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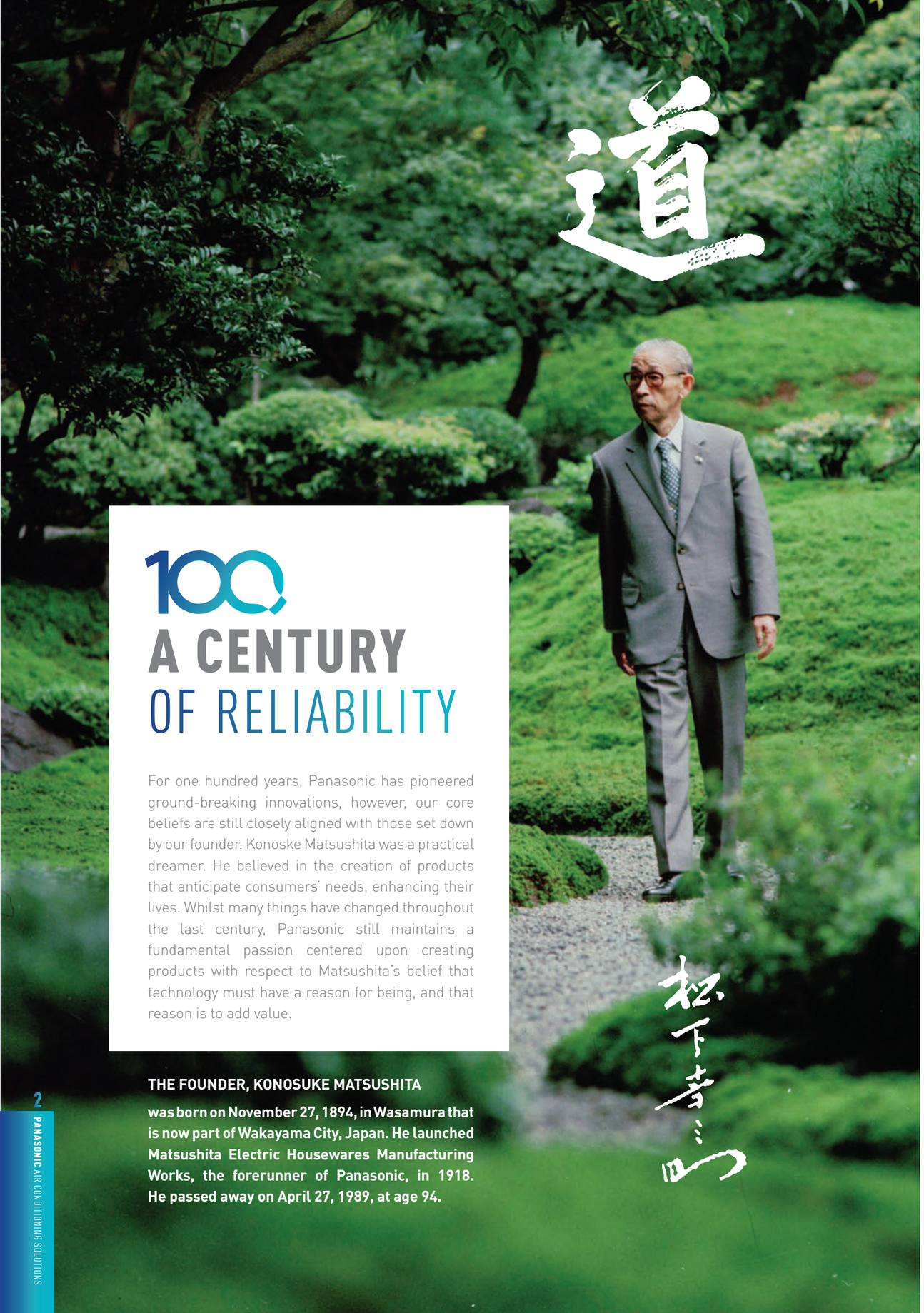
Panasonic
Air Conditioning

AIR CONDITIONING
SOLUTIONS PORTFOLIO



100 A CENTURY OF RELIABILITY

For one hundred years, Panasonic has pioneered ground-breaking innovations, however, our core beliefs are still closely aligned with those set down by our founder. Konoske Matsushita was a practical dreamer. He believed in the creation of products that anticipate consumers' needs, enhancing their lives. Whilst many things have changed throughout the last century, Panasonic still maintains a fundamental passion centered upon creating products with respect to Matsushita's belief that technology must have a reason for being, and that reason is to add value.

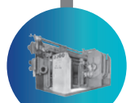
THE FOUNDER, KONOSUKE MATSUSHITA

was born on November 27, 1894, in Wasamura that is now part of Wakayama City, Japan. He launched Matsushita Electric Housewares Manufacturing Works, the forerunner of Panasonic, in 1918. He passed away on April 27, 1989, at age 94.

GLOBALLY TRUSTED AIR CONDITIONING BRAND

Celebrating 60 Years within the Air Conditioning industry, the Panasonic Air Conditioning Division has grown to become a globally recognised and celebrated entity. Driven by an endless quest for innovation, the group has evolved from manufacturing compressors to providing comprehensive solutions to our customers' air conditioning needs. Panasonic has become a brand that possesses inextricable associations with superior quality and reliability.

1958
Panasonic introduces its first home cooler, a window-type Air Conditioner.

1971 
Panasonic begins the production & distribution of Absorption Chillers.

1985
Panasonic introduces their first GHP (Gas Heat Pump) VRF Air Conditioner.

1989
The introduction of the world's first simultaneous, 3-Pipe Heating & Cooling VRF Air Conditioning System, by Panasonic.

1993
With innovation at the heart of the company, in 1993, Panasonic makes a milestone by introducing the world's first large-capacity modular combination VRF Air Conditioning system.

1995
Panasonic moves ahead of the competition and introduces the world's first large-capacity modular combination VRF Air Conditioning system, incorporating heating and cooling.

2016
Panasonic introduces FSV EX (VRF System) that sets new benchmarks for performance, energy efficiency and reliability.

2018
Panasonic leverages its product innovation and expertise through introducing the Panasonic AC Smart Cloud; allowing anytime, anywhere, multiple site control & monitoring.

ONE PANASONIC,
ALL SOLUTIONS

One Panasonic, All Solutions is a concept which draws upon Panasonic's solutions ecosystem, to meet a vast array of applications and needs, such as, Hotels, Restaurants, Retailers, Offices, Schools, Hospitals, Industrial spaces, Homes, etc. A systematic solution to a range of needs, bringing you promised quality in exceeding your expectations.

DELIVERING ECOLOGICALLY
SUSTAINABLE SOLUTIONS

In any indoor environment, eco-friendly air conditioning plays a vital role in maintaining our health, comfort and productivity. Whether it's an office, a hotel, or a shopping mall, every building matters. That's why Panasonic has developed energy-efficient large-scale air conditioning solutions to suit a variety of business applications. As one of the pillars of Panasonic's B2B operations, our air conditioning sector provides comprehensive solutions to businesses around the world.

Harnessing our advanced technology and extensive on-site expertise, we serve clients in a diverse range of environments throughout the world.

Panasonic air conditioning solutions are designed from the ground up to meet the specific needs of each location, whilst placing a premium on efficiency and reliability. At every stage, we seek to make optimal use of resources and energy to create solutions that benefit the environment.

JAPAN

Air Conditioning Division (Appliances Company) Shiga, Japan

PAPARS Gunma, Japan

MALAYSIA

PAPAMY, Malaysia

PAPARADMY, Malaysia

PAPAMY Compressor, Malaysia

PAPAMY Compressor R&D

CHINA

PAPAGZ, Guangzhou and PWAPCGZ Guangzhou

PRDCS, Suzhou

TAIWAN

DSR, Dalian

PTW, Taiwan

INDONESIA

PMI, Indonesia

PHILIPPINES

PMPC, Philippines

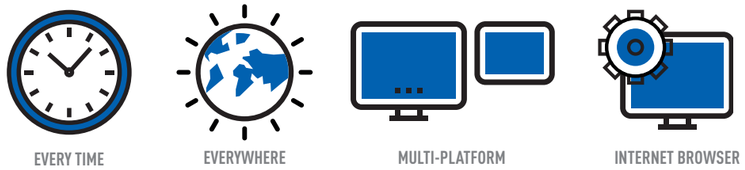
PANASONIC
SMART CLOUD

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

Flexible and scalable solution:
- **Energy saving**
- **Zero downtime**
- **Site(s) management**

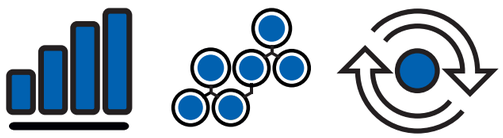
Centralise control of your business premises, from wherever you are, 24/7/365. It doesn't matter how many sites you have, or where they are!

FLEXIBLE SOLUTION FOR YOUR BUSINESS



EVERY TIME | EVERYWHERE | MULTI-PLATFORM | INTERNET BROWSER

SCALABLE SOLUTION FOR YOUR BUSINESS



SMALL TO LARGE | 1 TO MULTI SITES | UPGRADE FEATURES*

USER CUSTOMISATION

Facility Manager: A
Energy optimisation
Schedule management
Multisite monitoring
Maintenance notification

Owner of Hotels
Administrator has a full access

Facility Manager: B
Energy optimisation
Schedule management
Multisite monitoring
Maintenance notification

Facility Manager: C
Energy optimisation
Schedule management
Multisite monitoring
Maintenance notification

*Customised to meet user demand / Upgraded new functions / Upgraded by new products / IT smart management - Available of selected models only, please consult Panasonic for details

KEY FUNCTIONS AND UNIQUENESS

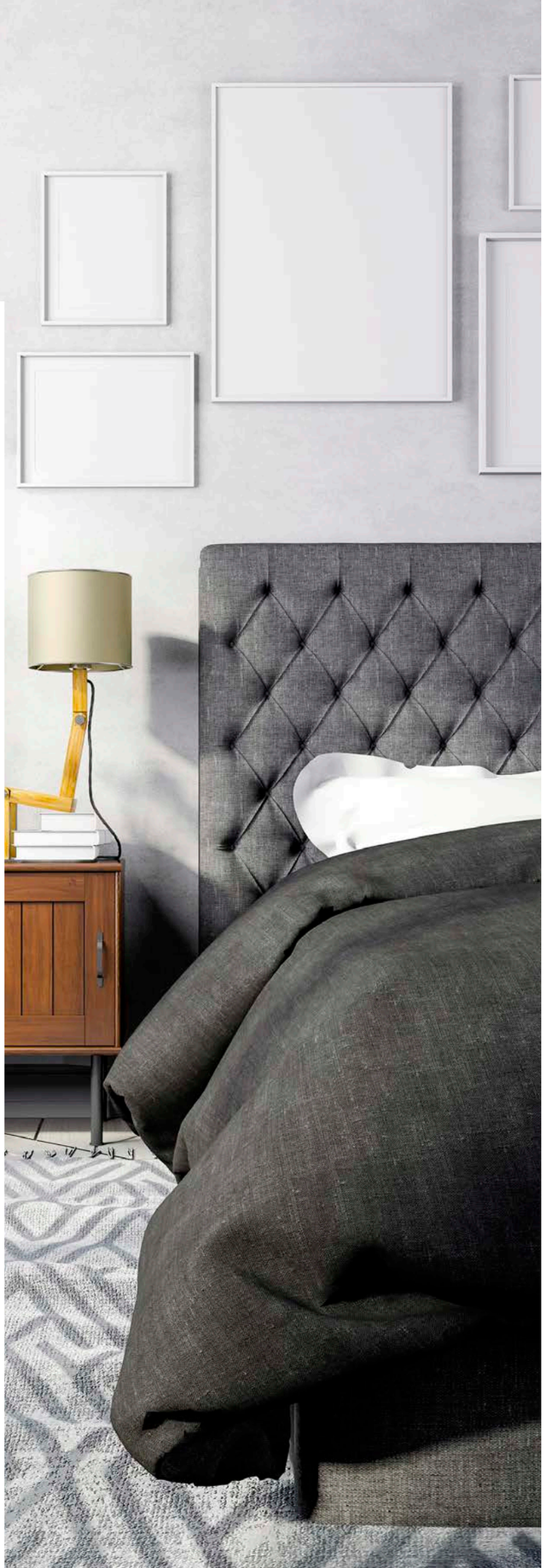
MULTI SIDE MONITORING
It doesn't matter how many sites you have, easy to manage, operate, compare per sites, locations, rooms.

SCHEDULE SETTING
- Weekly / holiday timer setting as you want
- One setting can be copied to other sites

POWERFUL STATISTICS FOR ENERGY SAVINGS
Power consumption, capacity, efficiency level can be compared per different parameters (Yearly / monthly / weekly / daily bases).

MAINTENANCE NOTIFICATION
- Error notification by email and with floor layout
- Maintenance notification of outdoor units

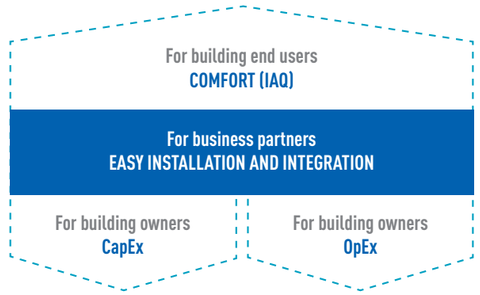
PANASONIC X SCHNEIDER SMART CONNECTIVITY



CONNECT TO THE FUTURE

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

Panasonic, passionately pursuing innovation in energy saving through the application of cutting-edge technology, in collaboration with Schneider Electric, an advanced global energy management specialist offering innovative control solutions, has set the new standard for creating the next generation of contemporary buildings.

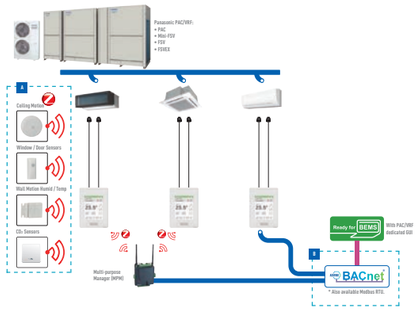


A remote controller is all that's required for occupancy control and optimum automatic indoor air quality (IAQ) control. Simple operation with a rented interface further contributes to increased energy efficiency and productivity for reduced capital expenditure (CapEx) and operating expense (OpEx).

Extremely simple Plug and Play connection to a Building Energy Management System (BEMS) is possible. Compared to the current VRF systems and chillers of other companies, connection is smooth and stress-free, so there's considerably less burden on the system integrator.

AC SMART CONNECTIVITY ADVANTAGES:

- Easy Design and Plug and Play to Reduce CapEx
- Simple Plug and Play PAC/VRF connection to Building Energy
- Management System (BEMS)
- Stand alone or BEMS connected
- PAC/VRF indoor Wired or Wireless connection
- Plug and Play additional ZigBee sensors



PLUG AND PLAY BEMS CONNECTION

With Plug and Play, connection to a BEMS is extremely easy. Better still, a remote controller is all that's needed to enable use as a stand alone system. As well as dramatically reducing the burden on system integrators, this cuts costs.

DRAMATIC REDUCTION OF OpEx WITH OUTSTANDING IAQ

- 2 Built in sensors: Temperature and RH
- ZigBee wireless sensors: CO2, window/door, human presence

ULTIMATE CUSTOMISATION

- Background colour customisable
- Custom display/icons, messages
- Set point boundaries
- Programmable logic (also stand alone)

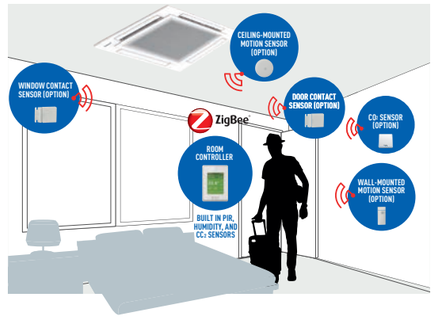
USER-/OWNER-FRIENDLY

- Colour touch screen
- Ease and simply of use
- 20 Languages
- Easy to understand error description

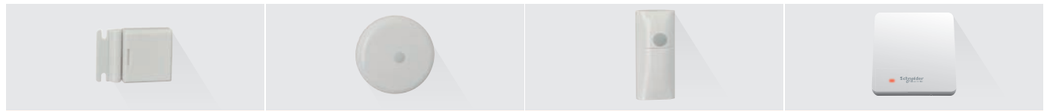
SENSING TECHNOLOGY

The wireless solution using sensors born from the collaboration between Panasonic and Schneider Electric enables easy installation in existing and old buildings in which wiring is difficult (installation in a wired environment is also possible). The result is high-quality occupancy control and automatic IAQ control.

The sensors detect the presence or absence of occupants, and the opening and closing of doors and windows to achieve the most efficient energy management for exceptional air-conditioned comfort. Flexible installation is possible to match different applications and building features such as walls, ceilings and closeness to doors and windows. No wiring means extra installation versatility.



BATTERIES LAST FOR UP TO FIVE YEARS AND ARE EASY TO INSTALL AND REPLACE.



SED-WMS-P-5045 Door/window contact	SED-CMS-P-5045 Ceiling motion sensor	SED-WMS-P-5045	SED-CO2-G-5045 CO_2 Sensor

NOTE: 1. Available of selected models only, please consult Panasonic for details. 2. CO2 sensor availability to be announced.

PANASONIC SMART CONTROL
CENTRALISED AND INDIVIDUAL

CENTRALISED CONTROLLERS

INTELLIGENT CONTROLLER - CZ-256ESMC3 (CZ-CFUNC2)

This controller is the smart solution for your advanced requirement in buildings.

INTUITIVE OPERATION

The screens used for operations all follow a common pattern, with the screens being easy to read and easy to use.

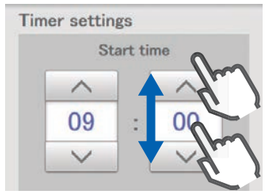
- Enlarged screen (10.4 inch) with colour LDC
- Smartphone-like operations (swiping, flicking)

Large screen display. Enlarged by 60%

Easy swipe or flick operation

Swipe.
This is an operation where the finger is slid in a direction (up or down) on the touch panel. This is used to scroll slowly.

Select.
This is an up and down movement of the finger touching the screen, used to pick settings in elements such as spin boxes.

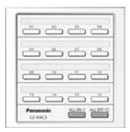


Pull out.
This is an operation where the finger on the touch panel is flicked in a direction (up or down). This is used to scroll quickly.

MAIN NEW FUNCTION

Gesture Function (Flick, Swipe)	✓	Quiet operation of outdoor unit	✓
Graph display (Trends, Comparisons)	✓	Occupant sensor linkage	✓
Web functions (Max.64 users)	✓	Demand function	✓
Recipient setting for warning email (Max.8)	✓	Charge calculator	✓
Automatic return to setting temperature	✓	Log display Warning 10.000 items / Status change 50.000 items)	✓
Limitation of setting temperature range	✓	Linked control Event definition 50 events, Input: 32, Output: 30	✓
Left-on prevention	✓	Under maintenance (under inspection registration)	✓

CENTRALISED CONTROLLERS & ACCESSORIES



ON/OFF CONTROLLER 16 GROUPS, MAX. 64 UNITS CZ-ANC3

SYSTEM CONTROLLER 64 GROUPS, MAX. 64 UNITS CZ-64ESMC3

REMOTE TEMPERATURE SENSOR CZ-CSRC3

ECONAVI SENSOR CZ-CENSC1

nanoeX

NANOEX SENSOR CZ-CNEXU1

SERI-PARA VO UNIT FOR OUTDOOR UNIT CZ-CAPDC2

INTERFACE ADAPTOR CZ-CAPC3

SERI-PARA I/O UNIT FOR EACH INDOOR UNIT CZ-CAPBC2

COMMUNICATION ADAPTOR CZ-CFUNC2

LONWORKS INTERFACE CZ-CLNC2

INDIVIDUAL CONTROLLERS

DELUXE WIRED REMOTE CONTROLLER (CZ-RTC5B)

LARGE 3.5" FULL-DOT LCD WITH WHITE LED BACKLIGHT

STYLISH, EASY-TO-USE TOUCH KEY DESIGN

LARGE 3.5" FULL-DOT LCD WITH WHITE LED BACKLIGHT

Characters and icons are clearly displayed for improved visibility. The display is also large enough to provide a wide range of information for easy confirmation of operation conditions.

STYLISH, EASY-TO-USE TOUCH KEY DESIGN

The elegant, flat design features large touch keys in a simple layout enabling easy, intuitive operation.

ENERGY SAVING

- ECONOVAI on/off*
- Temperature Auto Return
- Temperature Setting Range
- Auto Shutoff
- Schedule peak cut
- Repeat off timer

BACKUP CONTROL BY USING CZ-RTC5B GROUP WIRING OF 2 SYSTEMS CAN AUTO INDIVIDUAL CONTROL

- Rotation operation
- Backup operation
- Support operation

MORE INDIVIDUAL CONTROLLERS

WIRELESS REMOTE CONTROLLER 1 GROUP, 8 UNITS

TIMER REMOTE CONTROLLER (WIRED) 1 GROUP, 8 UNITS CZ-RTC4

LARGE SCALE
RESIDENTIAL & COMMERCIAL SOLUTIONS

2-PIPE MINI-FSV LE1/LE2 SERIES

Cooling or Heating Type 1 phase
Cooling or Heating Type 3 phase

Anti-Corrosion Model*1

FOR SMALL-SCALE COMMERCIAL AND RESIDENTIAL USE

- Wide range of systems from 12.1kW to 25.0kW
- High external static pressure up to 35Pa (LE2, 22.4 & 25.0kW only)
- Top-class EER: 4.50 / COP: 5.19 (12.1kW LE2 only)
- Wide operation range: Cooling: -10°C to 46°C DB, Heating at: -20°C to 18°C DB
- Maximum number of connectable indoor units: 13 (22.4 /25.0kW only)
- Actual piping length: 120m (12.1 /14.0 /15.5kW LE1 only) / 150m (LE2, 22.4 & 25.0kW only)
- Maximum piping length: 150m (12.1 /14.0 /15.5kW LE1 only) / 180m (LE2 only) 300m (22.4 & 25.0kW only)
- Suitable for R22 renewal projects*
  *Refer to Technical Document for further details

*1 LE2 1 Phase, 22.4 / 25.0kW only

2-PIPE FSV-EX ME2 SERIES

Cooling or Heating Type

Anti-Corrosion Model

SPACE-SAVING COMBINATION MODEL

- 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*
  *Refer to Technical Document for further details

Cooling or Heating Type

Anti-Corrosion Model

HIGH EFFICIENCY COMBINATION MODEL

- Wide range of systems from 22.4kW to 180.0kW
- Higher EER than the Space-saving Combination Model
  Refer to Technical Document for further details

3-PIPE FSV MF2 SERIES

Standby for the announcement of the 3-PIPE FSVEX MF3 Series.

Cooling or Heating Simultaneous Type

Anti-Corrosion Model

FOR SIMULTANEOUS HEATING AND COOLING OPERATION

- Wide range of systems from 22.4kW to 118.0kW
- 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 operation 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*
  *Refer to Technical Document for further details

FSV INDOOR UNITS RANGE (TABLE)

Wide choice of models depending on the indoor requirements

Class	22	28	36	45	56	60	73	90	106	112	140	160	180	224	280	Wireless remote control	
	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	Type with built-in sensor	Type with separately installed sensor
Type 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		
F2 type Mid Static Ducted	●	●	●	●	●	●	●	●	●		●	●					●
M1 type Slim Low Static Ducted	●	●	●	●	●												●
Z1 type Slim Low Static Ducted Twenty Series	●	●	●	●	●	●	●										●
E2 type High Static Ducted / Energy Saving High-Fresh Air Ducted													●	●	●		
E1 type High Static Ducted								●		●	●	●					●
K2 type K1 type Wall Mounted	●	●	●	●	●		●		●							●	●
U2 type 4-Way Cassette Panel No. CZ KPU21	●	●	●	●	●	●	●	●	●		●	●				●	●
Y2 type 4-Way Mini Cassette Panel No. CZ KPY3A	●	●	●	●	●											●	●
L1 type 2-Way Cassette Panel No. CZ 02KPL2 Panel No. CZ 03KPL2 (Only for S-73ML1E5)	●	●	●	●	●		●									●	●
D1 type 1-Way Cassette Panel No. CZ KPD2		●	●	●	●		●									●	●
T2 type Ceiling			●	●	●		●		●		●					●	●
P1 type Floor Standing * Only for High Static Ducted	●	●	●	●	●		●										●
R1 type Concealed Floor Standing	●	●	●	●	●		●										●

PANASONIC
VRF DESIGNER

MODELLING LARGE-SCALE CUSTOMISED SOLUTIONS

Panasonic knows that the air conditioning industry is one that places ever-greater emphasis on energy efficiency as well as on speed and precision in customer service. With these goals in mind, we are pleased to announce the launch of the latest generation of our VRF Designer software. This proprietary system design software gives architects, consultants and end users the ability to calculate cooling and heating loads and generate data about the performance of FSV air conditioners under simulated usage conditions.

VRF Designer software allows the user to quickly and easily implement customised selections and design processes. Simple and complex systems alike can be created by utilising the software's system wizards and import tools. Users can drag and drop the icons representing outdoor and indoor units onto the interactive desktop. This enables them, for example, to make graphic installation guides or create realistic floor plans – including detailed piping and wiring schematics – that can be included with quotations sent out to potential clients.

Panasonic VRF DESIGNER

LIGHT TO MEDIUM
RESIDENTIAL & COMMERCIAL SOLUTIONS

INDOOR UNITS

INVERTER · DRED ready · R32 REFRIGERANT · R410A

4-WAY CASSETTE
Provides a neat fit in the ceiling to match modern decor, and uniform cooling throughout the room, plus easy installation.

6.0kW - 14.0kW

MODELS: S-60PU2E5B, S-71PU2E5B, S-100PU2E5B, S-125PU2E5B, S-140PU2E5B

Self-diagnosing function · Automatic Fan Operation · Mild Dry · Intelligent Auto Saving · Automatic Restart Function · Auto Swing (Auto Flap Control) · Built-in drain pump

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

6.0kW - 14.0kW

MODELS: S-60PT2E5B, S-71PT2E5B, S-100PT2E5B, S-125PT2E5B, S-140PT2E5B

Self-diagnosing function · Automatic Fan Operation · Automatic Restart Function · DC Motor

WALL MOUNTED
Providing small, lightweight and low noise level design, it is ideal for small offices and other commercial applications. It also has a stylish smooth design with a washable front panel.

10.0kW

MODELS: S-100PK2E5B

Self-diagnosing function · Automatic Fan Operation · Mild Dry · Intelligent Auto Saving · Automatic Restart Function · Auto Swing (Auto Flap Control) · DC Motor

OUTDOOR UNITS

INVERTER · DRED ready · MEPS COMPLIANT · PRODUCT QUALITY SAFETY

R32 COMPACT MODEL
R32 REFRIGERANT

6.0kW - 7.1kW 10.0kW - 14.0kW

R410A DELUXE MODEL
R410A

6.0kW - 7.1kW 10.0kW - 14.0kW

DUCTED AIR CONDITIONING
RESIDENTIAL & COMMERCIAL SOLUTIONS

SPLITTABLE DUCTED

INVERTER · DRED ready · R410A

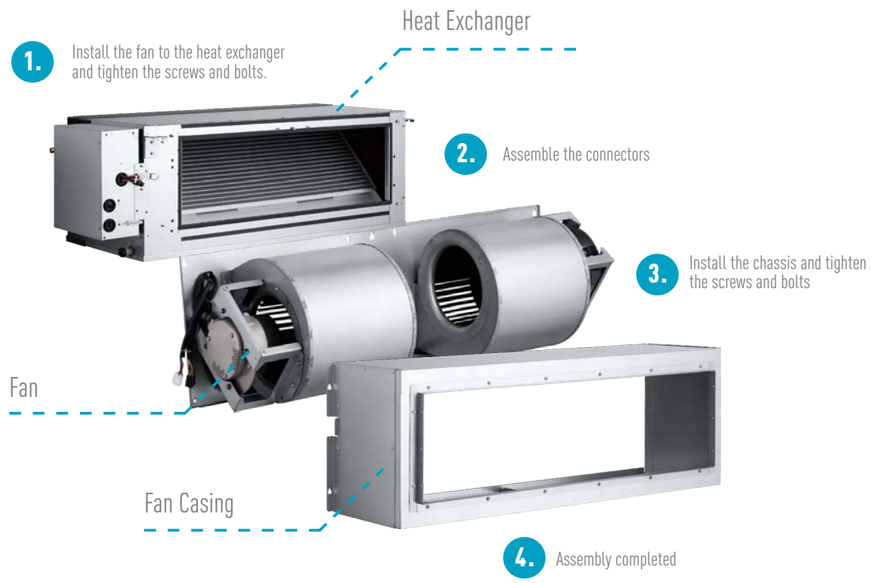
Create comfort faster. The newly designed high static pressure ducted model is improved for a more flexible installation. By dividing the unit into 3 components, the burden of installation is reduced.

* In the case of the S-180PE3R5, S-200PE3R5, and S-224PE3R5.

EASY ASSEMBLY STEPS
Assembly takes three easy steps, even in limited spaces.

EASY INSTALLATION DESIGN
Fits the Roof-space and Your Needs

The newly designed high static pressure ducted consists of 3 components, the heat exchanger, the fan and the fan casing. For easy installation, the unit has been designed to be lifted into the roof via return air grille separated and easily reassembled when in position.



HIGH STATIC PRESSURE SPLITTABLE DUCTED
High static and large airflow ducted for exceptional installation flexibility.

MODELS: S-180PE3R5, S-200PE3R5, S-224PE3R5

Self-diagnosing function · Automatic Fan Operation · Mild Dry · Automatic Restart Function · Built-in drain pump

HIGH STATIC DUCTED

INVERTER · DRED ready · R32 REFRIGERANT · R410A

Self-diagnosing function · Automatic Fan Operation · Mild Dry · Automatic Restart Function · Built-in drain pump

Note: 16.0kW, R410A only.

HIGH STATIC PRESSURE DUCTED
High static and large airflow ducted for exceptional installation flexibility.

6.0kW - 16.0kW

MODELS: S-60PE1R5B, S-71PE1R5B, S-100PE1R5B S-125PE1R5B, S-140PE1R5B, S-160PE1R5A

MID STATIC DUCTED

INVERTER · DRED ready · R32 REFRIGERANT · R410A

Self-diagnosing function · Automatic Fan Operation · Mild Dry · Automatic Restart Function · Built-in drain pump · DC Motor

MID STATIC PRESSURE DUCTED
Provides exceptional performance, super quiet operation and the ultimate in control. A perfect solution when ceiling heights are restricted.

6.0kW - 14.0kW

MODELS: S-60PF1E5B, S-71PF1E5B S-100PF1E5B, S-125PF1E5B, S-140PF1E5B

OUTDOOR UNITS

INVERTER · DRED ready · MEPS COMPLIANT · PRODUCT QUALITY SAFETY

R32 COMPACT MODEL
R32 REFRIGERANT

6.0kW - 7.1kW · 10.0kW - 14.0kW

R410A DELUXE MODEL
R410A

6.0kW - 7.1kW · 10.0kW - 14.0kW · 16.0kW - 22.4kW

SMALL SCALE
RESIDENTIAL & COMMERCIAL SOLUTIONS

INDOOR UNITS - SINGLE OR MULTI

4-WAY MINI-CASSETTE
- Market-leading Energy Efficiency
- Compact Design (260mm High)
- Easy Installation
- Built-in Drain Pump (600mm lift*)
- -15°C to +46°C Operating Range

Controller: CZ-RD52CP

2.5kW - 5.0kW

MODELS: CS-E9SB4RW, CS-E12QB4RW, CS-E18QB4RW, Panel CZ-BT20E

BULKHEAD DUCTED
- Market-leading Energy Efficiency
- Only 370mm Deep
- Easy Installation
- Built-in Drain Pump (200mm lift*)
- -15°C to +46°C Operating Range

2.5kW - 5.0kW

MODELS: CS-E9QD3RW, CS-E12QD3RW, CS-E18QD3RW

ULTRA SLIM DUCTED
- 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

2.5kW - 5.0kW

MODELS: CS-E9SD3RW, CS-E12SD3RW, CS-E18SD3RW

WALL MOUNTED

MODELS: CS-MRE7QKR, CS-MRE9QKR, CS-MRE12QKR, CS-MRE18QKR, CS-MRE21QKR, CS-MRE24QKR

2.0kW - 7.1kW

* Refer to Technical Documents for more details

OUTDOOR UNITS - SINGLE SPLIT

MODELS: CU-E9SD3R, CU-E9QD3R, CU-E9SB4R, CU-E12SD3R, CU-E12QD3R, CU-E12QB4R

MODELS: CU-E18SD3R, CU-E18QD3R, CU-E18QB4R

OUTDOOR UNITS - MULTI SPLIT

5.2kW

MODELS: CU-2E18SBR

5.2kW - 6.8kW

MODELS: CU-3E18SBR, CU-4E23SBR

8.0kW - 10.0kW

MODELS: CU-4E27SBR, CU-5E34SBR

ADVANTAGES OF THE INVERTER MULTI-SPLIT SYSTEM

INDOOR UNIT
- A variety of indoor units
- Market-leading energy efficiency
- Anti-bacterial filter (wall-mounted type only)
- Precise control of individual room temperature

OUTDOOR UNIT
- Space-saving 52% less space than five single split type

Single Split Type CU-2Z25TKR

BIG SPACE SAVINGS

CU-5E34QBR

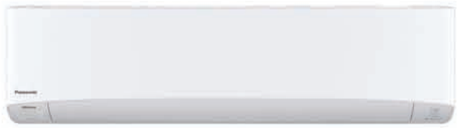
With a single outdoor unit, control up to 5 indoor units. (Maximum)

INVERTER CONTROL
The inverter offers energy-saving efficiency, quick comfort, and flexible power control. Our compressor saves more energy while reducing vibration, noise and unit size.

SINGLE-SPLIT
ROOM AIR CONDITIONING

ECONAVI REVERSE CYCLE (Z-SERIES)

2.5kW - 4.2kW
MODELS: CS-Z25TKR, CS-Z35TKR, CS-Z42TKR



5.0kW - 8.0kW
MODELS: CS-Z50TKR, CS-Z60TKR, CS-Z271TKR, CS-Z80TKR

REVERSE CYCLE (RZ-SERIES)

2.5kW - 3.5kW
MODELS: CS- RZ25TKR, CS-RZ35TKR

5.0kW - 8.0kW
MODELS: CS-RZ50TKR, CS-RZ60TKR, CS-RZ71TKR, CS-RZ80TKR

COOLING ONLY (U-SERIES)

2.5kW - 3.5kW
MODELS: CS-U25TKR, CS-U35TKR

5.0kW - 8.0kW
MODELS: CS-U50TKR, CS-U71TKR, CS-U80TKR

ECONAVI

ECONAVI has two sensors – Human Activity Sensor and Sunlight Sensor. Together, they monitor human location, movement, absence, and sunlight intensity to use energy more efficiently.

Econavi saves you energy because it senses:

- **AREA SEARCH:** Where you are.
- **ABSENCE DETECTION:** When you leave the room.
- **ACTIVITY DETECTION:** When you are less active.
- **SUNLIGHT DETECTION:** Whether it's a sunny day or at night.
- **TEMPERATURE WAVE:** Adapts to rythmic temperature control after detecting low activity level.

INVERTER

INVERTER prevents wasteful energy consumption by varying the compressor rotation speed to maintain the set temperature without sacrificing your comfort.

The Panasonic INVERTER air conditioner varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature. Thus, Panasonic INVERTER air conditioners give you exceptional energy saving performance while ensuring you stay comfortable at all times.

iAUTO-X

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

Fast Cooling

Features twin motorised blades that direct airflow downwards, delivering concentrated cool air to cool down the room faster, providing you with a unique FAST COOLING experience.

AEROWINGS

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

Shower Cooling

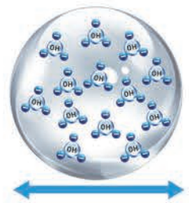
SHOWER COOLING is the feeling that gently washes over you like a cool morning. After reaching the set temperature, AEROWINGS directs airflow upwards to spread cool air evenly across the room, and showers down for endless comfort.

NANOE-G

For overall wellbeing, Panasonic Air Conditioners feature an advanced air purification system called nanoe-G, which releases active ions that attach to particles as small as PM2.5.

How Nanoe-G works:

- Removes airborne particles (Up to 99%*1 *2)
- Deactivates adhesive particles & deodorises adhesive odours (Up to 99%*3)
- In-filter deactivation (Up to 99%*4)



A more connected future CZ-TACG1

Introducing Panasonic's new connectivity solution, the Wifi Adaptor. Retrofitted to your existing or new Panasonic Room Air Conditioner, the adaptor allows you to seamlessly control every facet of your Panasonic Room Air Conditioner.

*To be Announced

VENTILATION FANS
& AIR CURTAINS

VENTILATION FANS

FV-24JR2
(With Motion Sensor)

FV-24JA2

VENTILATION FANS

- Quiet Operation - Low Noise Design
- Energy Saving DC Motor
- Constant Air Volume
- 24 Hour Ventilation
- Built-in Run-On Timer
- Intelligent Motion Sensor (FV-24JR2 only)
- 3 Years Parts & Labour Warranty

Model Name	Electrical Supply	Air Volume (l/s)	Power Consumption (W)	Noise @ 1m [db(A)]	Net Weight (kg)	Installation Cut-out (mm)	Duct Diameter (mm)
FV-24JR2	220V-240V	44	8.0	31			
&	Single Phase	33	5.2	26	2.9	240x240	100
FV-24JA2	50Hz	22	3.6	20			

AIR CURTAINS

900mm - Standard and High Velocity Range

1,200mm - Standard and High Velocity Range

AIR VELOCITY CHART (m/s)
Maximum Value at High Speed

Air Outlet	FY-10ESP / FY-10ELP
1m	4.5 – 5.5
2m	3.0 – 4.0
3m	2.5 – 3.0
4m	1.5 – 2.0

Air Outlet	FY-14ESP / FY-14ELP
1m	7.5 – 8.5
2m	5.5 – 6.5
3m	4.5 – 5.5
4m	3.5 – 4.0
5m	3.0 – 3.5

Model Name	Width (mm)	Depth (mm)	Height (mm)	Input (w)		Outlet Velocity (m/s)		Air Volume (l/s)		Noise [dB(A)] @1.5m		Net Weight (kg)
				High	Low	High	Low	High	Low	High	Low	
FY-10ESP	900	205	226	72	62	13.0	11.1	208	175	46	42	12
FY-10ELP	1200	205	226	96	74	13.1	11.0	278	231	46	42	14
FY-14ESP	900	205	226	257	218	21.9	19.1	372	324	62	59	13
FY-14ELP	1200	205	226	333	290	22.5	20.1	519	463	63	61	15

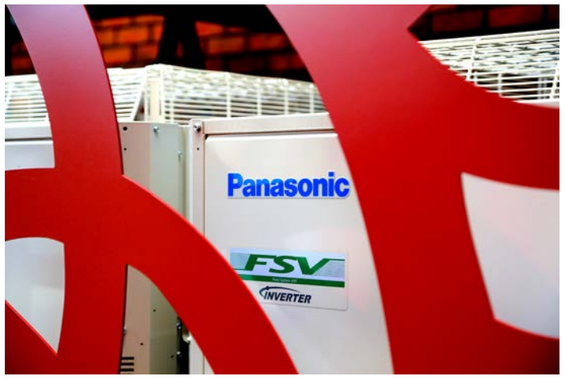
PROJECT
PORTFOLIO

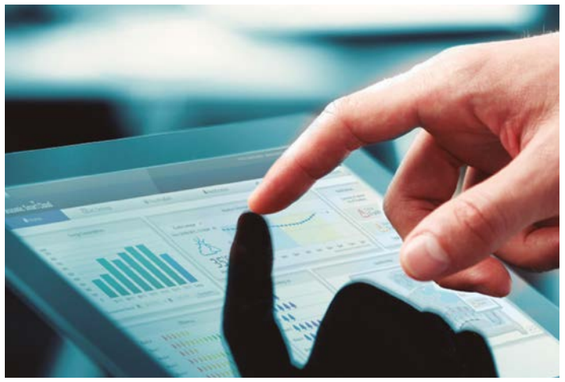
RETAIL
APPLE STORE, BROADWAY

PRODUCT: FSV 2-PIPE
TOTAL COOLING CAPACITY: 22.4kW
SYSTEM DESCRIPTION: Cassettes
NUMBER OF UNITS: 1 Outdoor, 3 Indoor
CONTROLS: Local Controls, Wired

HOTEL
TRAVELODGE, HOBART

PRODUCT: FSV 3-PIPE
TOTAL COOLING CAPACITY: 302kW
SYSTEM DESCRIPTION: High-Static Ducted and Slim & Narrow Ducted
NUMBER OF UNITS: 8 Outdoor, 116 Indoor
CONTROLS: Cloud Controls, Centralised Controller, Wired





EDUCATION
TOOWOOMBA GRAMMAR

PRODUCT: FSV 2-PIPE
TOTAL COOLING CAPACITY: 392kW
SYSTEM DESCRIPTION: Wall Hung, Floor Consoles, Under Ceilings, Small & Large Cassettes
NUMBER OF UNITS: 9 Outdoor, 78 Indoor
CONTROLS: Local Controls: Wired

RESIDENTIAL
MACQUARIE, NSW

PRODUCT: FSV 3-PIPE
TOTAL COOLING CAPACITY: 741kW
SYSTEM DESCRIPTION: Mid-Static Ducted
NUMBER OF UNITS: 24 Outdoor, 144 Indoor
CONTROLS: Centralised Controller, Wired Local Controller