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

# 1. Specifications

PCFY-P-VGM-E

			PCFY-P40VGM-E	PCFY-P63VGM-E	PCFY-P100VGM-E	PCFY-P125VGM-E
Power source			~ 220-240V 50Hz / ~220V 60Hz			
Cooling capacity	*1	kW	4.5	7.1	11.2	14.0
	*1	BTU/h	15,350	24,220	38,200	47,750
	*2	kW	4.7	7.3	11.6	14.5
	*2	kcal/h	4,000	6,300	10,000	12,500
Heating capacity	*1	kW	5.0	8.0	12.5	16.0
	*1	BTU/h	17,060	27,290	42,650	54,580
	*2	kW	5.2	8.3	13.0	16.3
	*2	kcal/h	4,500	7,100	11,200	14,000
Power consumption	Cooling	kW	0.10	0.13	0.16	0.24
	Heating	kW	0.10	0.13	0.16	0.24
Current	Cooling	A	0.46	0.60	0.73	1.10
	Heating	A	0.46	0.60	0.73	1.10
External finish(Munsel No.)			0.70Y 8.59/0.97			
Dimension H x W x D *3		mm	210 x 1,000 x 680	210 x 1,310 x 680	270 x 1,310 x 680	270 x 1,620 x 680
Net weight		*3 kg	27	34	37	43
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type		Sirocco fanX 2	Sirocco fanX 3	Sirocco fanX 4	
	Airflow rate (Lo-Mid2-Mid1-Hi) *3	m³/min	8-10-11-12	12-14-16-18	18-20-23-25	26-28-32-35
	External static pressure		Pa			
Motor			Single phase induction motor			
Output		kW	0.054	0.070	0.090	0.150
Air filter			PP Honeycomb (long life)			
Refrigerant pipe dimension	Gas (Flare)	mm	ø 12.7	ø 15.88	ø 15.88 / ø 19.05 (Compatible)	
	Liquid (Flare)	mm	ø 6.35	ø 9.52		
Drain pipe dimension			I.D. ø26 (VP-25)			
Noise level (Lo-Mid2-Mid1-Hi) *3 *4		dB(A)	29-33-36-38	32-34-37-39	36-38-41-43	37-39-42-44

- 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 External dimension/net weight are shown in (unit/panel), and airflw rate/noise level are in (low-middle 2-middle 1-high).
- \*4 It is measured in anechoic room.

## 2. Capacity Tables

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

PCFY-P-VGM-E

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

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
40 (4.5)	20.0	4.3	3.1	4.4	3.2	4.7	3.1	4.9	3.2	5.0	3.3	5.3	3.3	5.7	3.2
	22.5	4.3	3.1	4.4	3.2	4.7	3.1	4.9	3.2	5.0	3.3	5.3	3.3	5.7	3.2
	25.0	4.3	3.1	4.4	3.2	4.7	3.1	4.9	3.2	5.0	3.3	5.3	3.2	5.6	3.2
	27.5	4.3	3.1	4.4	3.1	4.6	3.1	4.8	3.1	4.9	3.3	5.2	3.2	5.5	3.1
	30.0	4.2	3.0	4.3	3.1	4.6	3.1	4.7	3.1	4.8	3.2	5.0	3.1	5.4	3.1
	32.5	4.1	3.0	4.2	3.1	4.5	3.0	4.6	3.1	4.7	3.2	5.0	3.1	5.3	3.1
	35.0	4.0	2.9	4.1	3.0	4.4	3.0	4.5	3.0	4.6	3.1	4.9	3.1	5.2	3.0
	37.5	3.9	2.9	4.1	3.0	4.3	3.0	4.4	3.0	4.5	3.1	4.8	3.0	5.0	3.0
	40.0	3.9	2.9	4.0	2.9	4.2	2.9	4.3	2.9	4.5	3.1	4.7	3.0	5.0	2.9
43.0	3.8	2.8	3.9	2.9	4.1	2.9	4.2	2.9	4.3	3.0	4.5	2.9	4.8	2.9	
63 (7.1)	20.0	6.7	4.9	7.0	5.0	7.5	5.0	7.7	5.0	7.9	5.2	8.4	5.1	9.0	5.1
	22.5	6.7	4.9	7.0	5.0	7.5	5.0	7.7	5.0	7.9	5.2	8.4	5.1	9.0	5.1
	25.0	6.7	4.9	7.0	5.0	7.5	5.0	7.7	5.0	7.8	5.2	8.3	5.1	8.8	5.0
	27.5	6.7	4.8	6.9	5.0	7.3	4.9	7.5	5.0	7.7	5.1	8.1	5.0	8.7	5.0
	30.0	6.6	4.8	6.8	4.9	7.2	4.8	7.4	4.9	7.6	5.1	8.0	5.0	8.5	4.9
	32.5	6.5	4.7	6.7	4.8	7.0	4.8	7.2	4.8	7.4	5.0	7.8	4.9	8.3	4.8
	35.0	6.4	4.7	6.5	4.8	6.9	4.7	7.1	4.8	7.3	4.9	7.7	4.8	8.1	4.8
	37.5	6.2	4.6	6.4	4.7	6.8	4.7	6.9	4.7	7.1	4.9	7.5	4.8	8.0	4.7
	40.0	6.1	4.5	6.3	4.7	6.7	4.6	6.8	4.7	7.0	4.8	7.3	4.7	7.8	4.7
43.0	6.0	4.5	6.1	4.6	6.5	4.5	6.6	4.6	6.8	4.7	7.2	4.7	7.6	4.6	
100 (11.2)	20.0	10.6	7.5	11.0	7.7	11.8	7.7	12.1	7.7	12.5	8.0	13.2	7.9	14.2	7.8
	22.5	10.6	7.5	11.0	7.7	11.8	7.7	12.1	7.7	12.5	8.0	13.2	7.9	14.2	7.8
	25.0	10.6	7.5	11.0	7.7	11.8	7.7	12.1	7.7	12.4	8.0	13.1	7.9	13.9	7.7
	27.5	10.6	7.5	10.9	7.7	11.5	7.6	11.9	7.6	12.2	7.9	12.8	7.7	13.7	7.6
	30.0	10.4	7.4	10.7	7.6	11.3	7.5	11.6	7.5	11.9	7.8	12.5	7.6	13.4	7.5
	32.5	10.2	7.3	10.5	7.5	11.1	7.4	11.4	7.4	11.7	7.7	12.3	7.5	13.1	7.4
	35.0	10.0	7.2	10.3	7.4	10.9	7.3	11.2	7.3	11.5	7.6	12.1	7.4	12.8	7.3
	37.5	9.8	7.1	10.1	7.2	10.7	7.2	10.9	7.2	11.3	7.5	11.9	7.4	12.5	7.2
	40.0	9.6	7.0	9.9	7.2	10.5	7.1	10.8	7.1	11.1	7.4	11.6	7.2	12.3	7.1
43.0	9.4	6.9	9.7	7.1	10.2	7.0	10.4	7.0	10.8	7.3	11.3	7.1	12.0	7.0	
125 (14.0)	20.0	13.3	9.4	13.8	9.6	14.7	9.6	15.1	9.7	15.6	10.0	16.5	9.9	17.7	9.8
	22.5	13.3	9.4	13.8	9.6	14.7	9.6	15.1	9.7	15.6	10.0	16.5	9.9	17.7	9.8
	25.0	13.3	9.4	13.8	9.6	14.7	9.6	15.1	9.7	15.5	10.0	16.4	9.8	17.4	9.7
	27.5	13.2	9.3	13.7	9.6	14.4	9.5	14.8	9.5	15.3	9.9	16.0	9.7	17.1	9.5
	30.0	13.0	9.2	13.4	9.4	14.2	9.3	14.6	9.4	14.9	9.7	15.7	9.5	16.7	9.4
	32.5	12.7	9.1	13.2	9.3	13.9	9.2	14.2	9.2	14.6	9.6	15.4	9.4	16.4	9.3
	35.0	12.5	9.0	12.9	9.2	13.7	9.1	14.0	9.2	14.4	9.5	15.1	9.3	16.0	9.1
	37.5	12.3	8.8	12.6	9.0	13.4	9.0	13.7	9.0	14.1	9.3	14.8	9.2	15.7	9.0
	40.0	12.0	8.7	12.4	8.9	13.2	8.9	13.4	8.9	13.9	9.2	14.5	9.0	15.4	8.9
43.0	11.8	8.6	12.1	8.8	12.8	8.7	13.0	8.7	13.4	9.1	14.1	8.9	15.0	8.8	

PCFY-P-VGM-E

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

### PCFY-P-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
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
63 (7.1)	-20.0	4.1	4.0	4.0	4.0
	-15.0	5.0	4.9	4.8	4.7
	-10.0	5.8	5.8	5.6	5.5
	-5.0	6.7	6.6	6.4	5.6
	0.0	7.6	7.5	6.4	5.6
	2.5	8.0	7.9	6.4	5.6
	6.0	8.3	8.0	6.4	5.6
	7.5	8.6	8.0	6.4	5.6
	10.0	9.1	8.0	6.4	5.6
	12.5	9.6	8.0	6.4	5.6
	15.5	10.2	8.0	6.4	5.6
100 (11.2)	-20.0	6.4	6.3	6.3	6.3
	-15.0	7.8	7.6	7.5	7.4
	-10.0	9.1	9.0	8.8	8.6
	-5.0	10.5	10.4	10.0	8.8
	0.0	11.8	11.8	10.0	8.8
	2.5	12.5	12.4	10.0	8.8
	6.0	13.0	12.5	10.0	8.8
	7.5	13.4	12.5	10.0	8.8
	10.0	14.3	12.5	10.0	8.8
	12.5	15.1	12.5	10.0	8.8
	15.5	16.0	12.5	10.0	8.8
125 (14.0)	-20.0	8.2	8.0	8.0	8.0
	-15.0	9.9	9.8	9.6	9.4
	-10.0	11.7	11.5	11.2	11.0
	-5.0	13.4	13.3	12.8	11.2
	0.0	15.1	15.0	12.8	11.2
	2.5	16.0	15.8	12.8	11.2
	6.0	16.6	16.0	12.8	11.2
	7.5	17.2	16.0	12.8	11.2
	10.0	18.2	16.0	12.8	11.2
	12.5	19.3	16.0	12.8	11.2
	15.5	20.5	16.0	12.8	11.2

PCFY-P-VGM-E

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

**PCFY-P-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	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA
40 (4.5)	20.0	4.4	3.1	4.5	3.2	4.9	3.2	5.0	3.3	5.2	3.4	5.5	3.3	5.9	3.3
	22.5	4.3	3.1	4.5	3.2	4.8	3.2	5.0	3.2	5.1	3.3	5.4	3.3	5.7	3.2
	25.0	4.3	3.1	4.4	3.2	4.7	3.1	4.9	3.2	5.0	3.3	5.3	3.3	5.6	3.2
	27.5	4.2	3.0	4.3	3.1	4.6	3.1	4.8	3.1	4.9	3.3	5.2	3.2	5.5	3.2
	30.0	4.1	3.0	4.2	3.1	4.5	3.1	4.7	3.1	4.8	3.2	5.1	3.2	5.4	3.1
	32.5	4.1	3.0	4.2	3.0	4.4	3.0	4.6	3.1	4.7	3.2	5.0	3.1	5.3	3.1
	35.0	4.0	2.9	4.1	3.0	4.3	3.0	4.5	3.0	4.6	3.1	4.9	3.1	5.2	3.0
	37.5	4.0	2.9	4.0	2.9	4.3	2.9	4.4	3.0	4.5	3.1	4.8	3.1	5.1	3.0
	40.0	3.9	2.9	3.9	2.9	4.2	2.9	4.3	2.9	4.9	3.2	4.7	3.0	5.0	3.0
	43.0	3.8	2.8	3.8	2.9	4.1	2.8	4.2	2.9	4.3	3.0	4.6	3.0	4.8	2.9
63 (7.1)	20.0	6.9	4.9	7.1	5.1	7.7	5.1	8.0	5.1	8.2	5.3	8.7	5.3	9.2	5.2
	22.5	6.9	4.9	7.1	5.1	7.6	5.0	7.8	5.1	8.1	5.3	8.5	5.2	9.1	5.1
	25.0	6.8	4.9	7.0	5.0	7.4	5.0	7.7	5.0	7.9	5.2	8.4	5.1	8.9	5.1
	27.5	6.6	4.8	6.8	4.9	7.3	4.9	7.5	5.0	7.8	5.1	8.2	5.1	8.7	5.0
	30.0	6.5	4.7	6.7	4.8	7.1	4.8	7.4	4.9	7.6	5.1	8.1	5.0	8.5	4.9
	32.5	6.4	4.7	6.6	4.8	7.0	4.8	7.2	4.8	7.5	5.0	7.9	4.9	8.4	4.9
	35.0	6.3	4.6	6.4	4.7	6.8	4.7	7.1	4.8	7.3	4.9	7.7	4.9	8.2	4.8
	37.5	6.2	4.6	6.3	4.7	6.7	4.6	6.9	4.7	7.2	4.9	7.6	4.8	8.0	4.7
	40.0	6.1	4.6	6.1	4.6	6.6	4.6	6.8	4.6	7.7	5.1	7.4	4.8	7.8	4.7
	43.0	6.0	4.5	6.0	4.5	6.4	4.5	6.6	4.6	6.8	4.7	7.2	4.7	7.6	4.6
100 (11.2)	20.0	10.9	7.6	11.3	7.8	12.1	7.8	12.5	7.9	12.9	8.2	13.7	8.1	14.6	8.0
	22.5	10.8	7.6	11.2	7.8	11.9	7.8	12.3	7.8	12.7	8.1	13.5	8.0	14.3	7.9
	25.0	10.7	7.5	11.0	7.7	11.7	7.7	12.1	7.7	12.5	8.0	13.2	7.9	14.0	7.8
	27.5	10.5	7.4	10.8	7.6	11.5	7.5	11.9	7.6	12.2	7.9	13.0	7.8	13.7	7.7
	30.0	10.3	7.3	10.5	7.5	11.3	7.4	11.6	7.5	12.0	7.8	12.8	7.7	13.4	7.6
	32.5	10.1	7.2	10.4	7.4	11.0	7.3	11.4	7.4	11.8	7.7	12.4	7.6	13.2	7.5
	35.0	10.0	7.2	10.1	7.3	10.8	7.2	11.2	7.3	11.5	7.6	12.2	7.5	12.9	7.4
	37.5	9.9	7.1	9.9	7.2	10.6	7.1	10.9	7.2	11.3	7.5	12.0	7.4	12.7	7.3
	40.0	9.7	7.0	9.7	7.1	10.4	7.0	10.7	7.1	12.2	7.9	11.7	7.3	12.4	7.2
	43.0	9.4	6.9	9.4	6.9	10.1	6.9	10.4	7.0	10.7	7.2	11.4	7.2	12.0	7.0
125 (14.0)	20.0	13.6	9.5	14.1	9.8	15.1	9.8	15.7	9.9	16.2	10.3	17.2	10.1	18.2	10.0
	22.5	13.5	9.5	14.0	9.8	14.9	9.7	15.4	9.8	15.9	10.1	16.8	10.0	17.9	9.8
	25.0	13.4	9.4	13.7	9.6	14.6	9.6	15.1	9.7	15.6	10.0	16.5	9.9	17.5	9.7
	27.5	13.1	9.3	13.4	9.5	14.4	9.4	14.8	9.5	15.3	9.9	16.2	9.7	17.2	9.6
	30.0	12.9	9.2	13.2	9.3	14.1	9.3	14.6	9.4	15.0	9.7	16.0	9.6	16.8	9.4
	32.5	12.7	9.0	13.0	9.2	13.8	9.2	14.3	9.3	14.7	9.6	15.5	9.5	16.5	9.3
	35.0	12.5	8.9	12.7	9.1	13.4	9.0	14.0	9.2	14.4	9.5	15.3	9.3	16.2	9.2
	37.5	12.3	8.9	12.4	8.9	13.2	8.9	13.7	9.0	14.1	9.4	15.0	9.2	15.8	9.1
	40.0	12.1	8.8	12.1	8.8	13.0	8.8	13.4	8.9	15.2	9.8	14.6	9.1	15.5	8.9
	43.0	11.8	8.6	11.8	8.6	12.6	8.6	13.0	8.7	13.4	9.0	14.2	8.9	15.1	8.8

**PCFY-P-VGM-E**

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

### PCFY-P-VGM-E

SHC:Sensible Heat Capacity(kW)

Unit size (Rated kW)	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
	°CWB	SHC	SHC	SHC	SHC
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
63 (7.1)	-20.0	4.2	4.0	4.0	3.8
	-15.0	4.8	4.8	4.8	4.6
	-10.0	5.6	5.6	5.5	5.1
	-5.0	6.4	6.4	6.0	5.1
	0.0	7.2	7.2	6.0	5.1
	2.5	7.6	7.6	6.0	5.1
	6.0	8.2	8.0	6.0	5.1
	7.5	8.5	8.0	6.0	5.1
	10.0	8.8	8.0	6.0	5.1
	12.5	9.2	8.0	6.0	5.1
	15.5	9.2	8.0	6.0	5.1
100 (11.2)	-20.0	6.5	6.3	6.3	6.0
	-15.0	7.5	7.5	7.5	7.3
	-10.0	8.8	8.8	8.6	8.0
	-5.0	10.0	10.0	9.4	8.0
	0.0	11.3	11.3	9.4	8.0
	2.5	11.9	11.8	9.4	8.0
	6.0	12.8	12.5	9.4	8.0
	7.5	13.3	12.5	9.4	8.0
	10.0	13.8	12.5	9.4	8.0
	12.5	14.4	12.5	9.4	8.0
	15.5	14.4	12.5	9.4	8.0
125 (14.0)	-20.0	8.3	8.0	8.0	7.7
	-15.0	9.6	9.6	9.6	9.3
	-10.0	11.2	11.2	11.0	10.2
	-5.0	12.8	12.8	12.0	10.2
	0.0	14.4	14.4	12.0	10.2
	2.5	15.3	15.1	12.0	10.2
	6.0	16.4	16.0	12.0	10.2
	7.5	17.0	16.0	12.0	10.2
	10.0	17.7	16.0	12.0	10.2
	12.5	18.4	16.0	12.0	10.2
	15.5	18.4	16.0	12.0	10.2

PCFY-P-VGM-E

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

**PCFY-P-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
40 (4.5)	20.0	4.3	3.1	4.4	3.1	4.7	3.1	4.8	3.2	5.0	3.3	5.3	3.3	5.7	3.2
	22.5	4.2	3.1	4.3	3.1	4.6	3.1	4.8	3.1	5.0	3.3	5.3	3.2	5.6	3.2
	25.0	4.2	3.0	4.3	3.1	4.6	3.1	4.7	3.1	4.9	3.3	5.2	3.2	5.6	3.2
	27.5	4.1	3.0	4.2	3.1	4.5	3.1	4.7	3.1	4.9	3.2	5.2	3.2	5.4	3.1
	30.0	4.1	3.0	4.2	3.0	4.5	3.0	4.6	3.1	4.8	3.2	5.1	3.2	5.4	3.1
	32.5	4.1	3.0	4.1	3.0	4.4	3.0	4.5	3.0	4.8	3.2	5.1	3.2	5.4	3.1
	35.0	4.0	2.9	4.1	3.0	4.4	3.0	4.5	3.0	4.7	3.2	5.0	3.1	5.4	3.1
	37.5	4.0	2.9	4.0	3.0	4.3	3.0	4.4	3.0	4.7	3.1	5.0	3.1	5.3	3.1
	40.0	3.9	2.9	4.0	2.9	4.3	3.0	4.4	3.0	4.6	3.1	5.0	3.1	5.3	3.1
43.0	3.9	2.9	3.9	2.9	4.2	2.9	4.3	2.9	4.5	3.1	4.9	3.1	5.2	3.0	
63 (7.1)	20.0	6.7	4.8	6.9	5.0	7.4	4.9	7.6	5.0	7.9	5.2	8.4	5.1	8.9	5.1
	22.5	6.7	4.8	6.9	4.9	7.3	4.9	7.5	5.0	7.8	5.2	8.3	5.1	8.8	5.0
	25.0	6.6	4.8	6.8	4.9	7.2	4.9	7.5	4.9	7.7	5.1	8.2	5.1	8.8	5.0
	27.5	6.5	4.7	6.7	4.8	7.2	4.8	7.4	4.9	7.7	5.1	8.2	5.0	8.5	4.9
	30.0	6.5	4.7	6.6	4.8	7.1	4.8	7.3	4.9	7.6	5.1	8.1	5.0	8.6	4.9
	32.5	6.4	4.7	6.5	4.8	7.0	4.7	7.2	4.8	7.5	5.0	8.0	5.0	8.5	4.9
	35.0	6.3	4.6	6.4	4.7	6.9	4.7	7.1	4.8	7.4	5.0	8.0	5.0	8.4	4.9
	37.5	6.2	4.6	6.4	4.7	6.8	4.7	7.0	4.7	7.3	5.0	7.8	4.9	8.4	4.9
	40.0	6.1	4.6	6.3	4.7	6.8	4.7	6.9	4.7	7.2	4.9	7.8	4.9	8.3	4.8
43.0	6.1	4.5	6.2	4.6	6.7	4.6	6.8	4.7	7.2	4.9	7.7	4.8	8.2	4.8	
100 (11.2)	20.0	10.6	7.5	10.9	7.7	11.6	7.6	12.0	7.7	12.5	8.0	13.2	7.9	14.1	7.8
	22.5	10.5	7.4	10.8	7.6	11.5	7.6	11.9	7.6	12.3	8.0	13.2	7.9	13.9	7.8
	25.0	10.4	7.4	10.7	7.6	11.4	7.5	11.8	7.6	12.2	7.9	13.0	7.8	13.8	7.7
	27.5	10.3	7.3	10.5	7.5	11.3	7.5	11.6	7.5	12.1	7.9	12.9	7.8	13.4	7.6
	30.0	10.2	7.3	10.4	7.4	11.2	7.4	11.5	7.5	12.0	7.8	12.8	7.7	13.6	7.6
	32.5	10.1	7.2	10.3	7.4	11.0	7.3	11.3	7.4	11.9	7.8	12.7	7.7	13.4	7.6
	35.0	10.0	7.2	10.1	7.3	10.9	7.3	11.2	7.3	11.6	7.7	12.5	7.6	13.3	7.5
	37.5	9.9	7.1	10.0	7.2	10.8	7.2	11.0	7.3	11.6	7.6	12.4	7.6	13.2	7.5
	40.0	9.7	7.0	9.9	7.2	10.7	7.2	10.9	7.2	11.4	7.6	12.3	7.5	13.1	7.4
43.0	9.6	7.0	9.8	7.1	10.5	7.1	10.8	7.1	11.3	7.5	12.1	7.4	13.0	7.4	
125 (14.0)	20.0	13.2	9.3	13.7	9.6	14.6	9.5	15.0	9.6	15.6	10.0	16.5	9.9	17.6	9.8
	22.5	13.2	9.3	13.5	9.5	14.4	9.5	14.8	9.5	15.4	9.9	16.5	9.8	17.4	9.7
	25.0	13.0	9.2	13.4	9.4	14.3	9.4	14.7	9.5	15.3	9.9	16.2	9.7	17.3	9.6
	27.5	12.9	9.2	13.2	9.3	14.1	9.3	14.6	9.4	15.1	9.8	16.1	9.7	16.8	9.4
	30.0	12.7	9.1	13.0	9.3	14.0	9.3	14.4	9.3	15.0	9.7	16.0	9.6	16.9	9.5
	32.5	12.6	9.0	12.9	9.2	13.7	9.1	14.1	9.2	14.8	9.7	15.8	9.6	16.8	9.4
	35.0	12.5	8.9	12.7	9.1	13.7	9.1	14.0	9.2	14.6	9.5	15.7	9.5	16.7	9.4
	37.5	12.3	8.9	12.6	9.0	13.4	9.0	13.8	9.1	14.5	9.5	15.5	9.4	16.5	9.3
	40.0	12.1	8.8	12.4	8.9	13.4	9.0	13.6	9.0	14.3	9.4	15.4	9.4	16.4	9.3
43.0	12.0	8.7	12.3	8.9	13.2	8.9	13.4	8.9	14.1	9.4	15.1	9.3	16.2	9.2	

**PCFY-P-VGM-E**

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

### PCFY-P-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
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
63 (7.1)	-20.0	4.2	4.1	4.1	4.0
	-15.0	5.0	4.8	4.8	4.6
	-10.0	5.8	5.6	5.4	5.3
	-5.0	6.6	6.4	6.2	5.6
	0.0	7.4	7.2	6.4	5.6
	2.5	7.7	7.6	6.4	5.6
	6.0	8.2	8.0	6.4	5.6
	7.5	8.5	8.0	6.4	5.6
	10.0	8.9	8.0	6.4	5.6
	12.5	9.3	8.0	6.4	5.6
	15.5	9.3	8.0	6.4	5.6
100 (11.2)	-20.0	6.6	6.4	6.4	6.3
	-15.0	7.8	7.6	7.5	7.3
	-10.0	9.0	8.8	8.5	8.3
	-5.0	10.3	10.0	9.6	8.8
	0.0	11.5	11.3	9.9	8.8
	2.5	12.0	11.9	9.9	8.8
	6.0	12.9	12.5	9.9	8.8
	7.5	13.3	12.5	9.9	8.8
	10.0	13.9	12.5	9.9	8.8
	12.5	14.5	12.5	9.9	8.8
	15.5	14.5	12.5	9.9	8.8
125 (14.0)	-20.0	8.5	8.2	8.2	8.0
	-15.0	10.0	9.7	9.6	9.3
	-10.0	11.5	11.2	10.9	10.6
	-5.0	13.1	12.8	12.3	11.3
	0.0	14.7	14.4	12.7	11.3
	2.5	15.4	15.2	12.7	11.3
	6.0	16.5	16.0	12.7	11.3
	7.5	17.0	16.0	12.7	11.3
	10.0	17.8	16.0	12.7	11.3
	12.5	18.6	16.0	12.7	11.3
	15.5	18.6	16.0	12.7	11.3

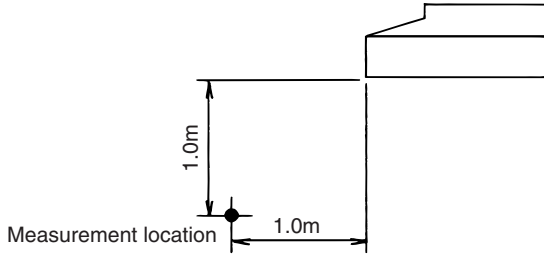
PCFY-P-VGM-E



# 3. Sound Levels

## 3.1 Noise levels

Ceiling suspended



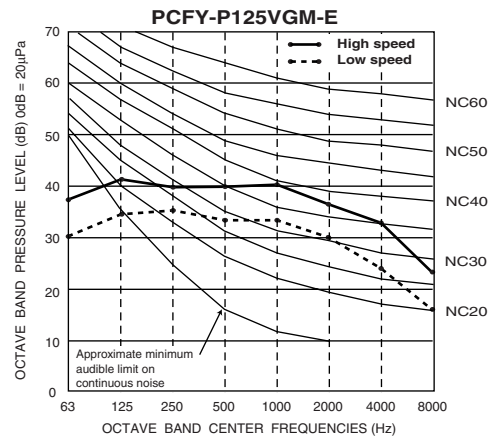
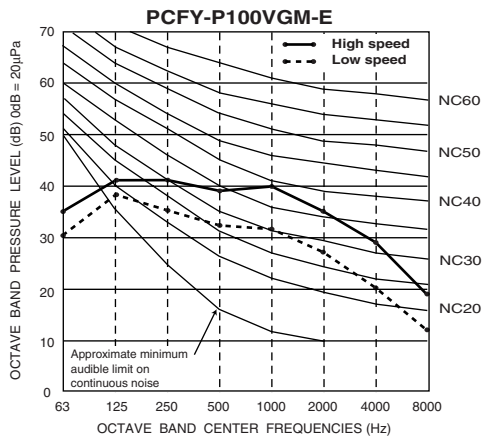
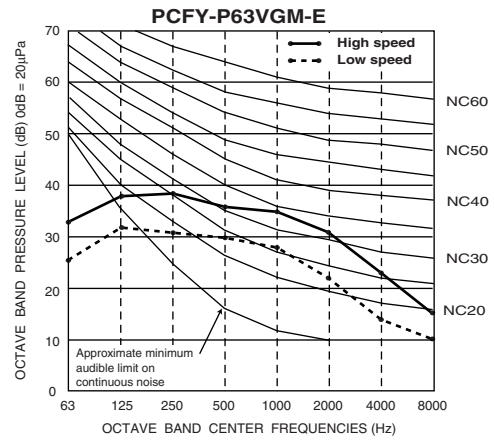
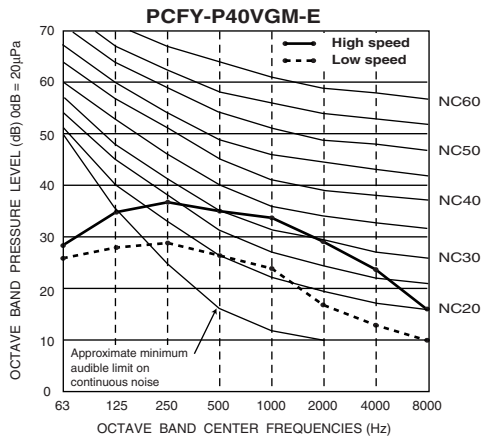
Noise level at anechoic room  
(Low-Middle2-Middle1-High)

Unit : dB(A)

Model	Noise level (A weighted)
PCFY-P40VGM-E	29-33-36-38
PCFY-P63VGM-E	32-34-37-39
PCFY-P100VGM-E	36-38-41-43
PCFY-P125VGM-E	37-39-42-44

PCFY-P-VGM-E

## 3.2 NC curves

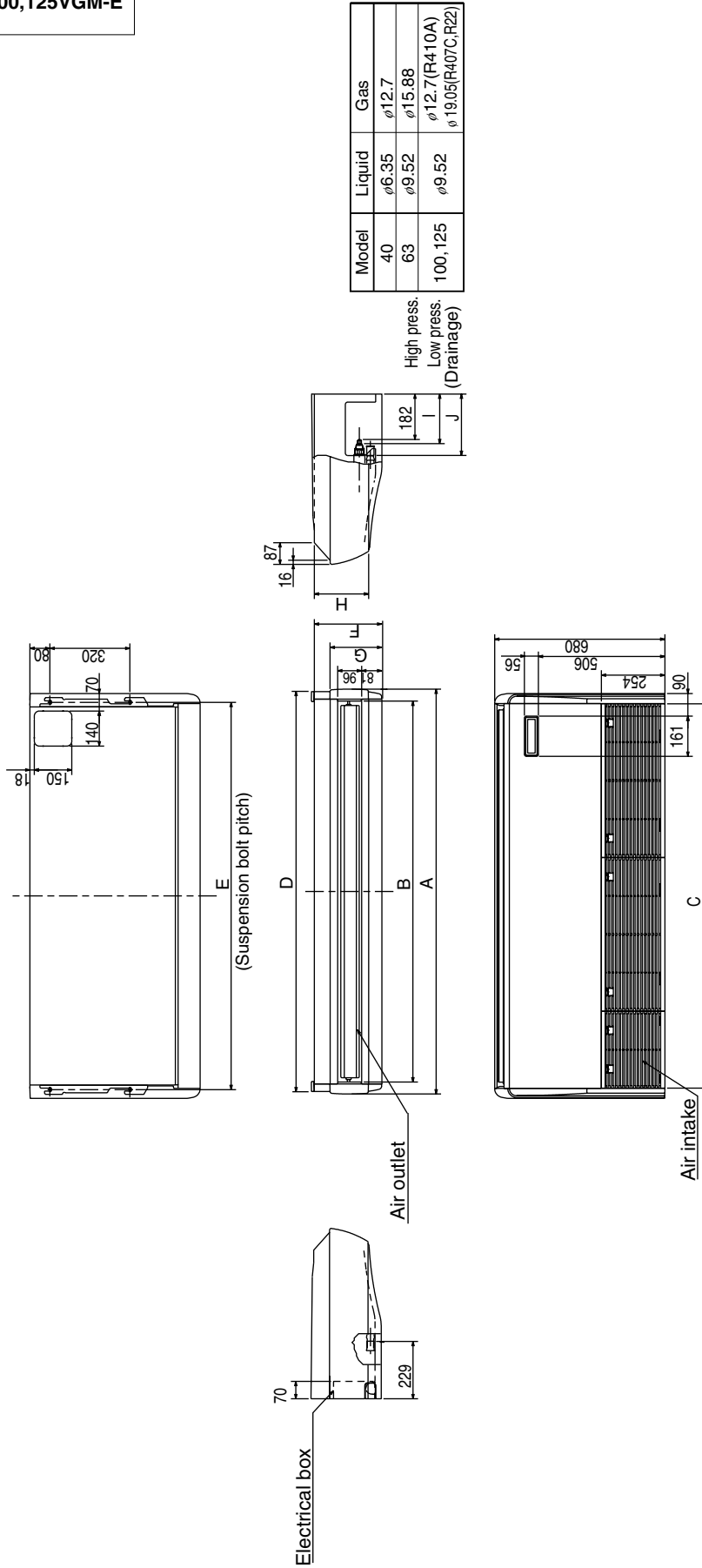


# 4. External Dimension

PCFY-P-VGM-E

PCFY-P40,63,100,125VGM-E

Unit : mm



Model	Liquid	Gas
40	φ6.35	φ12.7
63	φ9.52	φ15.88
100, 125	φ9.52	φ12.7 (R410A) φ19.05 (R407C, R22)

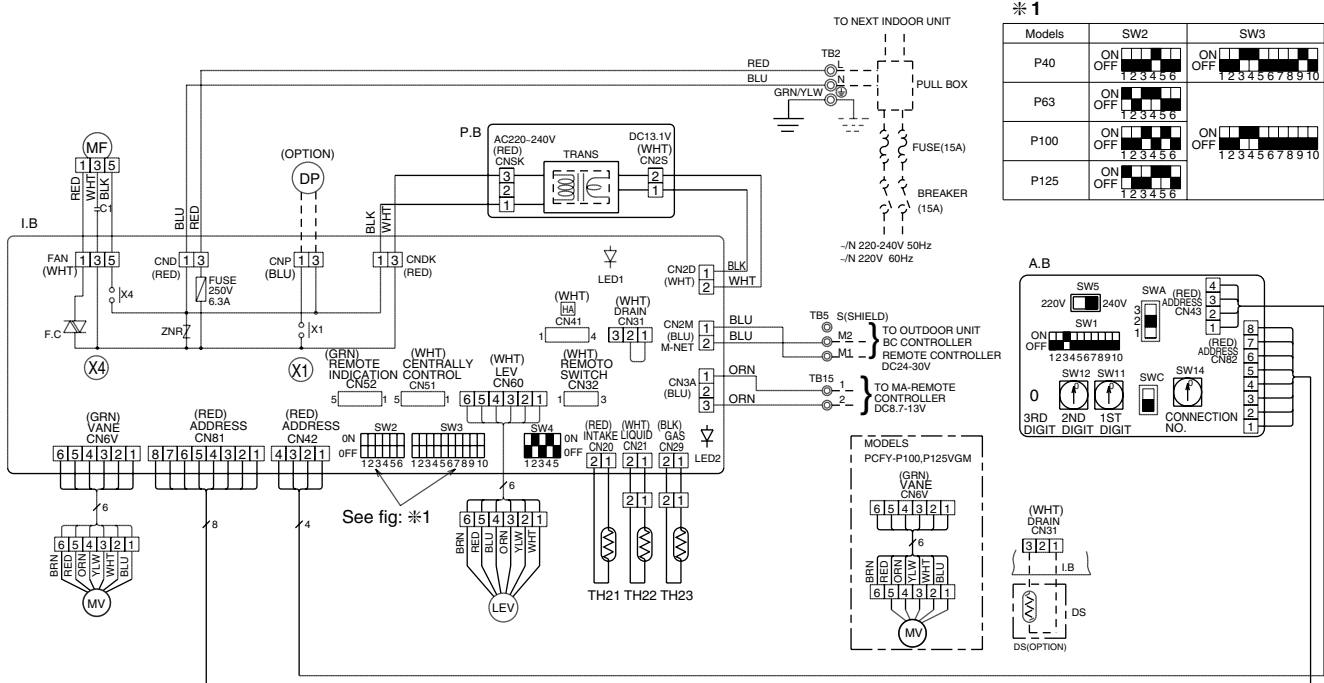
High press.  
Low press.  
(Drainage)

Model	A	B	C	D	E	F	G	H	I	J
PCFY -P40VGM-E	1,000	904	918	983	933	210	180	157	201	241
PCFY -P63VGM-E	1,310	1,214	1,228	1,290	1,240	210	180	157	201	241
PCFY -P100VGM-E	1,310	1,214	1,228	1,290	1,240	270	207	217	198	245
PCFY -P125VGM-E	1,620	1,524	1,535	1,600	1,547	270	207	217	198	245

# 5. Electrical Wiring Diagram

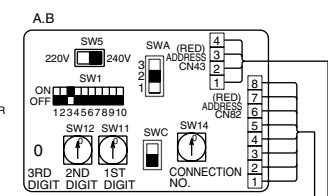
<SYMBOL EXPLANATION>

Symbol	Name	Symbol	Name	Symbol	Name	
I.B	Indoor controller board	C1	Capacitor(fan motor)	A.B	Circuit board	
CN32	Connector	LEV	Linear expansion valve	SW1	Switch	
CN51		MF	Fan motor(with inner thermo)	SW5		Mode selection
CN52		MV	Vane motor	SW11		Voltage selection
CNP		TH21	Thermistor	SW12		Address setting 1st digit
F.C	TH22	Room temp. detection (0°C/15kΩ,25°C/5.4kΩ)		SW14		Address setting 2nd digit
FUSE	Fuse (6.3A)	TH23	Pipe temp. detection / Liquid (0°C/15kΩ,25°C/5.4kΩ)	SWA	Ceiling heigh selector	
SW2	Switch	TH23	Pipe temp. detection / Gas (0°C/15kΩ,25°C/5.4kΩ)	SWC	Option selector	
SW3				Capacity code	Led on indoor board for sevice	
SW4	Mode selection	Terminal block	Power supply	Mark	Meaning	Function
X1	Drain-up machine			TB2	Transmission	LED1
X4	Fan motor	TB5	MA-remote controller	LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on →amp is lit
ZNR	Varistor	TB15				
P.B	Indoor power board	DP	Drain-up machine (OPTION)			
		DS	Drain sensor (OPTION)			



**\* 1**

Models	SW2	SW3
P40	ON OFF 1 2 3 4 5 6	ON OFF 1 2 3 4 5 6 7 8 9 10
P63	ON OFF 1 2 3 4 5 6	ON OFF 1 2 3 4 5 6 7 8 9 10
P100	ON OFF 1 2 3 4 5 6	ON OFF 1 2 3 4 5 6 7 8 9 10
P125	ON OFF 1 2 3 4 5 6	ON OFF 1 2 3 4 5 6 7 8 9 10



Note

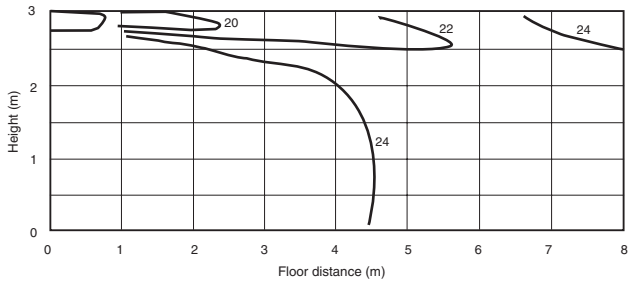
- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- In case of using MA-Remote controller, please connect to TB15.  
(Remote controller wire is non-polar.)
- In case of using M-NET, please connect to TB5. (Transmission line is non-polar.)
- Symbol[S] of TB5 is the shield 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.
- Fasten terminal of the terminal board "TB5" equips lock system.  
To remove the fasten terminal, pull it while pressing the protruding portion (locking lever) of the terminal.  
Connection of the fasten terminal, protruding portion should face upward.

# 6. Temperature/Airflow distribution

## 6.1 Temperature distribution

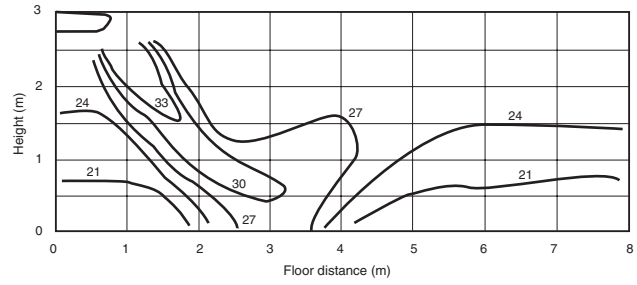
<Cooling mode>

Flow angle : 0°



<Heating mode>

Flow angle : 60°

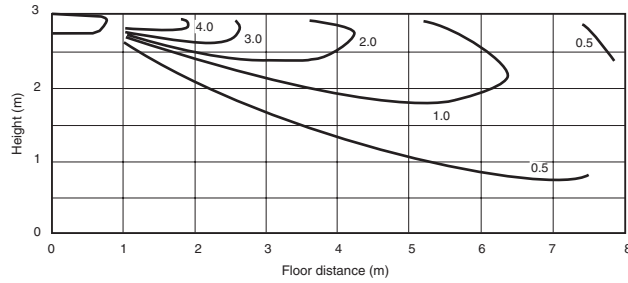


PCFY-P-VGM-E

## 6.2 Airflow distribution

<Fan mode>

Flow angle : 0°



<Fan mode>

Flow angle : 60°

