50 (1,80 - 6,20)	4,33 **A**	**7,00** A+++	1,04 (0,33 - 2,01)	520	4,80	3,02	3,78		6,80 (1,40 - 7,00)	3,86 **A**	**3,80** A	1,76 (0,29 - 1,95)	880	8,00
20 + 35	1,89	3,31		5,20 (1,80 - 6,30)	3,85 **A**	**7,00** A+++	1,35 (0,33 - 2,02)	675	6,20	2,47	4,33		6,80 (1,40 - 7,30)	3,98 **A**	**3,80** A	1,71 (0,28 - 2,04)	855	7,80
20 + 42	1,68	3,52		5,20 (1,90 - 6,40)	3,94 **A**	**7,00** A+++	1,32 (0,35 - 2,06)	660	6,00	2,19	4,61		6,80 (1,40 - 7,30)	4,00 **A**	**3,80** A	1,70 (0,30 - 2,00)	850	7,80
20 + 50	1,49	3,71		5,20 (1,90 - 6,80)	4,44 **A**	**7,20** A+++	1,17 (0,34 - 2,04)	585	5,40	1,94	4,86		6,80 (1,40 - 8,00)	4,36 **A**	**4,00** A+	1,56 (0,27 - 2,15)	780	7,10
25 + 25	2,50	2,50		5,00 (1,80 - 6,20)	3,91 **A**	**7,00** A+++	1,28 (0,33 - 2,01)	640	5,80	3,40	3,40		6,80 (1,40 - 7,00)	3,86 **A**	**3,80** A	1,76 (0,29 - 1,95)	880	8,00
25 + 35	2,17	3,03		5,20 (1,90 - 6,30)	3,85 **A**	**7,00** A+++	1,35 (0,35 - 2,02)	675	6,20	2,83	3,97		6,80 (1,40 - 7,30)	3,98 **A**	**3,80** A	1,71 (0,28 - 2,04)	855	7,80
25 + 42	1,94	3,26		5,20 (1,90 - 6,40)	3,94 **A**	**7,00** A+++	1,32 (0,35 - 2,06)	660	6,00	2,54	4,26		6,80 (1,40 - 7,30)	4,00 **A**	**3,80** A	1,70 (0,28 - 2,00)	850	7,80
25 + 50	1,73	3,47		5,20 (1,90 - 6,80)	4,44 **A**	**7,20** A+++	1,17 (0,34 - 2,04)	585	5,40	2,27	4,53		6,80 (1,40 - 8,00)	4,36 **A**	**4,00** A+	1,56 (0,24 - 2,15)	780	7,10
35 + 35	2,60	2,60		5,20 (1,90 - 6,40)	4,06 **A**	**7,00** A+++	1,28 (0,35 - 2,02)	640	5,80	3,40	3,40		6,80 (1,40 - 7,50)	4,02 **A**	**3,80** A	1,69 (0,27 - 2,06)	845	7,70
35 + 42	2,36	2,84		5,20 (1,90 - 6,50)	4,06 **A**	**7,00** A+++	1,28 (0,35 - 2,07)	640	5,80	3,09	3,71		6,80 (1,40 - 7,50)	4,02 **A**	**3,80** A	1,69 (0,26 - 2,06)	845	7,70
35 + 50	2,14	3,06		5,20 (1,90 - 6,90)	4,60 **A**	**7,20** A+++	1,13 (0,36 - 2,04)	565	5,20	2,80	4,00		6,80 (1,40 - 8,00)	4,42 **A**	**4,00** A+	1,54 (0,24 - 2,08)	770	7,00
42 + 42	2,60	2,60		5,20 (1,90 - 6,50)	4,06 **A**	**7,00** A+++	1,28 (0,35 - 2,07)	640	5,80	3,40	3,40		6,80 (1,40 - 7,60)	4,12 **A**	**3,80** A	1,65 (0,26 - 2,09)	825	7,50
42 + 50	2,37	2,83		5,20 (1,90 - 6,90)	4,60 **A**	**7,20** A+++	1,13 (0,36 - 2,04)	565	5,20	3,10	3,70		6,80 (1,40 - 8,00)	4,44 **A**	**4,00** A+	1,53 (0,24 - 2,08)	765	7,00
3 Rooms																		
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,80 - 7,20)	5,05 **A**	**8,50** A+++	0,95 (0,36 - 2,13)	475	4,40	2,26	2,26	2,26	6,78 (1,50 - 8,10)	4,58 **A**	**4,20** A+	1,48 (0,29 - 2,10)	740	6,80
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,80 - 7,30)	4,77 **A**	**8,50** A+++	1,09 (0,36 - 2,18)	545	5,00	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,63 **A**	**4,20** A+	1,47 (0,32 - 2,17)	735	6,70
16 + 16 + 25	1,46	1,46	2,28	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,91	1,91	2,98	6,80 (1,60 - 8,30)	4,63 **A**	**4,20** A+	1,47 (0,32 - 2,17)	735	6,70
16 + 16 + 35	1,24	1,24	2,72	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	1,62	1,62	3,56	6,80 (1,60 - 8,30)	4,69 **A**	**4,20** A+	1,45 (0,34 - 2,10)	725	6,60
16 + 16 + 42	1,12	1,12	2,96	5,20 (1,80 - 7,30)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,47	1,47	3,86	6,80 (1,60 - 8,30)	4,69 **A**	**4,20** A+	1,45 (0,31 - 2,10)	725	6,60
16 + 16 + 50	1,01	1,01	3,18	5,20 (1,80 - 7,30)	5,15 **A**	**8,50** A+++	1,01 (0,42 - 1,91)	505	4,70	1,33	1,33	4,14	6,80 (1,60 - 8,30)	5,07 **A**	**4,20** A+	1,34 (0,33 - 1,96)	670	6,10
16 + 20 + 20	1,48	1,86	1,86	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,66 **A**	**4,20** A+	1,46 (0,31 - 2,12)	730	6,70
16 + 20 + 25	1,36	1,70	2,14	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,78	2,23	2,79	6,80 (1,60 - 8,30)	4,66 **A**	**4,20** A+	1,46 (0,31 - 2,12)	730	6,70
16 + 20 + 35	1,17	1,46	2,57	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,00)	545	5,00	1,53	1,92	3,35	6,80 (1,60 - 8,30)	4,69 **A**	**4,20** A+	1,45 (0,34 - 2,10)	725	6,60
16 + 20 + 42	1,07	1,33	2,80	5,20 (1,80 - 7,30)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,39	1,74	3,67	6,80 (1,60 - 8,30)	4,72 **A**	**4,20** A+	1,44 (0,31 - 2,09)	720	6,60
16 + 20 + 50	0,97	1,21	3,02	5,20 (1,80 - 7,30)	5,15 **A**	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,27	1,58	3,95	6,80 (1,60 - 8,30)	5,11 **A**	**4,20** A+	1,33 (0,34 - 1,95)	665	6,10
16 + 25 + 25	1,26	1,97	1,97	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,64	2,58	2,58	6,80 (1,60 - 8,30)	4,66 **A**	**4,20** A+	1,46 (0,31 - 2,12)	730	6,70
16 + 25 + 35	1,09	1,71	2,40	5,20 (1,80 - 7,30)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,43	2,24	3,13	6,80 (1,60 - 8,30)	4,69 **A**	**4,20** A+	1,45 (0,34 - 2,10)	725	6,60
16 + 25 + 42	1,00	1,57	2,63	5,20 (1,80 - 7,30)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,31	2,05	3,44	6,80 (1,60 - 8,30)	4,72 **A**	**4,20** A+	1,44 (0,31 - 2,09)	720	6,60
16 + 25 + 50	0,91	1,43	2,86	5,20 (1,80 - 7,30)	5,15 **A**	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,19	1,87	3,74	6,80 (1,60 - 8,30)	5,11 **A**	**4,20** A+	1,33 (0,34 - 1,95)	665	6,10
16 + 35 + 35	0,96	2,12	2,12	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,26	2,77	2,77	6,80 (1,60 - 8,30)	4,76 **A**	**4,20** A+	1,43 (0,32 - 2,07)	715	6,50
16 + 35 + 42	0,89	1,96	2,35	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,17	2,56	3,07	6,80 (1,60 - 8,30)	4,79 **A**	**4,20** A+	1,42 (0,32 - 2,06)	710	6,50
20 + 20 + 20	1,73	1,73	1,73	5,19 (1,90 - 7,20)	4,76 **A**	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,64 **A**	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
20 + 20 + 25	1,60	1,60	2,00	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,66 **A**	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
20 + 20 + 35	1,39	1,39	2,42	5,20 (1,90 - 7,20)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,81	1,81	3,18	6,80 (1,60 - 8,30)	4,72 **A**	**4,20** A+	1,44 (0,34 - 2,09)	720	6,60
20 + 20 + 42	1,27	1,27	2,66	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,66	1,66	3,48	6,80 (1,60 - 8,30)	4,76 **A**	**4,20** A+	1,43 (0,32 - 2,08)	715	6,50
20 + 20 + 50	1,16	1,16	2,88	5,20 (1,80 - 7,30)	5,15 **A**	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,51	1,51	3,78	6,80 (1,60 - 8,30)	5,11 **A**	**4,20** A+	1,33 (0,34 - 1,94)	665	6,10
20 + 25 + 25	1,48	1,86	1,86	5,20 (1,90 - 7,20)	4,77 **A**	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,66 **A**	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
20 + 25 + 35	1,29	1,63	2,28	5,20 (1,90 - 7,20)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,69	2,13	2,98	6,80 (1,60 - 8,30)	4,72 **A**	**4,20** A+	1,44 (0,34 - 2,09)	720	6,60
20 + 25 + 42	1,20	1,49	2,51	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,56	1,95	3,29	6,80 (1,60 - 8,30)	4,76 **A**	**4,20** A+	1,43 (0,32 - 2,08)	715	6,50
20 + 25 + 50	1,09	1,37	2,74	5,20 (1,80 - 7,30)	5,15 **A**	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,43	1,79	3,58	6,80 (1,60 - 8,30)	5,11 **A**	**4,20** A+	1,33 (0,34 - 1,94)	665	6,10
20 + 35 + 35	1,16	2,02	2,02	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,52	2,64	2,64	6,80 (1,60 - 8,30)	4,79 **A**	**4,20** A+	1,42 (0,32 - 2,06)	710	6,50
25 + 25 + 25	1,73	1,73	1,73	5,19 (1,90 - 7,20)	4,76 **A**	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,64 **A**	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
25 + 25 + 35	1,53	1,53	2,14	5,20 (1,90 - 7,20)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	2,00	2,00	2,80	6,80 (1,60 - 8,30)	4,72 **A**	**4,20** A+	1,44 (0,31 - 2,09)	720	6,60
25 + 25 + 42	1,41	1,41	2,38	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,85	1,85	3,10	6,80 (1,60 - 8,30)	4,76 **A**	**4,20** A+	1,43 (0,68 - 2,08)	715	6,50
25 + 35 + 35	1,36	1,92	1,92	5,20 (1,80 - 7,30)	4,95 **A**	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,78	2,51	2,51	6,80 (1,60 - 8,30)	4,79 **A**	**4,20** A+	1,42 (0,68 - 2,06)	710	6,50

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

FREE MULTI R32 COMBINATIONS TABLE

Free Mult 3x1 CU-3Z68TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,2kW • R32 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	C	Total (Min - Max)	W/W	W/W	kW	kWh	230V	A	B	C	Total (Min - Max)	W/W	W/W	kW	kWh	230V
1 Room																		
16	1,60			1,60 (1,30 - 2,30)	4,00 **A**		0,40 (0,25 - 0,64)	200	2,00	2,60			2,60 (1,20 - 3,20)	4,33 **A**		0,60 (0,30 - 0,96)	300	3,00
20	2,00			2,00 (1,80 - 2,90)	4,00 **A**		0,50 (0,34 - 0,81)	250	2,50	3,20			3,20 (1,20 - 4,10)	4,32 **A**		0,74 (0,30 - 1,23)	370	3,70
25	2,50			2,50 (1,80 - 2,90)	3,97 **A**		0,63 (0,34 - 0,81)	315	3,20	3,60			3,60 (1,20 - 4,30)	3,83 **A**		0,94 (0,30 - 1,23)	470	4,70
35	3,50			3,50 (1,80 - 3,80)	3,72 **A**		0,94 (0,34 - 1,36)	470	4,50	4,50			4,50 (1,20 - 5,80)	3,66 **A**		1,23 (0,30 - 2,10)	615	6,00
42	4,20			4,20 (1,80 - 4,30)	3,07 **B**		1,37 (0,34 - 1,99)	685	6,40	5,60			5,60 (1,20 - 6,80)	3,26 **C**		1,72 (0,30 - 2,93)	860	8,00
50	5,00			5,00 (1,90 - 5,70)	3,23 **A**		1,55 (0,34 - 2,13)	775	7,20	6,80			6,80 (1,20 - 6,90)	3,24 **C**		2,10 (0,30 - 2,52)	1050	9,70
60	6,00			6,00 (1,90 - 6,20)	2,96 **C**		2,03 (0,34 - 2,33)	1015	9,20	8,50			8,50 (1,30 - 9,00)	3,54 **B**		2,40 (0,62 - 2,55)	1200	11,10
2 Rooms																		
16 + 16	1,60	1,60		3,20 (1,90 - 6,40)	5,71 **A**	6,10 A+++	0,56 (0,27 - 2,12)	280	2,80	2,60	2,60		5,20 (2,70 - 9,80)	4,00 **A**	**3,80** A	1,30 (0,66 - 3,01)	650	5,90
16 + 20	1,60	2,00		3,60 (1,90 - 6,40)	5,22 **A**	6,10 A+++	0,69 (0,27 - 2,08)	345	3,40	2,58	3,22		5,80 (2,70 - 9,80)	3,92 **A**	**3,80** A	1,48 (0,65 - 3,02)	740	6,80
16 + 25	1,60	2,50		4,10 (1,90 - 6,40)	4,94 **A**	6,10 A+++	0,83 (0,27 - 2,08)	415	3,90	2,42	3,78		6,20 (2,70 - 9,80)	3,85 **A**	**3,80** A	1,61 (0,65 - 3,02)	805	7,40
16 + 35	1,60	3,50		5,10 (1,90 - 6,90)	4,08 **A**	6,10 A+++	1,25 (0,27 - 2,48)	625	5,70	2,23	4,87		7,10 (2,70 - 9,90)	3,74 **A**	**3,80** A	1,90 (0,63 - 3,02)	950	8,60
16 + 42	1,60	4,20		5,80 (1,90 - 6,90)	3,60 **A**	6,10 A+++	1,61 (0,27 - 2,44)	805	7,40	2,26	5,94		8,20 (2,70 - 9,90)	3,52 **B**	**3,80** A	2,33 (0,63 - 3,02)	1165	10,50
16 + 50	1,60	5,00		6,60 (2,00 - 7,50)	3,63 **A**	6,50 A+++	1,82 (0,28 - 2,52)	910	8,20	2,06	6,44		8,50 (2,80 - 10,20)	3,76 **A**	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
16 + 60	1,43	5,37		6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,28 - 2,52)	975	8,80	1,79	6,71		8,50 (2,80 - 10,20)	3,76 **A**	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
20 + 20	2,00	2,00		4,00 (1,90 - 6,40)	5,00 **A**	6,10 A+++	0,80 (0,27 - 2,04)	400	3,80	3,20	3,20		6,40 (2,70 - 9,80)	3,83 **A**	**3,80** A	1,67 (0,64 - 3,02)	835	7,60
20 + 25	2,00	2,50		4,50 (1,90 - 6,40)	4,59 **A**	6,10 A+++	0,98 (0,27 - 2,04)	490	4,60	3,02	3,78		6,80 (2,70 - 9,80)	3,78 **A**	**3,80** A	1,80 (0,64 - 3,02)	900	8,10
20 + 35	2,00	3,50		5,50 (1,90 - 6,90)	3,85 **A**	6,10 A+++	1,43 (0,27 - 2,44)	715	6,50	2,80	4,90		7,70 (2,70 - 9,90)	3,65 **A**	**3,80** A	2,11 (0,63 - 3,02)	1055	9,50
20 + 42	2,00	4,20		6,20 (1,90 - 6,90)	3,35 **A**	6,10 A+++	1,85 (0,27 - 2,40)	925	8,40	2,74	5,76		8,50 (2,70 - 9,90)	3,48 **B**	**3,80** A	2,44 (0,62 - 3,03)	1220	11,00
20 + 50	1,94	4,86		6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,28 - 2,48)	975	8,80	2,43	6,07		8,50 (2,80 - 10,20)	3,76 **A**	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
20 + 60	1,70	5,10		6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,28 - 2,48)	975	8,80	2,12	6,38		8,50 (2,80 - 10,20)	3,76 **A**	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
25 + 25	2,50	2,50		5,00 (1,90 - 6,80)	4,13 **A**	6,10 A+++	1,21 (0,27 - 2,43)	605	5,60	3,60	3,60		7,20 (2,70 - 9,80)	3,71 **A**	**3,80** A	1,94 (0,64 - 3,02)	970	8,80
25 + 35	2,50	3,50		6,00 (1,90 - 6,90)	3,47 **A**	6,10 A+++	1,73 (0,27 - 2,44)	865	7,90	3,37	4,73		8,10 (2,70 - 9,90)	3,60 **B**	**3,80** A	2,25 (0,63 - 3,02)	1125	10,20
25 + 42	2,50	4,20		6,70 (1,90 - 6,90)	2,94 **C**	6,10 A+++	2,28 (0,27 - 2,40)	1140	10,30	3,17	5,33		8,50 (2,70 - 9,90)	3,48 **B**	**3,80** A	2,44 (0,62 - 3,03)	1220	11,00
25 + 50	2,27	4,53		6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,26 - 2,48)	975	8,80	2,83	5,67		8,50 (2,80 - 10,20)	3,76 **A**	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
25 + 60	2,00	4,80		6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,26 - 2,48)	975	8,80	2,50	6,00		8,50 (2,80 - 10,20)	3,76 **A**	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
35 + 35	3,40	3,40		6,80 (1,90 - 7,00)	2,97 **C**	6,10 A+++	2,29 (0,27 - 2,40)	1145	10,40	4,25	4,25		8,50 (2,80 - 10,00)	3,56 **B**	**3,80** A	2,39 (0,64 - 3,02)	1195	10,80
35 + 42	3,09	3,71		6,80 (1,90 - 7,10)	3,04 **B**	6,10 A+++	2,24 (0,27 - 2,50)	1120	10,10	3,86	4,64		8,50 (2,80 - 10,00)	3,56 **B**	**3,80** A	2,39 (0,60 - 3,02)	1195	10,80
35 + 50	2,80	4,00		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,48)	935	8,50	3,50	5,00		8,50 (2,80 - 10,30)	3,86 **A**	**3,80** A	2,20 (0,54 - 2,97)	1100	10,00
35 + 60	2,51	4,29		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,48)	935	8,50	3,13	5,37		8,50 (2,80 - 10,30)	3,86 **A**	**3,80** A	2,20 (0,54 - 2,97)	1100	10,00
42 + 42	3,40	3,40		6,80 (1,90 - 7,10)	3,02 **B**	6,10 A+++	2,25 (0,26 - 2,45)	1125	10,20	4,25	4,25		8,50 (2,80 - 10,00)	3,57 **B**	**3,80** A	2,38 (0,60 - 2,98)	1190	10,80
42 + 50	3,10	3,70		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,44)	935	8,50	3,88	4,62		8,50 (2,80 - 10,30)	3,88 **A**	**3,80** A	2,19 (0,54 - 2,96)	1095	9,90
42 + 60	2,80	4,00		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,44)	935	8,50	3,50	5,00		8,50 (2,80 - 10,30)	3,88 **A**	**3,80** A	2,19 (0,54 - 2,96)	1095	9,90
50 + 50	3,40	3,40		6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1,66 (0,32 - 2,50)	830	7,60	4,25	4,25		8,50 (2,80 - 10,50)	4,15 **A**	**3,80** A	2,05 (0,51 - 2,87)	1025	9,30
50 + 60	3,09	3,71		6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1,66 (0,32 - 2,50)	830	7,60	3,86	4,64		8,50 (2,80 - 10,50)	4,15 **A**	**3,80** A	2,05 (0,51 - 2,87)	1025	9,30
3 Rooms																		
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,90 - 8,00)	4,85 **A**	8,00 A+++	0,99 (0,27 - 2,50)	495	4,60	2,60	2,60	2,60	7,80 (3,30 - 10,40)	3,98 **A**	**4,20** A+	1,96 (0,64 - 2,95)	980	8,90
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,90 - 8,00)	4,60 **A**	8,00 A+++	1,13 (0,27 - 2,46)	565	5,20	2,58	2,58	3,24	8,40 (3,30 - 10,40)	3,84 **A**	**4,20** A+	2,19 (0,64 - 2,94)	1095	9,90
16 + 16 + 25	1,60	1,60	2,50	5,70 (1,90 - 8,00)	4,19 **A**	8,00 A+++	1,36 (0,27 - 2,46)	680	6,20	2,39	2,39	3,72	8,50 (3,30 - 10,40)	3,81 **A**	**4,20** A+	2,23 (0,64 - 2,94)	1115	10,10
16 + 16 + 35	1,60	1,60	3,50	6,70 (1,90 - 8,00)	3,68 **A**	8,00 A+++	1,82 (0,27 - 2,37)	910	8,20	2,03	2,03	4,44	8,50 (3,30 - 10,40)	3,94 **A**	**4,20** A+	2,16 (0,63 - 2,92)	1080	9,80
16 + 16 + 42	1,47	1,47	3,86	6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,46)	930	8,40	1,84	1,84	4,82	8,50 (3,30 - 10,50)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,95)	1075	9,70
16 + 16 + 50	1,33	1,33	4,14	6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1,73 (0,32 - 2,42)	865	7,90	1,66	1,66	5,18	8,50 (3,20 - 10,60)	4,21 **A**	**4,20** A+	2,02 (0,60 - 2,80)	1010	9,10
16 + 16 + 60	1,18	1,18	4,44	6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1,73 (0,32 - 2,42)	865	7,90	1,48	1,48	5,54	8,50 (3,20 - 10,60)	4,21 **A**	**4,20** A+	2,02 (0,60 - 2,80)	1010	9,10
16 + 20 + 20	1,60	2,00	2,00	5,60 (1,90 - 8,00)	4,38 **A**	8,00 A+++	1,28 (0,27 - 2,46)	640	5,80	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,83 **A**	**4,20** A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 20 + 25	1,60	2,00	2,50	6,10 (1,90 - 8,00)	4,01 **A**	8,00 A+++	1,52 (0,27 - 2,46)	760	6,90	2,23	2,79	3,48	8,50 (3,30 - 10,40)	3,83 **A**	**4,20** A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 20 + 35	1,53	1,92	3,35	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,37)	930	8,40	1,92	2,39	4,19	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,86)	1075	9,70
16 + 20 + 42	1,39	1,74	3,67	6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,42)	930	8,40	1,74	2,18	4,58	8,50 (3,30 - 10,50)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,90)	1075	9,70
16 + 20 + 50	1,27	1,58	3,95	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,58	1,98	4,94	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 20 + 60	1,13	1,42	4,25	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,42	1,77	5,31	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 25 + 25	1,60	2,50	2,50	6,60 (1,90 - 8,00)	3,73 **A**	8,00 A+++	1,77 (0,27 - 2,46)	885	8,00	2,06	3,22	3,22	8,50 (3,30 - 10,40)	3,83 **A**	**4,20** A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 25 + 35	1,43	2,24	3,13	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,37)	930	8,40	1,79	2,80	3,91	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,86)	1075	9,70
16 + 25 + 42	1,31	2,05	3,44	6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,42)	930	8,40	1,64	2,56	4,30	8,50 (3,30 - 10,50)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,90)	1075	9,70
16 + 25 + 50	1,19	1,87	3,74	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,49	2,34	4,67	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 25 + 60	1,08	1,68	4,04	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,35	2,10	5,05	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 35 + 35	1,26	2,77	2,77	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,37)	910	8,20	1,58	3,46	3,46	8,50 (3,30 - 10,50)	3,99 **A**	**4,20** A+	2,13 (0,64 - 2,88)	1065	9,60
16 + 35 + 42	1,17	2,56	3,07	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,46	3,20	3,84	8,50 (3,30 - 10,50)	4,01 **A**	**4,20** A+	2,12 (0,64 - 2,87)	1060	9,60
16 + 35 + 50	1,07	2,36	3,37	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,34	2,95	4,21	8,50 (3,20 - 10,60)	4,27 **A**	**4,20** A+	1,99 (0,60 - 2,77)	995	9,00
16 + 35 + 60	0,98	2,14	3,68	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,23	2,68	4,59	8,50 (3,20 - 10,60)	4,27 **A**	**4,20** A+	1,99 (0,60 - 2,77)	995	9,00
16 + 42 + 42	1,08	2,86	2,86	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,36	3,57	3,57	8,50 (3,30 - 10,50)	4,03 **A**	**4,20** A+	2,11 (0,64 - 2,86)	1055	9,50
16 + 42 + 50	1,01	2,64	3,15	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,25	3,31	3,94	8,50 (3,20 - 10,60)	4,29 **A**	**4,20** A+	1,98 (0,60 - 2,76)	990	9,00
20 + 20 + 20	2,00	2,00	2,00	6,00 (1,90 - 8,00)	4,05 **A**	8,00 A+++	1,48 (0,27 - 2,41)	740	6,80	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,91 **A**	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 20 + 25	2,00	2,00	2,50	6,50 (1,90 - 8,00)	3,76 **A**	8,00 A+++	1,73 (0,27 - 2,41)	865	7,90	2,62	2,62	3,26	8,50 (3,30 - 10,40)	3,92 **A**	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 20 + 35	1,81	1,81	3,18	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,32)	930	8,40	2,27	2,27	3,96	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,85)	1075	9,70
20 + 20 + 42	1,66	1,66	3,48	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	2,07	2,07	4,36	8,50 (3,30 - 10,50)	3,97 **A**	**4,20** A+	2,14 (0,62 - 2,89)	1070	9,70
20 + 20 + 50	1,51	1,51	3,78	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,89	1,89	4,72	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 20 + 60	1,36	1,36	4,08	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,70	1,70	5,10	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 25 + 25	1,94	2,43	2,43	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,41)	930	8,40	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,92 **A**	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 25 + 35	1,69	2,13	2,98	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,32)	930	8,40	2,12	2,66	3,72	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,85)	1075	9,70
20 + 25 + 42	1,56	1,95	3,29	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,95	2,44	4,11	8,50 (3,30 - 10,50)	3,97 **A**	**4,20** A+	2,14 (0,62 - 2,89)	1070	9,70
20 + 25 + 50	1,43	1,79	3,58	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,79	2,24	4,47	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 25 + 60	1,29	1,62	3,89	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,62	2,02	4,86	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 35 + 35	1,52	2,64	2,64	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,33)	910	8,20	1,88	3,31	3,31	8,50 (3,30 - 10,50)	4,01 **A**	**4,20** A+	2,12 (0,64 - 2,87)	1060	9,60
20 + 35 + 42	1,40	2,45	2,95	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,75	3,07	3,68	8,50 (3,30 - 10,50)	4,03 **A**	**4,20** A+	2,11 (0,64 - 2,86)	1055	9,50
20 + 35 + 50	1,29	2,27	3,24	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,62	2,83	4,05	8,50 (3,20 - 10,60)	4,29 **A**	**4,20** A+	1,98 (0,60 - 2,76)	990	9,00
20 + 42 + 42	1,30	2,75	2,75	6,80 (1,90 - 8,20)	3,84 **A**	8,00 A+++	1,77 (0,29 - 2,37)	885	8,00	1,64	3,43	3,43	8,50 (3,30 - 10,50)	4,05 **A**	**4,20** A+	2,10 (0,63 - 2,86)	1050	9,50
20 + 42 + 50	1,21	2,55	3,04	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,52	3,19	3,79	8,50 (3,20 - 10,60)	4,31 **A**	**4,20** A+	1,97 (0,62 - 2,75)	985	8,90
25 + 25 + 25	2,26	2,26	2,26	6,78 (1,90 - 8,00)	3,65 **A**	8,00 A+++	1,86 (0,27 - 2,41)	930	8,40	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,91 **A**	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80

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, please visit aircon.panasonic.eu.

Free Mult 3x1 CU-3Z68TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,2kW • R32 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	C	Total (Min - Max)	W/W	W/W	kW	kWh	230V	A	B	C	Total (Min - Max)	W/W	W/W	kW	kWh	230V
25 + 25 + 35	2,00	2,00	2,80	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,32)	930	8,40	2,50	2,50	3,50	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2,15 (0,62 - 2,85)	1075	9,70
25 + 25 + 42	1,85	1,85	3,10	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	2,31	2,31	3,88	8,50 (3,30 - 10,50)	3,97 **A**	**4,20** A+	2,14 (0,62 - 2,89)	1070	9,70
25 + 25 + 50	1,70	1,70	3,40	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	2,13	2,13	4,24	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
25 + 25 + 60	1,55	1,55	3,70	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,93	1,93	4,64	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
25 + 35 + 35	1,78	2,51	2,51	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,33)	910	8,20	2,24	3,13	3,13	8,50 (3,30 - 10,50)	4,01 **A**	**4,20** A+	2,12 (0,64 - 2,87)	1060	9,60
25 + 35 + 42	1,67	2,33	2,80	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	2,08	2,92	3,50	8,50 (3,30 - 10,50)	4,03 **A**	**4,20** A+	2,11 (0,64 - 2,86)	1055	9,50
25 + 35 + 50	1,55	2,16	3,09	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,93	2,70	3,87	8,50 (3,20 - 10,60)	4,29 **A**	**4,20** A+	1,98 (0,60 - 2,76)	990	9,00
25 + 42 + 42	1,56	2,62	2,62	6,80 (1,90 - 8,20)	3,84 **A**	8,00 A+++	1,77 (0,29 - 2,37)	885	8,00	1,94	3,28	3,28	8,50 (3,30 - 10,50)	4,05 **A**	**4,20** A+	2,10 (0,63 - 2,86)	1050	9,50
35 + 35 + 35	2,26	2,26	2,26	6,78 (1,90 - 8,20)	3,83 **A**	8,00 A+++	1,77 (0,29 - 2,33)	885	8,00	2,83	2,83	2,83	8,49 (3,30 - 10,50)	4,12 **A**	**4,20** A+	2,06 (0,63 - 2,85)	1030	9,30
35 + 35 + 42	2,13	2,13	2,54	6,80 (1,90 - 8,20)	3,84 **A**	8,00 A+++	1,77 (0,29 - 2,33)	885	8,00	2,66	2,66	3,18	8,50 (3,30 - 10,50)	4,15 **A**	**4,20** A+	2,05 (0,63 - 2,80)	1025	9,30

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

Free Mult 4x1 CU-4Z68TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,5kW • R32 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	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230V	A	B	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230V
1 Room																				
16	1,60				1,60 (1,30 - 2,30)	4,00 **A**		0,40 (0,25 - 0,64)	200	2,00	2,60				2,60 (1,20 - 3,20)	4,33 **A**		0,60 (0,30 - 0,96)	300	3,00
20	2,00				2,00 (1,80 - 2,90)	4,00 **A**		0,50 (0,34 - 0,81)	250	2,50	3,20				3,20 (1,20 - 4,10)	4,32 **A**		0,74 (0,30 - 1,23)	370	3,70
25	2,50				2,50 (1,80 - 2,90)	3,97 **A**		0,63 (0,34 - 0,81)	315	3,20	3,60				3,60 (1,20 - 4,30)	3,83 **A**		0,94 (0,30 - 1,23)	470	4,70
35	3,50				3,50 (1,80 - 3,80)	3,72 **A**		0,94 (0,34 - 1,36)	470	4,50	4,50				4,50 (1,20 - 5,80)	3,66 **A**		1,23 (0,30 - 2,10)	615	6,00
42	4,20				4,20 (1,80 - 4,30)	3,07 **B**		1,37 (0,34 - 1,99)	685	6,40	5,60				5,60 (1,20 - 6,80)	3,26 **C**		1,72 (0,30 - 2,93)	860	8,00
50	5,00				5,00 (1,90 - 5,70)	3,23 **A**		1,55 (0,34 - 2,13)	775	7,20	6,80				6,80 (1,20 - 6,90)	3,24 **C**		2,10 (0,30 - 2,52)	1050	9,70
60	6,00				6,00 (1,90 - 6,20)	2,96 **C**		2,03 (0,34 - 2,33)	1015	9,20	8,50				8,50 (1,30 - 9,00)	3,54 **B**		2,40 (0,62 - 2,55)	1200	11,10
2 Rooms																				
16 + 16	1,60	1,60			3,20 (1,90 - 6,40)	5,71 **A**	6,10 A+++	0,56 (0,27 - 2,12)	280	2,80	2,60	2,60			5,20 (2,70 - 9,80)	4,00 **A**	3,80 A	1,30 (0,66 - 3,01)	650	5,90
16 + 20	1,60	2,00			3,60 (1,90 - 6,40)	5,22 **A**	6,10 A+++	0,69 (0,27 - 2,08)	345	3,40	2,58	3,22			5,80 (2,70 - 9,80)	3,92 **A**	3,80 A	1,48 (0,65 - 3,02)	740	6,80
16 + 25	1,60	2,50			4,10 (1,90 - 6,40)	4,94 **A**	6,10 A+++	0,83 (0,27 - 2,08)	415	3,90	2,42	3,78			6,20 (2,70 - 9,80)	3,85 **A**	3,80 A	1,61 (0,65 - 3,02)	805	7,40
16 + 35	1,60	3,50			5,10 (1,90 - 6,90)	4,08 **A**	6,10 A+++	1,25 (0,27 - 2,48)	625	5,70	2,23	4,87			7,10 (2,70 - 9,90)	3,74 **A**	3,80 A	1,90 (0,63 - 3,02)	950	8,60
16 + 42	1,60	4,20			5,80 (1,90 - 6,90)	3,60 **A**	6,10 A+++	1,61 (0,27 - 2,44)	805	7,40	2,26	5,94			8,20 (2,70 - 9,90)	3,52 **B**	3,80 A	2,33 (0,63 - 3,02)	1165	10,50
16 + 50	1,60	5,00			6,60 (2,00 - 7,50)	3,63 **A**	6,50 A+++	1,82 (0,28 - 2,52)	910	8,20	2,06	6,44			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2,26 (0,56 - 2,99)	1130	10,20
16 + 60	1,43	5,37			6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,28 - 2,52)	975	8,80	1,79	6,71			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2,26 (0,56 - 2,99)	1130	10,20
20 + 20	2,00	2,00			4,00 (1,90 - 6,40)	5,00 **A**	6,10 A+++	0,80 (0,27 - 2,04)	400	3,80	3,20	3,20			6,40 (2,70 - 9,80)	3,83 **A**	3,80 A	1,67 (0,64 - 3,02)	835	7,60
20 + 25	2,00	2,50			4,50 (1,90 - 6,40)	4,59 **A**	6,10 A+++	0,98 (0,27 - 2,04)	490	4,60	3,02	3,78			6,80 (2,70 - 9,80)	3,78 **A**	3,80 A	1,80 (0,64 - 3,02)	900	8,10
20 + 35	2,00	3,50			5,50 (1,90 - 6,90)	3,85 **A**	6,10 A+++	1,43 (0,27 - 2,44)	715	6,50	2,80	4,90			7,70 (2,70 - 9,90)	3,65 **A**	3,80 A	2,11 (0,63 - 3,02)	1055	9,50
20 + 42	2,00	4,20			6,20 (1,90 - 6,90)	3,35 **A**	6,10 A+++	1,85 (0,27 - 2,40)	925	8,40	2,74	5,76			8,50 (2,70 - 9,90)	3,48 **B**	3,80 A	2,44 (0,62 - 3,03)	1220	11,00
20 + 50	1,94	4,86			6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,28 - 2,48)	975	8,80	2,43	6,07			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2,26 (0,56 - 2,99)	1130	10,20
20 + 60	1,70	5,10			6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,28 - 2,48)	975	8,80	2,12	6,38			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2,26 (0,56 - 2,99)	1130	10,20
25 + 25	2,50	2,50			5,00 (1,90 - 6,80)	4,13 **A**	6,10 A+++	1,21 (0,27 - 2,43)	605	5,60	3,60	3,60			7,20 (2,70 - 9,80)	3,71 **A**	3,80 A	1,94 (0,64 - 3,02)	970	8,80
25 + 35	2,50	3,50			6,00 (1,90 - 6,90)	3,47 **A**	6,10 A+++	1,73 (0,27 - 2,44)	865	7,90	3,37	4,73			8,10 (2,70 - 9,90)	3,60 **B**	3,80 A	2,25 (0,63 - 3,02)	1125	10,20
25 + 42	2,50	4,20			6,70 (1,90 - 6,90)	2,94 **C**	6,10 A+++	2,28 (0,27 - 2,40)	1140	10,30	3,17	5,33			8,50 (2,70 - 9,90)	3,48 **B**	3,80 A	2,44 (0,62 - 3,03)	1220	11,00
25 + 50	2,27	4,53			6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,26 - 2,48)	975	8,80	2,83	5,67			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2,26 (0,56 - 2,99)	1130	10,20
25 + 60	2,00	4,80			6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1,95 (0,26 - 2,48)	975	8,80	2,50	6,00			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2,26 (0,56 - 2,99)	1130	10,20
35 + 35	3,40	3,40			6,80 (1,90 - 7,00)	2,97 **C**	6,10 A+++	2,29 (0,27 - 2,40)	1145	10,40	4,25	4,25			8,50 (2,80 - 10,00)	3,56 **B**	3,80 A	2,39 (0,64 - 3,02)	1195	10,80
35 + 42	3,09	3,71			6,80 (1,90 - 7,10)	3,04 **B**	6,10 A+++	2,24 (0,27 - 2,50)	1120	10,10	3,86	4,64			8,50 (2,80 - 10,00)	3,56 **B**	3,80 A	2,39 (0,60 - 3,02)	1195	10,80
35 + 50	2,80	4,00			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,48)	935	8,50	3,50	5,00			8,50 (2,80 - 10,30)	3,86 **A**	3,80 A	2,20 (0,54 - 2,97)	1100	10,00
35 + 60	2,51	4,29			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,48)	935	8,50	3,13	5,37			8,50 (2,80 - 10,30)	3,86 **A**	3,80 A	2,20 (0,54 - 2,97)	1100	10,00
42 + 42	3,40	3,40			6,80 (1,90 - 7,10)	3,02 **B**	6,10 A+++	2,25 (0,26 - 2,45)	1125	10,20	4,25	4,25			8,50 (2,80 - 10,00)	3,57 **B**	3,80 A	2,38 (0,60 - 2,98)	1190	10,80
42 + 50	3,10	3,70			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,44)	935	8,50	3,88	4,62			8,50 (2,80 - 10,30)	3,88 **A**	3,80 A	2,19 (0,54 - 2,96)	1095	9,90
42 + 60	2,80	4,00			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1,87 (0,28 - 2,44)	935	8,50	3,50	5,00			8,50 (2,80 - 10,30)	3,88 **A**	3,80 A	2,19 (0,54 - 2,96)	1095	9,90
50 + 50	3,40	3,40			6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1,66 (0,32 - 2,50)	830	7,60	4,25	4,25			8,50 (2,80 - 10,50)	4,15 **A**	3,80 A	2,05 (0,51 - 2,87)	1025	9,30
50 + 60	3,09	3,71			6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1,66 (0,32 - 2,50)	830	7,60	3,86	4,64			8,50 (2,80 - 10,50)	4,15 **A**	3,80 A	2,05 (0,51 - 2,87)	1025	9,30
3 Rooms																				
16 + 16 + 16	1,60	1,60	1,60		4,80 (1,90 - 8,00)	4,85 **A**	8,00 A+++	0,99 (0,27 - 2,50)	495	4,60	2,60	2,60	2,60		7,80 (3,30 - 10,40)	3,98 **A**	4,00 A+	1,96 (0,64 - 2,95)	980	8,90
16 + 16 + 20	1,60	1,60	2,00		5,20 (1,90 - 8,00)	4,60 **A**	8,00 A+++	1,13 (0,27 - 2,46)	565	5,20	2,58	2,58	3,24		8,40 (3,30 - 10,40)	3,84 **A**	4,00 A+	2,19 (0,64 - 2,94)	1095	9,90
16 + 16 + 25	1,60	1,60	2,50		5,70 (1,90 - 8,00)	4,19 **A**	8,00 A+++	1,36 (0,27 - 2,46)	680	6,20	2,39	2,39	3,72		8,50 (3,30 - 10,40)	3,81 **A**	4,00 A+	2,23 (0,64 - 2,94)	1115	10,10
16 + 16 + 35	1,60	1,60	3,50		6,70 (1,90 - 8,00)	3,68 **A**	8,00 A+++	1,82 (0,27 - 2,37)	910	8,20	2,03	2,03	4,44		8,50 (3,30 - 10,40)	3,94 **A**	4,00 A+	2,16 (0,63 - 2,92)	1080	9,80
16 + 16 + 42	1,47	1,47	3,86		6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,46)	930	8,40	1,84	1,84	4,82		8,50 (3,30 - 10,50)	3,95 **A**	4,00 A+	2,15 (0,62 - 2,95)	1075	9,70
16 + 16 + 50	1,33	1,33	4,14		6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1,73 (0,32 - 2,42)	865	7,90	1,66	1,66	5,18		8,50 (3,20 - 10,60)	4,21 **A**	4,00 A+	2,02 (0,60 - 2,80)	1010	9,10
16 + 16 + 60	1,18	1,18	4,44		6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1,73 (0,32 - 2,42)	865	7,90	1,48	1,48	5,54		8,50 (3,20 - 10,60)	4,21 **A**	4,00 A+	2,02 (0,60 - 2,80)	1010	9,10
16 + 20 + 20	1,60	2,00	2,00		5,60 (1,90 - 8,00)	4,38 **A**	8,00 A+++	1,28 (0,27 - 2,46)	640	5,80	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,83 **A**	4,00 A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 20 + 25	1,60	2,00	2,50		6,10 (1,90 - 8,00)	4,01 **A**	8,00 A+++	1,52 (0,27 - 2,46)	760	6,90	2,23	2,79	3,48		8,50 (3,30 - 10,40)	3,83 **A**	4,00 A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 20 + 35	1,53	1,92	3,35		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,37)	930	8,40	1,92	2,39	4,19		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2,15 (0,62 - 2,86)	1075	9,70
16 + 20 + 42	1,39	1,74	3,67		6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,42)	930	8,40	1,74	2,18	4,58		8,50 (3,30 - 10,50)	3,95 **A**	4,00 A+	2,15 (0,62 - 2,90)	1075	9,70
16 + 20 + 50	1,27	1,58	3,95		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,58	1,98	4,94		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 20 + 60	1,13	1,42	4,25		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,42	1,77	5,31		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 25 + 25	1,60	2,50	2,50		6,60 (1,90 - 8,00)	3,73 **A**	8,00 A+++	1,77 (0,27 - 2,46)	885	8,00	2,06	3,22	3,22		8,50 (3,30 - 10,40)	3,83 **A**	4,00 A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 25 + 35	1,43	2,24	3,13		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,37)	930	8,40	1,79	2,80	3,91		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2,15 (0,62 - 2,86)	1075	9,70
16 + 25 + 42	1,31	2,05	3,44		6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1,86 (0,27 - 2,42)	930	8,40	1,64	2,56	4,30		8,50 (3,30 - 10,50)	3,95 **A**	4,00 A+	2,15 (0,62 - 2,90)	1075	9,70
16 + 25 + 50	1,19	1,87	3,74		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,49	2,34	4,67		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 25 + 60	1,08	1,68	4,04		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,32 - 2,42)	840	7,70	1,35	2,10	5,05		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 35 + 35	1,26	2,77	2,77		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,37)	910	8,20	1,58	3,46	3,46		8,50 (3,30 - 10,50)	3,99 **A**	4,00 A+	2,13 (0,64 - 2,88)	1065	9,60
16 + 35 + 42	1,17	2,56	3,07		6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,46	3,20	3,84		8,50 (3,30 - 10,50)	4,01 **A**	4,00 A+	2,12 (0,64 - 2,87)	1060	9,60
16 + 35 + 50	1,07	2,36	3,37		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,34	2,95	4,21		8,50 (3,20 - 10,60)	4,27 **A**	4,00 A+	1,99 (0,60 - 2,77)	995	9,00
16 + 35 + 60	0,98	2,14	3,68		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,23	2,68	4,59		8,50 (3,20 - 10,60)	4,27 **A**	4,00 A+	1,99 (0,60 - 2,77)	995	9,00
16 + 42 + 42	1,08	2,86	2,86		6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,36	3,57	3,57		8,50 (3,30 - 10,50)	4,03 **A**	4,00 A+	2,11 (0,64 - 2,86)	1055	9,50
16 + 42 + 50	1,01	2,64	3,15		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,25	3,31	3,94		8,50 (3,20 - 10,60)	4,29 **A**	4,00 A+	1,98 (0,60 - 2,76)	990	9,00

FREE MULTI R32 COMBINATIONS TABLE

Free Mult 4x1 CU-4Z68TBE. Minimum capacity connected: 4,5kW. Maximum capacity connected: 11,5kW • R32 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	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230V	A	B	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230V
20 + 20 + 20	2,00	2,00	2,00		6,00 (1,90 - 8,00)	4,05 A	8,00 A+++	1,48 (0,27 - 2,41)	740	6,80	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,91 A	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 20 + 25	2,00	2,00	2,50		6,50 (1,90 - 8,00)	3,76 A	8,00 A+++	1,73 (0,27 - 2,41)	865	7,90	2,62	2,62	3,26		8,50 (3,30 - 10,40)	3,92 A	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 20 + 35	1,81	1,81	3,18		6,80 (1,90 - 8,00)	3,66 A	8,00 A+++	1,86 (0,27 - 2,32)	930	8,40	2,27	2,27	3,96		8,50 (3,30 - 10,40)	3,95 A	4,00 A+	2,15 (0,62 - 2,85)	1075	9,70
20 + 20 + 42	1,66	1,66	3,48		6,80 (1,90 - 8,10)	3,74 A	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	2,07	2,07	4,36		8,50 (3,30 - 10,50)	3,97 A	4,00 A+	2,14 (0,62 - 2,89)	1070	9,70
20 + 20 + 50	1,51	1,51	3,78		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,89	1,89	4,72		8,50 (3,20 - 10,60)	4,25 A	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 20 + 60	1,36	1,36	4,08		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,70	1,70	5,10		8,50 (3,20 - 10,60)	4,25 A	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 25 + 25	1,94	2,43	2,43		6,80 (1,90 - 8,00)	3,66 A	8,00 A+++	1,86 (0,27 - 2,41)	930	8,40	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,92 A	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 25 + 35	1,69	2,13	2,98		6,80 (1,90 - 8,00)	3,66 A	8,00 A+++	1,86 (0,27 - 2,32)	930	8,40	2,12	2,66	3,72		8,50 (3,30 - 10,40)	3,95 A	4,00 A+	2,15 (0,62 - 2,85)	1075	9,70
20 + 25 + 42	1,56	1,95	3,29		6,80 (1,90 - 8,10)	3,74 A	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,95	2,44	4,11		8,50 (3,30 - 10,50)	3,97 A	4,00 A+	2,14 (0,62 - 2,89)	1070	9,70
20 + 25 + 50	1,43	1,79	3,58		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,79	2,24	4,47		8,50 (3,20 - 10,60)	4,25 A	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 25 + 60	1,29	1,62	3,89		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,62	2,02	4,86		8,50 (3,20 - 10,60)	4,25 A	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 35 + 35	1,52	2,64	2,64		6,80 (1,90 - 8,10)	3,74 A	8,00 A+++	1,82 (0,29 - 2,33)	910	8,20	1,88	3,31	3,31		8,50 (3,30 - 10,50)	4,01 A	4,00 A+	2,12 (0,64 - 2,87)	1060	9,60
20 + 35 + 42	1,40	2,45	2,95		6,80 (1,90 - 8,20)	3,74 A	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	1,75	3,07	3,68		8,50 (3,30 - 10,50)	4,03 A	4,00 A+	2,11 (0,64 - 2,86)	1055	9,50
20 + 35 + 50	1,29	2,27	3,24		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,62	2,83	4,05		8,50 (3,20 - 10,60)	4,29 A	4,00 A+	1,98 (0,60 - 2,76)	990	9,00
20 + 35 + 60	1,18	2,07	3,55		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,48	2,59	4,43		8,50 (3,20 - 10,60)	4,29 A	4,00 A+	1,98 (0,60 - 2,76)	990	9,00
20 + 42 + 42	1,30	2,75	2,75		6,80 (1,90 - 8,20)	3,84 A	8,00 A+++	1,77 (0,29 - 2,37)	885	8,00	1,64	3,43	3,43		8,50 (3,30 - 10,50)	4,05 A	4,00 A+	2,10 (0,63 - 2,86)	1050	9,50
20 + 42 + 50	1,21	2,55	3,04		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,52	3,19	3,79		8,50 (3,20 - 10,60)	4,31 A	4,00 A+	1,97 (0,62 - 2,75)	985	8,90
25 + 25 + 25	2,26	2,26	2,26		6,78 (1,90 - 8,00)	3,65 A	8,00 A+++	1,86 (0,27 - 2,41)	930	8,40	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,91 A	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
25 + 25 + 35	2,00	2,00	2,80		6,80 (1,90 - 8,00)	3,66 A	8,00 A+++	1,86 (0,27 - 2,32)	930	8,40	2,50	2,50	3,50		8,50 (3,30 - 10,40)	3,95 A	4,00 A+	2,15 (0,62 - 2,85)	1075	9,70
25 + 25 + 42	1,85	1,85	3,10		6,80 (1,90 - 8,10)	3,74 A	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	2,31	2,31	3,88		8,50 (3,30 - 10,50)	3,97 A	4,00 A+	2,14 (0,62 - 2,89)	1070	9,70
25 + 25 + 50	1,70	1,70	3,40		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	2,13	2,13	4,24		8,50 (3,20 - 10,60)	4,25 A	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
25 + 25 + 60	1,55	1,55	3,70		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,38)	840	7,70	1,93	1,93	4,64		8,50 (3,20 - 10,60)	4,25 A	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
25 + 35 + 35	1,78	2,51	2,51		6,80 (1,90 - 8,10)	3,74 A	8,00 A+++	1,82 (0,29 - 2,33)	910	8,20	2,24	3,13	3,13		8,50 (3,30 - 10,50)	4,01 A	4,00 A+	2,12 (0,64 - 2,87)	1060	9,60
25 + 35 + 42	1,67	2,33	2,80		6,80 (1,90 - 8,20)	3,74 A	8,00 A+++	1,82 (0,29 - 2,42)	910	8,20	2,08	2,92	3,50		8,50 (3,30 - 10,50)	4,03 A	4,00 A+	2,11 (0,64 - 2,86)	1055	9,50
25 + 35 + 50	1,55	2,16	3,09		6,80 (2,00 - 8,50)	4,05 A	8,00 A+++	1,68 (0,34 - 2,33)	840	7,70	1,93	2,70	3,87		8,50 (3,20 - 10,60)	4,29 A	4,00 A+	1,98 (0,60 - 2,76)	990	9,00
25 + 42 + 42	1,56	2,62	2,62		6,80 (1,90 - 8,20)	3,84 A	8,00 A+++	1,77 (0,29 - 2,37)	885	8,00	1,94	3,28	3,28		8,50 (3,30 - 10,50)	4,05 A	4,00 A+	2,10 (0,63 - 2,86)	1050	9,50
35 + 35 + 35	2,26	2,26	2,26		6,78 (1,90 - 8,20)	3,83 A	8,00 A+++	1,77 (0,29 - 2,33)	885	8,00	2,83	2,83	2,83		8,49 (3,30 - 10,50)	4,12 A	4,00 A+	2,06 (0,63 - 2,85)	1030	9,30
35 + 35 + 42	2,13	2,13	2,54		6,80 (1,90 - 8,20)	3,84 A	8,00 A+++	1,77 (0,29 - 2,33)	885	8,00	2,66	2,66	3,18		8,50 (3,30 - 10,50)	4,15 A	4,00 A+	2,05 (0,63 - 2,80)	1025	9,30
4 Rooms																				
16 + 16 + 16 + 16	1,65	1,65	1,65	1,65	6,60 (1,90 - 8,70)	4,49 A	8,50 A+++	1,47 (0,34 - 2,38)	735	6,70	2,12	2,12	2,12	2,12	8,48 (3,00 - 10,60)	4,44 A	4,20 A+	1,91 (0,58 - 2,69)	955	8,60
16 + 16 + 16 + 20	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,47)	775	7,00	2,00	2,00	2,00	2,50	8,50 (3,00 - 10,60)	4,47 A	4,20 A+	1,90 (0,58 - 2,68)	950	8,60
16 + 16 + 16 + 25	1,49	1,49	1,49	2,33	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,47)	775	7,00	1,86	1,86	1,86	2,92	8,50 (3,00 - 10,60)	4,47 A	4,20 A+	1,90 (0,58 - 2,68)	950	8,60
16 + 16 + 16 + 35	1,31	1,31	1,31	2,87	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,38)	775	7,00	1,64	1,64	1,64	3,58	8,50 (3,00 - 10,60)	4,52 A	4,20 A+	1,88 (0,58 - 2,66)	940	8,50
16 + 16 + 16 + 42	1,21	1,21	1,21	3,17	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,34 - 2,38)	755	6,80	1,51	1,51	1,51	3,97	8,50 (3,00 - 10,60)	4,55 A	4,20 A+	1,87 (0,58 - 2,65)	935	8,50
16 + 16 + 16 + 50	1,11	1,11	1,11	3,47	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,40 - 2,24)	755	6,80	1,39	1,39	1,39	4,33	8,50 (3,00 - 10,60)	4,64 A	4,20 A+	1,83 (0,65 - 2,55)	915	8,30
16 + 16 + 16 + 60	1,01	1,01	1,01	3,77	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,40 - 2,24)	755	6,80	1,26	1,26	1,26	4,72	8,50 (3,00 - 10,60)	4,64 A	4,20 A+	1,83 (0,65 - 2,55)	915	8,30
16 + 16 + 20 + 20	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	4,50 A	4,20 A+	1,89 (0,60 - 2,67)	945	8,50
16 + 16 + 20 + 25	1,41	1,41	1,77	2,21	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,77	1,77	2,20	2,76	8,50 (3,10 - 10,60)	4,50 A	4,20 A+	1,89 (0,60 - 2,67)	945	8,50
16 + 16 + 20 + 35	1,25	1,25	1,56	2,74	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,34 - 2,38)	755	6,80	1,56	1,56	1,95	3,43	8,50 (3,00 - 10,60)	4,55 A	4,20 A+	1,87 (0,58 - 2,65)	935	8,50
16 + 16 + 20 + 42	1,16	1,16	1,44	3,04	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,45	1,45	1,80	3,80	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16 + 16 + 20 + 50	1,07	1,07	1,33	3,33	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,40 - 2,20)	755	6,80	1,33	1,33	1,67	4,17	8,50 (3,00 - 10,60)	4,64 A	4,20 A+	1,83 (0,66 - 2,54)	915	8,30
16 + 16 + 20 + 60	0,97	0,97	1,21	3,65	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,40 - 2,20)	755	6,80	1,21	1,21	1,52	4,56	8,50 (3,00 - 10,60)	4,64 A	4,20 A+	1,83 (0,66 - 2,54)	915	8,30
16 + 16 + 25 + 25	1,33	1,33	2,07	2,07	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,66	1,66	2,59	2,59	8,50 (3,10 - 10,60)	4,50 A	4,20 A+	1,89 (0,60 - 2,67)	945	8,50
16 + 16 + 25 + 35	1,18	1,18	1,85	2,59	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,34 - 2,38)	755	6,80	1,48	1,48	2,31	3,23	8,50 (3,00 - 10,60)	4,55 A	4,20 A+	1,87 (0,58 - 2,65)	935	8,50
16 + 16 + 25 + 42	1,10	1,10	1,72	2,88	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,37	1,37	2,15	3,61	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16 + 16 + 25 + 50	1,02	1,02	1,58	3,18	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,40 - 2,20)	755	6,80	1,27	1,27	1,99	3,97	8,50 (3,00 - 10,60)	4,64 A	4,20 A+	1,83 (0,66 - 2,54)	915	8,30
16 + 16 + 35 + 35	1,07	1,07	2,33	2,33	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,33	1,33	2,92	2,92	8,50 (3,00 - 10,60)	4,59 A	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
16 + 16 + 35 + 42	1,00	1,00	2,18	2,62	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,25	1,25	2,72	3,28	8,50 (3,00 - 10,60)	4,62 A	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
16 + 20 + 20 + 20	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16 + 20 + 20 + 25	1,34	1,68	1,68	2,10	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,68	2,10	2,10	2,62	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16 + 20 + 20 + 35	1,20	1,49	1,49	2,62	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,49	1,87	1,87	3,27	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16 + 20 + 20 + 42	1,11	1,39	1,39	2,91	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,39	1,73	1,73	3,65	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
16 + 20 + 20 + 50	1,03	1,28	1,28	3,21	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,42 - 2,20)	755	6,80	1,28	1,60	1,60	4,02	8,50 (3,00 - 10,60)	4,67 A	4,20 A+	1,82 (0,68 - 2,53)	910	8,20
16 + 20 + 25 + 25	1,26	1,58	1,98	1,98	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,58	1,98	2,47	2,47	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16 + 20 + 25 + 35	1,13	1,42	1,77	2,48	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,42	1,77	2,21	3,10	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16 + 20 + 25 + 42	1,06	1,32	1,65	2,77	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,32	1,65	2,06	3,47	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
16 + 20 + 25 + 50	0,98	1,23	1,53	3,06	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,42 - 2,20)	755	6,80	1,23	1,53	1,91	3,83	8,50 (3,00 - 10,60)	4,67 A	4,20 A+	1,82 (0,68 - 2,53)	910	8,20
16 + 20 + 35 + 35	1,02	1,28	2,25	2,25	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,28	1,60	2,81	2,81	8,50 (3,00 - 10,60)	4,62 A	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
16 + 20 + 35 + 42	0,96	1,20	2,11	2,53	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,20	1,50	2,63	3,17	8,50 (3,00 - 10,60)	4,62 A	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
16 + 25 + 25 + 25	1,19	1,87	1,87	1,87	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,43)	775	7,00	1,48	2,34	2,34	2,34	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16 + 25 + 25 + 35	1,08	1,68	1,68	2,36	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,35	2,10	2,10	2,95	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16 + 25 + 25 + 42	1,01	1,57	1,57	2,65	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,38)	755	6,80	1,25	1,97	1,97	3,31	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
16 + 25 + 35 + 35	0,98	1,54	2,14	2,14	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,23	1,91	2,68	2,68	8,50 (3,00 - 10,60)	4,62 A	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
20 + 20 + 20 + 20	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,38)	775	7,00	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	4,51 A	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20 + 20 + 20 + 25	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,38)	775	7,00	2,00	2,00	2,00	2,50	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20 + 20 + 20 + 35	1,43	1,43	1,43	2,51	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,79	1,79	1,79	3,13	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
20 + 20 + 20 + 42	1,33	1,33	1,33	2,81	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,67	1,67	1,67	3,49	8,50 (3,00 - 10,60)	4,59 A	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
20 + 20 + 20 + 50	1,24	1,24	1,24	3,08	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,42 - 2,20)	755	6,80	1,55	1,55	1,55	3,85	8,50 (3,00 - 10,60)	4,70 A	4,20 A+	1,81 (0,68 - 2,52)	905	8,20
20 + 20 + 25 + 25	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,38)	775	7,00	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20 + 20 + 25 + 35	1,36	1,36	1,70	2,38	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,70	1,70	2,12	2,98	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
20 + 20 + 25 + 42	1,27	1,27	1,59	2,67	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,59	1,59	1,98	3,34	8,50 (3,00 - 10,60)	4,59 A	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
20 + 20 + 25 + 50	1,18	1,18	1,48	2,96	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,42 - 2,20)	755	6,80	1,48	1,48	1,84	3,70	8,50 (3,00 - 10,60)	4,70 A	4,20 A+	1,81 (0,68 - 2,52)	905	8,20
20 + 20 + 35 + 35	1,24	1,24	2,16	2,16	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,55	1,55	2,70	2,70	8,50 (3,00 - 10,60)	4,62 A	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
20 + 25 + 25 + 25	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,38)	775	7,00	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	4,52 A	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20 + 25 + 25 + 35	1,29	1,62	1,62	2,27	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,62	2,02	2,02	2,84	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
20 + 25 + 25 + 42	1,21	1,52	1,52	2,55	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,51	1,90	1,90	3,19	8,50 (3,00 - 10,60)	4,59 A	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
20 + 25 + 35 + 35	1,18	1,48	2,07	2,07	6,80 (1,90 - 8,80)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,47	1,85	2,59	2,59	8,50 (3,00 - 10,60)	4,62 A	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
25 + 25 + 25 + 25	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	4,39 A	8,00 A+++	1,55 (0,34 - 2,38)	775	7,00	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	4,51 A	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
25 + 25 + 25 + 35	1,55	1,55	1,55	2,15	6,80 (1,90 - 8,8 0)	4,50 A	8,00 A+++	1,51 (0,37 - 2,33)	755	6,80	1,93	1,93	1,93	2,71	8,50 (3,00 - 10,60)	4,57 A	4,20 A+	1,86 (0,61 - 2,63)	930	8,40

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

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)
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Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of the other refrigerant.
The outdoor units in this catalogue contains fluorinated greenhouse gases with a GWP higher than 150.

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