

Series COOLING ONLY PE-5,6,8,10,12,16,20GAK

50
Hz



Fixed Speed



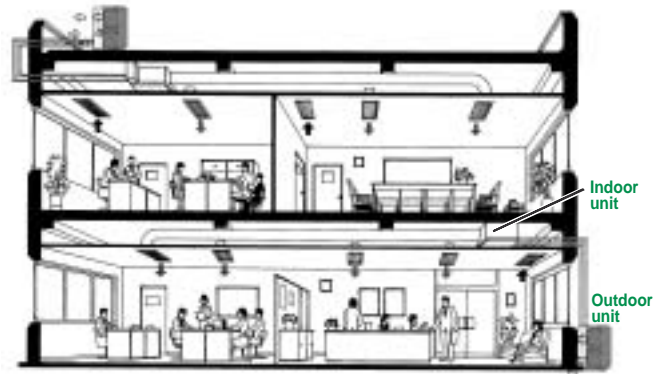
[FEATURES]

Wide range of capacities (5HP-20HP)

Flexible duct design by using high static pressure specifications (150Pa option)



PE-GAK



Highly-functional remote controller

Weekly timer and Multi-language display enables Comfort control and Ease of Use.



PU-YJSA
PU-YAKD



PAR-21MAA



SPECIFICATIONS

(50Hz)

| Model name | | PE-5GAK | PE-6GAK | PE-8GAK | PE-10GAK | PE-12GAK | PE-16GAK | PE-20GAK | | |
|--|--------------------------|--|------------------------|---------------|---|---------------------|-----------------------------|---------------------------|--------------------|----|
| Power source | | 1N- 220/230/240V 50Hz | | | 3N- 380/400/415V 50Hz | | | | | |
| Cooling *2 | Capacity | kW | 12.1 | 15.7 | 21.6 | 26.7 | 30.8 | 43.2 | 53.4 | |
| | | kcal/h | 10,400 | 13,400 | 18,500 | 22,900 | 26,400 | 37,100 | 45,900 | |
| | | Btu/h | 41,000 | 54,000 | 74,000 | 91,000 | 105,000 | 147,000 | 182,000 | |
| | Sensible Capacity | kW | 9.9 | 12.9 | 16.0 | 20.0 | 22.8 | 29.8 | 36.8 | |
| | | kcal/h | 8,500 | 11,000 | 13,700 | 17,200 | 19,500 | 25,600 | 31,600 | |
| | | Btu/h | 34,000 | 44,000 | 55,000 | 68,000 | 78,000 | 102,000 | 126,000 | |
| Power input | kW | 0.87 | | 1.00 | 1.12 (-SP 1.18) | 1.22 | 1.55 | 2.84 | | |
| Current input | A | 4.0 | | 1.8 (-SP 2.0) | 2.0 (-SP 2.3) | 2.3 | 3.8 | 5.4 | | |
| Temperature range of cooling | Indoor | W.B. | 15.5°CWB-22.5°CWB | | 15°CWB-24°CWB | | | | | |
| | Outdoor | D.B | (21)-46°CDB | | (20)-52°CDB ((20)-43°CDB with PAC-SG208SG-E) | | | | | |
| Capacity control | | 0/100 | | | | | | | | |
| Fan | Type x Quantity | Sirocco fan x 1 (-MF Metal fan) | | | Sirocco fan x 2 (-MF Metal fan) | | Sirocco fan x 2 (Metal fan) | | | |
| | Air flow rate (Hi-Lo) | CMM | 50-40 | 55-44 | 65-52 | 80-64 | 90-72 | 120 | 160 | |
| | External static pressure | Pa | 100 (-SP 150) | | | | 100 | 150 | 150 | |
| | Motor output | kW | 0.46 (-SP 0.54) | | 0.75 (-SP 0.77) | | 0.77 | 1.3 | 1.8 | |
| External finish | | Galvanized steel | | | | | | | | |
| External dimension | H x W x D | mm | 400 x 1,180 x 634 | | 400 x 1,400 x 634 | 400 x 1,600 x 634 | | 595 x 1,947 x 764 | | |
| Heat exchanger type | | Cross fin | | | | | | | | |
| Air filter | | Option | | | | | | | | |
| Refrigerant piping diameter Liquid / Gas | | mm | ø9.52 / ø19.05 | | ø15.88 / ø25.4 | ø15.88 / ø28.6 | | ø15.88 / ø25.4 x 2 | ø15.88 / ø28.6 x 2 | |
| Drain piping dimension | | mm | 25.4 (R1) | | | | | | | |
| Noise level *3 | | dB(A) | 46-42 (-SP 48-45) | | 49-45 (-SP 51-48) | | 50-46 (-SP 52-49) | 51-48 | 52 | 53 |
| Net weight | | kg | 56 | 59 | 70 | 77 | 77 | 130 | 133 | |
| Remote controller | | PAR-21MAA (attached) | | | | | | | | |
| Model name | | PU-5YJSA | PU-6YJSA | PU-8YAKD | PU-10YAKD | PU-12YAKD | PU-8YAKD x 2 | PU-10YAKD x 2 | | |
| Power source | | 3N- 380/400/415V 50Hz | | | | | | | | |
| Cooling *1 | Power input | kW | 4.82 | 5.35 | 6.65 | 9.13 | 10.15 | 6.65 x 2 | 9.13 x 2 | |
| | Current input | A | 8.2 | 9.1 | 13.0 | 16.6 | 17.9 | 13.0 x 2 | 16.6 x 2 | |
| | Starting current(50Hz) | A | 66 | 74 | 95.0 | 125.0 | 118.0 | 108 | 141.6 | |
| Refrigerant | Type | R22 | | | | | | | | |
| | Original charge | kg | 5.1 | 5.7 | 6 | 6.5 | 7 | 6 x 2 | 6.5 x 2 | |
| Refrigerant control | | Capillary | | | | | | | | |
| Fan | Type x Quantity | Propeller fan x 2 | | | | | | (Propeller fan x 2) x 2 | | |
| | Air flow rate | CMM | 100 | | | 160 | | 160 x 2 | | |
| | Motor output | kW | 0.1 x 2 | | | 0.15 x 2 | | (0.15 x 2) x 2 | | |
| Compressor | Type | Hermetically closed scroll | | | | | | | | |
| | Motor output | kW | 3.5 | 4.2 | 5.6 | 7.5 | 8.6 | 5.6 x 2 | 7.5 x 2 | |
| | Lubricant | SONTEX 200LT | | | | | | | | |
| | Crankcase heater | kW | - | | | | | 0.09 | 0.09 x 2 | |
| External finish | | Polyester resin coating | | | | | | | | |
| Color | | Munsell 3Y7.8/1.1 | | | | | | | | |
| External dimension | H x W x D | mm | 1,258 x 970 x 345 + 24 | | | 1,480 x 1,047 x 547 | | (1,480 x 1,047 x 547) x 2 | | |
| Heat exchanger type | | Cross fin | | | | | | | | |
| Refrigerant piping diameter Liquid / Gas | | mm | ø9.52 / ø19.05 | | ø15.88 / ø25.4 | ø15.88 / ø28.6 | | ø15.88 / ø25.4 x 2 | ø15.88 / ø28.6 x 2 | |
| Noise level *4 | Cooling | dB(A) | 55 | 56 | 66 | | | | | |
| Net weight | | kg | 114 | 117 | 197 | 206 | 208 | 197 x 2 | 206 x 2 | |
| Protection devices | | High pressure / Thermal switch Thermal relay / Anti phase Internal inherent motor protection | | | High pressure / Low pressure / OCR Internal inherent motor protection of COMP / Internal inherent motor protection | | | | | |

Note 1. Nominal cooling conditions
Indoor: 27°CDB/19°CWB
Outdoor: 35°CDB
Pipe length: 5m(5.6HP) , 7.5m(8-20HP)
2. Cooling capacity is gross capacity which do not include a deduction for evaporator fan motor heat.
3. Measured at 1.5m from the unit's bottom in an anechoic room.
4. Measured at 1m from the unit in an anechoic room.

Optional parts

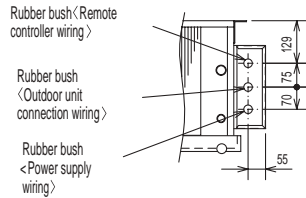
| Item | Special model | Optional part | Applicable model |
|------------------------------|---------------|---------------|-------------------------|
| High-static motor | -SP model | | PE-5/6/8/10GAK |
| Metal fan | -MF model | | PE-5/6/8/10/12GAK |
| Anti-corrosion fin | -BS model | | PU-8/10/12YAKD |
| Air filter | | PAC-KE206AF | PE-5/6GAK |
| | | PAC-KE208AF | PE-8GAK |
| | | PAC-KE210AF | PE-10/12GAK |
| | | PAC-KE220AF | PE-16/20GAK |
| | | PAC-SK209PG-E | PU-8/10/12YAKD |
| Pressure gauge | | PAC-292SG-D | PU-5/6YJSA |
| Air outlet guide | | PAC-SG208SG-E | PU-8/10/12YAKD |
| Air outlet guide (2pcs/pack) | | MAC-399IF-E | PE-5/6/8/10/12/16/20GAK |
| M-NET interface | | PAC-SA47DS-E | PU-5/6YJSA |
| Drain socket | | | |

OUTLINE DIMENSIONS

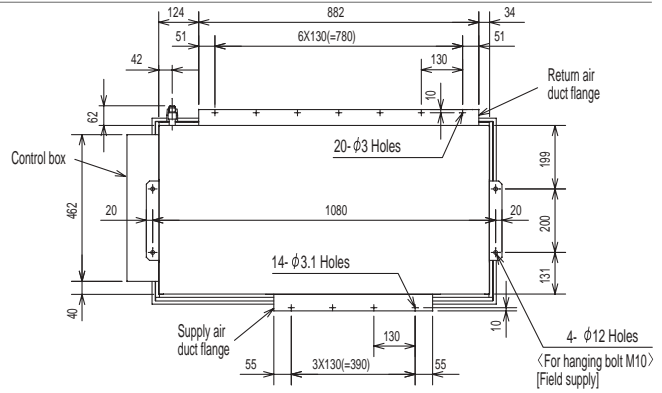
PE-5,6

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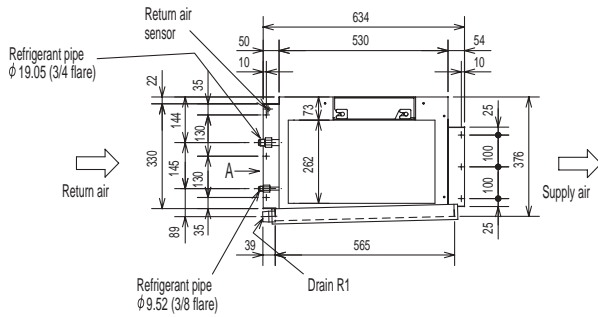
- Pipe cover 2pcs.
 (For dew condensation prevention of local piping and unit connection.)
- Remote controller 1pc.



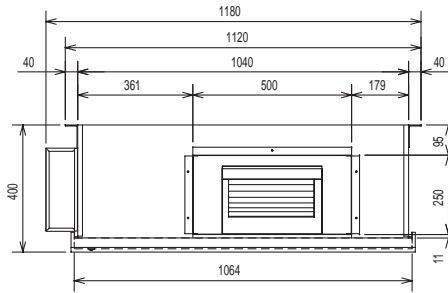
A



Top view



Left side view

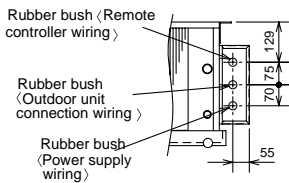


Front view

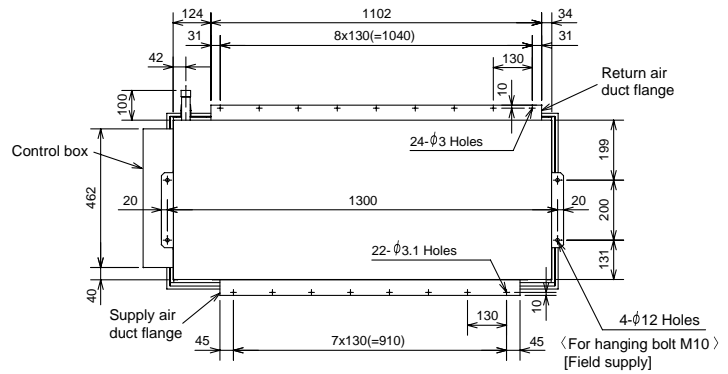
PE-8

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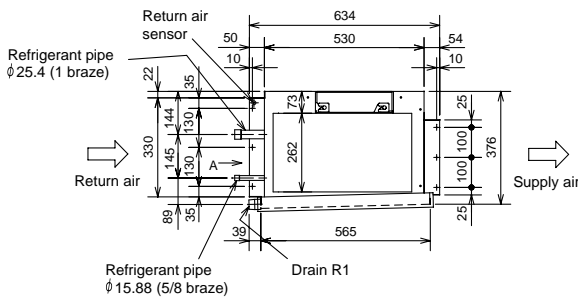
- Pipe cover 2pcs.
 (For dew condensation prevention of local piping and unit connection.)
- Remote controller 1pc.



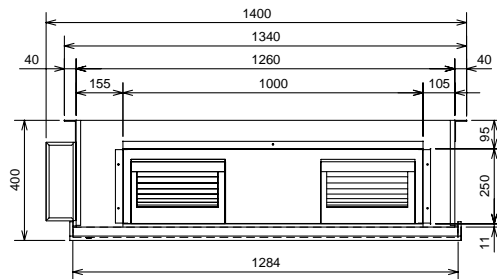
A



Top view



Left side view



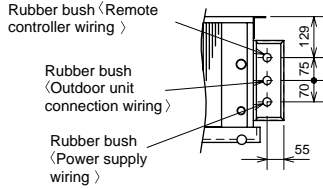
Front view

OUTLINE DIMENSIONS

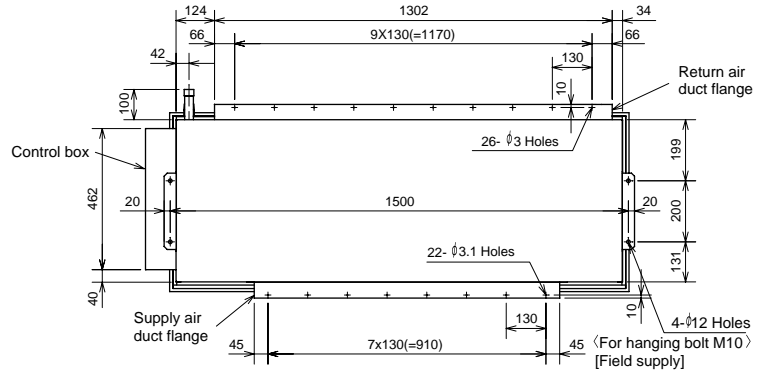
PE-10,12

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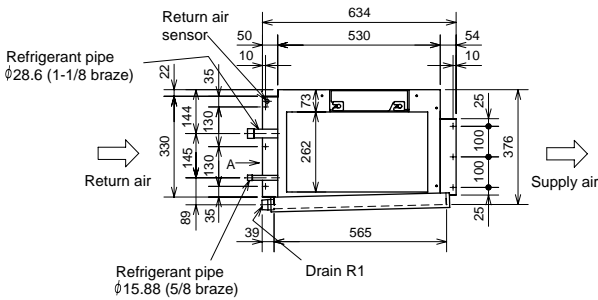
- Pipe cover 2pcs.
(For dew condensation prevention of local piping and unit connection.)
- Remote controller 1pc.



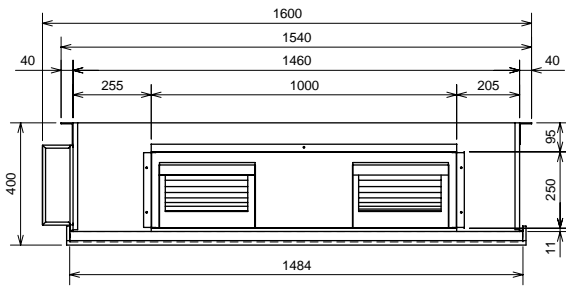
A



Top view



Left side view

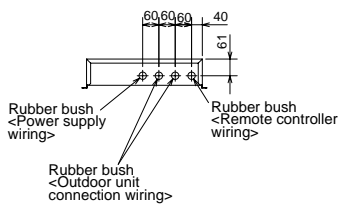


Front view

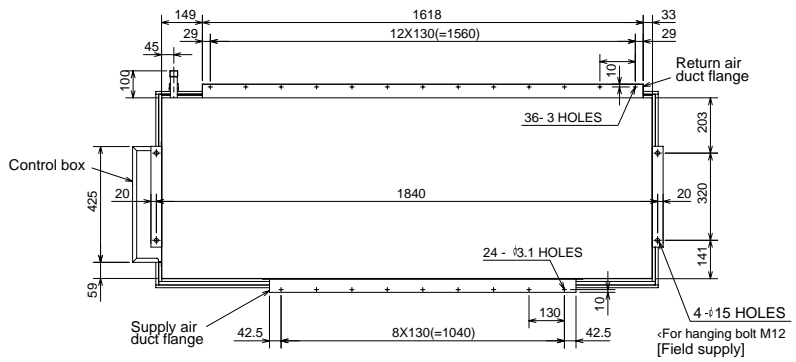
PE-16,20

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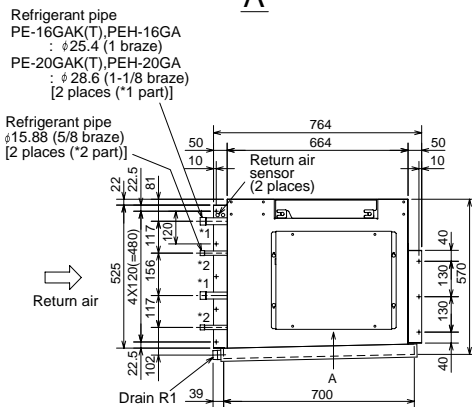
- Pipe cover 4pcs.
(For dew condensation prevention of local piping and unit connection.)
- Remote controller 1pc.



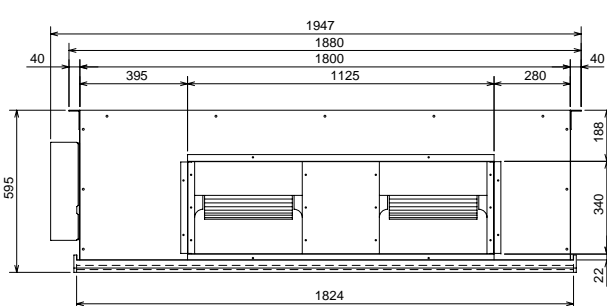
A



Top view



Left side view



Front view

