Panasonic
BUSINESS

NEW PRODUCTS 2019 — 2020

THE WORLD OF HEATING AND COOLING
IS CHANGING WITH PANASONIC

heating & cooling solutions

PANASONIC: ECO & SMART IDEAS FOR A SUSTAINABLE LIFESTYLE

A better life, a better world.
Panasonic is creating a safe and secure society with clean energy.

Solar Power Generator
HIT solar cells achieve maximum output even on smaller roofs.

Home AV
Panasonic offers a wide range of energy saving home equipment to fulfil a sustainable and comfortable lifestyle.

Heat Pump
The Aquarea Heat Pump is part of a new generation of heating systems that use a renewable, free energy source: air, to heat or cool the home and to produce hot water.

Fuel Cell
The Panasonic Fuel Cell is an energy-creating device, which generates electricity and heat at the same time with chemical reaction between hydrogen extracted from natural gas and oxygen.

Solar Power Generator
Our mobility space can be connected to our HIT solar panels – with the help from our storage batteries.

LED Lamps
Expertise gathered over years of research and development has enabled Panasonic to provide a renaissance in energy saving home LED lighting.

Home Appliances
Panasonic is globally committed to develop products with minimised environmental impact. Panasonic delivers home appliances such as refrigerators and washing machines that incorporate the latest energy-efficient technology.

Storage Battery
The battery stores the energy generated by a combination of solar power and fuel cells to ensure a constant supply of electricity on demand.
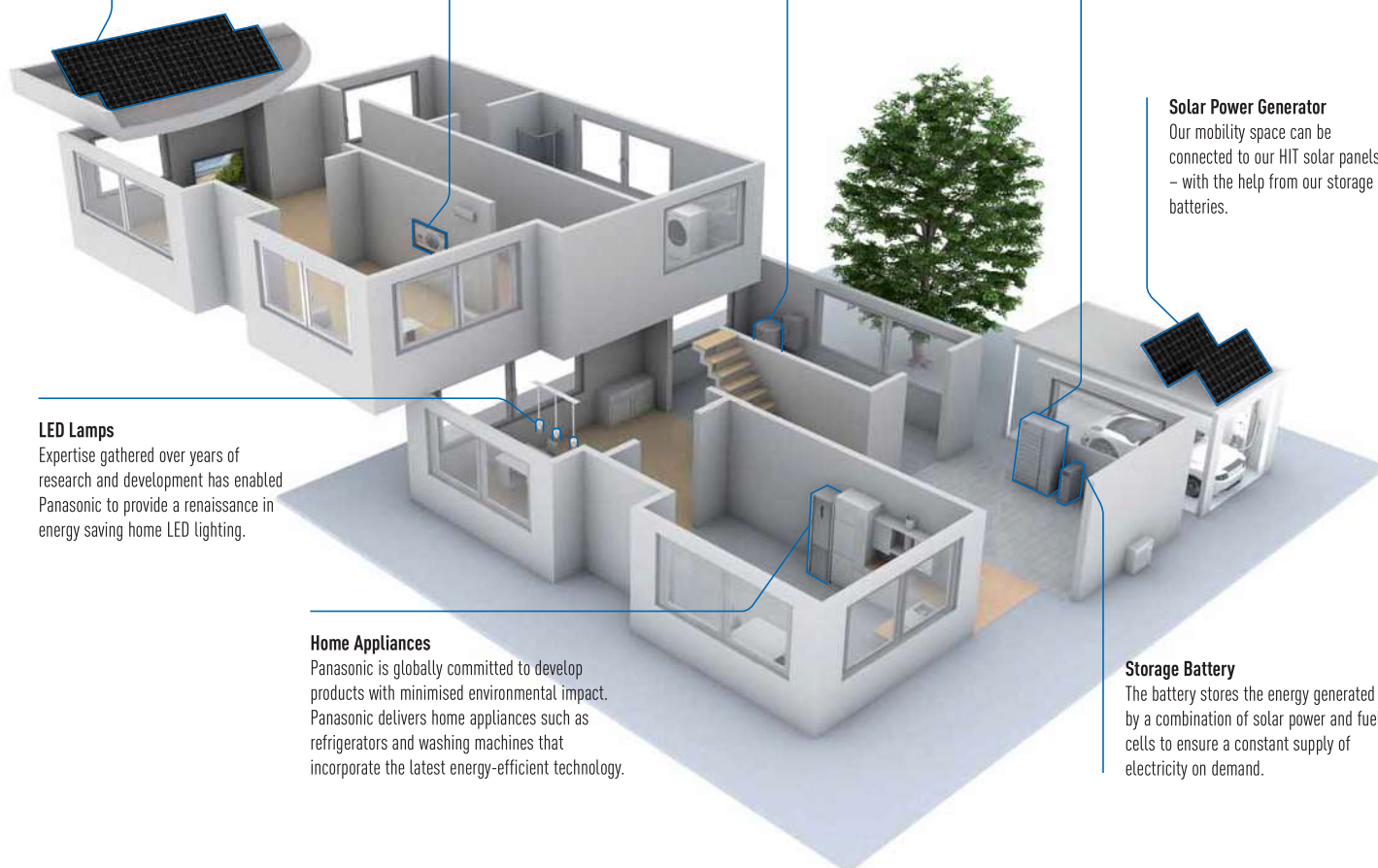
A DESIRE TO CREATE THINGS OF VALUE

"Recognising our responsibilities as industrialists, we will devote ourselves to the progress and development of society and the well-being of people through our business activities, thereby enhancing the quality of life throughout the world."

Panasonic Corporation's Basic Management Objective, formulated in 1929 by the company's founder, Konosuke Matsushita.

Panasonic: celebrating two major milestones in 2018.

100th Anniversary

Panasonic Corporation, 100th anniversary

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

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

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

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

1958
First room air conditioner launched for domestic installation.

Panasonic Heating and Cooling, 60th anniversary

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

60th Anniversary
heating & cooling solutions

1971
Starts production of absorption chillers.

1973
Panasonic launches the first highly efficient air-to-water heat pump in Japan.

1975
Panasonic becomes the first Japanese air conditioner manufacturer in Europe.

1985
Introduces first GHP (gas heat pump) VRF air conditioner.

1989
Introduces world's first simultaneous 3-Pipe heating/cooling VRF System.

2008
Etherea new concept: high efficiency and high performances with a great design.

2010
New Aquarea. Panasonic introduces Aquarea, an innovative new, low-energy system in Europe.

2012
New GHP units. Pansonic's gas-driven VRF Systems are ideal for projects where power restrictions apply.
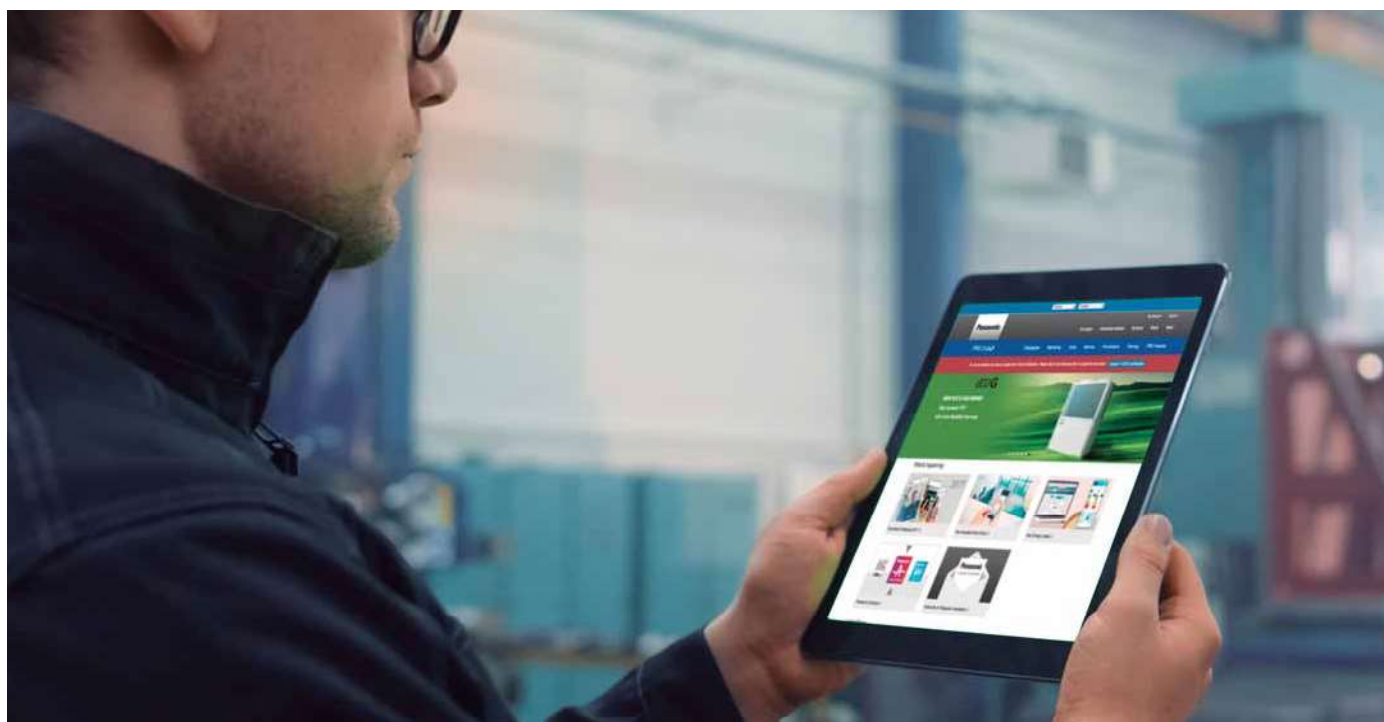
2016
New VRF Systems ECOi EX with extraordinary energy-saving performance.

Looking ahead
The first Hybrid System with VRF and GHP in Europe.

PRO CLUB. THE PROFESSIONAL WEBSITE OF PANASONIC

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

VRF Designer

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

Aquarea Designer

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

Panasonic helps you to calculate the system label

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

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

Panasonic, a partner with the knowledge and experience to achieve your objectives and green needs.

Integrated technology that permits better work, easy installation, high efficiency performance, and energy savings

Our main targets are the distributed services and B2B-integrated solutions.

Panasonic provides a single point of contact for the design and maintenance of your system, making things easy for you.

Given our experience in processes, technologies and complex business models, we can offer you effective solutions that reduce costs, whilst also being efficient, user-friendly, reliable and innovative.

Another advantage we offer to our clients is a support service for systems integration projects, which we provide through our wide range of services and solutions. As a global company, we have at our disposal the financial, logistical and technical resources to develop complex and wide-ranging solutions, both at country and international level by implementing them both on-time and on-budget.

Passive house in Tychowo near Stargard Szczecinski, Poland. **Aquarea**

New Hotel Monument 5*GL is located in an 1896 palace. Barcelona, Spain. **ECOi and E-Control**

New IKEA "Click and Collect" store in city centre. Birmingham, UK. **ECOi - ECO G**

21 of the 5-6 bedroom luxury homes in Straffan Co.Kildare, Ireland. **Aquarea**

Andalucia Technology Park. Offices of high energetic efficiency. Spain. **ECOi**

The latest glamorous Burger & Lobster restaurant in Bath. UK. **Aquarea**

Madrid's new hotel Only You Atocha. The hotel has 206 rooms distributed over seven floors. **ECO G**

Lo + Fit Galapagar Gym. Madrid, Spain. VRF, **PACi, AHU**

Marina Village Greystones. 205 apartments and 153 houses. Ireland. **Aquarea**

The Hat, a modern hostel in Madrid. Spain. **ECO G**

Zalando's solution for its warehouse office conversion at Grand Canal Quay, Dublin. **ECOi**

Lock Building, offices for media giant Viacom. Camden, London, UK. **ECOi**

To find out more: www.aircon.panasonic.eu

PANASONIC DOMESTIC AIR TO AIR HEAT PUMP

Panasonic has developed a range of products designed for you, better than ever before. Above all, it is also a range for air conditioning professionals, such as yourself, thanks to its broad range of products which are capable of conditioning rooms of all sizes – always with optimal efficiency and incomparable ease of installation.

R32 full domestic range.

All Domestic has transformed to R32 with excellent performance. Panasonic has not just fully adapted to new refrigerant, the new units has been design to maximize the advantages of new refrigerant from Wall, to Cassette, Hide Away, Floor Console and Multi Split Systems.

Etherea stylish and outstanding features.

Highest energy class A+++ in both heating and cooling, purifies the air with advance purifying nanoe™ X system with imperceptible 19dB(A). New Etherea VKE is equipped with built-in WLAN for internet control and monitoring, by using Panasonic Comfort Cloud App.

Purifying air we breath.

Panasonic systems are equipping different technologies to purify and clean the air. Anti allergy nanoe™ X and PM2,5 filters are some examples to take care of the air we breathe.

Stylish Floor Console.

The R32 Floor Console has been designed for European market from Scratch. Floor Consoles purifies the air with nanoe™ X, quiet operation, high efficiency, new design control remote and accurate design are its attributes.
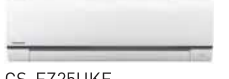
Floor Console awarded with the prestigious IF Design Award 2019.

Panasonic Comfort Cloud control.

Panasonic Comfort Cloud control, with completely new user interface and controlling all domestic functions.
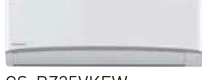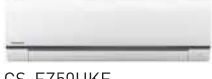
DOMESTIC AIR CONDITIONER RANGE R32

Page	Indoor units	1,60kW	2,00kW	2,50kW
P. 42	Wall Mounted Heatcharge VZ Inverter+ • **R32 Gas**			CS-VZ9SKE
P. 44	**NEW** Wall Mounted Etherea Inverter+ Silver • **R32 Gas**[1]		CS-XZ20VKEW	CS-XZ25VKEW
P. 44	**NEW** Wall Mounted Etherea Inverter+ Pure White Matt • **R32 Gas**[1]	CS-MZ16VKE[2]	CS-Z20VKEW	CS-Z25VKEW
P. 46	Wall Mounted TZ Compact Style • **R32 Gas**[1]	CS-MTZ16TKE[2]	CS-TZ20TKEW-1	CS-TZ25TKEW-1
P. 48	**NEW** Wall Mounted RZ Compact Style • **R32 Gas**[1]	CS-MRZ16VKE[2]	CS-RZ20VKEW	CS-RZ25VKEW
P. 49	Wall Mounted FZ Type Standard Inverter • **R32 Gas**			CS-FZ25UKE
P. 50	**NEW** Wall Mounted UZ Type Standard Inverter • **R32 Gas**			CS-UZ25VKE
P. 51	**NEW** Wall Mounted PZ Type Standard Inverter • **R32 Gas**			CS-PZ25VKE
P. 52	**NEW** Wall Mounted DZ Type Standard Inverter • **R32 Gas**			CS-DZ25VKE
P. 53	Wall Mounted Professional Inverter -20°C • **R32 Gas**			CS-Z25TKEA
P. 55	Floor Console Type Inverter+ • **R32 Gas**[1]		CS-MZ20UFEA[2]	CS-Z25UFEAW
P. 56	4 Way 60x60 Cassette Standard Inverter • **R32 Gas**[1]		CS-MZ20UB4EA[2]	CS-Z25UB4EAW
P. 57	Low Static Pressure Hide Away Standard Inverter • **R32 Gas**[1]		CS-MZ20UD3EA[2]	CS-Z25UD3EAW

1) Indoor units available for Free Multi Z and E combinations. 2) Indoor units only available only for Free Multi Z and E combinations.

Page	Free Multi Outdoors	3,20~6,00kW	3,20~6,00kW	3,20~7,70kW	4,50~9,50kW	4,50~11,20kW	4,50~11,50kW	4,50~14,70kW	4,50~18,30kW
P. 60	Outdoor unit Free Multi System Z • **R32 Gas**	CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE

3,50kW	4,20kW	5,00kW	6,00kW	7,10kW
CS-VZ12SKE				
CS-XZ35VKEW		CS-XZ50VKEW		
CS-Z35VKEW	CS-Z42VKEW	CS-Z50VKEW		CS-Z71VKEW
CS-TZ35TKEW-1	CS-TZ42TKEW-1	CS-TZ50TKEW	CS-TZ60TKEW	CS-TZ71TKEW
CS-RZ35VKEW	CS-RZ42VKEW	CS-RZ50VKEW	CS-RZ60VKEW	CS-RZ71VKEW
CS-FZ35UKE		CS-FZ50UKE	CS-FZ60UKE	
CS-UZ35VKE		CS-UZ50VKE		
CS-PZ35VKE		CS-PZ50VKE		
CS-DZ35VKE		CS-DZ50VKE		
CS-Z35TKEA	CS-Z42TKEA	CS-Z50TKEA		CS-Z71TKEA
CS-Z35UFEAW		CS-Z50UFEAW		
CS-Z35UB4EAW		CS-Z50UB4EAW	CS-Z60UB4EAW	
CS-Z35UD3EAW		CS-Z50UD3EAW	CS-Z60UD3EAW	

Page	Multi Wall TZ Outdoors	3,20 ~ 6,00kW	3,20 ~ 7,70kW	4,50 ~ 9,50kW
P. 62	Outdoor unit Multi TZ for wall TZ indoors • R32 Gas	CU-2TZ41TBE	CU-2TZ50TBE	CU-3TZ52TBE

HEATCHARGE. ENERGY CHARGE SYSTEM

heatcharge

Energy class A +++ and offers maximum comfort and energy savings. This powerful air heat pump is designed for commercial and residential climate that places extremely high demands on the heating system.

Heating power and efficiency

· Energy Charge System. Heat storage unit which features Non-Stop heating and fast heating function
· nanoe™ air purifying system
· More powerful airflow to quickly reach the desired temperature

Panasonic's new 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

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

STOP HEATING OPERATION

Waste heat   Defrosting

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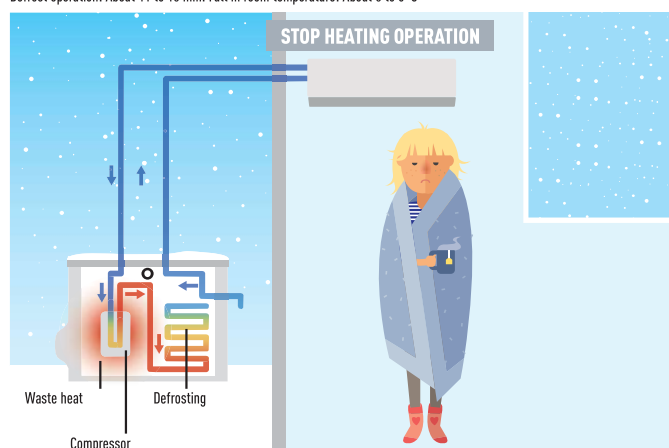
Heatcharge. The room is thoroughly warmed.
Defrost operation: About 5 to 6 min. Fall in room temperature: About 1 to 2°C

KEEP HEATING OPERATION

Heat storage   Defrosting by
components   stored heat

Compressor
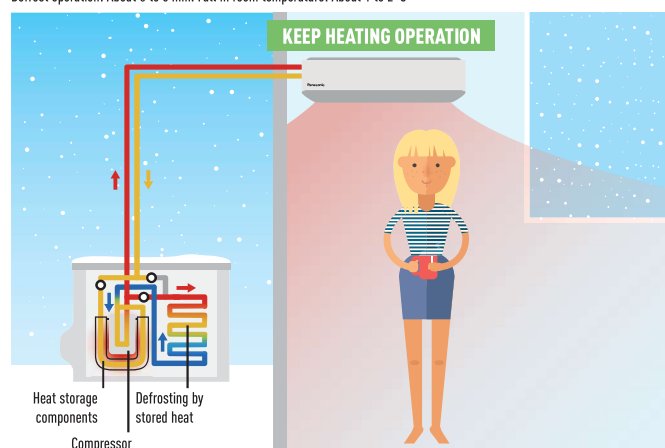
* Defrost operation time and how low room temperature falls differ depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* Output air temperature falls during defrost operation. How low room temperature 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.

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

Wall Mounted Heatcharge VZ Inverter+ • R32 Gas

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]			10,50 A+++	10,00 A+++
Pdesign (cooling)		kW	2,50	3,50
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	5,04
Heating capacity at -7°C		kW	5,00	5,60
COP at -7°C [2]		W/W	2,07	2,00
SCOP [1]			6,20 A+++	5,90 A+++
Pdesign at -10°C		kW	3,60	4,20
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 indoor / outdoor		mm²	4 x 1,5	4 x 1,5
Air volume	Cool / Heat (Hi)	m³/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)	m³/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) / CO_2 Eq.		kg / T	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
Lowest outdoor temperature tested by 3rd party laboratory [7]		°C	-35	-35
Kit Price		€		
Indoor unit Price		€		
Outdoor unit Price		€		

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control	
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		Price €
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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. 7) Tested by 3rd party laboratory, SP, according to EN14511:2013 and SP Method 1721, this temperature is not guaranteed by Factory.

R32 | A+++ 10,50 SEER | A+++ 6,20 SCOP | 38% ECONAVI | INVERTER+ | R2 ROTARY COMPRESSOR | nanoe | 18dB(A) | -35°C HEATING MODE TESTED BY SP | SUMMER HOUSE | R22 R410A ↔ R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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.

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.

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ETHEREA HAS AN ASTONISHINGLY SLIM DESIGN

ETHEREA

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

1   Built-in WLAN

Ready to connect the unit to internet to be controlled by smartphone with Panasonic Comfort Cloud App. Control, monitor, easy schedule with easy interface.

2   Even cleaner air with nanoe™ X

New nanoe™ X is an outstanding air purifying bringing much higher performance for better indoor air quality.

A+++

3   Simple but elegant design

To suit European interior, we design the indoor to be simple and clean. Elegant finishing with white matt or silver color.

4   New wireless control

Enjoy innovative design at your fingertips with the new stylish and sleek Backlit Sky Controller. Bigger screen and easier to use.

Etherea maximum savings, outstanding efficiency A+++

Highest energy class. 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.

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

Using 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.

G   A+++

1,00kW → 1,00kW   1,00kW → 4,90kW
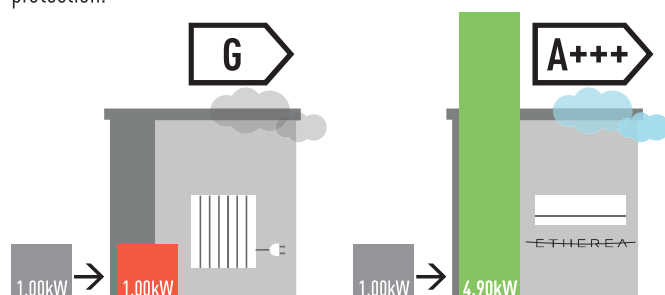
* SCOP on heating mode for KIT-XZ25-VKE and KIT-Z25-VKE compared with electrical heaters at +7°C.

NEW
2019
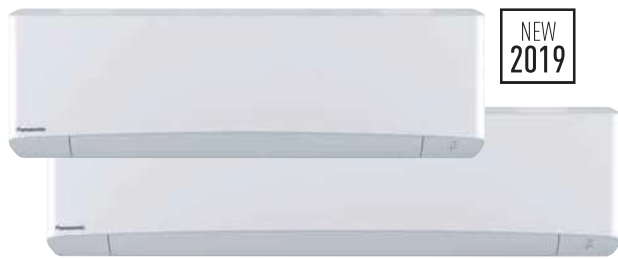
Silver

CZ-TACG1
Built-in WLAN Panasonic Comfort Cloud for internet control.

NEW Wall Mounted Etherea Inverter+ Silver / Pure White Matt • R32 Gas

			KIT-XZ20-VKE	KIT-XZ25-VKE	KIT-XZ35-VKE	—	KIT-XZ50-VKE	—
Kit Silver								
Kit Pure White Matt			KIT-Z20-VKE	KIT-Z25-VKE	KIT-Z35-VKE	KIT-Z42-VKE	KIT-Z50-VKE	KIT-Z71-VKE
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)	4,81 (3,54 - 4,05)	4,07 (3,54 - 3,70)	3,39 (3,27 - 3,18)	3,55 (3,50 - 3,08)	3,27 (2,33 - 2,93)
SEER [2]			7,50 A++	8,50 A+++	8,50 A+++	6,90 A++	7,90 A++	6,50 A++
Pdesign (cooling)		kW	2,10	2,50	3,50	4,20	5,00	7,10
Input power cooling	Nominal (Min - Max)	kW	0,45 (0,24 - 0,56)	0,52 (0,24 - 0,79)	0,86 (0,24 - 1,08)	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 - 5,50)	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	3,20	4,11	4,80	6,31
COP [1]	Nominal (Min - Max)	W/W	4,52 (3,89 - 4,04)	4,79 (4,44 - 3,97)	4,35 (4,44 - 3,72)	3,68 (4,21 - 3,51)	4,03 (2,88 - 3,16)	3,66 (2,45 - 3,46)
SCOP [2]			4,70 A+++	5,10 A+++	5,10 A+++	4,00 A+	4,70 A++	4,20 A+
Pdesign at -10°C		kW	2,10	2,70	2,80	3,60	4,20	5,50
Input power heating	Nominal (Min - Max)	kW	0,62 (0,18 - 0,99)	0,71 (0,18 - 1,26)	0,92 (0,18 - 1,48)	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	769	1260	1251	1833
Indoor unit Silver			CS-XZ20VKEW	CS-XZ25VKEW	CS-XZ35VKEW	—	CS-XZ50VKEW	—
Indoor unit Pure White Matt			CS-Z20VKEW	CS-Z25VKEW	CS-Z35VKEW	CS-Z42VKEW	CS-Z50VKEW	CS-Z71VKEW
Power source		V	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20
Connection indoor / outdoor		mm²	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	m³/min	9,9 / 10,7	10,2 / 11,2	11,0 / 12,0	11,2 / 12,0	19,1 / 20,5	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-Z20VKE	CU-Z25VKE	CU-Z35VKE	CU-Z42VKE	CU-Z50VKE	CU-Z71VKE
Air volume	Cool / Heat	m³/min	26,9 / 24,1	28,7 / 27,2	30,6 / 30,6	31,3 / 30,9	39,8 / 36,9	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	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	27	31	31	31	42	50
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 ~ 30	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) / CO_2 Eq.		kg / T	0,70 / 0,473	0,85 / 0,574	0,85 / 0,574	0,89 / 0,601	1,15 / 0,776	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
Kit Silver Price		€				—		—
Indoor unit Silver Price		€				—		—
Kit Pure White Matt Price		€						
Indoor unit Pure White Matt Price		€						
Outdoor unit Price		€						

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

Accessories		Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console	

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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A+++ 8,50 SEER | A+++ 5,10 SCOP | INVERTER+ | R2 ROTARY COMPRESSOR | nanoeX | 19dB(A) | HUMIDITY CONTROL MILD DRY | AEROWINGS | R22 R410A / R32 | R22/R410A RENEWAL | INTEGRATION TO P-LINK | BUILT-IN WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-XZ25-VKE, KIT-XZ35-VKE, KIT-Z25-VKE and KIT-Z35-VKE. SUPER QUIET: For KIT-XZ20-VKE, KIT-XZ25-VKE, KIT-XZ35-VKE, KIT-Z20-VKE, KIT-Z25-VKE and KIT-Z35-VKE. INTERNET CONTROL: Built-in WLAN.

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.

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WALL MOUNTED TZ COMPACT STYLE

The perfect air conditioner for the smallest spaces in your home.
New TZ with R32 GAS powerful and efficient.

TZ Inverter models powerful and efficient

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

TZ compact indoor size

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

799mm

Silent ambient and relaxing atmosphere 20dB(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 20dB(A)* for a comfortable night's sleep.

Noise is 7dB(A) quieter than during regular operation.

Panasonic

20dB(A) **20dB(A)**   40dB(A) **47dB(A)**

As quiet as the sound of leaves on a tree

As quiet as a library
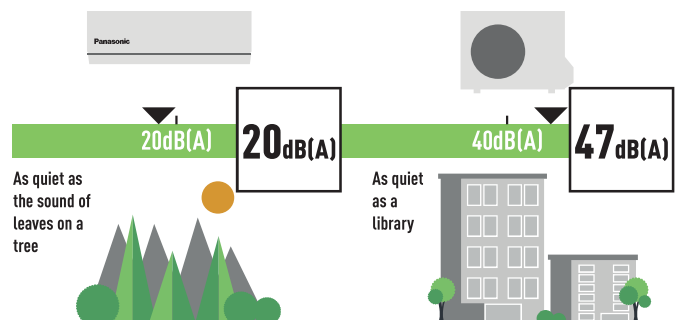
* KIT-TZ20-TKE, KIT-TZ25-TKE and KIT-TZ35-TKE: In the Quiet Mode during cooling operation with low fan speed.

PM2,5

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.

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

Wall Mounted TZ Compact Style • R32 Gas

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)	3,85 (3,40 - 3,41)	3,57 (3,33 - 3,36)	3,36 (3,21 - 2,80)	3,40 (3,44 - 3,24)	3,26 (3,50 - 2,98)	3,17 (2,33 - 3,03)
SEER [2]			6,80 A++	6,90 A++	6,70 A++	6,30 A++	6,80 A++	6,50 A++	6,10 A++
Pdesign (cooling)		kW	2,00	2,50	3,50	4,20	5,00	6,30	7,10
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)	4,18 (4,10 - 3,66)	4,04 (4,00 - 3,70)	3,73 (4,00 - 3,33)	3,77 (2,88 - 3,39)	3,44 (2,88 - 3,15)	3,51 (2,45 - 3,47)
SCOP [2]			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	1,90	2,40	2,80	3,60	4,00	4,60	5,50
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	m³/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		mm²	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	m³/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) / CO_2 Eq.		kg / T	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
Kit Price		€							
Indoor unit Price		€							
Outdoor unit Price		€							

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control	
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console	

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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32   A++ 6,90 SEER   A++ 4,60 SCOP   INVERTER   R2 ROTARY COMPRESSOR   PM2,5 FILTER   20dB(A)   AEROWINGS   R22 R410A / R32 R22/R410A RENEWAL   INTEGRATION TO P-LINK   OPTIONAL WLAN   BMS CONNECTIVITY   5 YEARS COMPRESSOR WARRANTY

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.

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.com.

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NEW
2019

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

NEW Wall Mounted RZ Compact Style • R32 Gas

Kit			KIT-RZ20-VKE	KIT-RZ25-VKE	KIT-RZ35-VKE	KIT-RZ42-VKE	KIT-RZ50-VKE	KIT-RZ60-VKE	KIT-RZ71-VKE
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	3,92 (3,00 – 3,87)	3,79 (3,40 – 3,37)	3,50 (3,33 – 3,28)	3,33 (3,21 – 2,79)	3,40 (3,44 – 3,24)	3,26 (3,50 – 2,98)	3,17 (2,33 – 3,03)
SEER [2]			6,40 A++	6,40 A++	6,20 A++	5,80 A+	6,80 A++	6,50 A++	6,10 A++
Pdesign (cooling)		kW	2,00	2,50	3,50	4,20	5,00	6,30	7,10
Input power cooling	Nominal (Min – Max)	kW	0,51 (0,25 – 0,62)	0,66 (0,25 – 0,89)	1,00 (0,26 – 1,19)	1,26 (0,27 – 1,65)	1,47 (0,29 – 1,73)	1,93 (0,28 – 2,38)	2,24 (0,42 – 2,67)
Annual energy consumption [3]		kWh/a	109	137	198	253	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	4,03 (3,78 – 3,46)	4,13 (4,10 – 3,63)	3,81 (4,00 – 3,59)	3,70 (4,00 – 3,32)	3,77 (2,88 – 3,39)	3,44 (2,88 – 3,15)	3,51 (2,45 – 3,47)
SCOP [2]			4,10 A+	4,20 A+	4,20 A+	3,80 A	4,30 A+	4,20 A+	4,00 A+
Pdesign at -10°C		kW	1,90	2,40	2,80	3,60	4,00	4,60	5,50
Input power heating	Nominal (Min – Max)	kW	0,67 (0,19 – 1,04)	0,80 (0,20 – 1,13)	1,05 (0,20 – 1,42)	1,35 (0,20 – 2,05)	1,54 (0,34 – 2,30)	2,09 (0,34 – 2,70)	2,45 (0,40 – 2,85)
Annual energy consumption [3]		kWh/a	649	800	933	1326	1302	1533	1925
Indoor unit			CS-RZ20VKEW	CS-RZ25VKEW	CS-RZ35VKEW	CS-RZ42VKEW	CS-RZ50VKEW	CS-RZ60VKEW	CS-RZ71VKEW
Air volume	Cool / Heat	m³/min	10,0 / 10,7	10,9 / 11,3	11,4 / 12,5	12,1 / 12,9	19,5 / 20,8	20,8 / 21,4	22,1 / 22,9
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-RZ20VKE	CU-RZ25VKE	CU-RZ35VKE	CU-RZ42VKE	CU-RZ50VKE	CU-RZ60VKE	CU-RZ71VKE
Power source		V	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	16	20
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5
Air volume	Cool / Heat	m³/min	31,2 / 29,7	30,0 / 28,9	28,7 / 29,7	31,3 / 30,9	32,7 / 31,9	42,6 / 41,5	44,7 / 45,9
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	26	26	31	31	35	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) / CO₂ Eq.		kg / T	0,58 / 0,392	0,67 / 0,452	0,77 / 0,520	0,87 / 0,587	1,14 / 0,770	1,15 / 0,776	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
Kit Price		€							
Indoor unit Price		€							
Outdoor unit Price		€							

Accessories	Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32   A++ 6,80 SEER   A+ 4,30 SCOP   INVERTER   R2 ROTARY COMPRESSOR   DUST COLLECTION FILTER   20dB(A)   AEROWINGS   R22 R410A / R32 R22/R410A RENEWAL   INTEGRATION TO P-LINK   OPTIONAL WLAN   BMS CONNECTIVITY   5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-RZ50-VKE. SUPER QUIET: For KIT-RZ20-VKE, KIT-RZ25-VKE and KIT-RZ35-VKE. INTERNET CONTROL: Optional.

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

Wall Mounted FZ Type Standard Inverter • R32 Gas

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)	3,18 (3,33 – 3,05)	3,03 (3,44 – 2,90)	3,24 (3,50 – 2,96)
SEER [2]			6,20 A++	6,10 A++	6,50 A++	6,20 A++
Pdesign (cooling)		kW	2,50	3,40	5,00	6,30
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)	3,66 (4,10 – 3,41)	3,42 (2,80 – 3,06)	3,51 (2,88 – 3,11)
SCOP [2]			4,10 A+	4,10 A+	3,90 A	3,90 A
Pdesign at -10°C		kW	1,90	2,40	4,00	4,60
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		mm²	4 x 1,5	4 x 1,5	4 x 2,5	—
Air volume	Cool / Heat	m³/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	m³/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) / CO_2 Eq.		kg / T	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
Kit Price		€				
Indoor unit Price		€				
Outdoor unit Price		€				

Accessories		Price €	Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control		CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console	
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 sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A++ 6,50 SEER | A 3,90 SCOP | INVERTER | R2 ROTARY COMPRESSOR | PM2,5 FILTER | 20dB(A) | R22 R410A → R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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.

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NEW
2019

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

NEW Wall Mounted UZ Type Standard Inverter • R32 Gas

Kit			KIT-UZ25-VKE	KIT-UZ35-VKE	KIT-UZ50-VKE
Cooling capacity	Nominal (Min – Max)	kW	2,50 (0,85 – 3,00)	3,30 (0,85 – 3,80)	5,00 (0,98 – 5,40)
EER [1]	Nominal (Min – Max)	W/W	3,68 (3,40 – 3,33)	3,20 (3,33 – 3,06)	3,03 (3,44 – 2,90)
SEER [2]			6,20 A++	6,10 A++	6,50 A++
Pdesign (cooling)		kW	2,50	3,30	5,00
Input power cooling	Nominal (Min – Max)	kW	0,68 (0,25 – 0,90)	1,03 (0,26 – 1,24)	1,65 (0,29 – 1,86)
Annual energy consumption [3]		kWh/a	141	189	269
Heating capacity	Nominal (Min – Max)	kW	3,00 (0,80 – 3,50)	3,70 (0,80 – 4,30)	5,40 (0,98 – 7,50)
Heating capacity at -7°C		kW	2,08	2,54	4,58
COP [1]	Nominal (Min – Max)	W/W	4,05 (4,10 – 3,47)	3,70 (4,10 – 3,44)	3,42 (2,80 – 3,06)
SCOP [2]			4,10 A+	4,10 A+	3,90 A
Pdesign at -10°C		kW	1,90	2,40	4,00
Input power heating	Nominal (Min – Max)	kW	0,74 (0,20 – 1,01)	1,00 (0,20 – 1,25)	1,58 (0,35 – 2,45)
Annual energy consumption [3]		kWh/a	649	820	1436
Indoor unit			CS-UZ25VKE	CS-UZ35VKE	CS-UZ50VKE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 2,5
Air volume	Cool / Heat	m³/min	10,3 / 11,0	10,7 / 11,2	11,6 / 12,5
Moisture removal volume		L/h	1,5	1,9	2,8
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	37 / 26 / 20	38 / 30 / 20	44 / 37 / 34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37 / 27 / 24	38 / 33 / 25	44 / 37 / 34
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214
Net weight		kg	8	8	9
Outdoor unit			CU-UZ25VKE	CU-UZ35VKE	CU-UZ50VKE
Air volume	Cool / Heat	m³/min	30,5 / 30,5	31,1 / 31,1	32,7 / 32,7
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	48 / 49	48 / 50	48 / 49
Dimension [5]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
Net weight		kg	26	27	36
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15
Elevation difference (in/out) [6]		m	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32) / CO_2 Eq.		kg / T	0,58 / 0,392	0,67 / 0,452	1,14 / 0,770
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		€			
Indoor unit Price		€			
Outdoor unit Price		€			

Accessories	Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A++ 6,50 SEER | A+ 4,10 SCOP | INVERTER | R2 ROTARY COMPRESSOR | DUST COLLECTION FILTER | 20 dB (A) | R22 R410A / R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER: For KIT-UZ50-VKE. SCOP: For KIT-UZ25-VKE and KIT-UZ35-VKE. SUPER QUIET: For KIT-UZ25-VKE and KIT-UZ35-VKE. INTERNET CONTROL: Optional.

NEW
2019

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

NEW Wall Mounted PZ Type Standard Inverter • R32 Gas

Kit			KIT-PZ25-VKE	KIT-PZ35-VKE	KIT-PZ50-VKE
Cooling capacity	Nominal (Min – Max)	kW	2,50 (0,85 – 3,00)	3,40 (0,85 – 3,90)	5,00 (0,98 – 5,40)
EER [1]	Nominal (Min – Max)	W/W	3,62 (3,40 – 3,30)	3,09 (3,33 – 3,00)	2,98 (3,44 – 2,86)
SEER [2]			5,80 A+	5,60 A+	6,00 A+
Pdesign (cooling)		kW	2,50	3,40	5,00
Input power cooling	Nominal (Min – Max)	kW	0,69 (0,25 – 0,91)	1,10 (0,26 – 1,30)	1,68 (0,29 – 1,89)
Annual energy consumption [3]		kWh/a	151	213	292
Heating capacity	Nominal (Min – Max)	kW	3,15 (0,80 – 3,60)	3,84 (0,80 – 4,40)	5,40 (0,98 – 7,50)
Heating capacity at -7°C		kW	2,14	2,60	4,58
COP [1]	Nominal (Min – Max)	W/W	4,09 (4,10 – 3,50)	3,69 (4,10 – 3,46)	3,44 (2,80 – 3,07)
SCOP [2]			4,10 A+	4,10 A+	4,10 A+
Pdesign at -10°C		kW	1,90	2,40	4,00
Input power heating	Nominal (Min – Max)	kW	0,77 (0,20 – 1,03)	1,04 (0,20 – 1,27)	1,57 (0,35 – 2,44)
Annual energy consumption [3]		kWh/a	649	820	1366
Indoor unit			CS-PZ25VKE	CS-PZ35VKE	CS-PZ50VKE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 2,5
Air volume	Cool / Heat	m³/min	10,3 / 11,0	10,7 / 11,2	11,6 / 12,5
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	37 / 26 / 20	38 / 30 / 20	44 / 37 / 34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37 / 27 / 24	38 / 33 / 25	44 / 37 / 34
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214
Net weight		kg	8	8	9
Outdoor unit			CU-PZ25VKE	CU-PZ35VKE	CU-PZ50VKE
Air volume	Cool / Heat	m³/min	30,5 / 30,5	31,1 / 31,1	32,7 / 32,7
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	48 / 49	48 / 50	48 / 49
Dimension [5]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
Net weight		kg	26	27	36
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15
Elevation difference (in/out) [6]		m	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32) / CO_2 Eq.		kg / T	0,58 / 0,392	0,67 / 0,452	1,14 / 0,770
Operating range	Cool Min ~ Max	°C	+5 ~ +43	+5 ~ +43	+5 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		€			
Indoor unit Price		€			
Outdoor unit Price		€			

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control	
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console	

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 indoor unit shows the value measured at a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A+ 6,00 SEER | A+ 4,10 SCOP | INVERTER | R2 ROTARY COMPRESSOR | 20dB(A) | R22/R410A R22/R410A RENEWAL R32 | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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

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NEW
2019

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

NEW Wall Mounted DZ Type Standard Inverter • R32 Gas

Kit			KIT-DZ25-VKE	KIT-DZ35-VKE	KIT-DZ50-VKE
Cooling capacity	Nominal (Min – Max)	kW	2,50 (0,85 – 3,00)	3,40 (0,85 – 3,90)	5,00 (0,98 – 5,40)
EER [1]	Nominal (Min – Max)	W/W	3,62 (3,40 – 3,30)	3,09 (3,33 – 3,00)	2,98 (3,44 – 2,86)
SEER [2]			5,80 A+	5,60 A+	6,00 A+
Pdesign (cooling)		kW	2,50	3,40	5,00
Input power cooling	Nominal (Min – Max)	kW	0,69 (0,25 – 0,91)	1,10 (0,26 – 1,30)	1,68 (0,29 – 1,89)
Annual energy consumption [3]		kWh/a	151	213	292
Heating capacity	Nominal (Min – Max)	kW	3,15 (0,80 – 3,60)	3,84 (0,80 – 4,40)	5,40 (0,98 – 7,50)
Heating capacity at -7°C		kW	2,14	2,60	4,58
COP [1]	Nominal (Min – Max)	W/W	4,09 (4,10 – 3,50)	3,69 (4,10 – 3,46)	3,44 (2,80 – 3,07)
SCOP [2]			4,10 A+	4,10 A+	4,10 A+
Pdesign at -10°C		kW	1,90	2,40	4,00
Input power heating	Nominal (Min – Max)	kW	0,77 (0,20 – 1,03)	1,04 (0,20 – 1,27)	1,57 (0,35 – 2,44)
Annual energy consumption [3]		kWh/a	649	820	1366
Indoor unit			CS-DZ25VKE	CS-DZ35VKE	CS-DZ50VKE
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 2,5
Air volume	Cool / Heat	m³/min	10,3 / 11,0	10,7 / 11,2	11,6 / 12,5
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	37 / 26 / 20	38 / 30 / 20	44 / 37 / 34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37 / 27 / 24	38 / 33 / 25	44 / 37 / 34
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199	290 x 870 x 214
Net weight		kg	8	8	9
Outdoor unit			CU-DZ25VKE	CU-DZ35VKE	CU-DZ50VKE
Air volume	Cool / Heat	m³/min	30,5 / 30,5	31,1 / 31,1	32,7 / 32,7
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	48 / 49	48 / 50	48 / 49
Dimension [5]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299
Net weight		kg	26	27	36
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15
Elevation difference (in/out) [6]		m	15	15	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32) / CO_2 Eq.		kg / T	0,58 / 0,392	0,67 / 0,452	1,14 / 0,770
Operating range	Cool Min ~ Max	°C	+5 ~ +43	+5 ~ +43	+5 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		€			
Indoor unit Price		€			
Outdoor unit Price		€			

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control	
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console	

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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A+ 6,00 SEER | A+ 4,10 SCOP | INVERTER | R2 ROTARY COMPRESSOR | 20dB(A) | R22 R410A R22 RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-DZ50-VKE. SUPER QUIET: For KIT-DZ25-VKE and KIT-DZ35-VKE. INTERNET CONTROL: Optional.

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

Wall Mounted Professional Inverter -20°C • R32 Gas

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)	4,07 (5,00 - 3,64)	3,82 (4,90 - 3,25)	3,60 (3,50 - 3,09)	3,17 (2,33 - 3,03)
SEER [2]			8,50 A+++	8,50 A+++	8,50 A+++	8,50 A+++	6,10 A++
Pdesign		kW	2,50	3,50	4,20	5,00	7,10
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)	4,35 (5,15 - 3,63)	4,00 (4,45 - 3,37)	4,03 (2,88 - 3,20)	3,51 (2,45 - 3,47)
SCOP [2]			4,50 A+	4,40 A+	4,30 A+	4,40 A+	4,00 A+
Pdesign at -10°C		kW	2,80	3,60	3,80	4,40	5,50
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		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Air Volume	Cool / Heat	m³/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) / CO_2 Eq.		kg / T	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
Kit Price		€					
Indoor unit Price		€					
Outdoor unit Price		€					

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud 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		Price €
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 indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A+++ 8,50 SEER | A+ 4,50 SCOP | INVERTER | R2 ROTARY COMPRESSOR | AEROWINGS | 21dB(A) | -20°C COOLING MODE | -15°C HEATING MODE | R22/R410A R22/R410A RENEWAL R32 | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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

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NANOE™ X. QUALITY AIR FOR LIFE

No matter where you are on planet earth, air is an essential part in your life. We're working to help every person enjoy better health and comfort by nanoe™ Xair purifier technologies.

DESIGN AWARD 2019

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 Floor Console is the ideal air-conditioning system for domestic and commercial applications.

DEODORISATION

INHIBITS GROWTH OF CERTAIN BACTERIA AND VIRUS

1 Deodorises
nanoe™ X deodorises strong and unpleasant odours that cause uneasiness so you can enjoy a more pleasant living space for greater well-being.

2 Inhibits certain Bacteria & Viruses
nanoe™ X inhibits the growth of certain allergens, bacteria and viruses in your home, maintaining a cleaner home for your children.

3 Moisturing Skin
Helps retain the moisture of the skin.

nanoe™ X deodorises and inhibits certain bacteria and viruses

nanoe™ X contains 10X times[1] more OH radicals.
The newly developed nanoe™ X device produces 10x times more OH radicals (4800 billion)[1] than regular nanoe™ device.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in bacteria, viruses and allergens inhibition as well as deodorisation. A fresher and cleaner home awaits you.

1) Based on Panasonic Survey.

5-20nm

Water Particle
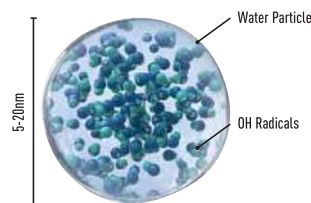
OH Radicals

4800 BILLION OH RADICALS / PER SECOND

How nanoe™ X keeps air fresh and clean

nanoe™ X reaches bacteria.

OH radicals take away hydrogen from bacteria.

OH radicals transform hydrogen in bacteria to water and inhibit bacterial activity.

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

Floor Console Type Inverter+ • R32 Gas

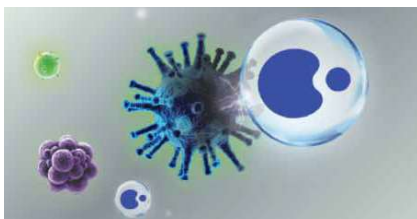| Kit			KIT-Z25-UFE	KIT-Z35-UFE	KIT-Z50-UFE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,40)	3,50 (0,85 - 3,80)	5,00 (0,90 - 5,70)
EER [1]	Nominal (Min - Max)	W/W	4,81 (3,54 - 3,78)	4,07 (3,54 - 3,73)	3,60 (3,53 - 3,15)
SEER [2]			7,90 A++	8,10 A++	6,70 A++
Pdesign (cooling)		kW	2,50	3,50	5,00
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)	3,98 (3,54 - 3,43)	3,74 (3,46 - 3,12)
SCOP [2]			4,60 A++	4,60 A++	4,30 A+
Pdesign at -10°C		kW	2,70	3,20	4,40
Input power heating	Nominal (Min - Max)	kW	0,76 (0,24 - 1,35)	1,08 (0,24 - 1,75)	1,55 (0,26 - 2,60)
Annual energy consumption [3]		kWh/a	822	974	1433
Indoor unit			CS-Z25UFEAW	CS-Z35UFEAW	CS-Z50UFEAW
Air volume	Cool / Heat	m³/min	9,6 / 9,9	9,9 / 10,1	11,6 / 13,2
Moisture removal volume		L/h	1,5	2,0	2,8
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 20	39 / 26 / 20	44 / 31 / 27
	Heat (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 19	39 / 26 / 19	46 / 33 / 29
Dimension	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		mm²	—	—	—
Air volume	Cool / Heat	m³/min	28,7 / 27,2	34,3 / 33,5	39,7 / 38,6
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	46 / 47	48 / 48	48 / 48
Dimension [5]	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) / CO$_2$ Eq.		kg / T	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
Kit Price		€			
Indoor unit Price		€			
Outdoor unit Price		€			

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control	
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		Price €
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console	

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body and 1m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A++ 8,10 SEER | A++ 4,60 SCOP | INVERTER+ | R2 ROTARY COMPRESSOR | nanoeX | 20dB(A) | -10°C COOLING MODE | -15°C HEATING MODE | R22 R410A / R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY | iF

SEER and SCOP: For KIT-Z35-UFE. SUPER QUIET: For KIT-Z25-UFE and KIT-Z35-UFE. INTERNET CONTROL: Optional. iF DESIGN AWARD 2019: Floor Console awarded with the prestigious IF Design Award 2019.

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.

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

Smartphone control and
monitoring with WLAN
adaptor CZ-TACG1.

4 Way 60x60 Cassette Inverter • R32 Gas

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)	3,89 (3,54 - 3,39)	3,25 (3,53 - 3,09)	2,93 (3,53 - 2,89)
SEER [2]			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)	3,31 (3,70 - 3,20)	3,03 (3,46 - 2,95)	2,92 (3,46 - 2,91)
SCOP [2]			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	m³/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		mm²	—	—	—	—
Air volume	Cool / Heat	m³/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) / CO_2 Eq.		kg / T	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
Kit Price		€				
Indoor unit Price		€				
CZ-BT20EW RAL9010 Panel Price		€				
Outdoor unit Price		€				

Accessories	Price €		Accessories	Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control		**CZ-RD52CP**	Wired remote controller for Cassette
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 sound pressure of the indoor unit shows the value measured of a position 1,5m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A++ 6,50 SEER | A+ 4,20 SCOP | INVERTER | R2 ROTARY COMPRESSOR | 22dB(A) | -10°C COOLING MODE | -15°C HEATING MODE | R22 R410A / R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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

CZ-RL511D
NEW optional wireless kit.

Smartphone control and monitoring with WLAN adaptor CZ-TACG1.

Low Static Pressure Hide Away Inverter • R32 Gas

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)	3,85 (3,54 - 3,36)	3,27 (3,53 - 3,20)	2,94 (3,53 - 2,83)
SEER [2]			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)	3,82 (3,70 - 3,59)	3,35 (3,46 - 3,27)	3,24 (3,46 - 3,08)
SCOP [2]			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	m³/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		mm²	4 x 1,5 ~ 2,5	4 x 1,5 ~ 2,5	4 x 1,5 ~ 2,5	—
Air volume	Cool / Heat	m³/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) / CO_2 Eq.		kg / T	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
Kit Price		€				
Indoor unit Price		€				
Outdoor unit Price		€				

Accessories		Price €
CZ-TACG1	Panasonic Comfort Cloud for internet control	
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		Price €
CZ-RL511D	NEW Infrared remote controller Sky Remote. 2m cable length of infrared receiver (available in April 2019)	

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 S-Hi to have more than 6,0mmAq. 5) The sound pressure of the indoor unit 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. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. 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.

R32 | A+ 5,90 SEER | A+ 4,20 SCOP | INVERTER | R2 ROTARY COMPRESSOR | STATIC PRESSURE UP TO 7 mmAq | -10°C COOLING MODE | -15°C HEATING MODE | FILTER INCLUDED | R22 R410A R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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.

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MULTI SPLIT AND FREE MULTI SYSTEM

If air conditioning requirements exceed the ambit of a single room, Panasonic offers you a very extensive range of possibilities with up to 5 indoor units connected to a single outdoor unit.
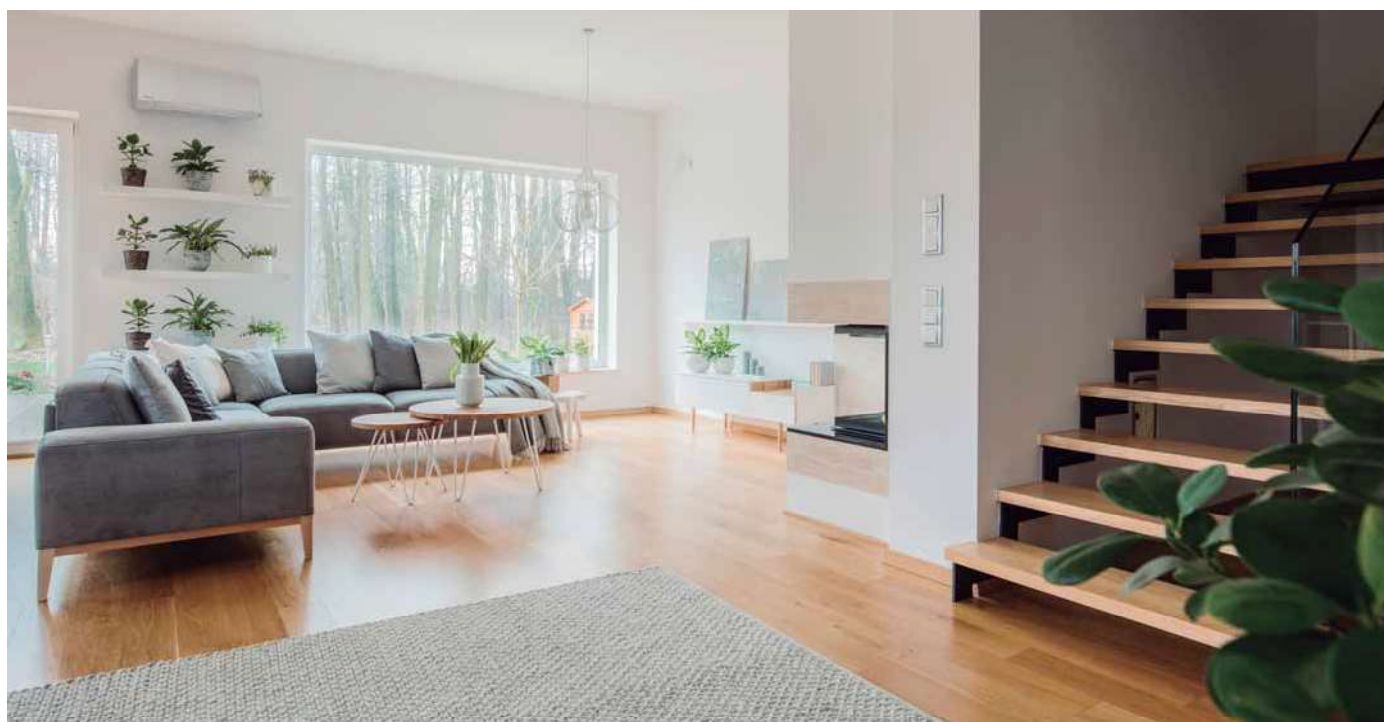
Panasonic offers widest range in Multi split systems

2 types of Multi split range from 3,50 to 9,00kW for 5 indoor units with one outdoor unit.

Free Multi Z	New Multi TZ Wall with R32 refrigerant
Full flexibility up to 9,00kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++ / A++	From 4,10 to 5,20kW for TZ Wall Compact Style unit, reaches A++ / A+

					Indoor units				
Line up	Refrigerant	Capacities	Indoor unit ports	Efficiency up to	Etherea	Compact Style	Floor Console	Cassette	Hide Away
Multi Z	R32	8 units (3,50 ~ 9,00kW)	2~5	**A+++ / A++**	Yes	Yes	Yes	Yes	Yes
Multi TZ	R32	3 units (4,10 ~ 5,20kW)	2~3	**A++ / A+**		Yes			

Multi split systems

Day and Night	Simultaneous
Ideal for 2 day and night areas. Simultaneous use possible.	When indoor units are most time working at same time.
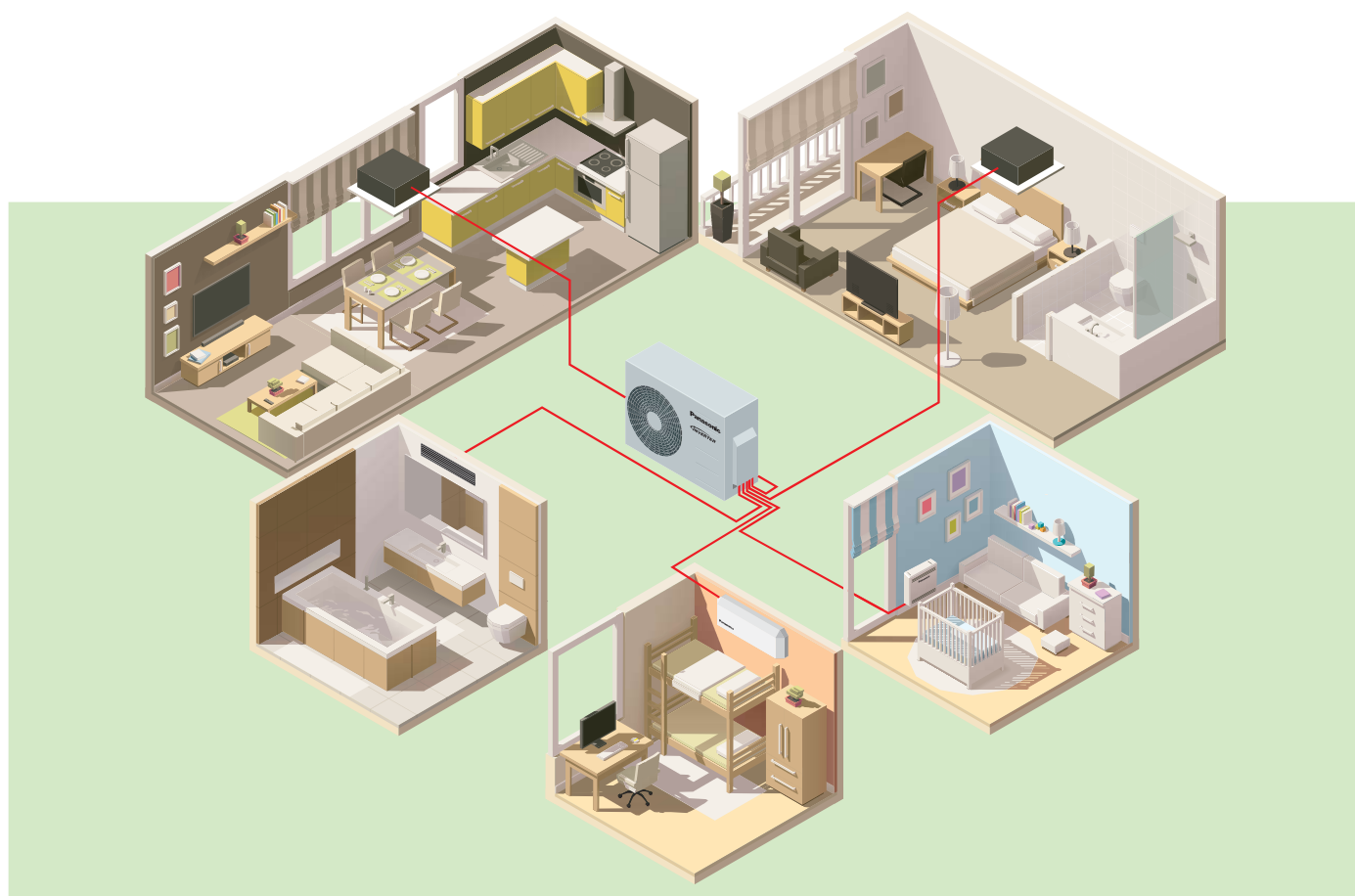
Why a Multi Split is better than several separate split units

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.

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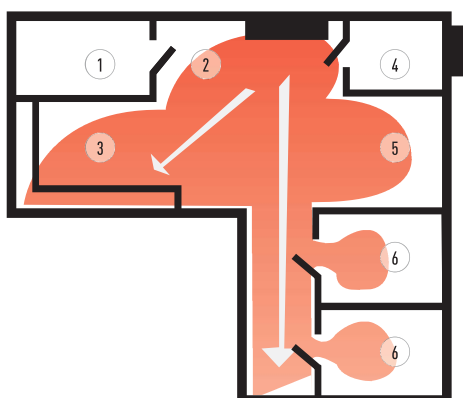
1. Laundry room
2. Entrance
3. Kitchen/dining area
4. Bathroom
5. Living room
6. Bedroom

R32 · INVERTER+ · **R2 ROTARY COMPRESSOR** · **-15°C HEATING MODE** · R22 R410A / R22/R410A RENEWAL R32 · **5 YEARS COMPRESSOR WARRANTY**

Outdoor unit Free Multi System Z • R32 Gas
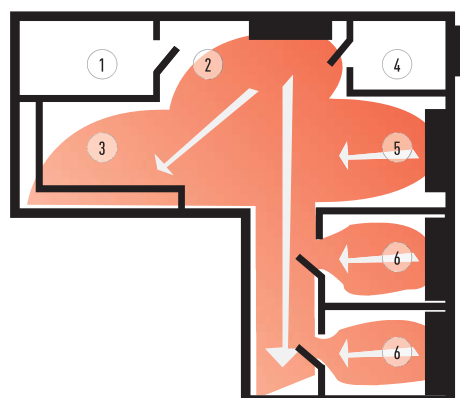
			CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
Indoor nominal capacity (Min - Max)			3,20 ~ 6,00kW	3,20 ~ 6,00kW	3,20 ~ 7,70kW	4,50 ~ 9,50kW	4,50 ~ 11,20kW	4,50 ~ 11,50kW	4,50 ~ 14,70kW	4,50 ~ 18,30kW
Unit			CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	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)	4,56 (6,00 - 3,80)	4,24 (6,00 - 3,62)	4,77 A	3,66 (7,04 - 3,38)	4,39 (5,59 - 3,56)	4,04 (5,66 - 3,21)	4,09 (5,27 - 2,98)
SEER [2]			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	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
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)	4,79 (5,24 - 3,91)	4,63 (5,24 - 4,00)	4,63 (5,00 - 3,82)	3,95 (5,32 - 3,64)	4,47 (5,17 - 3,96)	4,63 (6,00 - 3,46)	4,84 (6,42 - 3,42)
SCOP [2]			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	3,20	3,50	4,20	5,00	5,20	5,80	6,80	8,50
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 (0,32 - 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		mm²	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) / CO_2 Eq.		kg / T	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
Outdoor unit Price		€								

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 and 1m in rear side of the main body. The sound pressure is measured in accordance with JIS C 9612. 5) Add 70 or 95mm for piping port. 6) Minimum piping length is 3 meters per indoor unit.

Possible outdoor / indoor units combinations • R32 Gas

Rooms	Model	Indoor capacity connected (Min - Max)	NEW Etherea Silver	NEW Etherea Pure White Matt	Wall Mounted TZ Compact Style	Floor Console*	4 Way 60x60 Cassette	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
2	CU-2Z35TBE	3,20 ~ 6,00kW	✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔
	CU-2Z41TBE	3,20 ~ 6,00kW	✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔
	CU-2Z50TBE	3,20 ~ 7,70kW	✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔¹	✔ ✔ ✔ ✔¹	✔ ✔ ✔ ✔¹
3	CU-3Z52TBE	4,50 ~ 9,50kW	✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹		✔ ✔ ✔ ✔¹	✔ ✔ ✔ ✔¹
	CU-3Z68TBE	4,50 ~ 11,20kW	✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹ ✔¹		✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔¹ ✔¹
4	CU-4Z68TBE	4,50 ~ 11,50kW	✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹ ✔¹		✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔¹ ✔¹
	CU-4Z80TBE	4,50 ~ 14,70kW	✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔¹ ✔¹ ✔¹		✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔¹ ✔¹
5	CU-5Z90TBE	4,50 ~ 18,30kW	✔ ✔ ✔ ✔¹ ✔¹	✔ ✔ ✔ ✔ ✔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 71, and CZ-MA3P pipe reducer on the 71.
Compatible only with 2 ports outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE. Minimum quantity of connection: 2 indoor units.

Outdoor Multi combination model

		Model	Price €
CS-MZ16VKE / CS-MTZ16TKE CS-XZ20VKEW / CS-Z20VKEW / CS-TZ20TKEW-1 / CS-MZ20UFEA / CS-MZ20UB4EA / CS-MZ20UD3EA CS-XZ25VKEW / CS-Z25VKEW / CS-TZ25TKEW-1 / CS-Z25UFEAW / CS-Z25UB4EAW / CS-Z25UD3EAW CS-XZ35VKEW / CS-Z35VKEW / 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-XZ50VKEW / CS-Z50VKEW / 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-Z71VKEW / CS-TZ71TKEW		CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P / CZ-MA3P*

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

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

NEW
2019

CZ-RD514C
Optional wired
remote controller.

INTERNET CONTROL: Built-in.

nanoeX | 21dB(A) | AEROWINGS | BUILT-IN WLAN | BMS CONNECTIVITY

NEW Wall Mounted Etherea	Indoor unit Silver	Indoor unit Pure White Matt	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [1]		Dimension / Net weight	Piping connections	Silver Price	White Price
						Cool — Heat (Hi/Lo/S-Lo)		H x W x D	Liquid / Gas pipe		
			kW	kW	mm²	dB(A)		mm / kg	Inch (mm)	€	€
1,60kW	—	CS-MZ16VKE	1,60	2,60	4 x 1,5	38/26/21 — 39/27/21		295 x 919 x 194 / 9	1/4 (6,35) / 3/8 (9,52)		—
2,00kW	CS-XZ20VKEW	CS-Z20VKEW	2,00	3,20	4 x 1,5	39/26/21 — 40/27/21		295 x 919 x 194 / 9	1/4 (6,35) / 3/8 (9,52)		
2,50kW	CS-XZ25VKEW	CS-Z25VKEW	2,50	3,60	4 x 1,5	41/27/21 — 43/29/21		295 x 919 x 194 / 10	1/4 (6,35) / 3/8 (9,52)		
3,50kW	CS-XZ35VKEW	CS-Z35VKEW	3,20	4,50	4 x 1,5	44/30/21 — 45/35/21		295 x 919 x 194 / 10	1/4 (6,35) / 3/8 (9,52)		
4,20kW	—	CS-Z42VKEW	4,00	5,60	4 x 1,5	44/33/27 — 45/37/31		295 x 919 x 194 / 10	1/4 (6,35) / 1/2 (12,70)		—
5,00kW	CS-XZ50VKEW	CS-Z50VKEW	5,00	6,80	4 x 1,5	44/39/32 — 46/39/32		302 x 1120 x 236 / 12	1/4 (6,35) / 1/2 (12,70)		
7,10kW	—	CS-Z71VKEW	7,10	8,60	—	49/40/32 — 49/40/32		302 x 1120 x 236 / 13	1/4 (6,35) / 5/8 (15,88)		—

CZ-RD514C
Optional wired
remote controller.

INTERNET CONTROL: Optional. | PM2,5 FILTER | AEROWINGS | OPTIONAL WLAN | BMS CONNECTIVITY

Wall Mounted TZ Compact Style	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [1]		Dimension / Net weight	Piping connections	Price
					Cool — Heat (Hi/Lo/S-Lo)		H x W x D	Liquid / Gas pipe	
		kW	kW	mm²	dB(A)		mm / kg	Inch (mm)	€
1,60kW	CS-MTZ16TKE	1,60	2,60	4 x 1,5	38/27/22 — 39/28/24		290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
2,00kW	CS-TZ20TKEW-1	2,00	3,20	4 x 1,5	39/27/22 — 40/28/24		290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
2,50kW	CS-TZ25TKEW-1	2,50	3,60	4 x 1,5	42/28/22 — 42/29/24		290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
3,50kW [2]	CS-TZ35TKEW-1	3,50	4,50	4 x 1,5	44/32/22 — 44/35/24		290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
4,20kW	CS-TZ42TKEW-1	4,20	5,00	4 x 1,5	44/33/31 — 46/37/30		290 x 799 x 197 / 8	1/4 (6,35) / 1/2 (12,70)	
5,00kW	CS-TZ50TKEW	5,00	5,30	4 x 1,5	44/39/36 — 46/39/36		302 x 1102 x 244 / 12	1/4 (6,35) / 1/2 (12,70)	
6,00kW	CS-TZ60TKEW	6,00	8,50	4 x 1,5	44/39/36 — 47/39/36		302 x 1102 x 244 / 12	1/4 (6,35) / 1/2 (12,70)	
7,10kW	CS-TZ71TKEW	7,10	8,70	4 x 1,5	49/40/37 — 49/40/37		302 x 1102 x 244 / 13	1/4 (6,35) / 1/2 (12,70)	

CZ-RD514C
Optional wired
remote controller.

INTERNET CONTROL: Optional. | nanoeX | OPTIONAL WLAN | BMS CONNECTIVITY

Floor Console [3]	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [4]		Dimension / Net weight	Piping connections	Price
					Cool — Heat (Hi/Lo/S-Lo)		H x W x D	Liquid / Gas pipe	
		kW	kW	mm²	dB(A)		mm / kg	Inch (mm)	€
2,00kW	CS-MZ20UFEA	2,00	3,20	4 x 1,5	39/27/22 — 39/27/21		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)	
2,50kW	CS-Z25UFEAW	2,50	3,60	4 x 1,5	40/27/22 — 40/27/21		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)	
3,50kW [5]	CS-Z35UFEAW	3,50	4,50	4 x 1,5	41/28/22 — 41/28/21		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)	
5,00kW	CS-Z50UFEAW	5,00	5,30	4 x 1,5	44/33/29 — 48/35/31		600 x 750 x 207 / 13	1/4 (6,35) / 3/8 (9,52)	

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

CZ-RD52CP
Optional wired
remote controller.

INTERNET CONTROL READY and EASY CONTROL BY BMS: Optional. | OPTIONAL WLAN | BMS CONNECTIVITY

4 Way 60x60 Cassette	Indoor unit (Panel CZ-BT20EW)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [6]		Dimension / Net weight		Piping connections	Indoor Price	Panel Price
					Cool — Heat (Hi/Lo/S-Lo)		Indoor H x W x D	Panel H x W x D	Liquid / Gas pipe		
		kW	kW	mm²	dB(A)		mm / kg	mm / kg	Inch (mm)	€	€
2,00kW	CS-MZ20UB4EA	2,00	3,20	4 x 1,5	35/27/24 — 36/30/27		260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 3/8 (9,52)		
2,50kW	CS-Z25UB4EAW	2,50	3,60	4 x 1,5	36/27/24 — 37/30/27		260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 3/8 (9,52)		
3,50kW [2]	CS-Z35UB4EAW	3,50	4,50	4 x 1,5	36/28/25 — 37/30/27		260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 3/8 (9,52)		
5,00kW [5]	CS-Z50UB4EAW	5,00	6,80	4 x 1,5	39/30/27 — 40/31/28		260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 3/8 (9,52)		
6,00kW	CS-Z60UB4EAW	6,00	8,50	4 x 1,5	44/34/31 — 45/34/31		260 x 575 x 575 / 18	51 x 700 x 700 / 2,5	1/4 (6,35) / 1/2 (12,70)		

CZ-RL511D
NEW optional wireless
kit.

INTERNET CONTROL READY and EASY CONTROL BY BMS: Optional. | FILTER INCLUDED | OPTIONAL WLAN | BMS CONNECTIVITY

Low Static Pressure Hide Away	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [7]		Dimension / Net weight	Piping connections	Price
					Cool — Heat (Hi/Lo/S-Lo)		H x W x D	Liquid / Gas pipe	
		kW	kW	mm²	dB(A)		mm / kg	Inch (mm)	€
2,00kW	CS-MZ20UD3EA	2,00	3,20	4 x 1,5	34/29/26 — 36/29/26		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)	
2,50kW	CS-Z25UD3EAW	2,50	3,60	4 x 1,5	35/29/26 — 37/29/26		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)	
3,50kW [2]	CS-Z35UD3EAW	3,50	4,50	4 x 1,5	35/29/26 — 37/29/26		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)	
5,00kW [5]	CS-Z50UD3EAW	5,00	6,80	4 x 1,5	41/31/28 — 41/32/29		200 x 750 x 640 / 19	1/4 (6,35) / 3/8 (9,52)	
6,00kW	CS-Z60UD3EAW	6,00	8,50	4 x 1,5	43/32/29 — 43/34/31		200 x 750 x 640 / 19	1/4 (6,35) / 1/2 (12,70)	

1) The sound pressure of the indoor unit 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 JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 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. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body and 1m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) The heating capacity is 5,30kW connected to a CU-2Z50TBE. 6) The sound pressure of the indoor unit shows the value measured of a position 1,5m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) The sound pressure of the indoor unit 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 JIS C 9612.

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.

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R32

-15°C HEATING MODE

R22 R410A R32 R22/R410A RENEWAL

5 YEARS COMPRESSOR WARRANTY

INVERTER+ R2 ROTARY COMPRESSOR

Outdoor unit Multi Wall TZ • R32 Gas

Indoor nominal capacity (Min - Max)			3,20 ~ 6,00kW	3,20 ~ 7,70kW	4,50 ~ 9,50kW
Unit			CU-2TZ41TBE	CU-2TZ50TBE	CU-3TZ52TBE
Cooling capacity	Nominal (Min - Max)	kW	4,10 (1,50 - 4,70)	5,00 (1,50 - 5,40)	5,20 (1,80 - 6,60)
EER [1]	Nominal (Min - Max)	W/W	4,14 (5,56 - 3,41)	3,85 (5,56 - 3,33)	4,52 (3,67 - 5,00)
SEER [2]			7,10 A++	7,00 A++	7,60 A++
Pdesign (cooling)		kW	4,10	5,00	5,20
Input power cooling	Nominal (Min - Max)	kW	0,99 (0,27 - 1,38)	1,30 (0,27 - 1,62)	1,15 (0,36 - 1,80)
Annual energy consumption [3]		kWh/a	202	250	239
Heating capacity	Nominal (Min - Max)	kW	4,40 (1,10 - 6,30)	5,70 (1,10 - 6,40)	6,80 (1,60 - 7,50)
Heating capacity at -7°C		kW	—	—	—
COP [1]	Nominal (Min - Max)	W/W	4,44 (5,00 - 3,54)	4,35 (5,00 - 3,62)	4,28 (3,87 - 5,00)
SCOP [2]			4,30 A+	4,20 A+	4,20 A+
Pdesign at -10°C		kW	3,50	4,50	5,00
Input power heating	Nominal (Min - Max)	kW	0,99 (0,22 - 1,78)	1,31 (0,22 - 1,77)	1,59 (0,32 - 1,94)
Annual energy consumption [3]		kWh/a	1139	1500	1667
Current	Cool / Heat	A	4,60 / 4,60	6,00 / 6,00	5,30 / 7,30
Power source		V	230	230	230
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	48 / 50	50 / 52	48 / 48
Dimension [5]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	795 x 875 x 320
Net weight		kg	35	35	71
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Pipe length range total		m	6 ~ 30	6 ~ 30	6 ~ 50
Pipe length range to one unit		m	3 ~ 20	3 ~ 20	3 ~ 25
Elevation difference (in/out)		m	10	10	15
Pipe length for additional gas		m	20	20	30
Additional gas amount		g/m	15	15	20
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9 / 0,6075	0,9 / 0,6075	2,1 / 1,4175
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Outdoor unit Price		€			

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 and 1m in rear side of the main body. The sound pressure is measured in accordance with JIS C 9612. 5) Add 70 or 95mm for piping port.

Possible outdoor / indoor units combinations • R32 Gas

Rooms	Model	Indoor capacity connected (Min - Max)	Wall Mounted TZ Compact Style					
			16	20	25	35	42	50
2	CU-2TZ41TBE	3,20 ~ 6,00kW	✔	✔	✔	✔		
	CU-2TZ50TBE	3,20 ~ 7,70kW	✔	✔	✔	✔	✔	✔
3	CU-3TZ52TBE	4,50 ~ 9,50kW	✔	✔	✔	✔	✔	✔

Minimum quantity of connection: 2 indoor units.

INTERNET CONTROL: Optional. PM2.5 FILTER 22dB(A) AEROWINGS OPTIONAL WLAN BMS CONNECTIVITY

Wall Mounted TZ Compact Style	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure[1]	Dimension / Net weight	Piping connections	Price
					Cool — Heat (Hi / Lo / S-Lo)	H x W x D	Liquid / Gas pipe	
		kW	kW	mm²	dB(A)	mm / kg	Inch (mm)	€
1,60kW	CS-MTZ16TKE	1,60	2,60	4 x 1,5	38 / 27 / 22 — 39 / 28 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
2,00kW	CS-TZ20TKEW-1	2,00	3,20	4 x 1,5	39 / 27 / 22 — 40 / 28 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
2,50kW	CS-TZ25TKEW-1	2,50	3,60	4 x 1,5	42 / 28 / 22 — 42 / 29 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
3,50kW	CS-TZ35TKEW-1	3,50	4,50	4 x 1,5	44 / 32 / 22 — 44 / 35 / 24	290 x 799 x 197 / 8	1/4 (6,35) / 3/8 (9,52)	
4,20kW	CS-TZ42TKEW-1	4,20	5,00	4 x 1,5	44 / 33 / 31 — 46 / 37 / 30	290 x 799 x 197 / 8	1/4 (6,35) / 1/2 (12,70)	
5,00kW	CS-TZ50TKEW	5,00	5,30	4 x 1,5	44 / 39 / 36 — 46 / 39 / 36	302 x 1102 x 244 / 12	1/4 (6,35) / 1/2 (12,70)	

1) The sound pressure of the indoor unit 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 JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed.

NEW 2019

INTERNET CONTROL: Built-in.

INVERTER+ | R2 ROTARY COMPRESSOR | nanoeX | AEROWINGS | R22/R410A RENEWAL | BUILT-IN WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

NEW Etherea Multi Split Inverter+ • R32 Gas

			Day and Night				
Rooms			2 Rooms			3 Rooms	
Kit Silver			KIT-2XZ2525-TBE	KIT-2XZ2035-TBE	KIT-2XZ2535-TBE	KIT-3XZ202035-TBE	KIT-3XZ252535-TBE
Indoor unit Silver			CS-XZ25VKEW CS-XZ25VKEW	CS-XZ35VKEW CS-XZ20VKEW	CS-XZ35VKEW CS-XZ25VKEW	CS-XZ35VKEW CS-XZ20VKEW CS-XZ20VKEW	CS-XZ35VKEW CS-XZ25VKEW CS-XZ25VKEW
Kit Pure White Matt			KIT-2Z2525-TBE	KIT-2Z2035-TBE	KIT-2Z2535-TBE	KIT-3Z202035-TBE	KIT-3Z252535-TBE
Indoor unit Pure White Matt			CS-Z25VKEW CS-Z25VKEW	CS-Z35VKEW CS-Z20VKEW	CS-Z35VKEW CS-Z25VKEW	CS-Z35VKEW CS-Z20VKEW CS-Z20VKEW	CS-Z35VKEW CS-Z25VKEW CS-Z25VKEW
Outdoor unit			CU-2Z41TBE	CU-2Z41TBE	CU-2Z41TBE	CU-3Z52TBE	CU-3Z52TBE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (1,10 - 3,50)	4,10 (1,50 - 5,20)	4,10 (1,50 - 5,20)	5,20 (1,80 - 7,30)	5,20 (1,80 - 7,30)
EER		W/W	3,73	4,56	4,56	4,48	4,48
SEER							
Heating capacity	Nominal (Min - Max)	kW	3,60 (0,70 - 5,50)	4,60 (1,10 - 7,00)	4,60 (1,10 - 7,00)	6,80 (1,60 - 8,30)	6,80 (1,60 - 8,30)
COP		W/W	3,50	4,84	4,84	4,79	4,79
SCOP							
Indoor 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	295 x 919 x 194
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20)	10
Kit Silver Price		€					
Kit Pure White Matt Price		€					

			Simultaneous				
Rooms			2 Rooms			3 Rooms	
Kit Silver			KIT-2XZ2525-VKE	KIT-2XZ2035-VKE	KIT-2XZ2535-VKE	KIT-3XZ202035-VKE	KIT-3XZ252535-VKE
Indoor unit Silver			CS-XZ25VKEW CS-XZ25VKEW	CS-XZ35VKEW CS-XZ20VKEW	CS-XZ35VKEW CS-XZ25VKEW	CS-XZ35VKEW CS-XZ20VKEW CS-XZ20VKEW	CS-XZ35VKEW CS-XZ25VKEW CS-XZ25VKEW
Kit Pure White Matt			KIT-2Z2525-VKE	KIT-2Z2035-VKE	KIT-2Z2535-VKE	KIT-3Z202035-VKE	KIT-3Z252535-VKE
Indoor unit Pure White Matt			CS-Z25VKEW CS-Z25VKEW	CS-Z35VKEW CS-Z20VKEW	CS-Z35VKEW CS-Z25VKEW	CS-Z35VKEW CS-Z20VKEW CS-Z20VKEW	CS-Z35VKEW CS-Z25VKEW CS-Z25VKEW
Outdoor unit			CU-2Z50TBE	CU-2Z50TBE	CU-2Z50TBE	CU-3Z68TBE	CU-3Z68TBE
Cooling capacity	Nominal (Min - Max)	kW	5,00 (1,50 - 5,40)	5,00 (1,50 - 5,40)	5,00 (1,50 - 5,40)	6,80 (1,90 - 8,00)	6,80 (1,90 - 8,00)
EER		W/W	4,24	4,24	4,24	3,56	3,56
SEER			8,50 A+++				
Heating capacity	Nominal (Min - Max)	kW	5,60 (1,10 - 7,20)	5,40 (1,10 - 7,20)	5,40 (1,10 - 7,20)	8,50 (3,30 - 10,40)	8,50 (3,30 - 10,40)
COP		W/W	4,63	4,63	4,63	4,09	4,09
SCOP			4,60 A++				
Indoor 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	295 x 919 x 194
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20)	10
Kit Silver Price		€					
Kit Pure White Matt Price		€					

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.

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NEW PANASONIC COMFORT CLOUD

More than a control in your phone.

| NEW BOUNDARIES IN CONTROL | ENERGY MONITOR AND STATISTICS | SCALABILITY AND USERS MANAGEMENT |

Advanced smartphone control for domestic range.

Control air to air heat pump operation with Panasonic Comfort Cloud plus additional functions only available thru the Cloud from wherever and whenever. One user can manage up to 200 units and also set up different user and rights. Also energy monitor is possible giving the chance to learn how to reduce even more the operating cost.

New possibilities, new applications

1. **Families:** Different users can be set up, such as each child can manage their own room only. In the case of second houses, this can be remotely pre-cooled or pre-warmed. Or just turned OFF remotely if someone forget and left the system on.
2. **Multi tenant owner:** Can manage different sites, up to 200 units with just one smartphone. Knowing the consumption of each place and remotely have error codes remotely for better and quick maintenance.
3. **Small and medium sized offices:** Owner can control different rooms of the office easily and give unit by unit access to their staff. Also providing information to know where energy might be wasted for heating and cooling and promoting best comfort practices.
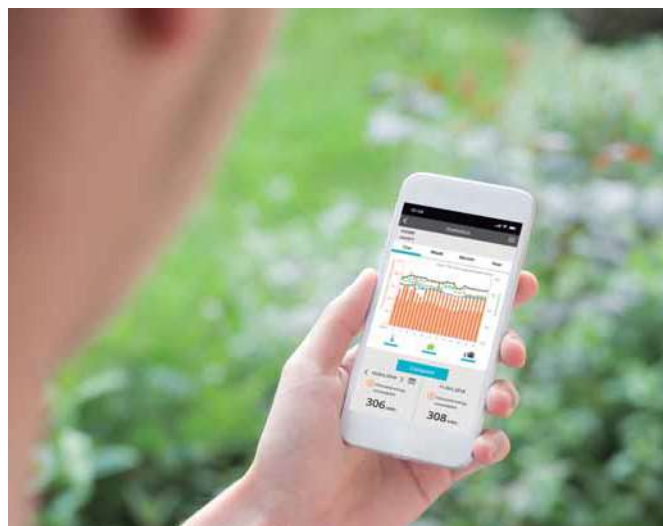
1 New boundaries in control

With Panasonic Comfort Cloud the user can manage all functions of the heat pump plus even more. All functions that your heat pump can include like nanoe™ X air purifier, air Flow direction, speed, temperature setting, mode,... all these can be simply managed through Panasonic Comfort Cloud. Also some other additional functions can be easily managed through the App including:
· All ON/OFF at once. For sites with more than one unit in one site, user can turn them all ON or OFF with just one click
· Set weekly timer. Set up to 6 events per day, 42 in a week, easy, intuitive and fast
· Pre-heat or cool. Control your house or office comfort - before you arrive!
· Error code notification. If trouble occurs, error notification or maintenance code is shown

2 Energy monitor and statistics

Knowing the energy each unit uses when operating is key to see opportunities to reduce the energy bill. Panasonic Comfort Cloud stores the energy consumption* of each unit, which can then be shown in easy and powerful statistics graphs. This function is available from VKE, TKE and UKE generation.
With the weekly timer the operation can be adjusted to optimize the usage of the energy.

*Estimated energy consumption data accuracy is depending on power supply quality.

3 Scalability and users management

Easily to include additional units and locations as well as including several users with different access rights. This creates more possibilities to manage family house, a second house and also provides opportunities for small/medium sized offices or multi-tenant properties.
· Up to 200 units. Up to 10 Locations (20 units per site)
· User's control rights. Main user can set up other users with limited rights on units and set up
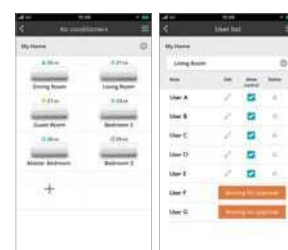
Compatibility: Most Panasonic Domestic range are compatible with CZ-TACG1 WLAN accessory: CS-VZ**SKE, CS-XZ**VKEW, CS-Z**VKEW, CS-TZ**TKEW, CS-RZ**VKEW, CS-FZ**UKE, CS-UZ**VKE, CS-PZ**VKE, CS-DZ**VKE, CS-Z**TKEA, CS-Z**UFEAW, CS-Z**UB4EAW, CS-Z**UD3EAW, , CS-XE**SKEW, CS-E**SKEM-M, CS-TE**TKEW, CS-FE**UKE, CS-BE**TKE, CS-DE**TKE, CS-E**PKEA, CS-E**PB4EA, CS-E**PD3EA. VKE generation will be also compatible. For built-in WLAN such as CS-Z**VKEW, CS-MZ16VKE and CS-XZ**VKEW it is not required the accessory CZ-TACG1.
Remark: indoor temperature display and some special functions are not available through the App for all models. Languages: Available in 19 European languages: Bulgarian, Croatian, Czech, Danish, Deutsch, English, Estonian, Finnish, French, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Slovenian, Spanish, Swedish and Turkish.
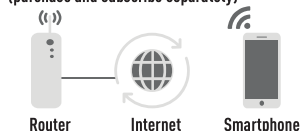
Panasonic Comfort Cloud for internet control - CZ-TACG1

Indoor Unit

Network Adaptor (CZ-TACG1)

Other hardware requirements (purchase and subscribe separately)

Router | Internet | Smartphone

Download free App

Panasonic Comfort Cloud

Input Voltage	DC 12V
Power Consumption	Max. 660mW
Size (H x W x D)	66 x 36 x 12mm
Mass	Approx. 85g
Interface	1 x Wireless LAN
Wireless LAN Standard	IEEE 802.11 b/g/n
Frequency Range	2,4GHz band
Encryption	WPA2-PSK (TKIP/AES)

NEW SKY CONTROLLER VERSATILE CONTROL UP
Enjoy innovative design at your fingertips with the new stylish and sleek Backlit Sky Controller.

With fast access to key operations and a smooth gliding cover revealing more options, controlling your settings has become simple and intuitive. With a width of 58,9mm and a length of 164,7mm, the Sky Controller fits comfortably into your hand.

Backlit led screen

The Sky Controller reveals its settings in a better light thanks to the new backlit screen. Now you can adjust your settings without having to switch on the lights.

Distinctive sliding cover

A smooth sliding cover does not only enhance the remote's clean lines, but keeps the buttons free from dirt and smudges.

Precise temperature control

With the Sky Controller's 0,5°C temperature control, enjoy more precise temperature regulation and experience greater comfort.

ACCESSORIES AND CONTROL

Accessories Interfaces

CZ-TACG1 0000 €
Panasonic Comfort Cloud for internet control.

CZ-CAPRA1 0000 €
RAC interface adapter for integration into P-Link.

PAW-IR-WIFI-1 0000 €
Interface (Etherea, 4 Way 60x60 Cassette and Hide Away).

PAW-AC-KNX-1i 0000 €
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-MBS-1 0000 €
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-ENO-1i 0000 €
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-BAC-1 0000 €
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-DIO 0000 €
This interface can be used with all models which have a CN-RMT connector.

PAW-AC-HEAT-1 0000 €
Heating only PCB for Etherea, 4 Way 60x60 Cassette and Hide Away.

PAW-SMSCONTROL 0000 €
Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card).

Individual Controls

CZ-RD514C 0000 €
Wired remote controller for wall type.

CZ-RD52CP 0000 €
Wired remote controller for Cassette.

CZ-RL511D 0000 €
NEW Infrared remote controller Sky Remote. 2m cable length of infrared receiver for Hide Away (available in April 2019).

Panel

CZ-BT20EW 0000 €
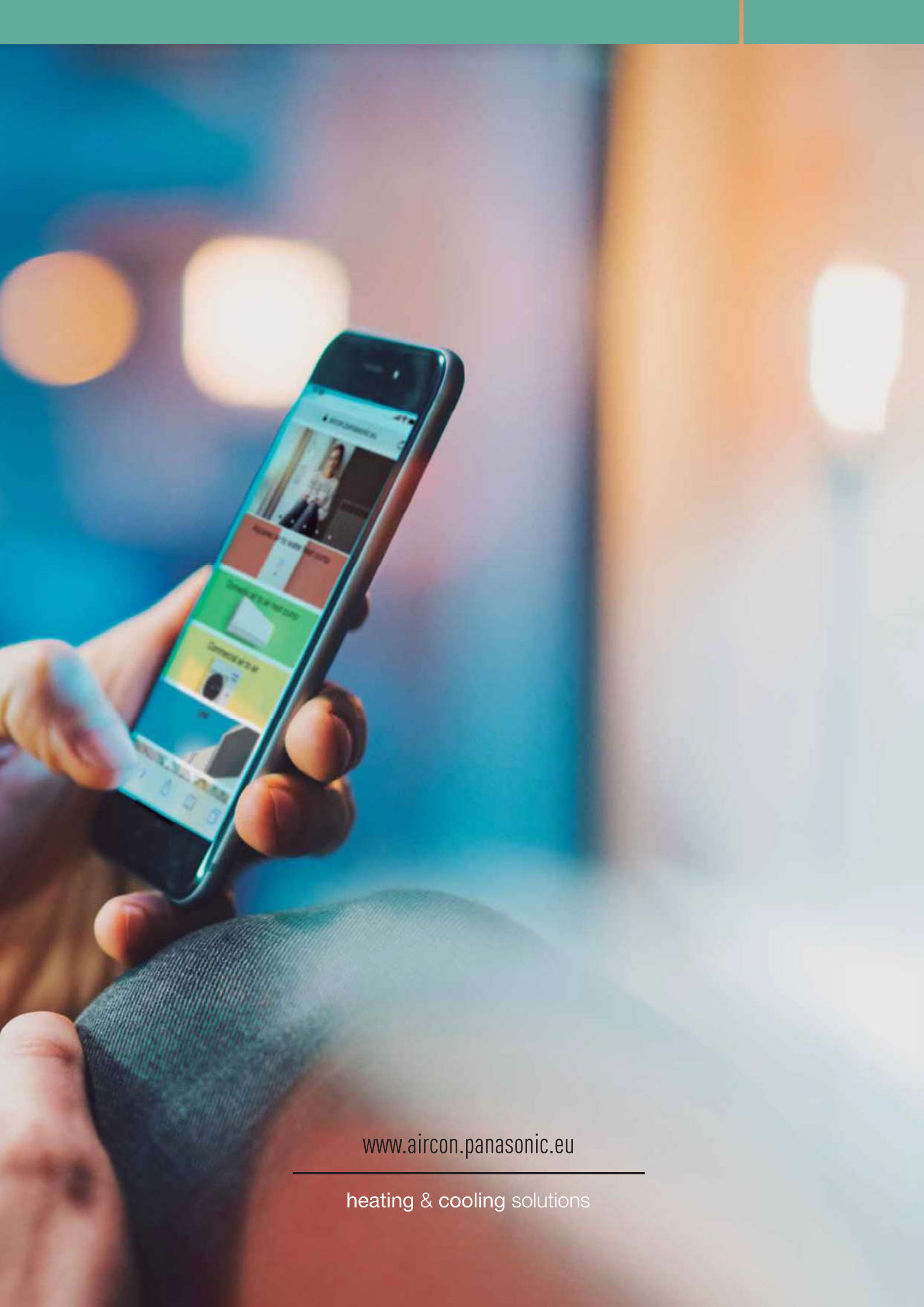RAL9010 panel for 4 Way 60x60 Cassette.

www.aircon.panasonic.eu

heating & cooling solutions

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.

Panasonic®

**To find out how Panasonic cares for you,
log on to: www.aircon.panasonic.eu**

Panasonic Marketing Europe GmbH
Panasonic Air Conditioning
Hagenauer Strasse 43, 65203 Wiesbaden, Germany