

HIGH STATIC PRESSURE HIDE AWAY 20-25kW BIG PACi INVERTER+

Panasonic breaks new ground in offering high performance and power in a small space. The 20-25 kW from Panasonic is ideally suited for large retail applications and other large areas not needing the higher capacities of VRF systems. The lightweight and compact design enables easier installation in any commercial space. The twin fan system saves valuable footprint compared to traditional 20-25kW systems which are larger and therefore require more space.

			Three Phase	
			20.0 kW	25.0 kW
KIT			KIT-200PE2E8-C4	KIT-250PE2E8-C4
Indoor			S-200PE2E5	S-250PE2E5
Outdoor			U-200PE1E8	U-250PE1E8
Timer remote controller			CZ-RTC4	CZ-RTC4
Cooling capacity	Nominal (Min - Max)	kW	19.5 (6.0 - 22.4)	25.0 (6.0 - 28.0)
EER ¹⁾	Nominal	W/W	3.04 B	3.04 B
SEER ²⁾		W/W		
Power input cooling	Nominal	kW	6.42	6.42
Running amperes		A	—	—
Heating capacity	Nominal (Min - Max)	kW	22.4 (6.0 - 25.0)	28.0 (6.0 - 31.5)
Heating capacity at -7°C ³⁾	Nominal	kW	17.34	21.85
Heating capacity at -15°C ³⁾	Nominal	kW	16.00	20.16
COP ¹⁾	Nominal	W/W	3.54 B	3.54 B
SCOP ⁴⁾		W/W		
Power input heating	Nominal	kW	6.32	6.32
Running amperes		A	—	—
Indoor unit				
Power source		V / ph / Hz	220 - 230 / 240 / 1 / 50	
External static pressure at shipment (with booster cable)		Pa	140 (60 / 270) ⁴⁾	140 (60 / 270) ⁴⁾
Air volume	Hi / Med / Lo	m³/h	3,360 / 3,060 / 2,640	4,320 / 3,780 / 3,180
Moisture removal volume	Cooling	l/h	—	—
Sound pressure level ⁵⁾	Hi / Med / Lo	dB(A)	43 / 41 / 38	47 / 45 / 42
Sound power level	Hi / Med / Lo	dB	75 / 73 / 70	79 / 77 / 74
Dimensions	H x W x D	mm	479 x 1,453 x 1,205	479 x 1,453 x 1,205
Net weight		kg	100	104
Outdoor unit				
Power source		V / ph / Hz	380 / 400 / 415 / 3+N / 50	
Recommended fuse		A	15	20
Air volume	Cooling / Heating	m³/h	7,740	
Sound pressure level ⁵⁾	Cooling / Heating (Hi)	dB(A)	57 / 57	
Sound power level		dB	72	
Dimensions ⁶⁾	H x W x D	mm	1,526 x 940 x 340	
Net weight		kg	118	
Piping connections	Liquid pipe	Inch	3/8	1/2
	Gas pipe	Inch	1	
Refrigerant loading		kg	5.3	
Piping length / Elevation difference (in/out) ⁷⁾		m	5 - 100 / 30	
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 40	
Operating range	Cooling Min / Max	°C	-15 / +46	
	Heating Min / Max	°C	-20 / +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, Energy Saving Classification, is at 220 / 240 V (380 / 415 V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a(EER25)+b(EER50)+c(EER75)+d(EER100) where EER25, EER50, EER75 and EER100 are the EER measured value at 25%, 50%, 75% and 100% part load for temperatures 20, 25, 30 and 35°C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0.2, b=0.36, c=0.32 and d=0.03. The internal temperatures are taken at 27°C DB and 19°C WB. 3) Heating capacity is calculated including defrost factor correction. 4) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 5) The sound pressure Level of the units shows the value measured of a position 1 meter in front of the main body and 1.5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.

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: Optional.

**HIGH
HEATING
CAPACITY
AT -7°C**



Optional Controller
Wired remote controller
CZ-RTC5



Optional Controller
Timer remote controller
CZ-RTC4



Optional Controller
Wireless remote controller
CZ-RWSK2 + CZ-RWSC3



Optional Controller
Simplified remote controller
CZ-RE2C2



Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Technical focus

- High efficiency inverter system
- Cooling with low outdoor temperatures (down to -15°C)
- Maximum pipe length 100 m (more than 40% longer than other split systems)
- Multifunctional wireless remote control with built-in temperature control
- Fresh air supply for improved air quality

Features

Energy efficiency and ecology

- Maximum efficiency Inverter system
- R410A environmentally friendly refrigerant gas

Comfort

- Cooling with low outdoor temperatures (down to -15°C)
- Heating with low outdoor temperatures (down to -20°C)
- Selection of temperature sensor at indoor unit or wired remote control

Easy of use

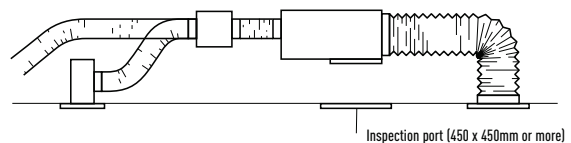
- Weekly On/Off timer (6 settings per day and 42 per week)
- Selection of wired / Wireless and simplified wired remote controller

Easy installation and maintenance

- High static pressure units ideal for shops and offices

System example

An inspection port (450 x 450 mm or more) is required at the lower side of the indoor unit body. Distributor (field supply).



Plenums

Air Outlet Plenum (suitable for rigid + flexible duct)

	N. of exits with diameters	Model
S-250PE1E8	1 x 500 mm	CZ-TREMIESPW706
S-200PE1E8A	1 x 450 mm	CZ-TREMIESPW705

Accessories



PAW-GR0BSE20
Outdoor base ground support
for noise and vibration
absorption (600 x 95 x 130
mm, 500 kg)



PAW-PACR3
Interfaces to run 3 units on
Backup and alternative run.

NEW



U-200PE1E8
U-250PE1E8