

## 4 WAY 60x60 CASSETTE INVERTER



Specially designed for offices, retail and restaurant applications, this cassette fits perfectly into 60x60 or 70x70 ceiling grids.

Featuring the best efficiency in its category (heating and cooling up to -10°C, this new cassette in 9 and 12 kW versions can also be connected to KNX, Modbus, EnOcean interfaces for easy integration with your BMS systems. Interfaces have dry contacts (ON/OFF, error message) to enable easy integration.

With the new Intesishome interface, you can also control the cassette from your smartphone and internet very easily!

Fit Panasonic's Cassette Type, and start to save all year round!

### Technical focus

- Cassettes can be controlled by Intesishome, KNX, EnOcean and Modbus
- This units can be installed on R22 pipings
- Designed for easy installation in the standard European 60x60 ceiling grid
- Operation down to -10°C in cooling and heating modes
- Piping length up to 30 m
- Maximum elevation difference up to 20 m
- Ultra compact outdoor units for easy installation
- High pressure selector in case of high ceilings (higher than 2,7 m)
- Drain pump included (max. 750 mm high)
- Air fresh entry available on the cassette

KIT			KIT-E9-PB4EA	KIT-E12-PB4EA	KIT-E18-RB4EA	KIT-E21-RB4EA
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,40 (0,85 - 4,00)	5,00 (0,90 - 5,80)	5,90 (0,90 - 6,30)
EER <sup>1)</sup>	Nominal (Min - Max)	W/W	4,55 (3,54 - 4,05) A	3,82 (3,54 - 3,33) A	3,13 (3,53 - 2,97) B	2,88 (3,53 - 2,86) C
SEER		W/W	5,80 <b>A+</b>	5,60 <b>A+</b>	5,80 <b>A+</b>	5,60 <b>A+</b>
Pdesign (cooling)		kW	2,50	3,40	5,00	5,90
Power input cooling	Nominal (Min - Max)	kW	0,550 (0,240 - 0,740)	0,890 (0,240 - 1,200)	1,600 (0,255 - 1,950)	2,050 (0,255 - 2,200)
Annual electricity consumption (cooling) <sup>2)</sup>		kWh/a	151	213	302	369
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	Nominal	kW	2,60	3,00		
COP <sup>1)</sup>	Nominal (Min - Max)	W/W	4,00 (3,70 - 3,56) A	3,17 (3,7 - 2,80) D	3,01 (3,46 - 2,92) D	2,86 (3,46 - 2,84) D
SCOP	Nominal	W/W	4,00 <b>A+</b>	3,80 <b>A</b>	4,10 <b>A+</b>	4,10 <b>A+</b>
Pdesign at -10°C		kW	2,70	3,00	3,80	4,00
Power input heating	Nominal (Min - Max)	kW	0,800 (0,230 - 1,350)	1,420 (0,230 - 2,000)	1,860 (0,260 - 2,430)	2,450 (0,260 - 2,820)
Annual electricity consumption (heating) <sup>2)</sup>		kWh/a	945	1.105	1.298	1.366
<b>Indoor Unit</b>			<b>CS-E9PB4EA</b>	<b>CS-E12PB4EA</b>	<b>CS-E18RB4EAW</b>	<b>CS-E21RB4EAW</b>
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	16
Connection		mm <sup>2</sup>	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5
Air volume	Cooling / Heating	m <sup>3</sup> /h	630 / 648	630 / 648	690 / 708	744 / 876
Moisture removal volume		l/h	1,5	2,3	2,8	3,3
Sound pressure level <sup>3)</sup>	Cooling — Heating (Hi / Lo / S-Lo)	dB(A)	34 / 26 / 23 — 35 / 28 / 25	34 / 26 / 23 — 35 / 28 / 25	37 / 28 / 25 — 38 / 29 / 26	42 / 33 / 30 — 43 / 34 / 31
Dimensions (H x W x D)	Indoor / Panel	mm	260 x 575 x 575 / 51 x 700 x 700	260 x 575 x 575 / 51 x 700 x 700	260 x 575 x 575 / 51 x 700 x 700	260 x 575 x 575 / 51 x 700 x 700
Net weight	Indoor / Panel	kg	18 / 2,5	18 / 2,5	18 / 2,5	18 / 2,5
<b>Outdoor Unit</b>			<b>CU-E9PB4EA</b>	<b>CU-E12PB4EA</b>	<b>CU-E18RBEA</b>	<b>CU-E21RBEA</b>
Sound pressure level <sup>3)</sup>	Cooling / Heating (Hi)	dB(A)	45 / 46	45 / 47	47 / 48	49 / 50
Dimensions <sup>4)</sup> / Net weight	H x W x D	mm / kg	622 x 824 x 299 / 36	695 x 875 x 320 / 45	695 x 875 x 320 / 47	695 x 875 x 320 / 47
Piping connections	Liquid / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out)		m	3 - 20 / 15	3 - 20 / 15	3 - 30 / 20	3 - 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 20	10 / 20
Operating range	Cooling — Heating (Min / Max)	°C	-10 / +43 — -10 / +24	-10 / +43 — -10 / +24	-10 / +43 — -10 / +24	-10 / +43 — -10 / +24

Accessories	
PAW-AC-WIFI-1	Full bidirectional Wifi interface for Internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control

Accessories	
CZ-RD52CP	Wired remote control for Cassette and Hide Away
CZ-CAPR1	H Generation interface to ECoI control integration (available in June 2016)

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 1,5m below the ceiling in the centre of the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70mm for piping port.

CU-E9PB4EA

CU-E12PB4EA  
CU-E18RBEA  
CU-E21RBEA

Included

Optional wired remote control  
CZ-RD514C

Panel  
CZ-BT20E

A+

A+

INVERTER

R2 ROTARY COMPRESSOR

23dB(A) SUPER QUIET

-10°C COOLING MODE

-10°C HEATING MODE

R22 R410A R32 RENEWAL

INTERNET CONTROL

CONNECTIVITY

SEER and SCOP: For KIT-E9-PB4EA. SUPER QUIET: For KIT-E9-PB4EA and KIT-E12-PB4EA. INTERNET CONTROL: Optional.