

Wall mounted

PKFY-P-VAM-E
PKFY-P-VGM-E

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| Model Name | 20 | 25 | 32 | 40 | 50 | 63 | 71 | 80 | 100 | 125 | 140 | 200 | 250 |
|--------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| PKFY-P-VAM-E | ● | ● | | | | | | | | | | | |
| PKFY-P-VGM-E | | | ● | ● | ● | | | | | | | | |

1. Specifications

**PKFY-P-
VAM-E/VGM-E**

| | | | PKFY-P20VAM-E | PKFY-P25VAM-E | PKFY-P32VGM-E | PKFY-P40VGM-E | PKFY-P50VGM-E | |
|-------------------------------------|-----------------------------------|---------------------|--|---------------|---------------|--|-------------------------------|-------------|
| Power source | | | ~ 220-240V 50Hz ~ 220V 60Hz | | | | | |
| Cooling capacity | *1 | kW | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | |
| | *1 | BTU/h | 7,500 | 9,550 | 12,280 | 15,350 | 19,100 | |
| | *2 | kW | 2.3 | 2.9 | 3.7 | 4.7 | 5.8 | |
| | *2 | kcal/h | 2,000 | 2,500 | 3,150 | 4,000 | 5,000 | |
| Heating capacity | *1 | kW | 2.5 | 3.2 | 4.0 | 5.0 | 6.3 | |
| | *1 | BTU/h | 8,530 | 10,750 | 13,640 | 17,060 | 21,500 | |
| | *2 | kW | 2.6 | 3.3 | 4.1 | 5.2 | 6.5 | |
| | *2 | kcal/h | 2,250 | 2,800 | 3,550 | 4,500 | 5,600 | |
| Power consumption | Cooling | kW | 0.04 | | | 0.07 | | |
| | Heating | kW | 0.04 | | | 0.07 | | |
| Current | Cooling | A | 0.20 | | | 0.32 | | |
| | Heating | A | 0.20 | | | 0.32 | | |
| External finish(Munsel No.) | | | Plastic 2.60Y 8.66/0.69 | | | Plastic <PS,ABS> white 0.70Y 8.59/0.97 | | |
| Dimension H x W x D | | mm | 295 x 815 x 158 | | | 340 x 990 x 235 | | |
| Net weight | | kg | 8.5 | | | 16 | | |
| Heat exchanger | | | Cross fin (Aluminum plate fin and copper tube) | | | | | |
| Fan | Type | | Line flow fan X 1 | | | | | |
| | Airflow rate (Lo-Mid2-Mid1-Hi) *3 | m ³ /min | 4.9-5.2-5.6-5.9 | | | 8-9.5-10.5-11.5 | | 9-10-11-12 |
| | External static pressure | | Pa | 0 | | | | |
| Motor | Type | | Single phase induction motor | | | | | |
| | Output | | kW | 0.017 | | 0.030 | | |
| Air filter | | | PP Honeycomb (long life) | | | | | |
| Refrigerant pipe dimension | Gas (Flare) | mm | ø 12.7 | | | | ø 12.7 / ø 15.88 (Compatible) | |
| | Liquid (Flare) | mm | ø 6.35 | | | | ø 6.35 / ø 9.52 (Compatible) | |
| Drain pipe dimension | | | I.D. ø16 (VP-16) | | | I.D. ø20 (VP-20) | | |
| Noise level (Lo-Mid2-Mid1-Hi) *3 *4 | | | dB(A) | 32-33-35-36 | | 33-36-38-41 | | 34-37-40-43 |

Note: *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.

Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB

Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB

*2 Cooling capacity indicates the maximum value at operation under the following condition.

Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)

Heating : Indoor 21°CDB, Outdoor 7°CDB/6°CWB (WR2: water 20°C)

*3 Airflow rate/noise level are in (low-middle2-middle1-high).

*4 It is measured in anechoic room.

2. Capacity Tables

2.1a. Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PKFY-P-VAM-E-VGM-E

CA :Capacity(kW)
SHC:Sensible Heat Capacity(kW)

PKFY-P-VAM-E,VGM-E

| Unit size (Rated kW) | Outdoor air temp. °CDB | Indoor air temp. | | | | | | | | | | | | | |
|-------------------------|---------------------------|--------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
| | | 21.5°CDB 15°CWB | | 23°CDB 16°CWB | | 25°CDB 18°CWB | | 27°CDB 19°CWB | | 28°CDB 20°CWB | | 30°CDB 22°CWB | | 32°CDB 24°CWB | |
| | | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC |
| 20 (2.2) | 20.0 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.5 | 1.6 | 2.6 | 1.6 | 2.8 | 1.6 |
| | 22.5 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.5 | 1.6 | 2.6 | 1.6 | 2.8 | 1.6 |
| | 25.0 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.4 | 1.6 | 2.6 | 1.6 | 2.7 | 1.5 |
| | 27.5 | 2.1 | 1.5 | 2.1 | 1.5 | 2.3 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.5 | 1.5 | 2.7 | 1.5 |
| | 30.0 | 2.0 | 1.5 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.3 | 1.5 | 2.5 | 1.5 | 2.6 | 1.5 |
| | 32.5 | 2.0 | 1.4 | 2.1 | 1.5 | 2.2 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.6 | 1.5 |
| | 35.0 | 2.0 | 1.4 | 2.0 | 1.5 | 2.1 | 1.4 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.5 | 1.5 |
| | 37.5 | 1.9 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.3 | 1.5 | 2.5 | 1.4 |
| | 40.0 | 1.9 | 1.4 | 1.9 | 1.4 | 2.1 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.3 | 1.4 | 2.4 | 1.4 |
| 43.0 | 1.8 | 1.4 | 1.9 | 1.4 | 2.0 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.2 | 1.4 | 2.4 | 1.4 | |
| 25 (2.8) | 20.0 | 2.7 | 1.9 | 2.8 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.3 | 2.0 | 3.5 | 2.0 |
| | 22.5 | 2.7 | 1.9 | 2.8 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.3 | 2.0 | 3.5 | 2.0 |
| | 25.0 | 2.7 | 1.9 | 2.8 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.3 | 2.0 | 3.5 | 1.9 |
| | 27.5 | 2.6 | 1.9 | 2.7 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.2 | 1.9 | 3.4 | 1.9 |
| | 30.0 | 2.6 | 1.8 | 2.7 | 1.9 | 2.8 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 1.9 | 3.3 | 1.9 |
| | 32.5 | 2.5 | 1.8 | 2.6 | 1.9 | 2.8 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 3.1 | 1.9 | 3.3 | 1.9 |
| | 35.0 | 2.5 | 1.8 | 2.6 | 1.8 | 2.7 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 3.0 | 1.9 | 3.2 | 1.8 |
| | 37.5 | 2.5 | 1.8 | 2.5 | 1.8 | 2.7 | 1.8 | 2.7 | 1.8 | 2.8 | 1.9 | 3.0 | 1.8 | 3.1 | 1.8 |
| | 40.0 | 2.4 | 1.7 | 2.5 | 1.8 | 2.6 | 1.8 | 2.7 | 1.8 | 2.8 | 1.8 | 2.9 | 1.8 | 3.1 | 1.8 |
| 43.0 | 2.4 | 1.7 | 2.4 | 1.8 | 2.6 | 1.7 | 2.6 | 1.7 | 2.7 | 1.8 | 2.8 | 1.8 | 3.0 | 1.7 | |
| 32 (3.6) | 20.0 | 3.4 | 2.7 | 3.5 | 2.8 | 3.8 | 2.7 | 3.9 | 2.8 | 4.0 | 2.9 | 4.2 | 2.8 | 4.6 | 2.8 |
| | 22.5 | 3.4 | 2.7 | 3.5 | 2.8 | 3.8 | 2.7 | 3.9 | 2.8 | 4.0 | 2.9 | 4.2 | 2.8 | 4.6 | 2.8 |
| | 25.0 | 3.4 | 2.7 | 3.5 | 2.8 | 3.8 | 2.7 | 3.9 | 2.8 | 4.0 | 2.9 | 4.2 | 2.8 | 4.5 | 2.8 |
| | 27.5 | 3.4 | 2.7 | 3.5 | 2.7 | 3.7 | 2.7 | 3.8 | 2.7 | 3.9 | 2.9 | 4.1 | 2.8 | 4.4 | 2.8 |
| | 30.0 | 3.3 | 2.6 | 3.4 | 2.7 | 3.6 | 2.7 | 3.7 | 2.7 | 3.8 | 2.8 | 4.0 | 2.8 | 4.3 | 2.7 |
| | 32.5 | 3.3 | 2.6 | 3.4 | 2.7 | 3.6 | 2.6 | 3.7 | 2.7 | 3.8 | 2.8 | 4.0 | 2.7 | 4.2 | 2.7 |
| | 35.0 | 3.2 | 2.6 | 3.3 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.7 | 2.8 | 3.9 | 2.7 | 4.1 | 2.7 |
| | 37.5 | 3.2 | 2.5 | 3.2 | 2.6 | 3.4 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.8 | 2.7 | 4.0 | 2.6 |
| | 40.0 | 3.1 | 2.5 | 3.2 | 2.6 | 3.4 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.7 | 2.7 | 4.0 | 2.6 |
| 43.0 | 3.0 | 2.5 | 3.1 | 2.6 | 3.3 | 2.5 | 3.3 | 2.6 | 3.5 | 2.7 | 3.6 | 2.6 | 3.9 | 2.6 | |
| 40 (4.5) | 20.0 | 4.3 | 3.2 | 4.4 | 3.3 | 4.7 | 3.3 | 4.9 | 3.3 | 5.0 | 3.4 | 5.3 | 3.4 | 5.7 | 3.4 |
| | 22.5 | 4.3 | 3.2 | 4.4 | 3.3 | 4.7 | 3.3 | 4.9 | 3.3 | 5.0 | 3.4 | 5.3 | 3.4 | 5.7 | 3.4 |
| | 25.0 | 4.3 | 3.2 | 4.4 | 3.3 | 4.7 | 3.3 | 4.9 | 3.3 | 5.0 | 3.4 | 5.3 | 3.4 | 5.6 | 3.3 |
| | 27.5 | 4.3 | 3.2 | 4.4 | 3.3 | 4.6 | 3.2 | 4.8 | 3.3 | 4.9 | 3.4 | 5.2 | 3.3 | 5.5 | 3.3 |
| | 30.0 | 4.2 | 3.2 | 4.3 | 3.2 | 4.6 | 3.2 | 4.7 | 3.2 | 4.8 | 3.4 | 5.0 | 3.3 | 5.4 | 3.3 |
| | 32.5 | 4.1 | 3.1 | 4.2 | 3.2 | 4.5 | 3.2 | 4.6 | 3.2 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.2 |
| | 35.0 | 4.0 | 3.1 | 4.1 | 3.2 | 4.4 | 3.1 | 4.5 | 3.2 | 4.6 | 3.3 | 4.9 | 3.2 | 5.2 | 3.2 |
| | 37.5 | 3.9 | 3.0 | 4.1 | 3.1 | 4.3 | 3.1 | 4.4 | 3.1 | 4.5 | 3.2 | 4.8 | 3.2 | 5.0 | 3.1 |
| | 40.0 | 3.9 | 3.0 | 4.0 | 3.1 | 4.2 | 3.1 | 4.3 | 3.1 | 4.5 | 3.2 | 4.7 | 3.1 | 5.0 | 3.1 |
| 43.0 | 3.8 | 3.0 | 3.9 | 3.0 | 4.1 | 3.0 | 4.2 | 3.0 | 4.3 | 3.2 | 4.5 | 3.1 | 4.8 | 3.1 | |
| 50 (5.6) | 20.0 | 5.3 | 3.8 | 5.5 | 3.9 | 5.9 | 3.9 | 6.0 | 3.9 | 6.2 | 4.1 | 6.6 | 4.0 | 7.1 | 4.0 |
| | 22.5 | 5.3 | 3.8 | 5.5 | 3.9 | 5.9 | 3.9 | 6.0 | 3.9 | 6.2 | 4.1 | 6.6 | 4.0 | 7.1 | 4.0 |
| | 25.0 | 5.3 | 3.8 | 5.5 | 3.9 | 5.9 | 3.9 | 6.0 | 3.9 | 6.2 | 4.0 | 6.6 | 4.0 | 6.9 | 3.9 |
| | 27.5 | 5.3 | 3.8 | 5.5 | 3.9 | 5.8 | 3.8 | 5.9 | 3.9 | 6.1 | 4.0 | 6.4 | 3.9 | 6.8 | 3.9 |
| | 30.0 | 5.2 | 3.7 | 5.3 | 3.8 | 5.7 | 3.8 | 5.8 | 3.8 | 6.0 | 3.9 | 6.3 | 3.9 | 6.7 | 3.8 |
| | 32.5 | 5.1 | 3.7 | 5.3 | 3.8 | 5.5 | 3.7 | 5.7 | 3.7 | 5.9 | 3.9 | 6.2 | 3.8 | 6.6 | 3.8 |
| | 35.0 | 5.0 | 3.6 | 5.2 | 3.7 | 5.5 | 3.7 | 5.6 | 3.7 | 5.7 | 3.8 | 6.0 | 3.8 | 6.4 | 3.7 |
| | 37.5 | 4.9 | 3.6 | 5.0 | 3.7 | 5.3 | 3.6 | 5.5 | 3.6 | 5.6 | 3.8 | 5.9 | 3.7 | 6.3 | 3.7 |
| | 40.0 | 4.8 | 3.5 | 5.0 | 3.6 | 5.3 | 3.6 | 5.4 | 3.6 | 5.5 | 3.7 | 5.8 | 3.7 | 6.2 | 3.6 |
| 43.0 | 4.7 | 3.5 | 4.8 | 3.6 | 5.1 | 3.5 | 5.2 | 3.5 | 5.4 | 3.7 | 5.7 | 3.6 | 6.0 | 3.6 | |

2.1b. Heating capacity in combination with PUHY,PUY,PURY-P200,250YGM

PKFY-P-VAM-E,VGM-E

SHC:Sensible Heat Capacity(kW)

| Unit size (Rated kW) | Outdoor air temp. °CWB | Indoor air temp.:°CDB | | | |
|-------------------------|---------------------------|-----------------------|------|------|------|
| | | 15.0 | 20.0 | 25.0 | 27.0 |
| 20 (2.2) | -20.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| | -15.0 | 1.6 | 1.5 | 1.5 | 1.5 |
| | -10.0 | 1.8 | 1.8 | 1.8 | 1.7 |
| | -5.0 | 2.1 | 2.1 | 2.0 | 1.8 |
| | 0.0 | 2.4 | 2.4 | 2.0 | 1.8 |
| | 2.5 | 2.5 | 2.5 | 2.0 | 1.8 |
| | 6.0 | 2.6 | 2.5 | 2.0 | 1.8 |
| | 7.5 | 2.7 | 2.5 | 2.0 | 1.8 |
| | 10.0 | 2.9 | 2.5 | 2.0 | 1.8 |
| | 12.5 | 3.0 | 2.5 | 2.0 | 1.8 |
| 15.5 | 3.2 | 2.5 | 2.0 | 1.8 | |
| 25 (2.8) | -20.0 | 1.6 | 1.6 | 1.6 | 1.6 |
| | -15.0 | 2.0 | 2.0 | 1.9 | 1.9 |
| | -10.0 | 2.3 | 2.3 | 2.2 | 2.2 |
| | -5.0 | 2.7 | 2.7 | 2.6 | 2.2 |
| | 0.0 | 3.0 | 3.0 | 2.6 | 2.2 |
| | 2.5 | 3.2 | 3.2 | 2.6 | 2.2 |
| | 6.0 | 3.3 | 3.2 | 2.6 | 2.2 |
| | 7.5 | 3.4 | 3.2 | 2.6 | 2.2 |
| | 10.0 | 3.6 | 3.2 | 2.6 | 2.2 |
| | 12.5 | 3.9 | 3.2 | 2.6 | 2.2 |
| 15.5 | 4.1 | 3.2 | 2.6 | 2.2 | |
| 32 (3.6) | -20.0 | 2.1 | 2.0 | 2.0 | 2.0 |
| | -15.0 | 2.5 | 2.4 | 2.4 | 2.4 |
| | -10.0 | 2.9 | 2.9 | 2.8 | 2.7 |
| | -5.0 | 3.4 | 3.3 | 3.2 | 2.8 |
| | 0.0 | 3.8 | 3.8 | 3.2 | 2.8 |
| | 2.5 | 4.0 | 4.0 | 3.2 | 2.8 |
| | 6.0 | 4.2 | 4.0 | 3.2 | 2.8 |
| | 7.5 | 4.3 | 4.0 | 3.2 | 2.8 |
| | 10.0 | 4.6 | 4.0 | 3.2 | 2.8 |
| | 12.5 | 4.8 | 4.0 | 3.2 | 2.8 |
| 15.5 | 5.1 | 4.0 | 3.2 | 2.8 | |
| 40 (4.5) | -20.0 | 2.6 | 2.5 | 2.5 | 2.5 |
| | -15.0 | 3.1 | 3.1 | 3.0 | 3.0 |
| | -10.0 | 3.7 | 3.6 | 3.5 | 3.4 |
| | -5.0 | 4.2 | 4.2 | 4.0 | 3.5 |
| | 0.0 | 4.7 | 4.7 | 4.0 | 3.5 |
| | 2.5 | 5.0 | 5.0 | 4.0 | 3.5 |
| | 6.0 | 5.2 | 5.0 | 4.0 | 3.5 |
| | 7.5 | 5.4 | 5.0 | 4.0 | 3.5 |
| | 10.0 | 5.7 | 5.0 | 4.0 | 3.5 |
| | 12.5 | 6.0 | 5.0 | 4.0 | 3.5 |
| 15.5 | 6.4 | 5.0 | 4.0 | 3.5 | |
| 50 (5.6) | -20.0 | 3.2 | 3.2 | 3.2 | 3.2 |
| | -15.0 | 3.9 | 3.8 | 3.8 | 3.7 |
| | -10.0 | 4.6 | 4.5 | 4.4 | 4.3 |
| | -5.0 | 5.3 | 5.2 | 5.0 | 4.4 |
| | 0.0 | 6.0 | 5.9 | 5.0 | 4.4 |
| | 2.5 | 6.3 | 6.2 | 5.0 | 4.4 |
| | 6.0 | 6.6 | 6.3 | 5.0 | 4.4 |
| | 7.5 | 6.8 | 6.3 | 5.0 | 4.4 |
| | 10.0 | 7.2 | 6.3 | 5.0 | 4.4 |
| | 12.5 | 7.6 | 6.3 | 5.0 | 4.4 |
| 15.5 | 8.1 | 6.3 | 5.0 | 4.4 | |

2.2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350,400YGM

| Unit size (Rated kW) | | Outdoor air temp. | Indoor air temp. | | | | | | | | | | | | | |
|-------------------------|------|-------------------|--------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
| | | | 21.5°CDB 15°CWB | | 23°CDB 16°CWB | | 25°CDB 18°CWB | | 27°CDB 19°CWB | | 28°CDB 20°CWB | | 30°CDB 22°CWB | | 32°CDB 24°CWB | |
| | | | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC |
| 20 (2.2) | 20.0 | 2.1 | 1.5 | 2.2 | 1.6 | 2.4 | 1.6 | 2.5 | 1.6 | 2.5 | 1.6 | 2.7 | 1.6 | 2.9 | 1.6 | |
| | 22.5 | 2.1 | 1.5 | 2.2 | 1.6 | 2.3 | 1.5 | 2.4 | 1.6 | 2.5 | 1.6 | 2.6 | 1.6 | 2.8 | 1.6 | |
| | 25.0 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.4 | 1.6 | 2.6 | 1.6 | 2.8 | 1.5 | |
| | 27.5 | 2.1 | 1.5 | 2.1 | 1.5 | 2.3 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.5 | 1.6 | 2.7 | 1.5 | |
| | 30.0 | 2.0 | 1.5 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.5 | 1.5 | 2.6 | 1.5 | |
| | 32.5 | 2.0 | 1.4 | 2.0 | 1.5 | 2.2 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.6 | 1.5 | |
| | 35.0 | 2.0 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.5 | 1.5 | |
| | 37.5 | 1.9 | 1.4 | 1.9 | 1.4 | 2.1 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.4 | 1.5 | 2.5 | 1.4 | |
| | 40.0 | 1.9 | 1.4 | 1.9 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.4 | 1.6 | 2.3 | 1.5 | 2.4 | 1.4 | |
| 43.0 | 1.8 | 1.4 | 1.8 | 1.4 | 2.0 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.2 | 1.4 | 2.4 | 1.4 | | |
| 25 (2.8) | 20.0 | 2.7 | 1.9 | 2.8 | 2.0 | 3.0 | 2.0 | 3.1 | 2.0 | 3.2 | 2.1 | 3.4 | 2.0 | 3.6 | 2.0 | |
| | 22.5 | 2.7 | 1.9 | 2.8 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.2 | 2.0 | 3.4 | 2.0 | 3.6 | 2.0 | |
| | 25.0 | 2.7 | 1.9 | 2.7 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.3 | 2.0 | 3.5 | 1.9 | |
| | 27.5 | 2.6 | 1.9 | 2.7 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.2 | 1.9 | 3.4 | 1.9 | |
| | 30.0 | 2.6 | 1.8 | 2.6 | 1.9 | 2.8 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.2 | 1.9 | 3.4 | 1.9 | |
| | 32.5 | 2.5 | 1.8 | 2.6 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 2.9 | 1.9 | 3.1 | 1.9 | 3.3 | 1.9 | |
| | 35.0 | 2.5 | 1.8 | 2.5 | 1.8 | 2.7 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 3.1 | 1.9 | 3.2 | 1.8 | |
| | 37.5 | 2.5 | 1.8 | 2.5 | 1.8 | 2.6 | 1.8 | 2.7 | 1.8 | 2.8 | 1.9 | 3.0 | 1.8 | 3.2 | 1.8 | |
| | 40.0 | 2.4 | 1.7 | 2.4 | 1.8 | 2.6 | 1.8 | 2.7 | 1.8 | 3.0 | 2.0 | 2.9 | 1.8 | 3.1 | 1.8 | |
| 43.0 | 2.4 | 1.7 | 2.4 | 1.7 | 2.5 | 1.7 | 2.6 | 1.7 | 2.7 | 1.8 | 2.8 | 1.8 | 3.0 | 1.8 | | |
| 32 (3.6) | 20.0 | 3.5 | 2.7 | 3.6 | 2.8 | 3.9 | 2.8 | 4.0 | 2.8 | 4.2 | 2.9 | 4.4 | 2.9 | 4.7 | 2.9 | |
| | 22.5 | 3.5 | 2.7 | 3.6 | 2.8 | 3.8 | 2.8 | 4.0 | 2.8 | 4.1 | 2.9 | 4.3 | 2.9 | 4.6 | 2.8 | |
| | 25.0 | 3.4 | 2.7 | 3.5 | 2.7 | 3.8 | 2.7 | 3.9 | 2.8 | 4.0 | 2.9 | 4.2 | 2.8 | 4.5 | 2.8 | |
| | 27.5 | 3.4 | 2.6 | 3.5 | 2.7 | 3.7 | 2.7 | 3.8 | 2.7 | 3.9 | 2.9 | 4.2 | 2.8 | 4.4 | 2.8 | |
| | 30.0 | 3.3 | 2.6 | 3.4 | 2.7 | 3.6 | 2.7 | 3.7 | 2.7 | 3.9 | 2.8 | 4.1 | 2.8 | 4.3 | 2.7 | |
| | 32.5 | 3.3 | 2.6 | 3.3 | 2.7 | 3.5 | 2.6 | 3.7 | 2.7 | 3.8 | 2.8 | 4.0 | 2.8 | 4.2 | 2.7 | |
| | 35.0 | 3.2 | 2.6 | 3.3 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.7 | 2.8 | 3.9 | 2.7 | 4.2 | 2.7 | |
| | 37.5 | 3.2 | 2.5 | 3.2 | 2.6 | 3.4 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.9 | 2.7 | 4.1 | 2.7 | |
| | 40.0 | 3.1 | 2.5 | 3.1 | 2.6 | 3.3 | 2.5 | 3.4 | 2.6 | 3.9 | 2.8 | 3.8 | 2.7 | 4.0 | 2.6 | |
| 43.0 | 3.0 | 2.5 | 3.0 | 2.5 | 3.2 | 2.5 | 3.3 | 2.6 | 3.4 | 2.7 | 3.7 | 2.6 | 3.9 | 2.6 | | |
| 40 (4.5) | 20.0 | 4.4 | 3.2 | 4.5 | 3.3 | 4.9 | 3.3 | 5.0 | 3.4 | 5.2 | 3.5 | 5.5 | 3.5 | 5.9 | 3.4 | |
| | 22.5 | 4.3 | 3.2 | 4.5 | 3.3 | 4.8 | 3.3 | 5.0 | 3.4 | 5.1 | 3.5 | 5.4 | 3.4 | 5.7 | 3.4 | |
| | 25.0 | 4.3 | 3.2 | 4.4 | 3.3 | 4.7 | 3.3 | 4.9 | 3.3 | 5.0 | 3.4 | 5.3 | 3.4 | 5.6 | 3.3 | |
| | 27.5 | 4.2 | 3.2 | 4.3 | 3.2 | 4.6 | 3.2 | 4.8 | 3.3 | 4.9 | 3.4 | 5.2 | 3.4 | 5.5 | 3.3 | |
| | 30.0 | 4.1 | 3.1 | 4.2 | 3.2 | 4.5 | 3.2 | 4.7 | 3.2 | 4.8 | 3.4 | 5.1 | 3.3 | 5.4 | 3.3 | |
| | 32.5 | 4.1 | 3.1 | 4.2 | 3.2 | 4.4 | 3.1 | 4.6 | 3.2 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.2 | |
| | 35.0 | 4.0 | 3.1 | 4.1 | 3.1 | 4.3 | 3.1 | 4.5 | 3.2 | 4.6 | 3.3 | 4.9 | 3.2 | 5.2 | 3.2 | |
| | 37.5 | 4.0 | 3.0 | 4.0 | 3.1 | 4.3 | 3.1 | 4.4 | 3.1 | 4.5 | 3.3 | 4.8 | 3.2 | 5.1 | 3.2 | |
| | 40.0 | 3.9 | 3.0 | 3.9 | 3.0 | 4.2 | 3.0 | 4.3 | 3.1 | 4.9 | 3.4 | 4.7 | 3.2 | 5.0 | 3.1 | |
| 43.0 | 3.8 | 3.0 | 3.8 | 3.0 | 4.1 | 3.0 | 4.2 | 3.0 | 4.3 | 3.2 | 4.6 | 3.1 | 4.8 | 3.1 | | |
| 50 (5.6) | 20.0 | 5.4 | 3.8 | 5.6 | 4.0 | 6.0 | 4.0 | 6.3 | 4.0 | 6.5 | 4.2 | 6.9 | 4.1 | 7.3 | 4.0 | |
| | 22.5 | 5.4 | 3.8 | 5.6 | 3.9 | 6.0 | 3.9 | 6.2 | 4.0 | 6.4 | 4.1 | 6.7 | 4.0 | 7.1 | 4.0 | |
| | 25.0 | 5.3 | 3.8 | 5.5 | 3.9 | 5.9 | 3.9 | 6.0 | 3.9 | 6.2 | 4.0 | 6.6 | 4.0 | 7.0 | 3.9 | |
| | 27.5 | 5.2 | 3.7 | 5.4 | 3.8 | 5.7 | 3.8 | 5.9 | 3.9 | 6.1 | 4.0 | 6.5 | 3.9 | 6.9 | 3.9 | |
| | 30.0 | 5.2 | 3.7 | 5.3 | 3.8 | 5.6 | 3.8 | 5.8 | 3.8 | 6.0 | 3.9 | 6.4 | 3.9 | 6.7 | 3.8 | |
| | 32.5 | 5.1 | 3.7 | 5.2 | 3.7 | 5.5 | 3.7 | 5.7 | 3.8 | 5.9 | 3.9 | 6.2 | 3.8 | 6.6 | 3.8 | |
| | 35.0 | 5.0 | 3.6 | 5.1 | 3.7 | 5.4 | 3.6 | 5.6 | 3.7 | 5.8 | 3.8 | 6.1 | 3.8 | 6.5 | 3.7 | |
| | 37.5 | 4.9 | 3.6 | 5.0 | 3.6 | 5.3 | 3.6 | 5.5 | 3.6 | 5.7 | 3.8 | 6.0 | 3.7 | 6.3 | 3.7 | |
| | 40.0 | 4.8 | 3.5 | 4.8 | 3.6 | 5.2 | 3.5 | 5.3 | 3.6 | 6.1 | 4.0 | 5.9 | 3.7 | 6.2 | 3.6 | |
| 43.0 | 4.7 | 3.5 | 4.7 | 3.5 | 5.0 | 3.5 | 5.2 | 3.5 | 5.3 | 3.7 | 5.7 | 3.6 | 6.0 | 3.6 | | |

CA :Capacity(kW)
SHC:Sensible Heat Capacity(kW)

2.2b. Heating capacity in combination with PUHY,PUY,PURY-P300,350,400YGM

PKFY-P-VAM-E,VGM-E SHC:Sensible Heat Capacity(kW)

| Unit size (Rated kW) | Outdoor air temp. °CWB | Indoor air temp.:°CDB | | | |
|-------------------------|---------------------------|-----------------------|------|------|------|
| | | 15.0 | 20.0 | 25.0 | 27.0 |
| 20 (2.2) | -20.0 | 1.3 | 1.3 | 1.3 | 1.2 |
| | -15.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| | -10.0 | 1.8 | 1.8 | 1.7 | 1.6 |
| | -5.0 | 2.0 | 2.0 | 1.9 | 1.6 |
| | 0.0 | 2.3 | 2.3 | 1.9 | 1.6 |
| | 2.5 | 2.4 | 2.4 | 1.9 | 1.6 |
| | 6.0 | 2.6 | 2.5 | 1.9 | 1.6 |
| | 7.5 | 2.7 | 2.5 | 1.9 | 1.6 |
| | 10.0 | 2.8 | 2.5 | 1.9 | 1.6 |
| | 12.5 | 2.9 | 2.5 | 1.9 | 1.6 |
| 15.5 | 2.9 | 2.5 | 1.9 | 1.6 | |
| 25 (2.8) | -20.0 | 1.7 | 1.6 | 1.6 | 1.5 |
| | -15.0 | 1.9 | 1.9 | 1.9 | 1.9 |
| | -10.0 | 2.2 | 2.2 | 2.2 | 2.0 |
| | -5.0 | 2.6 | 2.6 | 2.4 | 2.0 |
| | 0.0 | 2.9 | 2.9 | 2.4 | 2.0 |
| | 2.5 | 3.1 | 3.0 | 2.4 | 2.0 |
| | 6.0 | 3.3 | 3.2 | 2.4 | 2.0 |
| | 7.5 | 3.4 | 3.2 | 2.4 | 2.0 |
| | 10.0 | 3.5 | 3.2 | 2.4 | 2.0 |
| | 12.5 | 3.7 | 3.2 | 2.4 | 2.0 |
| 15.5 | 3.7 | 3.2 | 2.4 | 2.0 | |
| 32 (3.6) | -20.0 | 2.1 | 2.0 | 2.0 | 1.9 |
| | -15.0 | 2.4 | 2.4 | 2.4 | 2.3 |
| | -10.0 | 2.8 | 2.8 | 2.7 | 2.6 |
| | -5.0 | 3.2 | 3.2 | 3.0 | 2.6 |
| | 0.0 | 3.6 | 3.6 | 3.0 | 2.6 |
| | 2.5 | 3.8 | 3.8 | 3.0 | 2.6 |
| | 6.0 | 4.1 | 4.0 | 3.0 | 2.6 |
| | 7.5 | 4.2 | 4.0 | 3.0 | 2.6 |
| | 10.0 | 4.4 | 4.0 | 3.0 | 2.6 |
| | 12.5 | 4.6 | 4.0 | 3.0 | 2.6 |
| 15.5 | 4.6 | 4.0 | 3.0 | 2.6 | |
| 40 (4.5) | -20.0 | 2.6 | 2.5 | 2.5 | 2.4 |
| | -15.0 | 3.0 | 3.0 | 3.0 | 2.9 |
| | -10.0 | 3.5 | 3.5 | 3.4 | 3.2 |
| | -5.0 | 4.0 | 4.0 | 3.8 | 3.2 |
| | 0.0 | 4.5 | 4.5 | 3.8 | 3.2 |
| | 2.5 | 4.8 | 4.7 | 3.8 | 3.2 |
| | 6.0 | 5.1 | 5.0 | 3.8 | 3.2 |
| | 7.5 | 5.3 | 5.0 | 3.8 | 3.2 |
| | 10.0 | 5.5 | 5.0 | 3.8 | 3.2 |
| | 12.5 | 5.8 | 5.0 | 3.8 | 3.2 |
| 15.5 | 5.8 | 5.0 | 3.8 | 3.2 | |
| 50 (5.6) | -20.0 | 3.3 | 3.2 | 3.2 | 3.0 |
| | -15.0 | 3.8 | 3.8 | 3.8 | 3.7 |
| | -10.0 | 4.4 | 4.4 | 4.3 | 4.0 |
| | -5.0 | 5.0 | 5.0 | 4.7 | 4.0 |
| | 0.0 | 5.7 | 5.7 | 4.7 | 4.0 |
| | 2.5 | 6.0 | 6.0 | 4.7 | 4.0 |
| | 6.0 | 6.5 | 6.3 | 4.7 | 4.0 |
| | 7.5 | 6.7 | 6.3 | 4.7 | 4.0 |
| | 10.0 | 7.0 | 6.3 | 4.7 | 4.0 |
| | 12.5 | 7.2 | 6.3 | 4.7 | 4.0 |
| 15.5 | 7.2 | 6.3 | 4.7 | 4.0 | |

2.3a. Cooling capacity in combination with PUHY,PURY-P500,650YGM

PKFY-P-VAM-E,VGM-E CA :Capacity(kW)
SHC:Sensible Heat Capacity(kW)

| Unit size (Rated kW) | Outdoor air temp. | Indoor air temp. | | | | | | | | | | | | | |
|-------------------------|-------------------|--------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|
| | | 21.5°CDB 15°CWB | | 23°CDB 16°CWB | | 25°CDB 18°CWB | | 27°CDB 19°CWB | | 28°CDB 20°CWB | | 30°CDB 22°CWB | | 32°CDB 24°CWB | |
| | | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC | CA | SHC |
| 20 (2.2) | 20.0 | 2.1 | 1.5 | 2.1 | 1.5 | 2.3 | 1.5 | 2.4 | 1.5 | 2.5 | 1.6 | 2.6 | 1.6 | 2.8 | 1.6 |
| | 22.5 | 2.1 | 1.5 | 2.1 | 1.5 | 2.3 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.6 | 1.6 | 2.7 | 1.5 |
| | 25.0 | 2.0 | 1.5 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.6 | 1.6 | 2.7 | 1.5 |
| | 27.5 | 2.0 | 1.5 | 2.1 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.5 | 1.5 | 2.6 | 1.5 |
| | 30.0 | 2.0 | 1.4 | 2.0 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.4 | 1.6 | 2.5 | 1.5 | 2.7 | 1.5 |
| | 32.5 | 2.0 | 1.4 | 2.0 | 1.5 | 2.2 | 1.5 | 2.2 | 1.5 | 2.3 | 1.5 | 2.5 | 1.5 | 2.6 | 1.5 |
| | 35.0 | 2.0 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.3 | 1.5 | 2.5 | 1.5 | 2.6 | 1.5 |
| | 37.5 | 1.9 | 1.4 | 2.0 | 1.4 | 2.1 | 1.4 | 2.2 | 1.4 | 2.3 | 1.5 | 2.4 | 1.5 | 2.6 | 1.5 |
| | 40.0 | 1.9 | 1.4 | 1.9 | 1.4 | 2.1 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.4 | 1.5 | 2.6 | 1.5 |
| 43.0 | 1.9 | 1.4 | 1.9 | 1.4 | 2.1 | 1.4 | 2.1 | 1.4 | 2.2 | 1.5 | 2.4 | 1.5 | 2.6 | 1.5 | |
| 25 (2.8) | 20.0 | 2.6 | 1.9 | 2.7 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.3 | 2.0 | 3.5 | 1.9 |
| | 22.5 | 2.6 | 1.9 | 2.7 | 1.9 | 2.9 | 1.9 | 3.0 | 1.9 | 3.1 | 2.0 | 3.3 | 2.0 | 3.5 | 1.9 |
| | 25.0 | 2.6 | 1.8 | 2.7 | 1.9 | 2.9 | 1.9 | 2.9 | 1.9 | 3.1 | 2.0 | 3.2 | 1.9 | 3.5 | 1.9 |
| | 27.5 | 2.6 | 1.8 | 2.6 | 1.9 | 2.8 | 1.9 | 2.9 | 1.9 | 3.0 | 2.0 | 3.2 | 1.9 | 3.4 | 1.9 |
| | 30.0 | 2.5 | 1.8 | 2.6 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 3.0 | 1.9 | 3.2 | 1.9 | 3.4 | 1.9 |
| | 32.5 | 2.5 | 1.8 | 2.6 | 1.8 | 2.7 | 1.8 | 2.8 | 1.8 | 3.0 | 1.9 | 3.2 | 1.9 | 3.4 | 1.9 |
| | 35.0 | 2.5 | 1.8 | 2.5 | 1.8 | 2.7 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 3.1 | 1.9 | 3.3 | 1.9 |
| | 37.5 | 2.5 | 1.8 | 2.5 | 1.8 | 2.7 | 1.8 | 2.8 | 1.8 | 2.9 | 1.9 | 3.1 | 1.9 | 3.3 | 1.9 |
| | 40.0 | 2.4 | 1.7 | 2.5 | 1.8 | 2.7 | 1.8 | 2.7 | 1.8 | 2.9 | 1.9 | 3.1 | 1.9 | 3.3 | 1.9 |
| 43.0 | 2.4 | 1.7 | 2.5 | 1.8 | 2.6 | 1.8 | 2.7 | 1.8 | 2.8 | 1.9 | 3.0 | 1.9 | 3.2 | 1.8 | |
| 32 (3.6) | 20.0 | 3.4 | 2.7 | 3.5 | 2.7 | 3.7 | 2.7 | 3.9 | 2.8 | 4.0 | 2.9 | 4.2 | 2.8 | 4.5 | 2.8 |
| | 22.5 | 3.4 | 2.6 | 3.5 | 2.7 | 3.7 | 2.7 | 3.8 | 2.7 | 4.0 | 2.9 | 4.2 | 2.8 | 4.5 | 2.8 |
| | 25.0 | 3.3 | 2.6 | 3.4 | 2.7 | 3.7 | 2.7 | 3.8 | 2.7 | 3.9 | 2.9 | 4.2 | 2.8 | 4.4 | 2.8 |
| | 27.5 | 3.3 | 2.6 | 3.4 | 2.7 | 3.6 | 2.7 | 3.7 | 2.7 | 3.9 | 2.8 | 4.1 | 2.8 | 4.3 | 2.7 |
| | 30.0 | 3.3 | 2.6 | 3.3 | 2.7 | 3.6 | 2.7 | 3.7 | 2.7 | 3.9 | 2.8 | 4.1 | 2.8 | 4.4 | 2.8 |
| | 32.5 | 3.2 | 2.6 | 3.3 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.8 | 2.8 | 4.1 | 2.8 | 4.3 | 2.7 |
| | 35.0 | 3.2 | 2.6 | 3.3 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.7 | 2.8 | 4.0 | 2.8 | 4.3 | 2.7 |
| | 37.5 | 3.2 | 2.5 | 3.2 | 2.6 | 3.5 | 2.6 | 3.5 | 2.6 | 3.7 | 2.8 | 4.0 | 2.7 | 4.2 | 2.7 |
| | 40.0 | 3.1 | 2.5 | 3.2 | 2.6 | 3.4 | 2.6 | 3.5 | 2.6 | 3.7 | 2.8 | 4.0 | 2.7 | 4.2 | 2.7 |
| 43.0 | 3.1 | 2.5 | 3.2 | 2.6 | 3.4 | 2.6 | 3.5 | 2.6 | 3.6 | 2.7 | 3.9 | 2.7 | 4.2 | 2.7 | |
| 40 (4.5) | 20.0 | 4.3 | 3.2 | 4.4 | 3.3 | 4.7 | 3.3 | 4.8 | 3.3 | 5.0 | 3.4 | 5.3 | 3.4 | 5.7 | 3.4 |
| | 22.5 | 4.2 | 3.2 | 4.3 | 3.3 | 4.6 | 3.2 | 4.8 | 3.3 | 5.0 | 3.4 | 5.3 | 3.4 | 5.6 | 3.3 |
| | 25.0 | 4.2 | 3.2 | 4.3 | 3.2 | 4.6 | 3.2 | 4.7 | 3.3 | 4.9 | 3.4 | 5.2 | 3.4 | 5.6 | 3.3 |
| | 27.5 | 4.1 | 3.1 | 4.2 | 3.2 | 4.5 | 3.2 | 4.7 | 3.2 | 4.9 | 3.4 | 5.2 | 3.3 | 5.4 | 3.3 |
| | 30.0 | 4.1 | 3.1 | 4.2 | 3.2 | 4.5 | 3.2 | 4.6 | 3.2 | 4.8 | 3.4 | 5.1 | 3.3 | 5.4 | 3.3 |
| | 32.5 | 4.1 | 3.1 | 4.1 | 3.2 | 4.4 | 3.1 | 4.5 | 3.2 | 4.8 | 3.3 | 5.1 | 3.3 | 5.4 | 3.3 |
| | 35.0 | 4.0 | 3.1 | 4.1 | 3.1 | 4.4 | 3.1 | 4.5 | 3.2 | 4.7 | 3.3 | 5.0 | 3.3 | 5.4 | 3.2 |
| | 37.5 | 4.0 | 3.0 | 4.0 | 3.1 | 4.3 | 3.1 | 4.4 | 3.1 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.2 |
| | 40.0 | 3.9 | 3.0 | 4.0 | 3.1 | 4.3 | 3.1 | 4.4 | 3.1 | 4.6 | 3.3 | 5.0 | 3.3 | 5.3 | 3.2 |
| 43.0 | 3.9 | 3.0 | 3.9 | 3.1 | 4.2 | 3.1 | 4.3 | 3.1 | 4.5 | 3.3 | 4.9 | 3.2 | 5.2 | 3.2 | |
| 50 (5.6) | 20.0 | 5.3 | 3.8 | 5.5 | 3.9 | 5.8 | 3.8 | 6.0 | 3.9 | 6.2 | 4.1 | 6.6 | 4.0 | 7.1 | 3.9 |
| | 22.5 | 5.3 | 3.8 | 5.4 | 3.8 | 5.8 | 3.8 | 5.9 | 3.9 | 6.2 | 4.0 | 6.6 | 4.0 | 7.0 | 3.9 |
| | 25.0 | 5.2 | 3.7 | 5.3 | 3.8 | 5.7 | 3.8 | 5.9 | 3.8 | 6.1 | 4.0 | 6.5 | 3.9 | 6.9 | 3.9 |
| | 27.5 | 5.2 | 3.7 | 5.3 | 3.8 | 5.7 | 3.8 | 5.8 | 3.8 | 6.0 | 4.0 | 6.4 | 3.9 | 6.7 | 3.8 |
| | 30.0 | 5.1 | 3.7 | 5.2 | 3.7 | 5.6 | 3.7 | 5.8 | 3.8 | 6.0 | 3.9 | 6.4 | 3.9 | 6.8 | 3.8 |
| | 32.5 | 5.0 | 3.6 | 5.2 | 3.7 | 5.5 | 3.7 | 5.7 | 3.7 | 5.9 | 3.9 | 6.3 | 3.9 | 6.7 | 3.8 |
| | 35.0 | 5.0 | 3.6 | 5.1 | 3.7 | 5.5 | 3.7 | 5.6 | 3.7 | 5.8 | 3.9 | 6.3 | 3.9 | 6.7 | 3.8 |
| | 37.5 | 4.9 | 3.6 | 5.0 | 3.7 | 5.4 | 3.6 | 5.5 | 3.7 | 5.8 | 3.9 | 6.2 | 3.8 | 6.6 | 3.8 |
| | 40.0 | 4.8 | 3.5 | 5.0 | 3.6 | 5.3 | 3.6 | 5.4 | 3.6 | 5.7 | 3.8 | 6.2 | 3.8 | 6.6 | 3.8 |
| 43.0 | 4.8 | 3.5 | 4.9 | 3.6 | 5.3 | 3.6 | 5.4 | 3.6 | 5.7 | 3.8 | 6.0 | 3.8 | 6.5 | 3.7 | |

2.3b. Heating capacity in combination with PUHY,PURY-P500,650YGM

PKFY-P-VAM-E,VGM-E

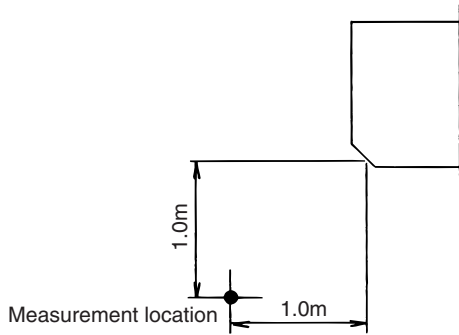
SHC:Sensible Heat Capacity(kW)

| Unit size (Rated kW) | Outdoor air temp. °CWB | Indoor air temp.:°CDB | | | |
|-------------------------|---------------------------|-----------------------|------|------|------|
| | | 15.0 | 20.0 | 25.0 | 27.0 |
| 20 (2.2) | -20.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| | -15.0 | 1.6 | 1.5 | 1.5 | 1.5 |
| | -10.0 | 1.8 | 1.8 | 1.7 | 1.7 |
| | -5.0 | 2.1 | 2.0 | 1.9 | 1.8 |
| | 0.0 | 2.3 | 2.3 | 2.0 | 1.8 |
| | 2.5 | 2.4 | 2.4 | 2.0 | 1.8 |
| | 6.0 | 2.6 | 2.5 | 2.0 | 1.8 |
| | 7.5 | 2.7 | 2.5 | 2.0 | 1.8 |
| | 10.0 | 2.8 | 2.5 | 2.0 | 1.8 |
| | 12.5 | 2.9 | 2.5 | 2.0 | 1.8 |
| 15.5 | 2.9 | 2.5 | 2.0 | 1.8 | |
| 25 (2.8) | -20.0 | 1.7 | 1.6 | 1.6 | 1.6 |
| | -15.0 | 2.0 | 1.9 | 1.9 | 1.9 |
| | -10.0 | 2.3 | 2.2 | 2.2 | 2.1 |
| | -5.0 | 2.6 | 2.6 | 2.5 | 2.3 |
| | 0.0 | 2.9 | 2.9 | 2.5 | 2.3 |
| | 2.5 | 3.1 | 3.0 | 2.5 | 2.3 |
| | 6.0 | 3.3 | 3.2 | 2.5 | 2.3 |
| | 7.5 | 3.4 | 3.2 | 2.5 | 2.3 |
| | 10.0 | 3.6 | 3.2 | 2.5 | 2.3 |
| | 12.5 | 3.7 | 3.2 | 2.5 | 2.3 |
| 15.5 | 3.7 | 3.2 | 2.5 | 2.3 | |
| 32 (3.6) | -20.0 | 2.1 | 2.0 | 2.0 | 2.0 |
| | -15.0 | 2.5 | 2.4 | 2.4 | 2.3 |
| | -10.0 | 2.9 | 2.8 | 2.7 | 2.6 |
| | -5.0 | 3.3 | 3.2 | 3.1 | 2.8 |
| | 0.0 | 3.7 | 3.6 | 3.2 | 2.8 |
| | 2.5 | 3.8 | 3.8 | 3.2 | 2.8 |
| | 6.0 | 4.1 | 4.0 | 3.2 | 2.8 |
| | 7.5 | 4.2 | 4.0 | 3.2 | 2.8 |
| | 10.0 | 4.4 | 4.0 | 3.2 | 2.8 |
| | 12.5 | 4.6 | 4.0 | 3.2 | 2.8 |
| 15.5 | 4.6 | 4.0 | 3.2 | 2.8 | |
| 40 (4.5) | -20.0 | 2.7 | 2.6 | 2.6 | 2.5 |
| | -15.0 | 3.1 | 3.0 | 3.0 | 2.9 |
| | -10.0 | 3.6 | 3.5 | 3.4 | 3.3 |
| | -5.0 | 4.1 | 4.0 | 3.9 | 3.5 |
| | 0.0 | 4.6 | 4.5 | 4.0 | 3.5 |
| | 2.5 | 4.8 | 4.8 | 4.0 | 3.5 |
| | 6.0 | 5.2 | 5.0 | 4.0 | 3.5 |
| | 7.5 | 5.3 | 5.0 | 4.0 | 3.5 |
| | 10.0 | 5.6 | 5.0 | 4.0 | 3.5 |
| | 12.5 | 5.8 | 5.0 | 4.0 | 3.5 |
| 15.5 | 5.8 | 5.0 | 4.0 | 3.5 | |
| 50 (5.6) | -20.0 | 3.3 | 3.2 | 3.2 | 3.2 |
| | -15.0 | 3.9 | 3.8 | 3.8 | 3.7 |
| | -10.0 | 4.5 | 4.4 | 4.3 | 4.2 |
| | -5.0 | 5.2 | 5.0 | 4.9 | 4.4 |
| | 0.0 | 5.8 | 5.7 | 5.0 | 4.4 |
| | 2.5 | 6.0 | 6.0 | 5.0 | 4.4 |
| | 6.0 | 6.5 | 6.3 | 5.0 | 4.4 |
| | 7.5 | 6.7 | 6.3 | 5.0 | 4.4 |
| | 10.0 | 7.0 | 6.3 | 5.0 | 4.4 |
| | 12.5 | 7.3 | 6.3 | 5.0 | 4.4 |
| 15.5 | 7.3 | 6.3 | 5.0 | 4.4 | |

3. Sound Levels

3.1 Noise levels

Wall mounted

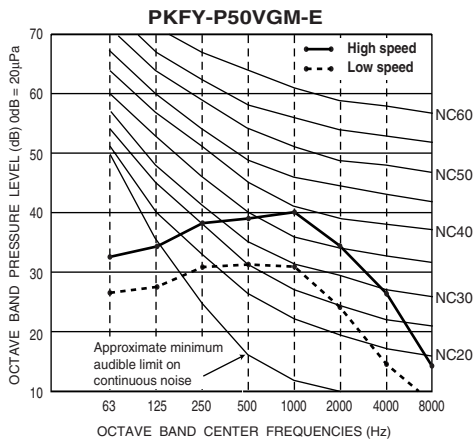
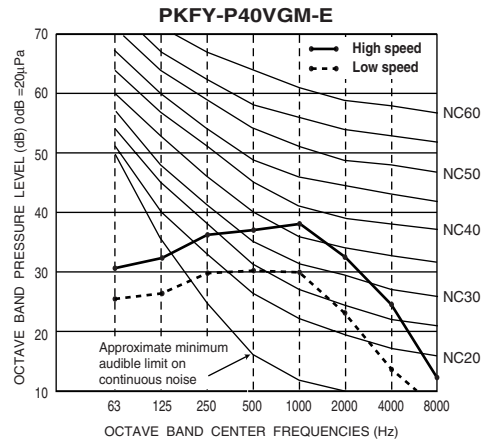
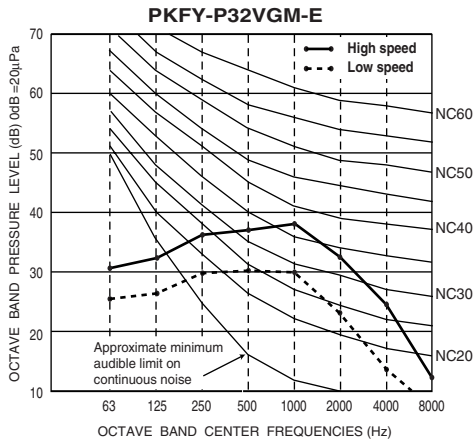
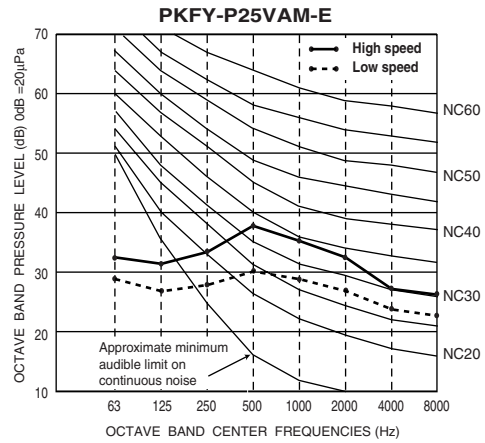
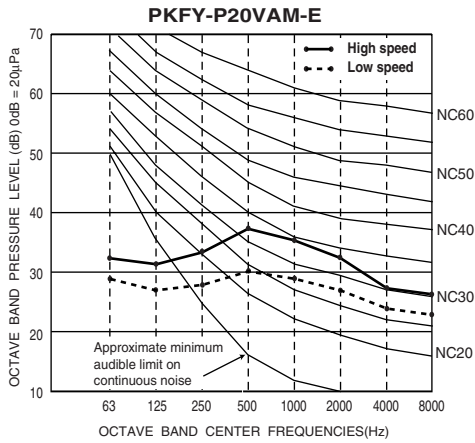


Noise level at anechoic room
(Low-Middle2-Middle1-High)

Unit : dB(A)

| Model | Noise level (A weighted) |
|--------------------------------|--------------------------|
| PKFY-P20VAM-E PKFY-P25VAM-E | 32-33-35-36 |
| PKFY-P32VGM-E PKFY-P40VGM-E | 33-36-38-41 |
| PKFY-P50VGM-E | 34-37-40-43 |

3.2 NC curves



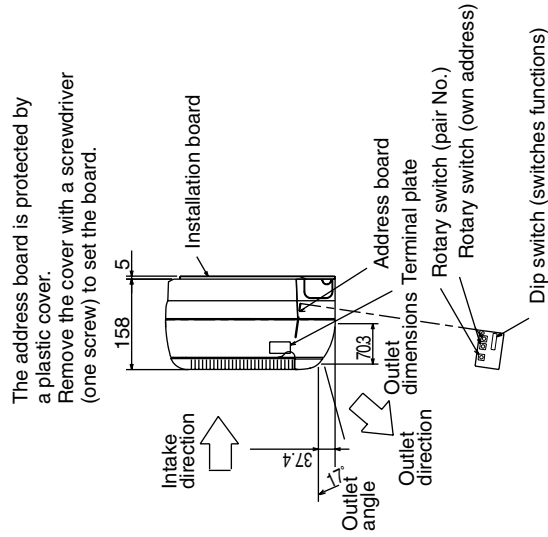
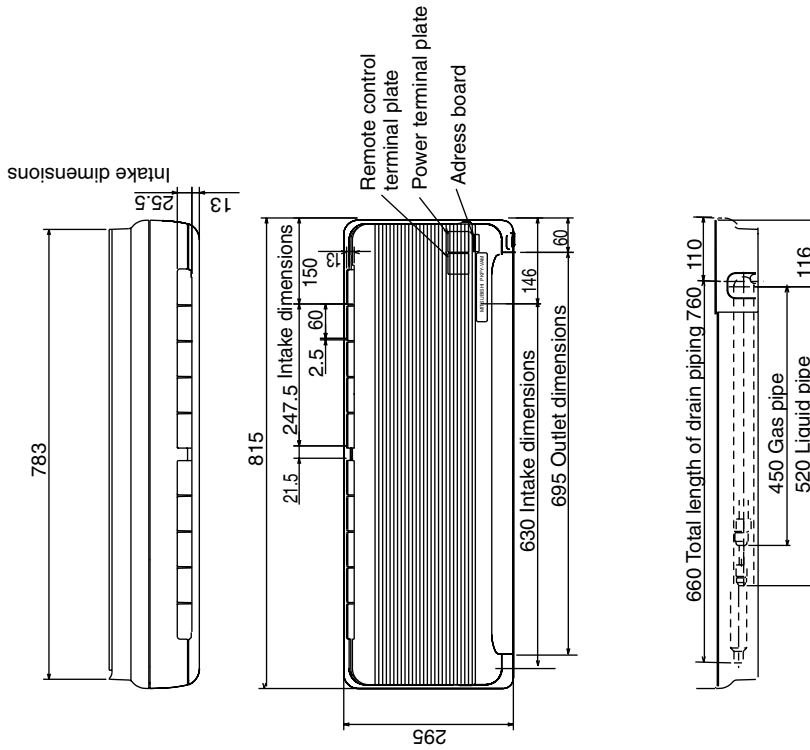
4. External Dimensions

PKFY-P-
VAM-E/VGM-E

PKFY-P20, 25VAM-E

Unit : mm

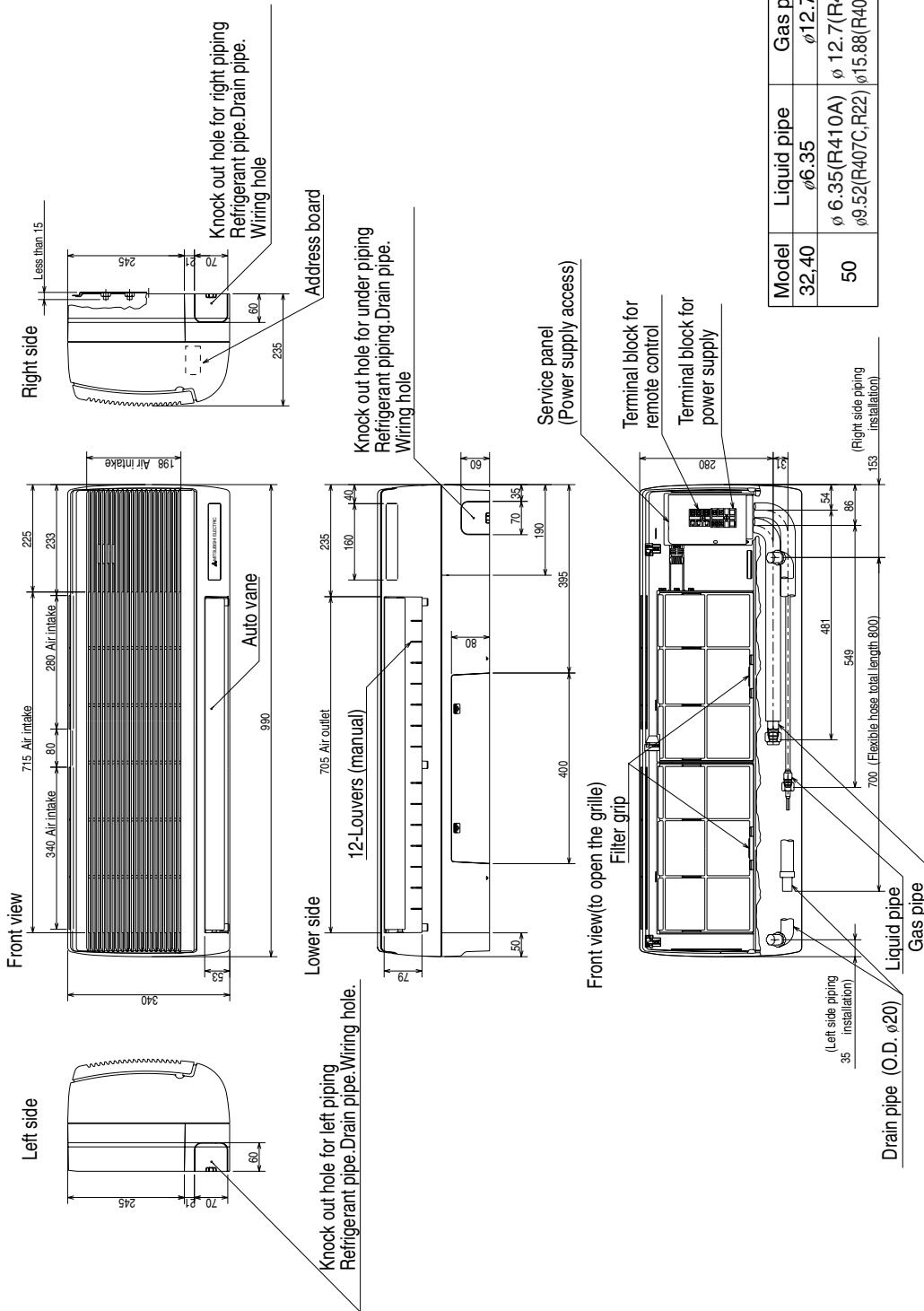
| | |
|-------------|-------|
| Liquid pipe | φ6.35 |
| Gas pipe | φ12.7 |



The address board is protected by a plastic cover.
Remove the cover with a screwdriver (one screw) to set the board.

PKFY-P32,40,50VGM-E

Unit : mm



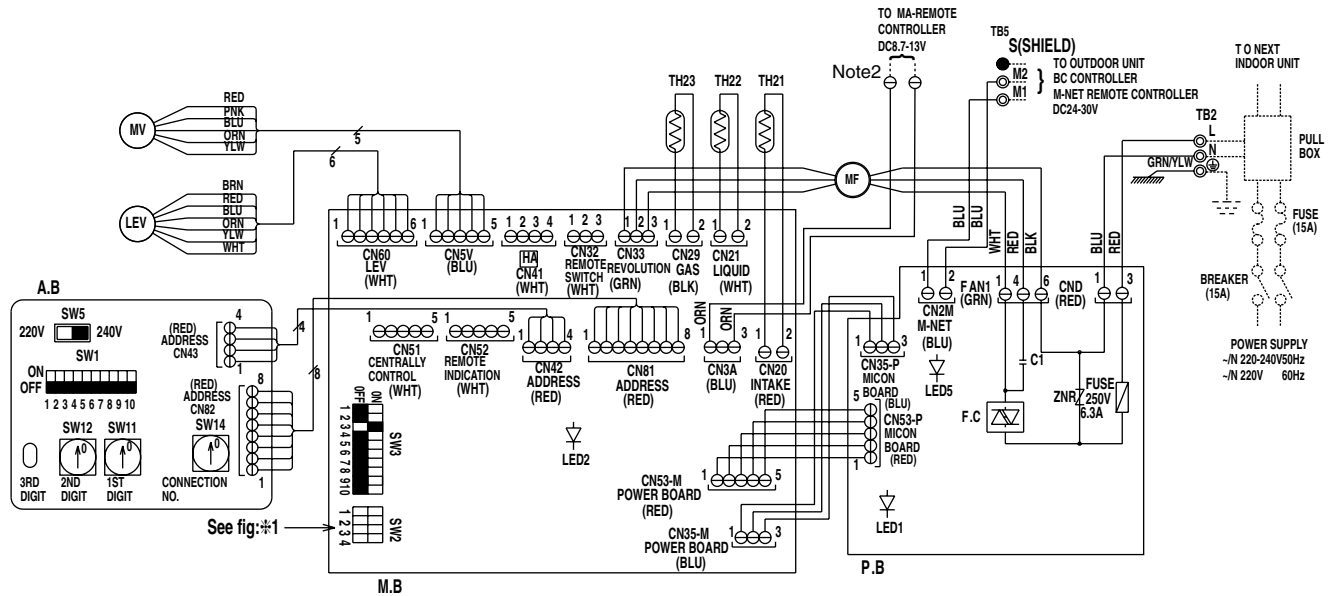
| Model | Liquid pipe | Gas pipe |
|-------|---|----------|
| 32,40 | φ6.35 φ 6.35(R410A) φ9.52(R407C, R22) | φ12.7 |
| 50 | φ 12.7(R410A) φ15.88(R407C, R22) | |

5. Electrical Wiring Diagrams

5.1 PKFY-P-VAM-E

<SYMBOL EXPLANATION>

| Symbol | Name | Symbol | Name | Symbol | Name |
|--------|---|--------|--|------------|--|
| M.B | Indoor controller board | TH23 | Thermistor Pipe temp. detection/Gas (0°C / 15kΩ, 25°C / 5.4kΩ) | TB2 | Terminal block Power supply |
| CN32 | Remote switch | P.B | Indoor power board | TB5 | Terminal block ME Remote controller |
| CN41 | HA terminal - A | ZNR | Varistor | A.B | Circuit board Address |
| CN51 | Centrally control | FUSE | Fuse (6.3A) | SW1 <A.B> | Mode selection |
| CN52 | Remote indication | F.C | Fan phase control | SW5 <A.B> | Voltage selection |
| SW2 | Capacity code | MF | Fan motor | SW11 <A.B> | Address setting 1st digit |
| SW3 | Mode selection | C1 | Capacity (fan motor) | SW12 <A.B> | Address setting 2nd digit |
| TH21 | Room temp. detection (0°C / 15kΩ, 25°C / 5.4kΩ) | MV | Vane motor | SW14 <A.B> | Connection No. |
| TH22 | Pipe temp. detection/liquid (0°C / 15kΩ, 25°C / 5.4kΩ) | LEV | Linear expansion valve | | |



Note

- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- In case of connecting MA-Remote controller, please connect MA-Remote controller to the connector. (Remote controller wire is non-polar.)
- In case of using M-NET, please connect to the wire.(BLU, two wire) <M1, M2>of CN2M (Transmission line is non-polar.)
- Symbols used in wiring diagram above are, ⊙ : terminal block, ⊕ : connector, ● : direct wire connection.
- The setting of the SW2 dip switches differs in the capacity. For the detail, refer to the fig:※1.
- Please set the switch SW5 according to the power supply voltage.
SW5 to 240V side when the power supply is 230 and 240 volts.
When the power supply is 220 volts, set SW5 to 220V side.

Led on indoor board for service

| Mark | Meaning | Function |
|------|---------------------------------------|--|
| LED1 | Main power supply | Main power supply (indoor unit:220-240V) power on ⇒ lamp is lit |
| LED2 | Power supply for MA-Remote controller | Power supply for MA-Remote controller on ⇒ lamp is lit |

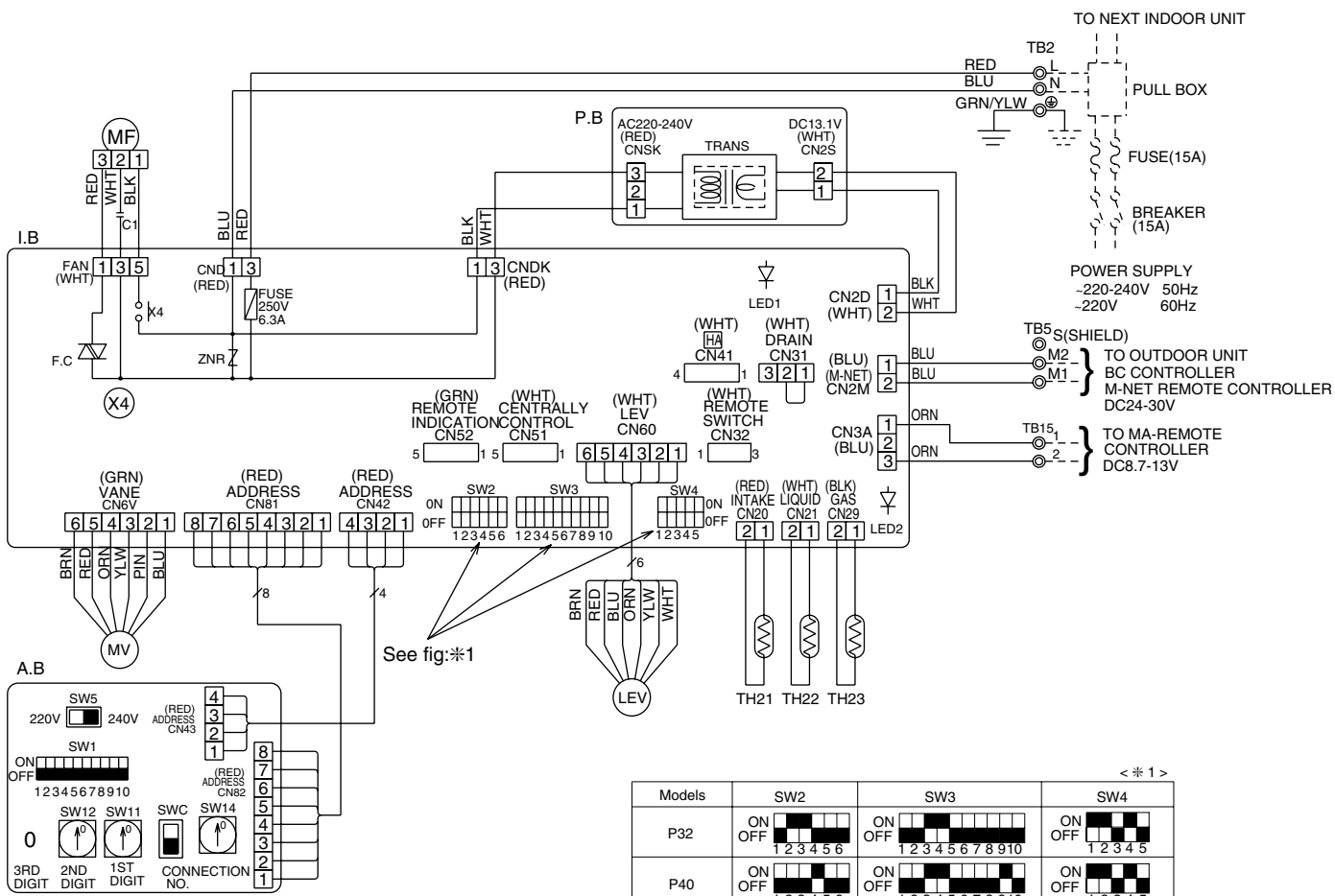
<※ 1>

| MODELS | SW2 | MODELS | SW2 |
|--------|-------------------|--------|-------------------|
| P20 | ON OFF 1 2 3 4 | P25 | ON OFF 1 2 3 4 |

5.2 PKFY-P-VGM-E

<SYMBOL EXPLANATION>

| Symbol | Name | Symbol | Name | Symbol | Name | |
|--------|-------------------------|--------|---|--------|---------------------------|---------------------------|
| I.B | Indoor controller board | TH21 | Room temp. detection (0°C/15kΩ, 25°C/5.4kΩ) | A.B | Circuit board | |
| CN32 | Connector Remote switch | TH22 | Thermistor | SW1 | Mode selection | |
| CN41 | HA terminal-A | TH23 | | TH22 | SW5 | Voltage selection |
| CN51 | Centrally control | TH23 | | TH23 | SW11 | Address setting 1st digit |
| CN52 | Remote indication | MF | Fan motor (with inner thermostat) | SW12 | Address setting 2nd digit | |
| SW2 | Switch Capacity code | C1 | Capacitor (fan motor) | SW14 | Connection No. | |
| SW3 | Mode selection | MV | Vane motor | SWC | Option selector | |
| SW4 | Model selection | P.B | Indoor power board | | | |
| ZNR | Varistor | | | | | |
| X4 | Aux.Relay (Fan motor) | TB2 | Power supply | | | |
| FUSE | Fuse (6.3A) | TB5 | Terminal block Transmission | | | |
| F.C | Fan phase control | TB15 | MA-Remote controller | | | |
| | | LEV | Linear expansion valve | | | |



NOTE

- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- In case of using MA-Remote controller, please connect to TB15.
(Remote controller wire is non-polar.)
- In case of using M-NET, please connect to TB5. (Transmission line is non-polar.)
- Symbol[S] of TB5 is the shield wire connection.
- Symbols used in wiring diagram above are,
⊙: Terminal block, □: Connector.
- The setting of the SW2 dip switches differs in the capacity. For the detail, refer to the fig: ※1.
- Please set the switch SW5 according to the power supply voltage.
Set SW5 to 240V side when the power supply is 230 and 240 volts.
When the power supply is 220 volts, set SW5 to 220V side.

| Models | SW2 | SW3 | SW4 |
|--------|-----------------------|--------------------------------|---------------------|
| P32 | ON OFF 1 2 3 4 5 6 | ON OFF 1 2 3 4 5 6 7 8 9 10 | ON OFF 1 2 3 4 5 |
| P40 | ON OFF 1 2 3 4 5 6 | ON OFF 1 2 3 4 5 6 7 8 9 10 | ON OFF 1 2 3 4 5 |
| P50 | ON OFF 1 2 3 4 5 6 | ON OFF 1 2 3 4 5 6 7 8 9 10 | ON OFF 1 2 3 4 5 |

Led on indoor board for service

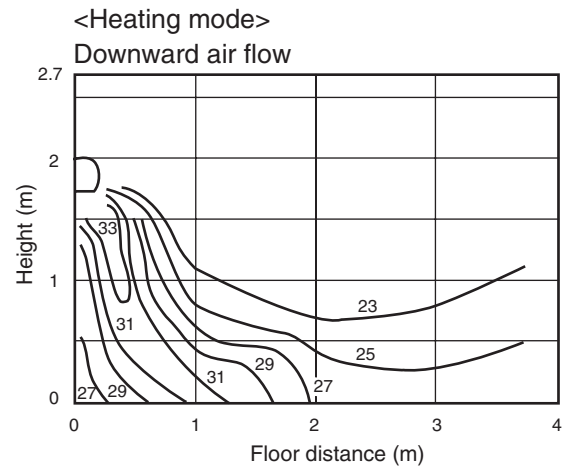
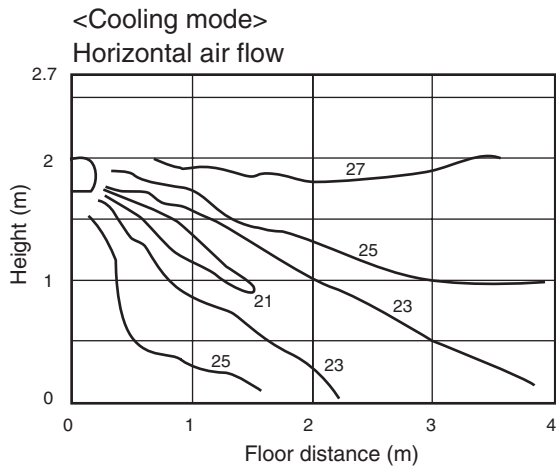
| Mark | Meaning | Function |
|------|---------------------------------------|--|
| LED1 | Main power supply | Main power supply (indoor unit: 220-240V) power on → lamp is lit |
| LED2 | Power supply for MA-Remote controller | Power supply for MA-Remote controller on → lamp is lit |

6. Temperature/Airflow distribution

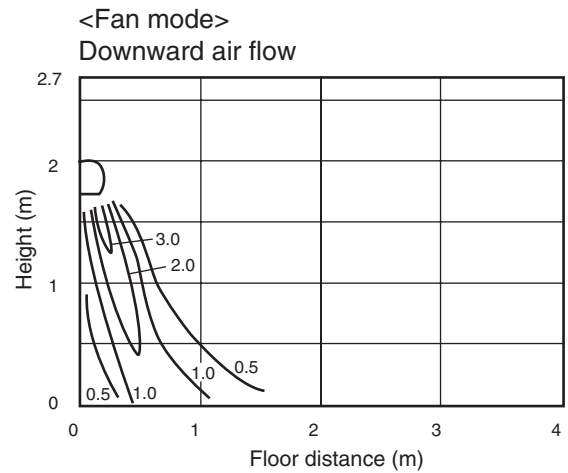
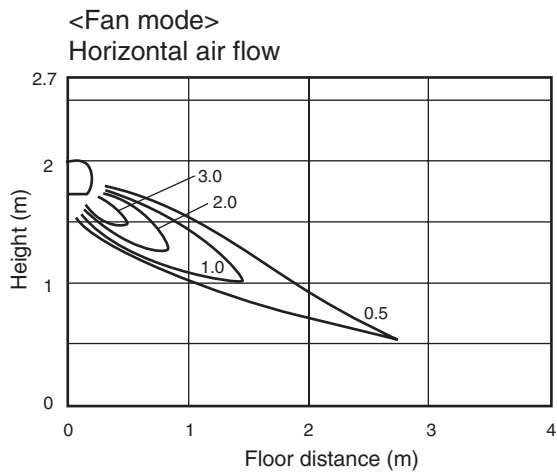
PKFY-P-VAM-E/VGM-E

6.1 PKFY-P-VAM-E

6.1.1 Temperature distribution

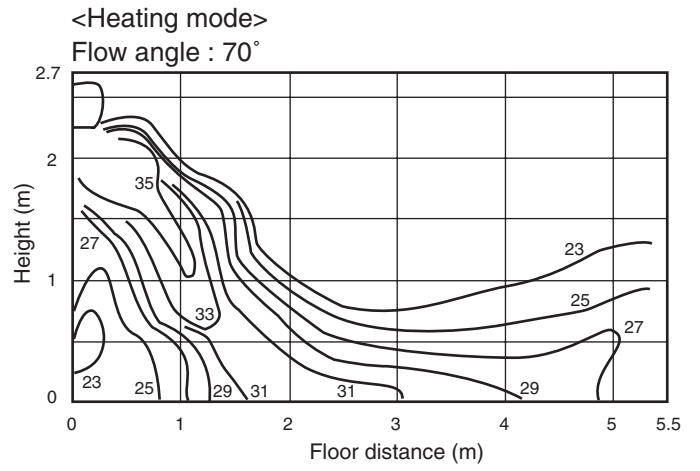
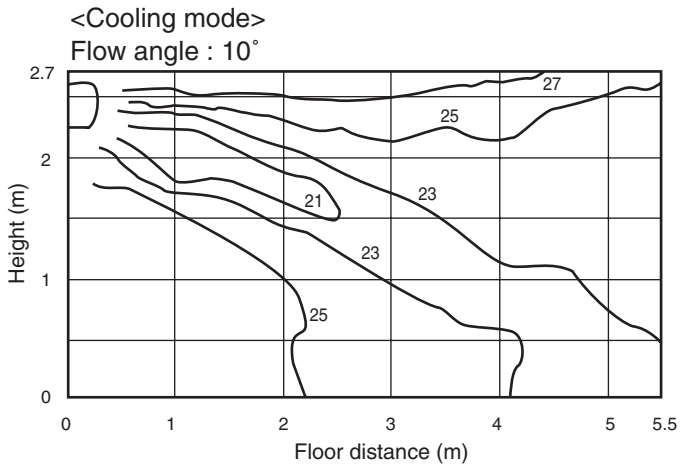


6.1.2 Airflow distribution



6.2 PKFY-P-VGM-E

6.2.1 Temperature distribution



6.2.2 Airflow distribution

