

LOW STATIC PRESSURE HIDE AWAY INVERTER



Designed for homes, offices, retail and restaurants, this Duct is ideal for small rooms where the air conditioning and the heating should be nicely integrated and where high comfort and efficiency is needed.

The new 9 and 12kW duct can also be connected to KNX, Modbus, EnOcean interfaces for easy integration with your BMS systems. This interfaces have dry contacts (ON/OFF, error message) for easy integration.

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

Technical focus

- Duct type can be controlled by Intesishome, KNX, EnOcean and Modbus
- This units can be installed on R22 pipings
- Eco mode for 20% energy saving
- Extremely compact indoor units without losing static pressure (only 235 mm high)
- Weekly timer, 42 settings per week
- Easy check mode for failure detection
- Drain pump included (max. 200 mm)

KIT			KIT-E9-PD3EA	KIT-E12-QD3EA	KIT-E18-RD3EA
Cooling capacity	Nominal (Min - Max)	kW	2.50 (0.85 - 3.00)	3.40 (0.85 - 4.00)	5.10 (0.90 - 5.70)
EER ¹⁾	Nominal	W/W	4.24 (3.54 - 3.95) A	3.86 (3.54 - 3.45) A	3.19 (3.53 - 3.13) B
SEER		W/W	5.80 h	5.60 a	5.80 h
Pdesign (cooling)		kW	2.50	3.40	5.10
Power input cooling	Nominal (Min - Max)	kW	0.590 (0.240 - 0.760)	0.880 (0.240 - 1.160)	1.600 (0.255 - 1.820)
Annual electricity consumption (cooling) ²⁾		kWh/a	151	213	308
Heating capacity	Nominal (Min - Max)	kW	3.20 (0.85 - 4.60)	4.00 (0.85 - 5.10)	6.10 (0.90 - 7.10)
Heating capacity at -7°C	Nominal	kW	2.60	3.00	4.30
COP ¹⁾	Nominal	W/W	3.72 (3.7 - 3.33) A	3.54 (3.7 - 3.29) B	3.33 (3.46 - 3.26) C
SCOP	Nominal	W/W	4.20 h	3.80 a	3.90 a
Pdesign at -10°C		kW	2.60	2.90	4.00
Power input heating	Nominal (Min - Max)	kW	0.860 (0.230 - 1.380)	1.130 (0.230 - 1.550)	1.830 (0.260 - 2.180)
Annual electricity consumption (heating) ²⁾		kWh/a	867	1,068	1,436
Indoor Unit			CS-E9PD3EA	CS-E12QD3EAW	CS-E18RD3EAW
Power source		V	230		
Recommended fuse		A	16		
Connection		mm ²	4 x 1.5 to 2.5		
External static pressure ³⁾		Pa	N/A		
Air volume	S-Hi / Hi / Me / Lo	m ³ /h	414 / 486	558 / 624	918 / 918
Moisture removal volume		l/h	1.50	2.30	2.80
Sound pressure level ⁴⁾	Cooling — Heating (Hi / Lo / S-Lo)	dB(A)	33 / 27 / 24 — 35 / 28 / 25	34 / 27 / 24 — 36 / 28 / 25	41 / 30 / 27 — 41 / 32 / 29
Dimensions	H x W x D	mm	235 x 750 x 370		
Net weight		kg	17		
Outdoor Unit			CU-E9PD3EA	CU-E12QD3EA	CU-E18RBEA
Sound pressure level ⁴⁾	Cooling / Heating (Hi)	dB(A)	47 / 47	47 / 48	
Dimensions ⁵⁾	H x W x D	mm	622 x 824 x 299	695 x 875 x 320	
Net weight		kg	36	45	
Piping connections	Liquid / Gas pipe	Inch	1/4 / 3/8		1/4 / 1/2
Piping length range / Elevation difference (in/out)		m	3 ~ 20 / 15		3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m	7.5 / 20		10 / 20
Operating range		°C	-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-CAPRA1	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 specification listed on the table indicates values under the condition of 29 Pa (3.0 mmHg) which are applied for factory default setting. Change switch on PCB from Hi to Shi to have more than 6.0 mmHg. 4) The Sound pressure level of the units shows the value measured of a position of 1.5m below the unit with 1 m duct on the suction side and 2 m duct on the discharge side. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Add 100 mm for indoor unit or 70mm for outdoor unit for piping port.



CU-E9PD3EA

CU-E12PD3EA
CU-E18RBEA

Included



SEER and SCOP: For KIT-E9-PD3EA. INTERNET CONTROL and INTEGRATION P-LINE: Optional. 5 YEARS COMPRESSOR WARRANTY: Only for PRO Partners.

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.co.uk or www.plc.panasonic.eu.