

Air Conditioning Solutions Portfolio



Conquering climate since 1958

Since we introduced our first window-type air conditioner in 1958, Panasonic has grown to be a globally recognised and celebrated brand in the heating and cooling solutions space. Driven by an endless quest for innovation, we deliver unmatched quality and reliability with a wealth of experience, achieving superior comfort in both residential and commercial applications.

With over 300 products, spanning residential to large scale commercial environments, we can provide fully customisable total air solutions for every application.

We're uncompromising in our product quality, durability, reliability and safety. Panasonic leads the market in many of the most extreme climates in the world and our products are engineered to provide uninterrupted cooling or heating when you need it most.



Features

Nanoe™ X

Our exclusive Nanoe™ X technology goes beyond standard filtering technology by actively breaking down and inhibiting bacteria, viruses and other pollutants both in the air and on surfaces.

Inverter

Our Inverter air conditioners prevent wasteful energy usage by slowing down the compressor rotation speed instead of stopping completely. This gives you energy-saving performance while ensuring you always stay comfortable.

Quiet operation

Our indoor units have an operating noise level that goes as low as 19 dB, quieter than a whisper. All so the unit can keep you comfortable without drawing your attention.

Warranty

All our residential and light commercial units come with a comprehensive five-year parts and labour warranty to give you long-term peace of mind for your unit

Refrigerants

We're committed to creating healthier lifestyles and a sustainable future. This is why our models are increasingly adopting environmentally friendly refrigerants such as R32, R290 and CO2 where possible.

Comfort Cloud

The Comfort Cloud app lets you control your air conditioning units from wherever and whenever with your smartphone. Enjoy features like voice control, timer control and monitoring energy consumption, depending on your unit model.

Protection and life extension

We place Blue Fin anti-corrosive coating on our outdoor units to guard against atmospheric conditions and enhance the unit's lifespan. We also place silicone coating on our circuit boards to protect from rodents and other small animals.

Top operating performance

Our units boast wide operating capacity ranges. This enables two things: your comfort is maintained even in extreme outdoor temperatures (as low as -20°C) and the units use less energy to keep temperature, bringing down the operating cost.

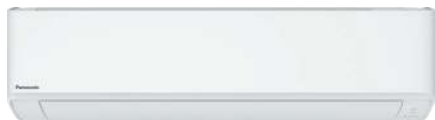


Small Scale Room Air Conditioning

High Wall Aero Series



Model No.	CS-Z20AKRW	CS-Z25AKRW-1	CS-Z35AKRW	CS-Z42AKRW	CS-Z50AKRW
Capacity	2.0kW	2.5kW	3.5kW	4.2kW	5.0kW



Model No.	CS-Z50AKRW-1	CS-Z60AKRW-1	CS-Z71AKRW	CS-Z80YKR
Capacity	5.0kW	6.0kW	7.1kW	8.0kW



Model No.	CS-Z95AKR
Capacity	9.5kW



Wireless remote controller (included with all models)

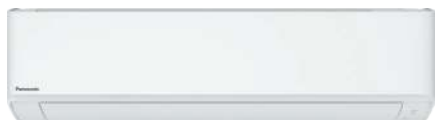


CZ-RD517C wired remote controller (optional)

High Wall Developer Series



Model No.	CS-RZ25AKRW	CS-RZ35AKRW	CS-RZ42AKRW	CS-RZ50AKRW
Capacity	2.5kW	3.5kW	4.2kW	5.0kW



Model No.	CS-RZ60AKRW	CS-RZ71AKRW	CS-RZ80YKR
Capacity	6.0kW	7.1kW	8.0kW



Model No.	CS-RZ95AKR
Capacity	9.5kW



Wireless remote controller (included with all models)



CZ-RD517C wired remote controller (optional)



CZ-TACG1 network adaptor (optional)

High Wall Features

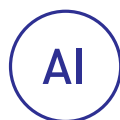


Our Aero Series air conditioners use our exclusive Nanoe™ X technology that actively fights pollutants in the air and on surfaces to effectively break down and inhibit bacteria, viruses and other pollutants such as mould, allergens and strong odours.



Inverter

The Panasonic Inverter air conditioner varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature. Thus, the Panasonic Inverter air conditioner gives you exceptional energy-saving performance while ensuring you always stay comfortable.



AI ECO

The Panasonic ECO Mode with AI Control learns about your room environment. Energy saving is maximised in each room's environment as it auto-adjusts to the optimal ECO level based on heat load conditions and air conditioning capacity.



iAUTO-X

The Panasonic Thermal Enhancement Technology (P-Tech) enables the compressor to achieve maximum frequency in the shortest time from start-up, allowing for a 15% faster cooling.



Aerowings

Aerowings delivers comforting air across the room by concentrating air to deliver faster and further airflow up to 25 meters*. Enjoy a more comfortable experience even in larger living spaces.

*Applicable to CS-RZ95AKR only

Floor Console Premier Series



Wireless remote controller
(included with all models)



CZ-RD517C wired remote controller
(optional)



CZ-TAC61 network adaptor
(optional)

- Uses R32 gas (more environmentally friendly than R410A)
- Breakthrough modern design
- Comes with Nanoe™ X
- Can connect via Wi-Fi

Model No.	CS-Z25UFAW	CS-Z35UFAW	CS-Z50UFAW
Capacity	2.5kW	3.5kW	5.0kW

4-Way Mini Cassette



CZ-CAPWFC1 network adaptor
(optional)



CZ-RWS3 + CZ-RWRY3 wireless remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)

- Market-leading energy efficiency
- Compact design (230mm high)
- Easy installation
- Built-in drain pump
- -15°C to 46°C operating range

Model No.	S-25PY3E	S-36PY3E	S-50PY3E	S-60PY3E
Capacity	2.5kW	3.6kW	5.0kW	6.0kW

Ultra Slim Ducted



CZ-TAC61 network adaptor
(optional)



Wired remote controller
(included with all models)

- Market-leading energy efficiency
- Only 200mm high
- Rear or bottom return air
- Built-in drain pump (500mm lift)
- -15°C to 46°C operating range

Model No.	CS-Z25UD3RAW	CS-Z35UD3RAW	CS-Z50UD3RAW	CS-Z60UD3RAW
Capacity	2.5kW	3.5kW	5.0kW	6.0kW

The advantage of a multi-split system

- You can have a variety of indoor units
- Market-leading energy efficiency
- Heat or cool the rooms you want
- Precise control of individual room temperature
- Much less space taken up by outdoor units; control up to five indoor units with one outdoor



All indoor units shown here are available as a single-split or multi-split system

Ducted Air Conditioning

High Static Ducted



High static and large airflow ducted with compact design that allows for a discreet appearance.



Model No.	S-60PE3R	S-75PE3R	S-100PE3R	S-125PE3R	S-140PE3R	S-160PE3R
Capacity	6.0kW	7.5kW	10.0kW	12.5kW	14.0kW	16.0kW



CZ-RTC5B wired remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)



CZ-CAPWFC1 network adaptor
(optional)

Adaptive Ducted



Provides exceptional performance, super quiet operation and the ultimate control of your environment. A perfect solution when ceiling heights are restricted. Can be mounted horizontally or vertically.



Model No.	S-3650PF3E	S-3650PF3E	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E
Capacity	3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW



CZ-RTC5B wired remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)



CZ-CAPWFC1 network adaptor
(optional)

Splittable Ducted



Unit conveniently splits into three parts, allowing for an easy installation for a larger ducted application.



Model No.	S-180PE4R	S-200PE4R	S-224PE4R
Capacity	18.0kW	20.0kW	22.4kW



CZ-RTC5B wired remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)



CZ-CAPWFC1 network adaptor
(optional)

Light to Medium Commercial

4-Way Cassette



Featuring uniform airflow distribution, easy installation and a sleek exterior. These units are an all-rounder; perfect for all commercial applications.

Model No.	S-6071PU3E	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E
Capacity	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW



CZ-RTC5B wired remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)



CZ-CAPWFC1 network adaptor
(optional)

Commercial High Wall



With its small, lightweight design and low-noise level output, it is ideal for offices or other commercial applications. A great solution for where long pipe runs (up to 85m) are required. It also has a stylish, smooth casing with a washable front panel.

Model No.	S-100PK3R
Capacity	10.0kW



CZ-RTC5B wired remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)



CZ-CAPWFC1 network adaptor
(optional)

Under Ceiling



Providing outstanding energy-saving performance, comfort and long-distance airflow distribution, these units are perfect for retail stores and schools.

Model No.	S-1014PT3E	S-1014PT3E	S-1014PT3E
Capacity	10.0kW	12.5kW	14.0kW



CZ-RTC5B wired remote controller
(optional)



CZ-RTC6BL/CZ-RTC6BLW CONEX wired remote controller
(optional)



CZ-CAPWFC1 network adaptor
(optional)

Outdoor Units

- Wide range of sizes to fit your needs
- Capacities ranging from 2.5kW to 22.4kW
- Choose from single fan compact to double fan deluxe
- Options for single and three-phase power



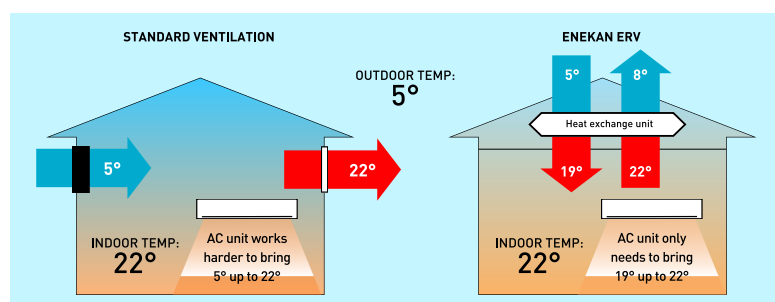
Ventilation

EneKan ERV

Indoor air quality is a key consideration for anyone looking to create a healthy and comfortable environment. An energy recovery ventilator (ERV) provides balanced, energy-efficient ventilation by transferring heat and moisture between incoming filtered fresh air and outgoing stale air. In the winter, an ERV keeps heat and moisture inside the building. During hot, humid summer months, it maintains cool, dry indoor air.

- Recovers up to 83% of heat energy in transfer
- Easily adjustable for air volume balance
- Backdraft shutters equipped as standard
- Highly efficient ENF7 grade filter built in

Heat exchange process



Wired remote controller
(included with all models)

Model No.	FY-15ZY1	FY-35ZY1	FY-50ZY1	FY-65ZY1	FY-1KZY1
Air Flow Rate	150 m³/h	350 m³/h	500 m³/h	650 m³/h	1000 m³/h

Hot Water

CO₂ Hot Water Heat Pump

Panasonic's Hot Water Heat Pump boasts industry-leading technology. Using CO₂ as a refrigerant, it is one of the most environmentally friendly units on the market. Our model can provide your hot water with significantly lower energy consumption, leading to up to an 80% saving on your hot water heating costs*.

*Depending on your usage

- Global Warming Potential (GWP) rating of 1
- Can operate as quietly as 37dB
- 6 operating modes for optimised function
- COP of 5.19
- Daily self-legionella control
- SDHP-V1.1 smart controller included
- Tank can be installed outside or inside

Model No.	HE-UM60AR
Capacity	5.0 kW
Tank Sizes	215L, 275L, 340L

**SAVE UP TO
80%
ON YOUR HOT
WATER BILL***

*depending on
hot water usage



Air to Water

Aquarea Air to Water

The Aquarea Air to Water heat pump provides both domestic hot water and heat for radiators and underfloor heating from outdoor units. Choose between our J Series 5 – 9kW for a compact solution or our 16kW single phase for a larger capacity. Our T-CAP models are your answer for more extreme and demanding conditions.

Cost saving

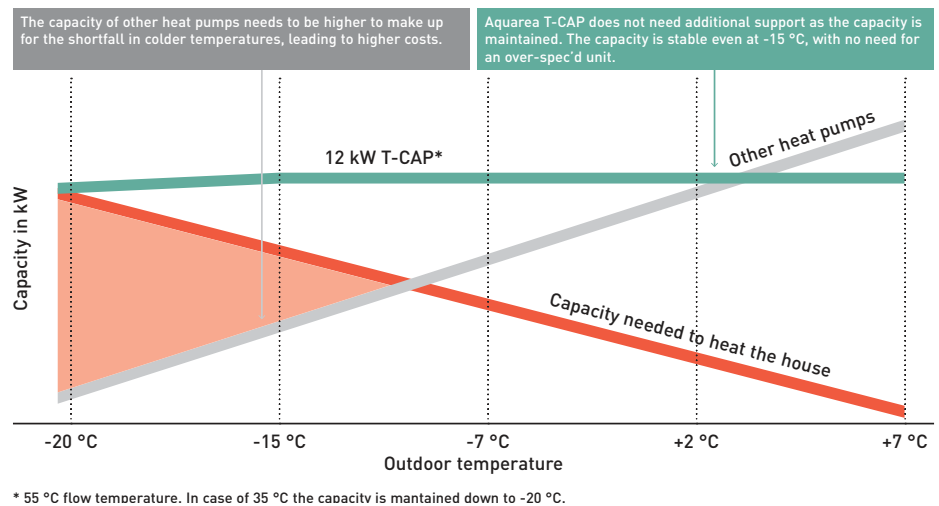
Based on Air to Water heat pump technology, Aquarea captures energy from the ambient air and transfers it to heat or cool the water needed to condition your home or provide domestic hot water. This method accounts for up to 80% of the energy used, which means a lower power requirement to heat your water or condition your home. In turn, you get a reduced power bill.

Guaranteed comfort

Aquarea is able to precisely control the temperature thanks to reliable Panasonic Inverter compressors. Even in extreme weather conditions (as low as -20°C), Aquarea warms your home effectively and efficiently. Aquarea can also cool your home in summer and bring hot water all year round, offering different modes to give the ultimate comfort.

How Aquarea T-CAP maintains performance even at -20°C outdoors

Panasonic's patented technology can maintain heating capacity even in extreme low outdoor temperatures through optimal control that comes from incorporating a dual-piped heat exchanger into the refrigeration cycle. What traditional heat pump technology has done to address this in the past is provide a much higher capacity unit. This handles the extreme outdoor temperatures, but is essentially over-spec'd the rest of the time and leaves the user with higher install and running costs.

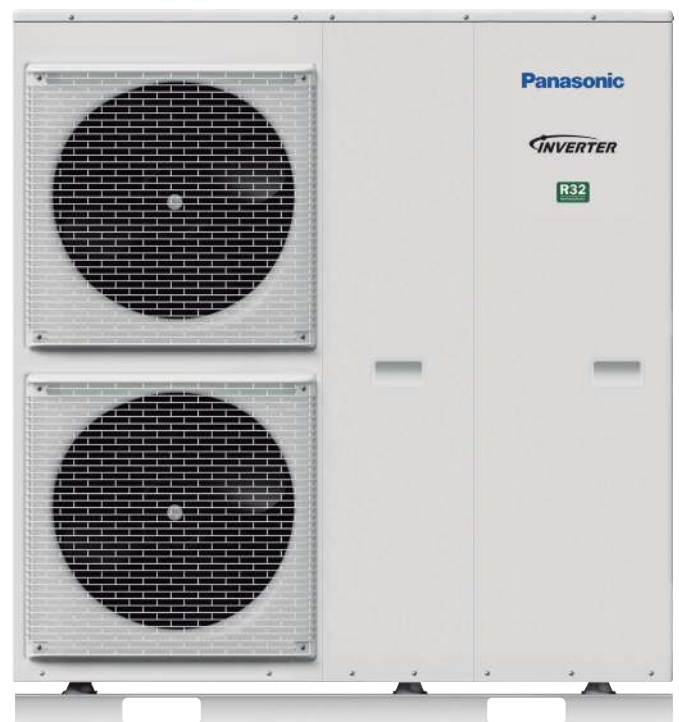


High Performance J Series

Model No.	WH-MDC05J3E5	WH-MDC07J3E5	WH-MDC09J3E5	WH-MDC16J6R5
Capacity	5.0kW	7.0kW	9.0kW	16.0kW

T-CAP

Model No.	WH-MXC12J6E5-1	WH-MXC16J9E8-1
Capacity	12.0kW	16.0kW



Large Scale Air Conditioning

R32 Mini VRF LZ2 Series

- Uses R32 refrigerant
- 150% connectible capacity ratio, our highest to date
- 8 outdoor units to choose from
- Works in any New Zealand climate
 - Cooling: -10 °C to 52 °C DB
 - Heating: -20°C to 18°C DB
- Connects up to 16 separate indoor units, depending on outdoor unit model
- Optional CZ-CGLSC1 refrigerant leak detector
- High external static pressure of 35Pa
- Max piping length of 180m (12.1/14.0/15.5kW) / 300m (22.4/28.0kW) available as needed
- 12.1/14.0/15.5kW - 4.53* EER (in the case of 12.1kW)
- 22.4/28.0kW - 3.84* EER (in the case of 22.4kW)



Model No.	U-4LZ2E5	U-4LZ2E8	U-5LZ2E5	U-5LZ2E8	U-6LZ2E5	U-6LZ2E8	U-8LZ2E8	U-10LZ2E8
Capacity	12.1kW	12.1kW	14.0kW	14.0kW	15.5kW	15.5kW	22.4kW	25.0kW

2-Pipe FSV-EX ME2 Series

- Wide range of systems from 22.4kW to 224.0kW
- Class-leading EER of 4.7 (for 22.4kW model)
- Industry-leading low noise of 54dB (22.4kW model)
- Cooling operation possible with outdoor temperature as high as 52 °C (DB)
- Long maximum pipe length (up to 1,000m)
- Up to 64 indoor units connectable
- External static pressure up to 80Pa
- Extended operating range allows heating with outdoor temperatures as low as -25 °C (WB)
- Suitable for R22 renewal projects



Model No.	U-8ME2R8	U-10ME2R8	U-12ME2R8	U-14ME2R8	U-16ME2R8	U-18ME2R8	U-20ME2R8
Capacity	22.4kW	28.0kW	33.5kW	40.0kW	45.0kW	50.0kW	56.0kW

3-Pipe FSV-EX MF2 Series

- Wide range of systems from 22.4kW to 118kW
- Top class EER: 3.94 / COP: 4.49 (in the case of 22.4kW)
- Longer maximum piping length (up to 500m)
- Increased maximum number of connectable indoor units (up to 52)
- External static pressure up to 80Pa
- Cooling operating is possible when outdoor temperature as high as 46°C (DB)
- Extended operating range to provide heating at outdoor temperature as low as -20°C (WB)
- Suitable for R22 renewal projects



Model No.	U-8MF3R7	U-10MF3R7	U-12MF3R7	U-14MF3R7	U-16MF3R7
Capacity	22.4kW	28.0kW	33.5kW	40.0kW	45.0kW

Adaptive Ducted

- Space-saving 250mm height
- 150Pa external static pressure
- Quiet operation at 20dB(A)
- Horizontal or vertical installation
- Built-in Nanoe™ X air purification



Model No.	S-22MF3E5BN	S-28MF3E5BN	S-36MF3E5BN	S-45MF3E5BN	S-56MF3E5BN	S-60MF3E5BN	S-73MF3E5BN
Capacity	2.2kW	2.8kW	3.6kW	4.5kW	5.6kW	6.0kW	7.3kW
Model No.	S-90MF3E5BN	S-112MF3E5BN	S-140MF3E5BN	S-160MF3E5BN			
Capacity	9.0kW	11.2kW	14.0kW	16.0kW			

Slim Low-Static Ducted

- 450mm depth
- Noise levels reduced by 2-5dB(A)
- Built-in drain pump allows up to 634m lift
- Built-in Nanoe™ X air purification



Model No.	S-22MM2EB	S-28MM2EB	S-36MM2EB	S-45MM2EB	S-54MM2EB
Capacity	2.5kW	3.2kW	4.2kW	5.0kW	6.3kW

High Wall

- Compact unit; easy installation
- Noise levels as low as 29dB(A)
- Piping outlet in six directions
- Washable front panel



Model No.	S-22MK2E5B	S-28MK2E5B	S-36MK2E5B	S-45MK2E5B	S-56MK2E5B	S-73MK2E5B	S-106MK2E5B
Capacity	2.2kW	2.8kW	3.6kW	4.5kW	5.6kW	7.3kW	10.6kW

4-Way Cassette

- Only protrudes 33.5mm from ceiling
- Built-in drain pump allows up to 850mm lift
- Easy-to-clean grille can make 90° turns
- 360° wide with individual flap control
- Built-in Nanoe™ X air purification



Model No.	S-22MU2E5BN	S-28MU2E5BN	S-36MU2E5BN	S-45MU2E5BN	S-56MU2E5BN	S-60MU2E5BN	S-73MU2E5BN
Capacity	2.2kW	2.8kW	3.6kW	4.5kW	5.6kW	6.0kW	7.3kW
Model No.	S-90MU2E5BN	S-112MU2E5BN	S-140MU2E5BN	S-160MU2E5BN			
Capacity	9.0kW	11.2kW	14.0kW	16.0kW			

VRF Indoor Units Range

Class	22	28	36	45	56	60	73	90	106	112	140	160	180	224	280
Type	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity kW	2.2/2.5	2.8/3.2	3.6/4.2	4.5/5.0	5.6/6.3	6.0/7.1	7.3/8.0	9.0/10.0	10.6/11.4	11.2/12.5	14.0/16.0	16.0/18.0	18.0/20.0	22.4/25.0	28.0/31.5
BTU/h															
nanoeX Consistent Flow F3 type ECONAVI Mid Static Adaptive Ducted R410A	●	●	●	●	●	●	●	●	●		●	●			
nanoeX Consistent Flow F3 type ECONAVI Mid Static Adaptive Ducted R32	●	●	●	●	●	●	●	●	●		●	●			
M1 type ECONAVI Slim Low Static Ducted R410A/R32	●	●	●	●	●										
Z1 type ECONAVI Slim & Narrow Ducted R410A	●	●	●	●	●	●	●								
E2 type High Static Ducted / Energy Saving High- Fresh Air Ducted R410A													●	●	●
E1 type High Static Ducted R410A								●		●	●	●			
K2 type ECONAVI Wall Mounted R410A/R32	●	●	●	●	●		●		●						
nanoeX Consistent Flow U2 type ECONAVI 4-Way Cassette Panel No. CZ-KPU3H/CZ-KPU3A R410A/R32	●	●	●	●	●	●	●	●	●		●	●			
nanoeX Consistent Flow Y3 type ECONAVI 4-Way Mini Cassette Panel No. CZ-KPY4 R410A/R32	●	●	●	●	●										
L1 type 2-Way Cassette Panel No. CZ-02KPL2 Panel No. CZ-03KPL2 (Only for S-73ML1E5) R410A	●	●	●	●	●		●								
D1 type 1-Way Cassette Panel No. CZ-KPD2 R410A		●	●	●	●		●								
T2 type ECONAVI Under Ceiling R410A			●	●	●		●		●		●				
nanoeX Consistent Flow G1 type Floor Console R410A	●	●	●	●	●										
P1 type Floor Standing R410A	●	●	●	●	●		●								
R1 type Concealed Floor Standing R410A	●	●	●	●	●		●								

Controllers

Comfort Cloud

Control your air conditioning units from wherever and whenever with your smartphone by using the Panasonic Comfort Cloud app and WLAN smart adaptor. This scalable solution is ideal for one system, one site and multiple locations. Coupling the adaptor with the already feature-rich systems makes it an ideal solution for both residential and commercial applications.

Features

- Voice control via Amazon Alexa or Google Assistant
- Control up to 200 units (up to 10 different sites with up to 20 units per site)
- Simplified weekly scheduling
- Allows multi-user access with the ability to restrict access to specific units
- Monitor your actual and estimated energy consumption*.

*Function available depending on model



Wired Controllers



CONEX controller

- Simple and sophisticated design with user-friendly interface and at 86 x 86mm, an extremely compact controller
- Easy control and access for end users, installers and service partners all in one remote control



Deluxe wired remote controller

- Large 3.5 inch LCD with white LED backlight
- Elegant, flat design featuring large, easy-to-use touch keys

Zone Control

Dampers are installed in your system to give you control over the airflow to particular zones in your home or business. Dampers can be controlled with the Comfort Cloud app. Closing dampers concentrates the airflow to the areas being used and minimises wastage.

Central Control Options



- Control up to 256 units
- Perfect for large commercial buildings

Nanoe™ X

Panasonic's Nanoe™ X air purification technology is a natural way to inhibit harmful substances, creating a healthier environment for you and your family. Unlike traditional filters and ionisers, Nanoe™ X fills the entire room with hydroxyl radicals to actively inhibit bacteria, viruses, mould, allergens, pollen and odours, in the air and on surfaces.

Deodorises		Inhibits			Moisturises	
 cigarettes	 sweat	 bacteria	 viruses	 hazardous substances	 skin	
 cooking	 trash	 allergens	 mould	 pollen	 hair	

How it works



9.6 trillion hydroxyl radicals are generated per second, inhibiting bacteria and adhered viruses



The pollutant-fighting hydroxyl radicals and contained in tiny droplets of water, increasing their lifespan so the particles can be spread over long distances



Going beyond standard filter technology, hydroxyl radicals circulate throughout the room, inhibiting bacteria and viruses both in the air and on surfaces

R290 Chillers



The range at a glance

- 1 version: H (heat pump)
- 4 sizes
- 2 acoustic options: STD (standard) and S (super low noise)



Advantages

- A super eco-friendly unit; employs natural refrigerant R290 with GWP of 3
- Very high performance and improved energy efficiencies
- Smart energy consumption
- Expanded operating limit
- Domestic hot water management
- Compact chassis
- Very quiet operation
- Cascade controller available for multi system operation
- SG ready
- Very low refrigerant charge
- Reliable safety measurements

Equipment

- Fan speed control: all units are equipped with EC fan technology
- Variable speed pump (optional): a variable speed pump can be added to the unit for even greater energy savings
- Controller: this new high standard control system provides excellent pressure control, as well as global and optimised unit management
- Removable panels: great accessibility to internal components for service operations
- Condenser: Highly optimised heat exchanger design enables a refrigerant charge reduction. Lower than 5.0 kg of R290 for the sizes 50 and 60
- Sealed electrical box: non-flammable control box; the core parts are protected with a sealed metallic box
- Electronic expansion valve: this reliable and high performance valve minimises overheating of the evaporator. It is directly managed by the control system
- Modbus RTU, Modbus TCP/IP, BACnet MSTP or BACnet IP
- Leak detector and safety ventilation fans to detect R290 leakages and exhaust refrigerant to atmosphere in the event of a leak
- DHW function available on the controller with DHW probe and 3 way valve available as options

Model No.	P-AQAG0050HA	P-AQAG0060HA	P-AQAG0070HA	P-AQAG0080HA
Capacity	49.2kW	61.1kW	73.5kW	83.6kW

Rooftop Package Units



The range at a glance

- Reversible version
- SEER up to 3.8 and SCOP up to 3.56
- 4 sizes
- Nominal air flow from 19,200 to 25,500 m³/h
- Additional heaters available
- Many supply and return air configurations
- 3 energy recovery system configurations (RECO)

R32
REFRIGERANT



Advantages

- Low GWP R32 refrigerant (GWP = 675)
- Very low sound levels
- Safety ventilation system
- Low energy consumption EC fans
- Thermal/acoustic insulation: double skin (25mm glasswool)
- Dehumidification function (optional)
- 100% factory tested



Equipment

- 2 refrigerant circuits for an optimised defrost logic, completely closed in a separate compartment to reduce noise level. Each circuit comprises of 1 or 2 scroll compressors, indoor and outdoor coils, 4-way reversing valve, filter dryer, sight glass, thermostatic expansion valve, high and low pressure switches, defrosting pressure switch, and temperature sensors.
- 2 scroll compressors - covered with sound jackets. Each compressor is equipped with a crankcase heater and mounted on rubber pads to eliminate noise and vibration transmissions. The motors are equipped with an overload protection and have direct start-up. A phase sequence monitor is supplied as standard.
- The new advanced control system includes, among others, Modbus protocols, optimised defrost logic, very high security envelope, Modbus control of the indoor fans, and a dehumidification function. The controls are grouped and wired in the unit, factory tested and shipped ready to use. They are located in a sealed compartment isolated from the air flow. The electrical equipment is compliant with EC standards and EN60204-1.
- The outdoor and indoor heat exchangers are made of seamless copper tubes mechanically expanded into aluminium fins. They have a highly optimised design providing a refrigerant charge reduction. Outdoor coils are largely dimensioned to optimise performance and defrost cycles. They are also equipped with a protective grille to prevent shocks - Bluefin treatment.
- The unit casing is of heavy-duty galvanized steel, painted with a special anti-corrosion process (RAL 9001). The complete unit is covered with double skin panels to ensure perfect thermal insulation. For full unit access, all service panels are removable. Under the indoor heat exchanger, an extractable condensate drain pan allows hygienic cleaning.
- The indoor fans are plug fan type with EC motors.
- A safety ventilation system ensures venting of the refrigerant gas to atmosphere in case of leak.

Model No.	ECOi-RT-Z 40-50 H	ECOi-RT-Z 105-140 H	ECO1-RT H
Capacity	49.2kW	61.1kW	73.5kW

Panasonic

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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.