

NEW PRODUCTS 2018 — 2019

**EFFICIENT SOLUTIONS  
PRICE LIST**



# PANASONIC R2 ROTARY COMPRESSOR

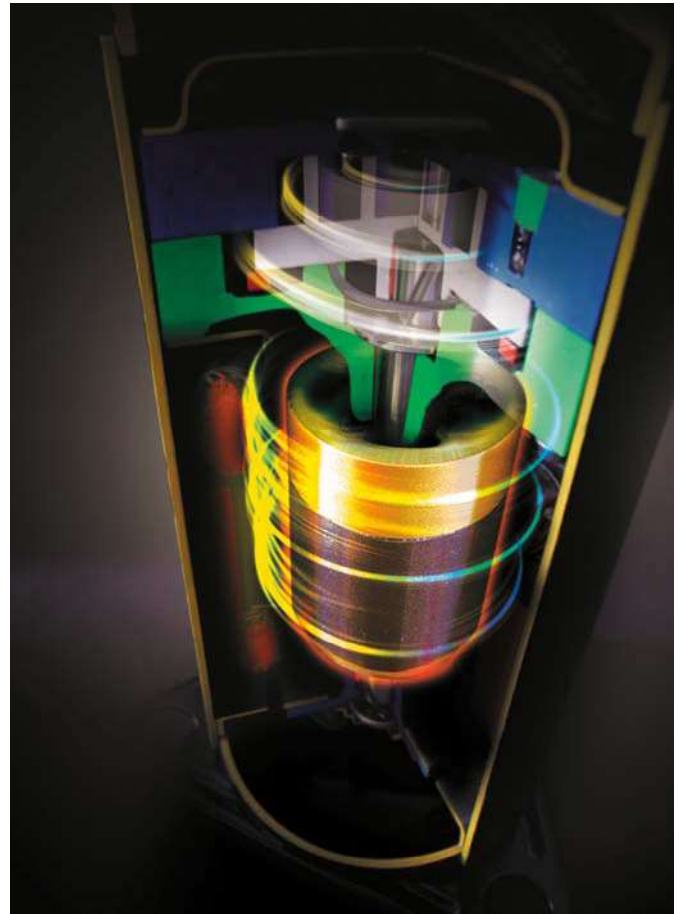
## Making the world a cooler place since 1978

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

## Why is the Panasonic R2 Rotary Compressor so efficient?

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

- **HIGHER EFFICIENCY**
- **SINGLE AND DUAL PISTON**
- **R32 / R-410A REFRIGERANT**
- **COMPACT SIZE**



## R2 Compressor Value

### About R2 Compressor.

Built upon 36 years of compressor design and production experience, R2 is the next generation of Rotary Compressors for residential central air conditioning.

New technology improvements, enhanced materials and simple design ensure R2 compressors are reliable, efficient and quiet. The R2 Compressor delivers quality, comfort and peace of mind in homes around the world.

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

For the high performance that home-owners demand, R2 Rotary Compressors are the best air conditioning engines for today's residential cooling solutions.

### Leading Technology.

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

### Benefits.

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



#### Vane - Long Life.

The special Physical Vapour Deposition (PVD) coating applied to the Vane greatly enhances the durability and life of the compressor mechanism.

#### Piston - Durable.

The piston is made of unique high-grade steel that prevents wear and extends operation life.

## NEW FLOOR CONSOLE R32 GAS



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

- New R32 refrigerant gas
- A breakthrough design that combines perfectly with the most modern environments. We have selected the best materials and processes for a refined design
- Using nanoe™ X with nano-technology, fine particles purify the air in the room
- High efficiency rank A++ SEER and A++ SCOP
- Control your comfort and efficiency with the lowest energy consumption with internet control
- New wireless control

\* Tentative data.

**nanoe™ X**





Splits 1x1

R32



**CZ-TACG1**  
Panasonic Wifi kit for  
internet control.



## NEW 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 <sup>1)</sup>	Nominal (Min - Max)	W/W	4,81 [3,54 - 3,78] A	4,07 [3,54 - 3,73] A	3,60 [3,53 - 3,15] A
SEER <sup>2)</sup>		W/W	7,90 <b>A++</b>	8,10 <b>A++</b>	6,70 <b>A++</b>
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 (ErP) <sup>3)</sup>		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 <sup>1)</sup>	Nominal (Min - Max)	W/W	4,47 [3,54 - 3,70] A	3,98 [3,54 - 3,43] A	3,74 [3,46 - 3,12] A
SCOP <sup>2)</sup>		W/W	4,60 <b>A++</b>	4,60 <b>A++</b>	4,30 <b>A++</b>
Pdesign at -10°C		kW	2,7	3,2	4,4
Input power heating	Nominal (Min - Max)	kW	0,76 [0,24 - 1,35]	1,08 [0,24 - 1,75]	1,55 [0,26 - 2,60]
Annual energy consumption (ErP) <sup>3)</sup>		kWh/a	822	974	1433
<b>Indoor unit</b>			<b>CS-Z25UFEAW</b>	<b>CS-Z35UFEAW</b>	<b>CS-Z50UFEAW</b>
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 <sup>4)</sup>	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
<b>Outdoor unit</b>			<b>CU-Z25UBEA</b>	<b>CU-Z35UBEA</b>	<b>CU-Z50UBEA</b>
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 <sup>4)</sup>	Cool / Heat (Hi)	dB(A)	46 / 47	48 / 48	48 / 48
Dimension <sup>5)</sup>	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) <sup>6)</sup>		m	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32)		kg/TCO <sub>2</sub> Eq.	0,88 / 0,594	0,93 / 0,628	1,13 / 0,763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
<b>Kit Price</b>			€		
Indoor unit Price			€		
Outdoor unit Price			€		

Accessories	Price €
<b>CZ-TACG1</b> <b>NEW</b> Panasonic Wifi kit for internet control	
<b>CZ-CAPRA1</b> Panasonic Wireless Lan Kit for internet control	

Accessories	Price €
<b>CZ-RD52CP</b> Wired remote controller for Floor Console and Cassette	

1) EER and COP classification is at 230V in accordance with EU directive 2002/31/EC. 2) Energy Label Scale from A+++ to G. 3) The annual energy consumption is calculated in accordance with the ErP directive. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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

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

## New CZ-TACG1 Panasonic Wifi kit: Control your comfort and efficiency with the lowest energy consumption

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

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



NEW  
18



## Easy connectivity









CN-CNT easy to access. Previous Etherea indoor unit had to be dismantled to reach connector.

### Can easier connect:

- Wifi accessory
- KNX
- Modbus
- New CZ-CAPRA1 to integrate to PACi control

## Accessories

Accessories Interfaces		Price €
	<b>CZ-TACG1</b> <span style="color: green;">NEW</span> Panasonic Wifi kit for internet control	
	<b>CZ-CAPRA1</b> Domestic with CZ-CNT port integration to PACi and ECOi	
	<b>PAW-IR-WIFI-1</b> Interface (Etherea, 4 Way 60x60 Cassette and Hide Away)	
	<b>PAW-AC-KNX-1i</b> KNX interface for TKE and UKE models	
	<b>PAW-AC-MBS-1</b> Modbus interface for TKE and UKE models	
	<b>PAW-AC-ENO-1i</b> EnOcean interface for TKE and UKE models	
	<b>PAW-AC-BAC-1</b> BacNet interface for TKE and UKE models	

	<b>PAW-AC-DIO</b> PCB for wall mounted with dry contacts, On/Off, Error message [all QKE and RKE wall mounted]	
	<b>PAW-AC-HEAT-1</b> Heating only PCB for Etherea, 4 Way 60x60 Cassette and Hide Away	
	<b>PAW-SMSCONTROL</b> Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card)	
Individual Controls		Price €
	<b>CZ-RD514C</b> Wired remote controller for wall type	
	<b>CZ-RD52CP</b> Wired remote controller for Floor Console and Cassette	
Panel		Price €
	<b>CZ-BT20EW</b> <span style="color: green;">NEW</span> RAL9010 panel for 4 Way 60x60 Cassette	