

WALL MOUNTED RE TYPE STANDARD INVERTER



Included for RE9,
and RE12

Included for
RE18 and RE24

Optional wired remote
control CZ-RD514C



CU-RE9RKE



CU-RE12RKE



CU-RE18RKE



CU-RE24RKE



CS-RE18RKE // CS-RE24RKE

RE Inverter models are powerful and efficient, with an outstanding energy ranking of A++/A+, unique in the market! The RE works up to an outdoor temperature of -15 °C in heating mode and -10 °C up to an outdoor temperature of -15 °C in heating and -10 °C in cooling and still with a high efficiency and capacity! Furthermore, the annual energy consumption has never been so low.

Technical focus

- Wired Controller (optional)
- This units can be installed on R22 pipings
- Complete line-up of standard Inverter models
- Quieter indoor units
- High energy savings
- Long connection distance (from 15 m up to 30 m)

Kit			KIT-RE9-RKE	KIT-RE12-RKE	KIT-RE18-RKE	KIT-RE24-RKE
Indoor			CS-RE9RKEW	CS-RE12RKEW	CS-RE18RKEW	CS-RE24RKEW
Outdoor			CU-RE9RKE	CU-RE12RKE	CU-RE18RKE	CU-RE24RKE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 3,90)	5,00 (0,98 - 6,00)	6,80 (0,98 - 8,10)
EER ¹⁾	Nominal (Min - Max)	Energy Saving	3,73 (3,40 - 3,16) A	3,50 (3,33 - 3,28) A	3,40 (3,50 - 2,96) A	3,24 (2,58 - 3,03) A
SEER	Nominal	Energy Saving	6,10 A++	6,10 A++	6,70 A++	6,00 A+
Pdesign (cooling)		kW	2,5	3,5	5,0	6,8
Power input cooling	Nominal (Min - Max)	kW	0,670 (0,250 - 0,950)	1,000 (0,255 - 1,190)	1,470 (0,280 - 2,030)	2,100 (0,380 - 2,670)
Annual electricity consumption (cooling) ²⁾		kWh/a	143	201	261	397
Heating capacity	Nominal (Min - Max)	kW	3,30 (0,80 - 4,10)	4,00 (0,80 - 5,10)	5,80 (0,98 - 8,00)	8,60 (0,98 - 9,90)
Heating capacity at -7 °C	Nominal	kW	2,70	3,30	4,98	6,13
COP ¹⁾	Nominal (Min - Max)	Energy Saving	4,13 (4,10 - 3,63) A	3,81 (4,00 - 3,59) A	3,77 (2,88 - 3,08) A	3,30 (2,18 - 3,16) C
SCOP	Nominal	Energy Saving	4,00 A+	4,00 A+	4,10 A+	3,80 A
Pdesign at -10 °C		kW	2,4	2,8	4,4	5,5
Power input heating	Nominal (Min - Max)	kW	0,800 (0,195 - 1,130)	1,050 (0,200 - 1,420)	1,540 (0,340 - 2,600)	2,610 (0,450 - 3,130)
Annual electricity consumption (heating) ²⁾		kWh/a	840	980	1.502	2.026
Indoor Unit						
Connection (indoor/outdoor)		mm ²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5
Current (Nominal)	Cooling / Heating	A	2,95 / 3,50	4,40 / 4,60	6,60 / 6,90	9,60 / 11,70
Maximum current		A	5,0	6,2	11,4	14,5
Air volume	Cooling / Heating	m ³ /h	702 / 768	762 / 804	978 / 1.074	1.104 / 1.170
Moisture removal volume		l/h	1,5	2,0	2,8	3,9
Sound pressure level ³⁾	Cooling — Heating (Hi / Lo / Q-Lo)	dB(A)	41 / 26 / 22 — 41 / 27 / 24	42 / 30 / 22 — 42 / 33 / 25	44 / 37 / 34 — 44 / 37 / 34	47 / 38 / 35 — 47 / 38 / 35
Sound power level	Cooling / Heating (Hi)	dB	57 / 57	58 / 58	60 / 60	63 / 63
Dimensions / Net weight	H x W x D	mm / kg	290 x 870 x 214 / 9	290 x 870 x 214 / 9	290 x 1.070 x 240 / 12	290 x 1.070 x 240 / 12
Silver decoration sheet			Yes	Yes	Yes	Yes
Outdoor 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	2,5	2,5
Air volume	Cooling / Heating	m ³ /h	1.926 / 1.872	1.998 / 1.998	2.352 / 2.274	3.012 / 3.012
Sound pressure level ³⁾	Cooling / Heating (Hi)	dB(A)	47 / 48	48 / 50	47 / 47	52 / 52
Sound power level	Cooling / Heating (Hi)	dB	62 / 63	63 / 65	61 / 61	66 / 66
Dimensions ⁴⁾ / Net weight	H x W x D	mm / kg	542 x 780 x 289 / 31	619 x 824 x 299 / 34	695 x 875 x 320 / 46	795 x 875 x 320 / 67
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) / 5/8 (15,88)
Refrigerant loading	R410A	kg	0,85	0,99	1,19	1,80
Elevation difference (in/out)	Max	m	15	15	15	20
Piping length	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
Precharge length	Max	m	7,5	7,5	7,5	10,0
Additional charge		g/m	20	20	20	30
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating Min / Max	°C	-15 / +24	-15 / +24	-15 / +24	-15 / +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 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: The lowest fan speed. Lo: The second lowest fan speed (the lowest fan speed for RE18/24). 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.co.uk or www.ptc.panasonic.eu.

Internet Control Ready

Energy saving

6,70 A++ SEER

4,10 A+ SCOP

Silent air 22 dB(A)

Possible to use on R22 pipings

Dry contact with additional PCB-PAW-AC-DIO

5 year compressor warranty

INTERNET CONTROL

INVERTER

SEASONAL ENERGY EFFICIENCY RATIO

SEASONAL COEFFICIENT OF PERFORMANCE

SUPER QUIET

R22 RENEWAL

SIMPLE CONNECTION

INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-RE18-RKE. SUPER QUIET: For RE9 and RE12. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.