

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!



INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-E9-PB4EA.

KIT			KIT-E9-PB4EA	KIT-E12-PB4EA	KIT-E18-RB4EA	KIT-E21-RB4EA
Indoor			CS-E9PB4EA	CS-E12PB4EA	CS-E18RB4EAW	CS-E21RB4EAW
Outdoor			CU-E9PB4EA	CU-E12PB4EA	CU-E18RBEA	CU-E21RBEA
Panel			CZ-BT20E	CZ-BT20E	CZ-BT20E	CZ-BT20E
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)
	Nominal (Min - Max)	kCal/h	2.150 (731 - 2.780)	2.920 (730 - 3.440)	4.300 (770 - 4.990)	5.070 (770 - 5.420)
EER ¹⁾	Nominal (Min - Max)	Energy Saving	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		Energy Saving	5,80 A+	5,60 A+	5,80 A+	5,60 A+
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) ²⁾		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)
	Nominal (Min - Max)	kCal/h	2.752 (731 - 4.130)	3.870 (730 - 4.820)	4.820 (770 - 6.110)	6.020 (770 - 6.880)
Heating capacity at -7°C	Nominal	kW	2,60	3,00		
COP ¹⁾	Nominal (Min - Max)	Energy Saving	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	Energy Saving	4,00 A+	3,80 A+	4,10 A+	4,10 A+
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) ²⁾		kWh/a	945	1.105	1.298	1.366
Indoor Unit						
Power source	V		230	230	230	230
Recommended fuse	A		16	16	16	16
Recommended power cable section	mm ²		1,5	1,5	1,5	1,5
Connection	mm ²		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
Current (Nominal)	Cooling / Heating	A	2,65 / 3,85	4,20 / 6,50	7,20 / 8,30	9,10 / 11,10
Air volume	Cooling / Heating	m ³ /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 ³⁾	Cooling (Hi / Lo / S-Lo)	dB(A)	34 / 26 / 23	34 / 26 / 23	37 / 28 / 25	42 / 33 / 30
	Heating (Hi / Lo / S-Lo)	dB(A)	35 / 28 / 25	35 / 28 / 25	38 / 29 / 26	43 / 34 / 31
Sound power level	Cooling (Hi)	dB	50	50	53	58
	Heating (Hi)	dB	51	51	54	59
Dimensions (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
Dust filter			Yes	Yes	Yes	Yes
Outdoor Unit						
Power source	V		230	230	230	230
Air volume	Cooling / Heating	m ³ /h	1.830 / 1.734	1.980 / 1.836	2.352 / 2.352	2.424 / 2.424
Sound pressure level ³⁾	Cooling / Heating (Hi)	dB(A)	45 / 46	45 / 47	47 / 48	49 / 50
Sound power level	Cooling / Heating (Hi)	dB	58 / 61	60 / 62	61 / 62	63 / 64
Dimensions ⁴⁾	H x W x D	mm	622 x 824 x 299	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320
Net weight		kg	36	45	47	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)
Refrigerant loading	R410A	kg	1,13	1,13	1,23	1,30
Elevation difference (in/out)	Max	m	15	15	20	20
Piping length	Min / Max	m	3 / 20	3 / 20	3 / 30	3 / 30
Precharge length	Max	m	10	10	10	10
Additional charge		g/m	20	20	20	20
Operating range	Cooling (Min / Max)	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating (Min / Max)	°C	-10 / +24	-10 / +24	-10 / +24	-10 / +24

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)

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 1,5 m 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 70 mm for piping port.

Specifications subject to change without notice.

For detailed information about ErP, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.



Technical focus

- **NEW!** 18 and 21 kW models
- Cassettes can be controlled by Intesishome, KNX, EnOcean and Modbus
- These 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
- Real time clock with single ON&OFF timer
- 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

Features

HEALTHY AIR

- Odour-removing function

ENERGY, EFFICIENCY AND ECOLOGY

- Maximum efficiency Inverter system

COMFORT

- Super Quiet
- Powerful mode
- Automatic vertical airflow control ambient temperature
- Hot start mode
- Real time clock with single ON&OFF timer
- Automatic restart after power cut

EASE OF USE

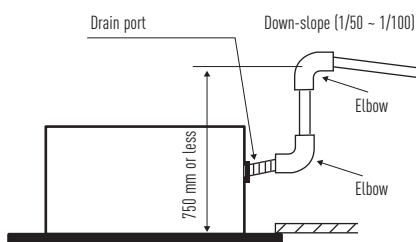
- Ergonomic infrared remote control

EASY INSTALLATION AND MAINTENANCE

- Removable, washable panel of the indoor unit
- Top panel maintenance access for the outdoor unit

INDOOR UNIT DRAIN PIPING

The height of drain may be possible up to 750 mm.



CU-E9PB4EA



CU-E12PB4EA
CU-E18RBEA



Included



Optional wired remote
control CZ-RD5ZCP



Panel CZ-BT20E