

AHU connection kit 3,6 to 25,0 kW for PACi NX and PACi

Compatible with R32 or R410A outdoor units.



3 types of AHU connection kit: Advanced, Medium and Light

Model Code	IP 65	0-10 V demand control*	Outdoor temperature shift compensation. Cold draft prevention
NEW PAW-280PAH3M	Yes	Yes	No
PAW-280PAH2	Yes	Yes	Yes
PAW-280PAH2M	Yes	Yes	No
PAW-280PAH2L	Yes	No	No

* With CZ-CAPBC2.

Control options

Control option 1: Advanced, Medium and Light.

- The system's control is simple: control of actual suction temperature vs. set point
- Control works in the same way as that of any indoor unit
- Fan signal issued by the PCB (OFF while defrosting, for instance)

Control option 2: Advanced.

- System control by probe located at air intake. Sensor works as a 0-10 V control thermostat which manages the set point temperature.
- Additional probe on the air outlet helps to prevent cold drought
- All signals as per standard

Control option 3: Advanced.

- System control by external environment probe. Sensor works as a 0-10 V control thermostat which manages the set point temperature. Enhances efficiency by adjusting capacity to the ambient temperature and enhances comfort as well
- All signals as per standard

Control option 4: Advanced and Medium.

- System control by a 0-10 V control working from an external BMS that manages the set point for the temperature or the capacity. Enhances efficiency by adjusting capacity and enhances comfort as well
- All signals as per standard

0-10 V control

With the 0-10 V demand control the capacity of the outdoor unit can be controlled by 20 steps.

Input voltage* [V]	0	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5
Demand [% of nominal current]	No cut ¹⁾	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	No limit / Full capacity ²⁾
Indoor unit start / stop	Stop ¹⁾																		Start

¹⁾ No cut/Stop: AHU system / indoor unit is completely switched OFF.

²⁾ No Limit: No restrictions applied by BMS to AHU system / indoor unit performance [equivalent to "full-load operation" of AHU system / indoor unit].



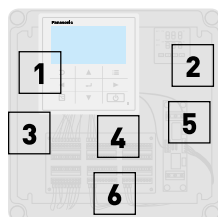
NEW
2021



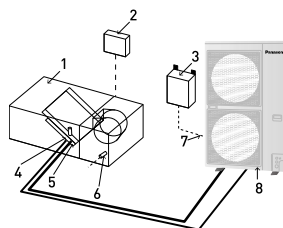
AHU PACi Elite	Cooling capacity	Heating capacity	Dimensions	Piping length	Elevation difference (in/out)
	Nominal	Nominal	H x W x D	Min / Max	Max
	kW	kW	mm	m	m
NEW PAW-280PAH3M	3,6/28,0	3,6/28,0	500 x 400 x 150	5 ~ 90 (U-200)/5 ~ 60 (U-250)*	30
PAW-280PAH2	6,0/25,0	7,0/28,0	278 x 278 x 180	5 ~ 90 (U-200)/5 ~ 60 (U-250)*	30
PAW-280PAH2+PAW-280PAH2	50,0	56,0	278 x 278 x 180	5 ~ 90 (U-200)/5 ~ 60 (U-250)*	30

* For U-200PZH2E8 and U-250PZH2E8.

AHU connection kit / System combination		Air flow	Dimensions	Pipe diameter	
		Min / Max	H x W x D	Liquid pipe	Gas pipe
Outdoor unit capacity	AHU	m³/h	mm	Inch (mm)	Inch (mm)
3,6 kW	PAW-280PAH3M	6,0/14,5	500 x 400 x 150	1/4 (6,35)	1/2 (12,70)
5,0 kW	PAW-280PAH3M	8,5/16,5	500 x 400 x 150	1/4 (6,35)	1/2 (12,70)
6,0 kW	PAW-280PAH3M	13,0/22,0	500 x 400 x 150	3/8 (9,62)	5/8 (15,88)
7,5 kW	PAW-280PAH3M	13,0/22,0	500 x 400 x 150	3/8 (9,62)	5/8 (15,88)
10,0 kW	PAW-280PAH3M	15,0/36,0	500 x 400 x 150	3/8 (9,62)	5/8 (15,88)
12,5 kW	PAW-280PAH3M	19,0/38,0	500 x 400 x 150	3/8 (9,62)	5/8 (15,88)
14,0 kW	PAW-280PAH3M	20,0/40,0	500 x 400 x 150	3/8 (9,62)	5/8 (15,88)
20,0 kW	PAW-280PAH2	36,0/72,0	278 x 278 x 180	3/8 (9,62)	1 (25,40)
25,0 kW	PAW-280PAH2	38,0/84,0	278 x 278 x 180	1/2 (12,70)	1 (25,40)



- 1 Remote control CZ-RTC5B (CZ-RTC6 for PAW-280PAH3M model)
- 2 Intelligent thermostat for:
 - Cold draft prevention
 - Outdoor temperature shift compensation
- 3 Plastic IP 65 Box
- 4 Terminal base for sensors and power supply
- 5 PAW-T10 PCB for Dry Contact
- 6 0-10 V demand control PCB



System and regulations, System overview

- 1 AHU connection kit equipment (field supplied)
- 2 AHU connection kit system controller (field supplied)
- 3 AHU connection kit controller box (with control PCB)
- 4 Thermistor for gas pipe (E2)
- 5 Thermistor for liquid pipe (E1)
- 6 Thermistor for suction air
- 7 Inter-unit wiring
- 8 Outdoor unit

AHU connection kit.



PCB, Power trans,
Terminal block



Thermistor x2
(Refrigerant: E1, E2)



Thermistor
(Air: TA; 1 sensor)



Wired remote
controller,
CZ-RTC5B



Wired remote
controller (for
PACi NX model),
CZ-RTC6

