

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 <sup>3</sup> /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 SHC	20.0 SHC	25.0 SHC	27.0 SHC
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)

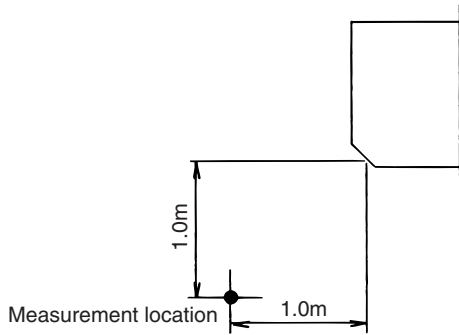
Unit size (Rated kW)	Outdoor air temp. °CWB	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
20 (2.2)	-20.0	1.3	1.3	1.3	1.3
	-15.0	1.6	1.5	1.5	1.5
	-10.0	1.8	1.8	1.7	1.7
	-5.0	2.1	2.0	1.9	1.8
	0.0	2.3	2.3	2.0	1.8
	2.5	2.4	2.4	2.0	1.8
	6.0	2.6	2.5	2.0	1.8
	7.5	2.7	2.5	2.0	1.8
	10.0	2.8	2.5	2.0	1.8
	12.5	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

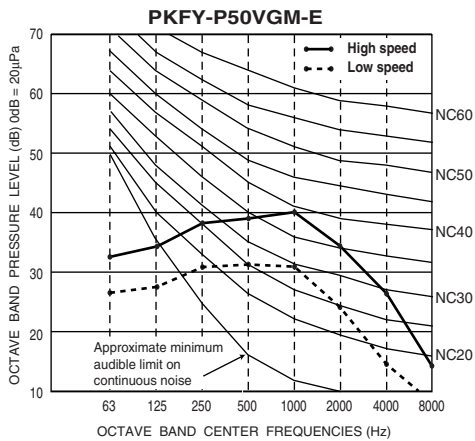
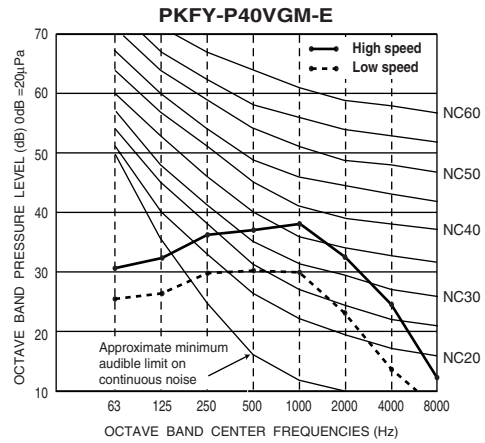
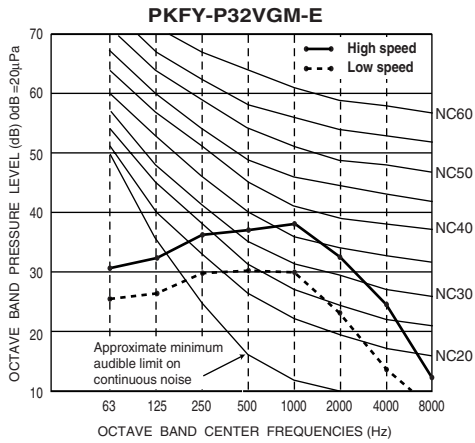
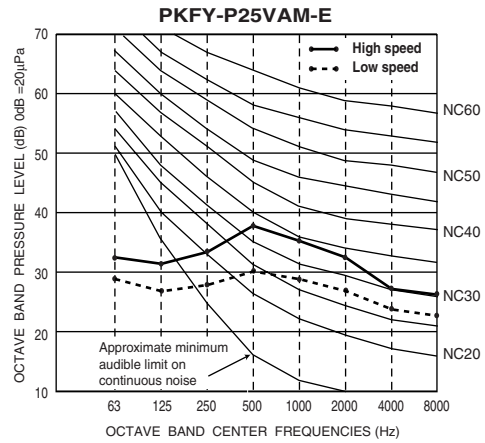
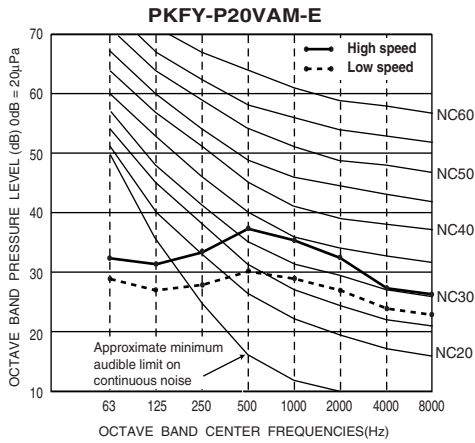


Noise level at anechoic room  
(Low-Middle2-Middle1-High)

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



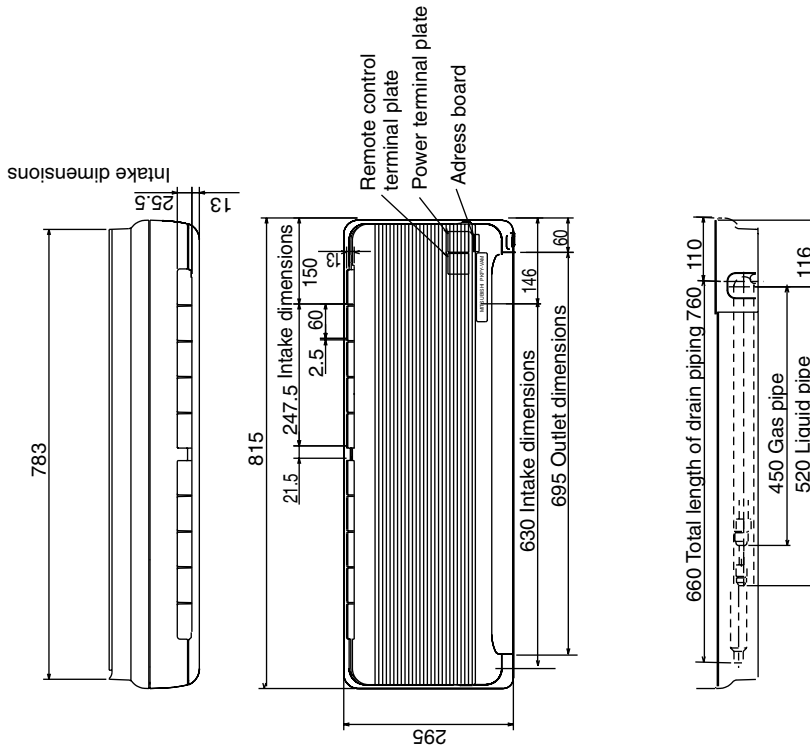
# 4. External Dimensions

PKFY-P-  
VAM-E/VGM-E

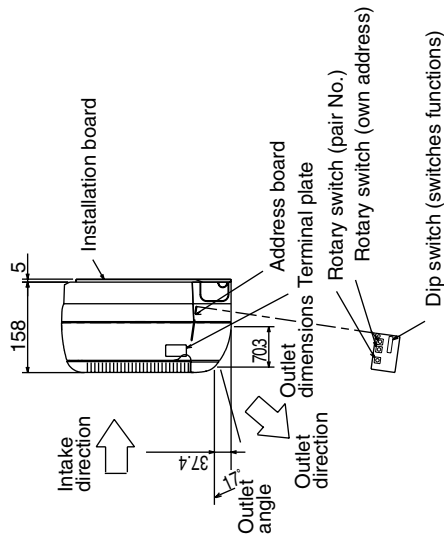
PKFY-P20, 25VAM-E

Unit : mm

Liquid pipe	φ6.35
Gas pipe	φ12.7

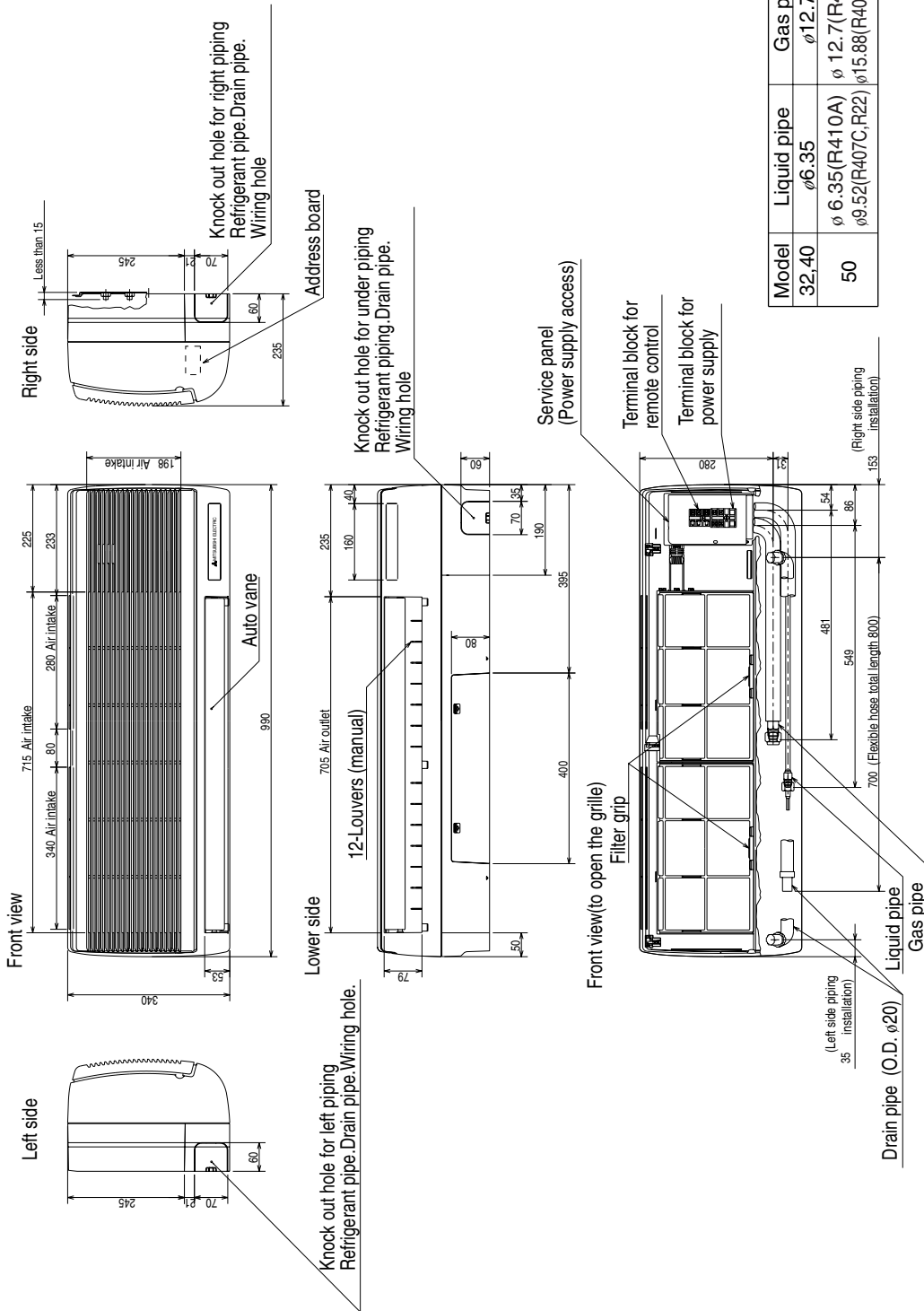


The address board is protected by a plastic cover.  
Remove the cover with a screwdriver (one screw) to set the board.



PKFY-P32,40,50VGM-E

Unit : mm



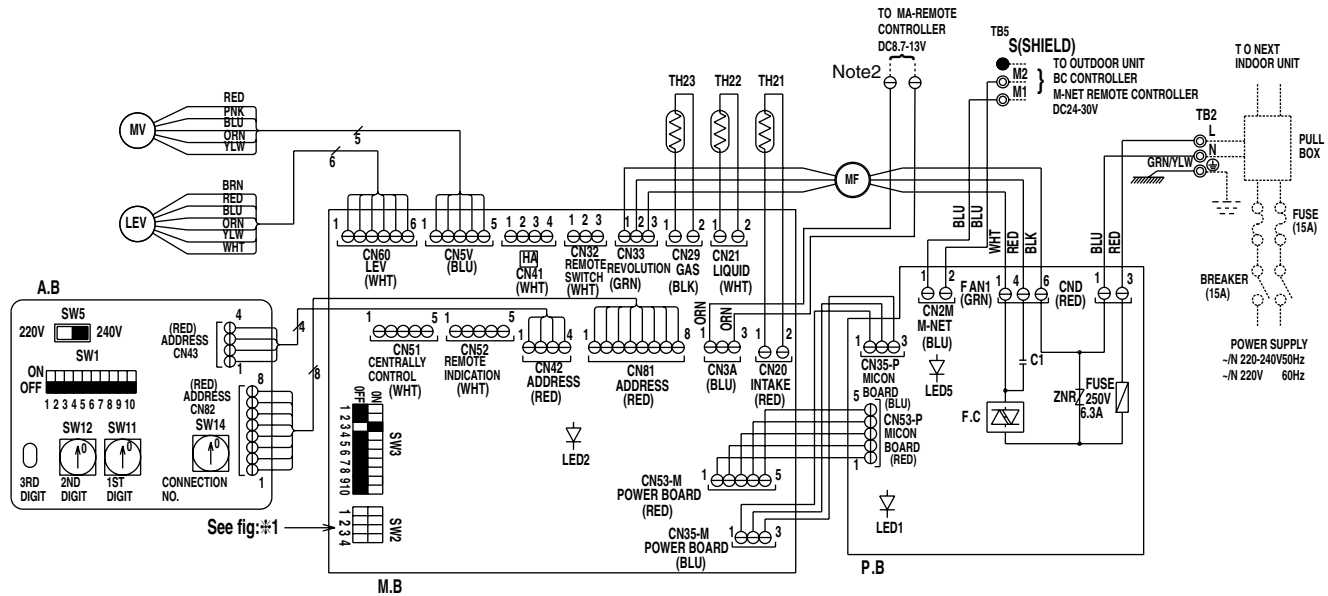
Model	Liquid pipe	Gas pipe
32,40	φ6.35 φ 6.35(R410A) φ9.52(R407C, R22)	φ12.7
50	φ 12.7(R410A) φ15.88(R407C, R22)	

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

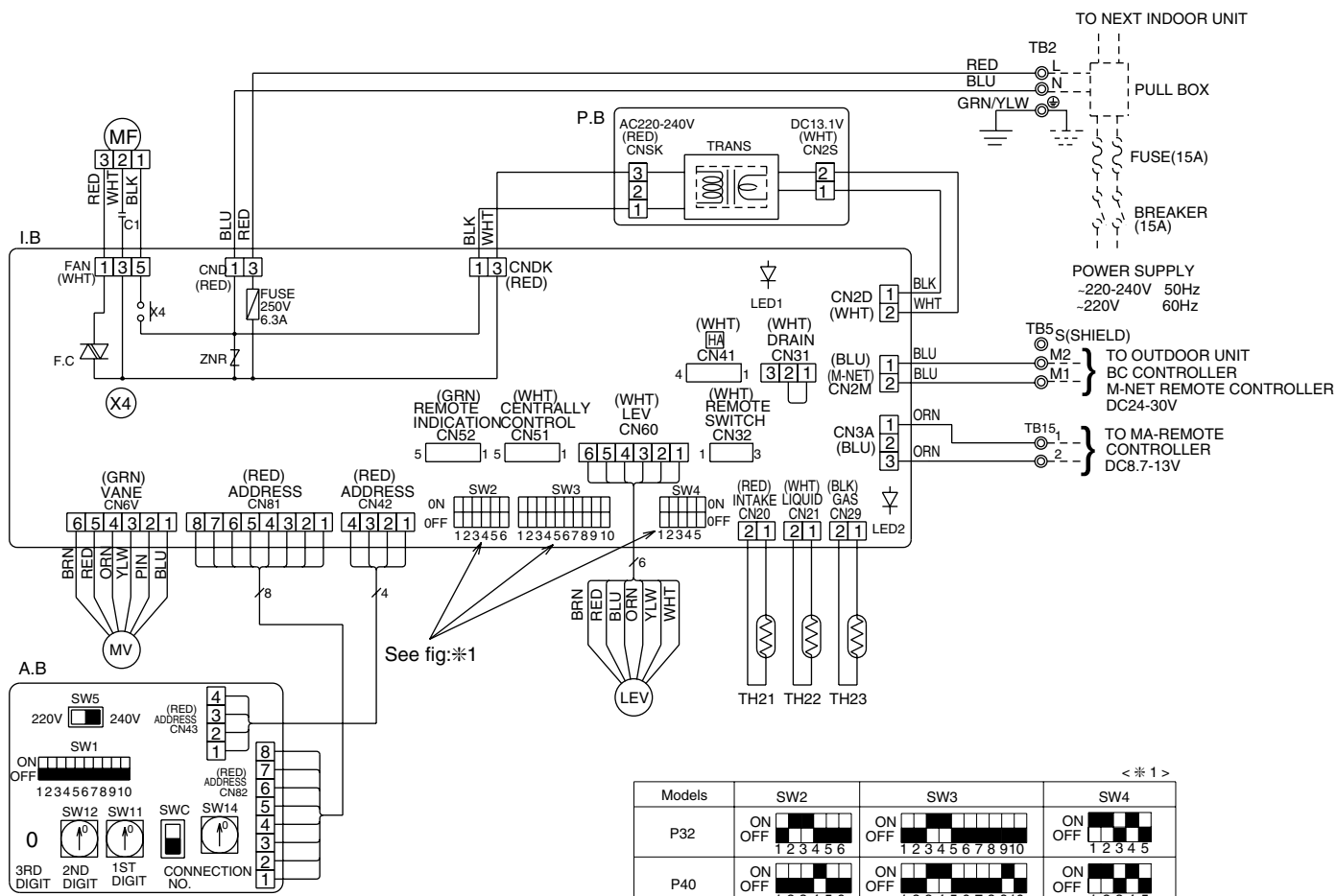
<※ 1>

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

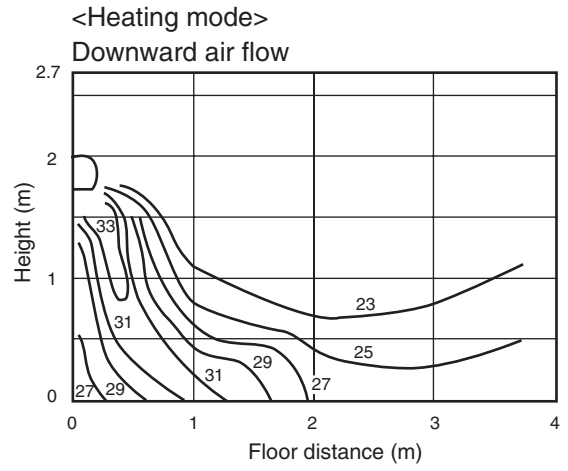
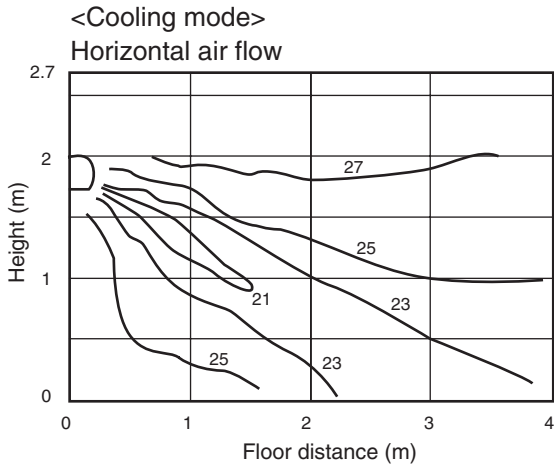
Mark	Meaning	Function
LED1	Main power supply	Main power supply (indoor unit: 220-240V) power on → lamp is lit
LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on → lamp is lit

# 6. Temperature/Airflow distribution

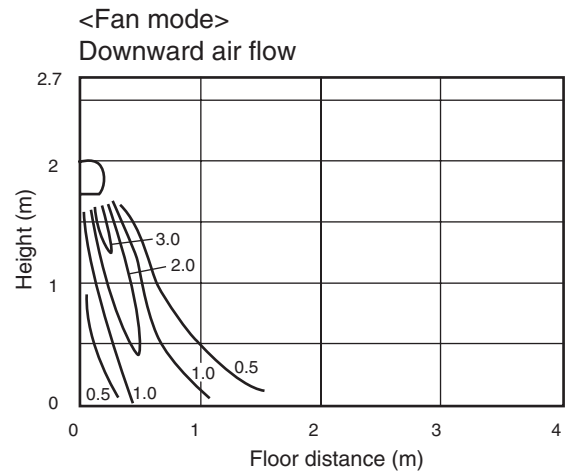
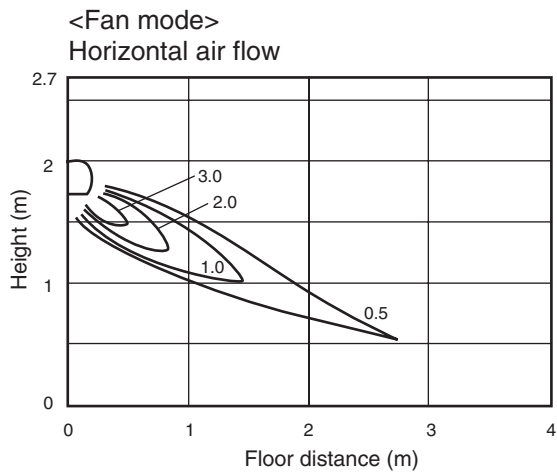
PKFY-P-  
 VAM-E/VGM-E

## 6.1 PKFY-P-VAM-E

### 6.1.1 Temperature distribution

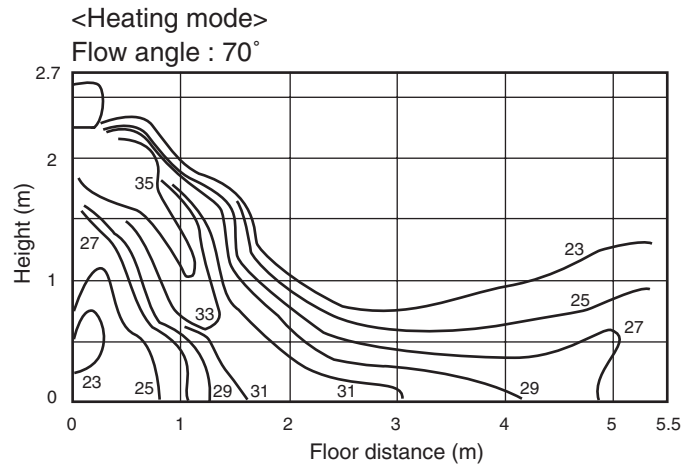
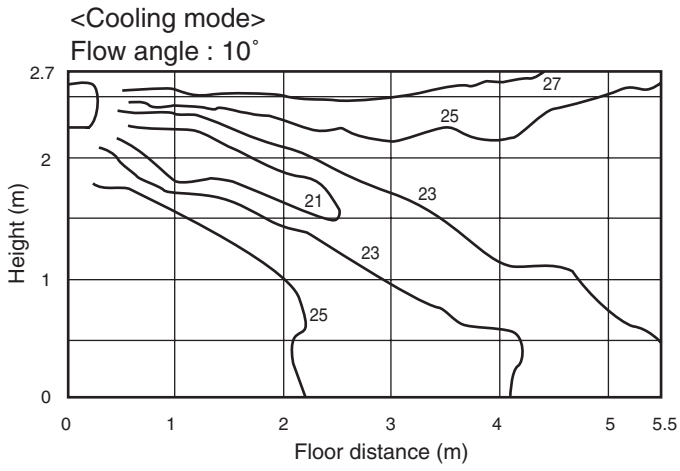


### 6.1.2 Airflow distribution



## 6.2 PKFY-P-VGM-E

### 6.2.1 Temperature distribution



### 6.2.2 Airflow distribution

