

Ceiling suspended

PCFY-P-VGM-A

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# 1. Specifications

			PCFY-P40VGM-A	PCFY-P63VGM-A	PCFY-P100VGM-A	PCFY-P125VGM-A
Power source			~ 220-240V 50Hz / ~220V 60Hz			
Cooling capacity	※ 1	kW	4.5	7.1	11.2	14.0
	※ 2	kcal/h	4,000	6,300	10,000	12,500
Heating capacity	※ 1	kW	5.0	8.0	12.5	16.0
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(Munsell No.)			0.70Y 8.59/0.97			
Dimension ※ 3	Height	mm	210		270	
	Width	mm	1,000	1,310		1,620
	Depth	mm	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 ※ 3 (Lo-Mid2-Mid1-Hi)	m³/min	8-10-11-12	12-14-16-18	18-20-23-25	26-28-32-35
	External static pressure	Pa	0			
Motor	Type		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□19.05	
	Liquid (Flare)	mm	ø□6.35	ø□9.52		
Drain pipe dimension			VP-25			
Noise level (Lo-Mid2-Mid1-Hi) ※ 3		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)

※ 3 External dimension/net weight are shown in (unit/panel), and airflw rate/noise level are in (low-middle 2-middle 1-high).

## 2. Capacity tables

### 2-1.Cooling Capacity (In combination with PUMY-125YM(A))

**PCFY-P-VGM-A**

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

Unit size	Outdoor air temp.	Indoor air temp.							
		23°CDB 16°CWB		25°CDB 18°CWB		28°CDB 20°CWB		30°CDB 22°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA
40 (4.5)	20.0	4.5	3.1	4.7	3.2	5.0	3.2	5.3	3.3
	22.5	4.4	3.1	4.6	3.2	5.0	3.2	5.2	3.3
	25.0	4.3	3.1	4.6	3.2	4.9	3.2	5.2	3.3
	27.5	4.3	3.0	4.6	3.2	4.9	3.2	5.1	3.2
	30.0	4.2	3.0	4.5	3.2	4.8	3.1	5.1	3.2
	32.5	4.2	3.0	4.4	3.1	4.7	3.1	5.0	3.2
	35.0	4.1	2.9	4.4	3.1	4.7	3.1	5.0	3.2
	37.5	4.1	2.9	4.3	3.1	4.6	3.0	4.9	3.1
	40.0	4.0	2.9	4.3	3.0	4.5	3.0	4.8	3.1
	46.0	3.8	2.8	4.1	3.0	4.3	2.9	4.6	3.0
63 (7.1)	20.0	7.0	5.0	7.4	5.1	7.9	5.1	8.3	5.3
	22.5	6.9	4.9	7.3	5.1	7.8	5.1	8.2	5.2
	25.0	6.9	4.9	7.3	5.1	7.7	5.1	8.2	5.2
	27.5	6.8	4.8	7.2	5.0	7.7	5.0	8.1	5.2
	30.0	6.7	4.8	7.1	5.0	7.5	5.0	8.0	5.1
	32.5	6.6	4.7	7.0	5.0	7.5	4.9	7.9	5.1
	35.0	6.5	4.7	6.9	4.9	7.3	4.9	7.8	5.0
	37.5	6.4	4.6	6.8	4.9	7.2	4.8	7.7	5.0
	40.0	6.3	4.6	6.7	4.8	7.2	4.8	7.6	4.9
	46.0	6.1	4.5	6.5	4.7	6.9	4.6	7.3	4.8
100 (11.2)	20.0	11.1	7.8	11.6	8.1	12.5	8.1	13.1	8.3
	22.5	10.9	7.8	11.5	8.1	12.3	8.0	13.0	8.3
	25.0	10.8	7.7	11.5	8.0	12.2	8.0	12.9	8.2
	27.5	10.7	7.6	11.3	8.0	12.1	7.9	12.8	8.2
	30.0	10.5	7.5	11.2	7.9	11.9	7.8	12.6	8.1
	32.5	10.4	7.5	11.1	7.8	11.8	7.8	12.5	8.0
	35.0	10.2	7.4	10.9	7.8	11.6	7.7	12.3	7.9
	37.5	10.1	7.3	10.8	7.7	11.4	7.6	12.2	7.9
	40.0	10.0	7.3	10.6	7.6	11.3	7.6	12.0	7.8
	46.0	9.6	7.1	10.2	7.4	10.8	7.3	11.5	7.6
125 (14.0)	20.0	13.9	9.9	14.6	10.3	15.6	10.2	16.4	10.5
	22.5	13.7	9.8	14.4	10.2	15.4	10.1	16.2	10.4
	25.0	13.5	9.7	14.3	10.1	15.3	10.1	16.1	10.3
	27.5	13.4	9.6	14.2	10.1	15.1	10.0	16.0	10.3
	30.0	13.2	9.5	14.0	10.0	14.9	9.9	15.8	10.2
	32.5	13.0	9.4	13.8	9.9	14.7	9.8	15.6	10.1
	35.0	12.8	9.3	13.7	9.8	14.5	9.7	15.4	10.0
	37.5	12.6	9.2	13.4	9.7	14.3	9.6	15.2	9.9
	40.0	12.5	9.1	13.3	9.6	14.1	9.5	15.0	9.8
	46.0	12.0	8.9	12.8	9.4	13.5	9.2	14.4	9.6

### 2-2.Heating Capacity (In combination with PUMY-125YM(A))

**PCFY-P-VGM-A**

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		°CWB	SHC	SHC
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
	10.0	5.5	5.5	5.0
	12.5	5.9	5.5	5.0
	15.5	6.2	5.5	5.0
63	-12.0	5.1	5.0	4.9
	-10.0	5.4	5.3	5.2
	-5.0	6.1	6.0	5.9
	0.0	6.9	6.9	6.8
	2.5	7.4	7.3	7.2
	6.0	8.0	8.0	7.9
	7.5	8.3	8.3	7.9
	10.0	8.8	8.8	7.9
	12.5	9.4	8.8	7.9
	15.5	9.8	8.8	7.9

Unit size	Outdoor air temp.	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		°CWB	SHC	SHC
100	-12.0	8.0	7.8	7.7
	-10.0	8.4	8.2	8.1
	-5.0	9.6	9.4	9.3
	0.0	10.9	10.7	10.6
	2.5	11.5	11.4	11.3
	6.0	12.6	12.5	12.3
	7.5	13.0	12.9	12.4
	10.0	13.8	13.7	12.4
	12.5	14.6	13.8	12.4
	15.5	15.4	13.8	12.4
125	-12.0	10.2	10.0	9.8
	-10.0	10.7	10.6	10.4
	-5.0	12.2	12.1	11.9
	0.0	13.9	13.8	13.6
	2.5	14.8	14.7	14.5
	6.0	16.1	16.0	15.8
	7.5	16.7	16.6	15.8
	10.0	17.7	17.6	15.8
	12.5	18.7	17.7	15.8
	15.5	19.7	17.7	15.8

## 2-3.Cooling Capacity (In combination with PU(H)Y,PURY-(P)200-250YMF-C)

### PCFY-P-VGM-A

CA:Capacity(kW)

SHC:Sensible heat Capacity(kW)

Unit size	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	4.7	3.1	4.8	3.1	4.9	3.2	5.0	3.1	5.2	3.0
	22.5	4.4	3.1	4.5	3.1	4.6	3.1	4.7	3.1	4.8	3.1	5.0	3.1	5.2	3.0
	25.0	4.3	3.1	4.4	3.1	4.6	3.0	4.7	3.0	4.8	3.1	5.0	3.0	5.1	3.0
	27.5	4.3	3.0	4.4	3.1	4.5	3.0	4.6	3.0	4.7	3.1	4.9	3.0	5.1	2.9
	30.0	4.2	3.0	4.3	3.1	4.5	3.0	4.6	3.0	4.7	3.1	4.9	3.0	5.0	2.9
	32.5	4.2	3.0	4.3	3.0	4.5	3.0	4.5	3.0	4.6	3.1	4.8	3.0	5.0	2.9
	35.0	4.1	3.0	4.2	3.0	4.4	2.9	4.5	3.0	4.6	3.0	4.8	3.0	5.0	2.9
	37.5	4.1	2.9	4.2	3.0	4.4	2.9	4.5	2.9	4.5	3.0	4.7	3.0	4.9	2.9
	40.0	4.1	2.9	4.1	3.0	4.3	2.9	4.4	2.9	4.5	3.0	4.7	2.9	4.9	2.9
43.0	4.0	2.9	4.1	2.9	4.3	2.9	4.4	2.9	4.4	3.0	4.6	2.9	4.8	2.8	
63 (7.1)	20.0	7.0	4.9	7.1	5.0	7.4	4.9	7.5	4.9	7.7	5.0	8.0	4.9	8.2	4.7
	22.5	6.9	4.9	7.0	5.0	7.3	4.8	7.5	4.9	7.6	5.0	7.9	4.9	8.2	4.7
	25.0	6.8	4.8	7.0	4.9	7.2	4.8	7.4	4.8	7.5	5.0	7.8	4.8	8.1	4.7
	27.5	6.7	4.8	6.9	4.9	7.2	4.8	7.3	4.8	7.5	4.9	7.7	4.8	8.0	4.7
	30.0	6.7	4.8	6.8	4.9	7.1	4.7	7.2	4.8	7.4	4.9	7.7	4.8	8.0	4.6
	32.5	6.6	4.7	6.7	4.8	7.0	4.7	7.2	4.7	7.3	4.9	7.6	4.7	7.9	4.6
	35.0	6.5	4.7	6.7	4.8	7.0	4.7	7.1	4.7	7.2	4.8	7.5	4.7	7.8	4.6
	37.5	6.5	4.7	6.6	4.7	6.9	4.6	7.0	4.7	7.2	4.8	7.5	4.7	7.7	4.6
	40.0	6.4	4.6	6.5	4.7	6.8	4.6	7.0	4.6	7.1	4.8	7.4	4.7	7.7	4.5
43.0	6.3	4.6	6.4	4.7	6.7	4.6	6.9	4.6	7.0	4.7	7.3	4.6	7.6	4.5	
100 (11.2)	20.0	11.0	7.8	11.2	7.9	11.6	7.7	11.9	7.7	12.1	8.0	12.5	7.7	13.0	7.5
	22.5	10.9	7.7	11.1	7.9	11.5	7.7	11.8	7.7	12.0	7.9	12.4	7.7	12.9	7.5
	25.0	10.8	7.7	11.0	7.8	11.4	7.6	11.6	7.7	11.9	7.9	12.3	7.7	12.8	7.4
	27.5	10.6	7.6	10.9	7.7	11.3	7.6	11.5	7.6	11.8	7.8	12.2	7.6	12.7	7.4
	30.0	10.5	7.5	10.8	7.7	11.2	7.5	11.4	7.6	11.6	7.8	12.1	7.6	12.5	7.3
	32.5	10.4	7.5	10.6	7.6	11.1	7.5	11.3	7.5	11.5	7.7	12.0	7.5	12.4	7.3
	35.0	10.3	7.4	10.5	7.6	11.0	7.4	11.2	7.5	11.4	7.7	11.9	7.5	12.3	7.3
	37.5	10.2	7.4	10.4	7.5	10.9	7.4	11.1	7.4	11.3	7.6	11.8	7.4	12.2	7.2
	40.0	10.1	7.3	10.3	7.5	10.8	7.3	11.0	7.4	11.2	7.6	11.6	7.4	12.1	7.2
43.0	9.9	7.2	10.2	7.4	10.6	7.2	10.8	7.3	11.1	7.5	11.5	7.3	12.0	7.1	
125 (14.0)	20.0	13.7	9.8	14.0	10.0	14.6	9.7	14.8	9.8	15.1	10.1	15.7	9.8	16.2	9.5
	22.5	13.6	9.7	13.9	9.9	14.4	9.7	14.7	9.7	15.0	10.0	15.5	9.7	16.1	9.4
	25.0	13.4	9.6	13.7	9.8	14.3	9.6	14.6	9.6	14.8	9.9	15.4	9.7	16.0	9.4
	27.5	13.3	9.6	13.6	9.8	14.1	9.5	14.4	9.6	14.7	9.9	15.3	9.6	15.8	9.3
	30.0	13.2	9.5	13.4	9.7	14.0	9.5	14.3	9.5	14.6	9.8	15.1	9.6	15.7	9.3
	32.5	13.0	9.4	13.3	9.6	13.9	9.4	14.1	9.5	14.4	9.8	15.0	9.5	15.5	9.2
	35.0	12.9	9.4	13.2	9.6	13.7	9.3	14.0	9.4	14.3	9.7	14.8	9.4	15.4	9.2
	37.5	12.7	9.3	13.0	9.5	13.6	9.3	13.9	9.3	14.1	9.6	14.7	9.4	15.3	9.1
	40.0	12.6	9.2	12.9	9.4	13.4	9.2	13.7	9.3	14.0	9.6	14.6	9.3	15.1	9.1
43.0	12.4	9.1	12.7	9.3	13.3	9.1	13.6	9.2	13.8	9.5	14.4	9.3	15.0	9.0	

## 2-4.Heating Capacity (In combination with PU(H)Y,PURY-(P)200-250YMF-C)

### PCFY-P-VGM-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		°CWB	SHC	SHC	SHC
40	-15.0	3.3	3.3	3.3	3.3
	-10.0	3.8	3.8	3.7	3.5
	-5.0	4.3	4.2	3.9	3.5
	0.0	4.8	4.7	3.9	3.5
	2.5	5.0	5.0	3.9	3.5
	6.0	5.1	5.0	3.9	3.5
	7.5	5.3	5.0	3.9	3.5
	10.0	5.6	5.0	3.9	3.5
	12.5	6.0	5.0	3.9	3.5
	15.5	6.1	5.0	3.9	3.5
63	-15.0	5.4	5.3	5.2	5.2
	-10.0	6.1	6.0	6.0	5.5
	-5.0	6.9	6.8	6.2	5.5
	0.0	7.6	7.5	6.2	5.5
	2.5	8.0	7.9	6.2	5.5
	6.0	8.1	8.0	6.2	5.5
	7.5	8.4	8.0	6.2	5.5
	10.0	9.0	8.0	6.2	5.5
	12.5	9.6	8.0	6.2	5.5
	15.5	9.7	8.0	6.2	5.5

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		°CWB	SHC	SHC	SHC
100	-15.0	8.4	8.2	8.2	8.1
	-10.0	9.6	9.4	9.3	8.6
	-5.0	10.7	10.6	9.8	8.6
	0.0	11.9	11.8	9.8	8.6
	2.5	12.5	12.4	9.8	8.6
	6.0	12.6	12.5	9.8	8.6
	7.5	13.2	12.5	9.8	8.6
125	10.0	14.1	12.5	9.8	8.6
	12.5	15.0	12.5	9.8	8.6
	15.5	15.1	12.5	9.8	8.6
	-15.0	10.7	10.6	10.5	10.4
	-10.0	12.2	12.1	11.9	11.0
	-5.0	13.7	13.6	12.5	11.0
	0.0	15.3	15.1	12.5	11.0
	2.5	16.0	15.8	12.5	11.0
6.0	16.2	16.0	12.5	11.0	
7.5	16.8	16.0	12.5	11.0	
10.0	18.0	16.0	12.5	11.0	
12.5	19.1	16.0	12.5	11.0	
15.5	19.4	16.0	12.5	11.0	

**2-5.Cooling capacity  
(In combination with PUHY-(P)315-400-500-600-650-700-750Y(S)MF-B,Y(S)MC)**

CA:Capacity(kcal/h)  
SHC:Sensible heat Capacity(kcal/h)

**PCFY-P-VGM-A**

Unit size	Outdoor air temp. °CDB	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19.5°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	20.0	3625	2577	3803	2676	4098	2681	4315	2747	4383	2816	4640	2775	4917	2731
	22.5	3625	2577	3788	2669	4063	2664	4262	2723	4329	2791	4579	2749	4848	2704
	25.0	3597	2562	3751	2650	4017	2642	4210	2699	4274	2767	4518	2724	4778	2677
	27.5	3568	2547	3715	2631	3971	2620	4157	2676	4220	2742	4457	2699	4708	2650
	30.0	3539	2532	3678	2613	3925	2598	4105	2652	4165	2718	4396	2673	4639	2624
	32.5	3511	2517	3641	2594	3879	2576	4052	2628	4111	2694	4335	2648	4569	2598
	35.0	3482	2502	3605	2576	3833	2555	4000	2605	4056	2670	4274	2624	4500	2572
	37.5	3453	2487	3568	2558	3787	2533	3948	2582	4002	2646	4213	2599	4430	2546
	40.0	3424	2472	3531	2539	3741	2512	3895	2558	3947	2623	4152	2574	4361	2520
	43.0	3389	2454	3487	2518	3686	2486	3832	2531	3882	2594	4078	2545	4277	2489
63	20.0	5710	4082	5989	4241	6455	4247	6796	4354	6904	4464	7309	4399	7744	4329
	22.5	5710	4082	5966	4229	6399	4220	6713	4316	6818	4426	7212	4359	7635	4287
	25.0	5665	4058	5908	4200	6326	4186	6630	4279	6732	4387	7116	4319	7525	4245
	27.5	5620	4035	5851	4171	6254	4152	6548	4242	6646	4349	7020	4280	7416	4204
	30.0	5574	4012	5793	4142	6181	4118	6465	4205	6560	4312	6924	4241	7306	4162
	32.5	5529	3988	5735	4113	6109	4084	6383	4168	6475	4274	6828	4201	7197	4121
	35.0	5484	3965	5677	4084	6037	4050	6300	4131	6389	4237	6731	4163	7087	4080
	37.5	5438	3942	5620	4055	5964	4016	6217	4095	6303	4199	6635	4124	6978	4040
	40.0	5393	3918	5562	4027	5892	3983	6135	4059	6217	4162	6539	4085	6868	3999
	43.0	5338	3891	5493	3993	5805	3943	6036	4015	6114	4118	6424	4040	6737	3951
100	20.0	9063	6490	9507	6744	10245	6753	10787	6924	10958	7100	11601	6996	12293	6884
	22.5	9063	6490	9470	6726	10157	6711	10656	6864	10822	7040	11448	6933	12119	6817
	25.0	8993	6454	9378	6679	10042	6657	10525	6805	10686	6979	11296	6870	11945	6751
	27.5	8920	6417	9287	6633	9927	6602	10393	6746	10550	6919	11143	6808	11771	6686
	30.0	8848	6380	9195	6588	9812	6549	10262	6688	10413	6860	10990	6746	11597	6620
	32.5	8776	6343	9103	6542	9697	6495	10131	6630	10277	6800	10837	6684	11423	6555
	35.0	8704	6306	9012	6496	9582	6441	10000	6572	10141	6741	10685	6622	11250	6491
	37.5	8632	6269	8920	6451	9467	6388	9869	6514	10005	6682	10532	6561	11076	6427
	40.0	8560	6232	8828	6406	9352	6335	9738	6457	9868	6623	10379	6500	10902	6363
	43.0	8474	6188	8718	6351	9214	6272	9580	6388	9705	6553	10196	6428	10693	6286
125	20.0	11329	8173	11883	8495	12807	8505	13484	8723	13698	8949	14501	8819	15366	8679
	22.5	11329	8173	11837	8472	12696	8453	13320	8650	13527	8874	14310	8741	15149	8597
	25.0	11241	8128	11723	8415	12552	8385	13156	8576	13357	8800	14119	8663	14931	8515
	27.5	11151	8082	11608	8358	12408	8318	12992	8504	13187	8725	13929	8586	14714	8434
	30.0	11060	8036	11494	8301	12265	8252	12828	8431	13017	8651	13738	8509	14497	8353
	32.5	10970	7990	11379	8244	12121	8185	12664	8359	12846	8577	13547	8432	14279	8272
	35.0	10880	7944	11265	8188	11977	8119	12500	8287	12676	8504	13356	8356	14062	8192
	37.5	10790	7899	11150	8132	11834	8053	12336	8216	12506	8431	13165	8280	13845	8113
	40.0	10700	7853	11035	8076	11690	7987	12172	8145	12335	8358	12974	8205	13627	8034
	43.0	10592	7799	10898	8008	11518	7908	11975	8060	12131	8272	12745	8115	13367	7939

**2-6. Heating capacity**  
**(In combination with PUHY-(P)315-400-500-600-650-700-750Y(S)MF-B,Y(S)MC)**

**PCFY-P-VGM-A**

SHC:Sensible heat Capacity(kcal/h)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°CWB	SHC	SHC	SHC	SHC
40	-15.0	3111	3064	3018	2999
	-10.0	3549	3503	3456	3201
	-5.0	3987	3941	3619	3201
	0.0	4426	4379	3619	3201
	2.5	4645	4500	3619	3201
	6.0	4686	4500	3619	3201
	7.5	4883	4500	3619	3201
	10.0	5211	4500	3619	3201
	12.5	5539	4500	3619	3201
	15.5	5613	4500	3619	3201
63	-15.0	4908	4835	4761	4732
	-10.0	5599	5526	5453	5051
	-5.0	6291	6218	5709	5051
	0.0	6983	6910	5709	5051
	2.5	7329	7100	5709	5051
	6.0	7393	7100	5709	5051
	7.5	7704	7100	5709	5051
	10.0	8221	7100	5709	5051
	12.5	8739	7100	5709	5051
	15.5	8857	7100	5709	5051

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°CWB	SHC	SHC	SHC	SHC
100	-15.0	7742	7626	7511	7465
	-10.0	8833	8718	8602	7967
	-5.0	9924	9809	9006	7967
	0.0	11015	10900	9006	7967
	2.5	11561	11200	9006	7967
	6.0	11662	11200	9006	7967
	7.5	12152	11200	9006	7967
	10.0	12969	11200	9006	7967
	12.5	13786	11200	9006	7967
	15.5	13971	11200	9006	7967
125	-15.0	9677	9533	9389	9331
	-10.0	11041	10897	10753	9959
	-5.0	12405	12261	11258	9959
	0.0	13769	13625	11258	9959
	2.5	14451	14000	11258	9959
	6.0	14577	14000	11258	9959
	7.5	15190	14000	11258	9959
	10.0	16211	14000	11258	9959
	12.5	17232	14000	11258	9959
	15.5	17464	14000	11258	9959

**2-7.Cooling Capacity (In combination with PQRV-P200-250YMF-B)**

**PCFY-P-VGM-A**

CA:Capacity(kcal/h)  
SHC:Sensible heat Capacity(kcal/h)

Unit size	Water temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19.5°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
	°C	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
40	10	3828	2684	3960	2757	4211	2735	4400	2787	4457	2849	4708	2803	4972	2752
	20	3689	2610	3816	2683	4058	2662	4240	2713	4295	2776	4537	2732	4791	2682
	30	3480	2501	3600	2574	3828	2553	4000	2605	4052	2668	4280	2626	4520	2579
	40	3028	2273	3132	2344	3330	2324	3480	2379	3525	2443	3724	2405	3932	2364
	45	2854	2187	2952	2259	3139	2240	3280	2294	3323	2359	3510	2323	3706	2284
63	10	6029	4249	6237	4367	6632	4332	6930	4415	7020	4516	7415	4443	7831	4362
	20	5810	4134	6010	4251	6391	4217	6678	4300	6765	4402	7145	4331	7546	4253
	30	5481	3963	5670	4080	6029	4046	6300	4131	6382	4234	6741	4166	7119	4092
	40	4768	3606	4933	3722	5245	3690	5481	3777	5552	3881	5865	3821	6194	3756
	45	4494	3473	4649	3588	4944	3557	5166	3645	5233	3750	5528	3693	5838	3630
100	10	9570	6755	9900	6945	10527	6888	11000	7021	11143	7183	11770	7066	12430	6937
	20	9222	6573	9540	6761	10144	6705	10600	6839	10738	7002	11342	6889	11978	6764
	30	8700	6304	9000	6490	9570	6436	10000	6572	10130	6736	10700	6628	11300	6509
	40	7569	5737	7830	5922	8326	5871	8700	6011	8813	6178	9309	6082	9831	5977
	45	7134	5526	7380	5710	7847	5660	8200	5802	8307	5970	8774	5879	9266	5779
125	10	11963	8502	12375	8743	13159	8672	13750	8843	13929	9052	14713	8906	15538	8744
	20	11528	8276	11925	8516	12680	8446	13250	8618	13422	8828	14178	8687	14973	8531
	30	10875	7942	11250	8181	11963	8112	12500	8287	12663	8498	13375	8364	14125	8215
	40	9461	7240	9788	7476	10407	7411	10875	7592	11016	7807	11636	7687	12289	7555
	45	8918	6977	9225	7213	9809	7150	10250	7333	10383	7549	10968	7434	11583	7310

**2-8.Heating Capacity (In combination with PQRV-P200-250YMF-B)**

**PCFY-P-VGM-A**

SHC:Sensible heat Capacity(kcal/h)

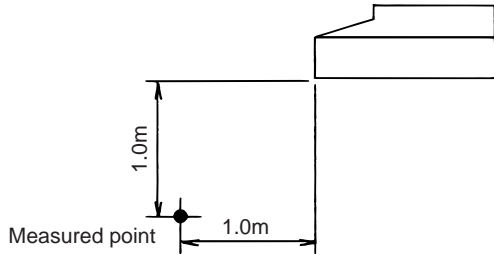
Unit size	Water temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°C	SHC	SHC	SHC	SHC
40	10	3902	3825	3098	2754
	20	4590	4500	3645	3240
	30	4590	4500	3645	3240
	40	4774	4680	3791	3370
	45	5233	5130	4155	3694
63	10	6156	6035	4888	4345
	20	7242	7100	5751	5112
	30	7242	7100	5751	5112
	40	7532	7384	5981	5316
	45	8256	8094	6556	5828

Unit size	Water temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°C	SHC	SHC	SHC	SHC
100	10	9710	9520	7711	6854
	20	11424	11200	9072	8064
	30	11424	11200	9072	8064
	40	11881	11648	9435	8387
	45	13023	12768	10342	9193
125	10	12138	11900	9639	8568
	20	14280	14000	11340	10080
	30	14280	14000	11340	10080
	40	14851	14560	11794	10483
	45	16279	15960	12928	11491

# 3. Sound levels

## 3-1. Noise level

Ceiling suspended

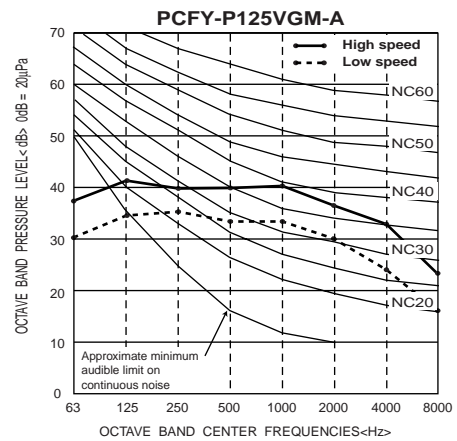
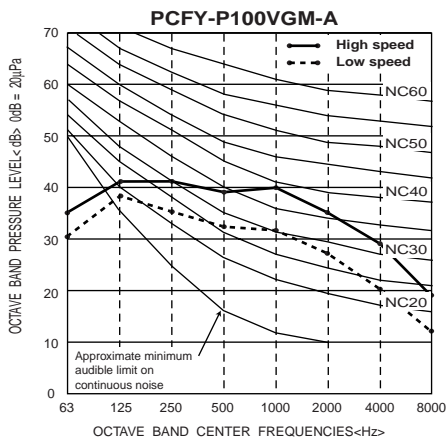
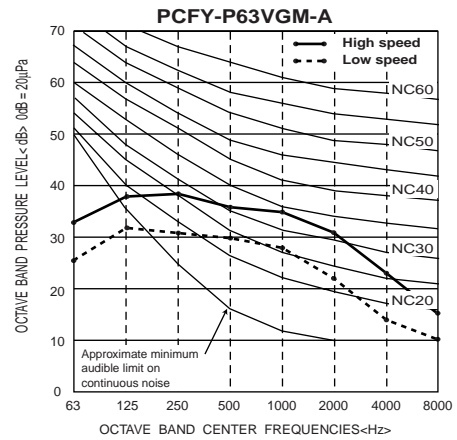
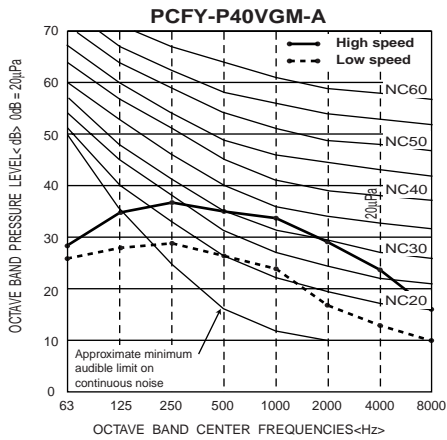


Noise level at anechoic room  
(Low-Middle2-Middle1-High)

Unit : dB(A)

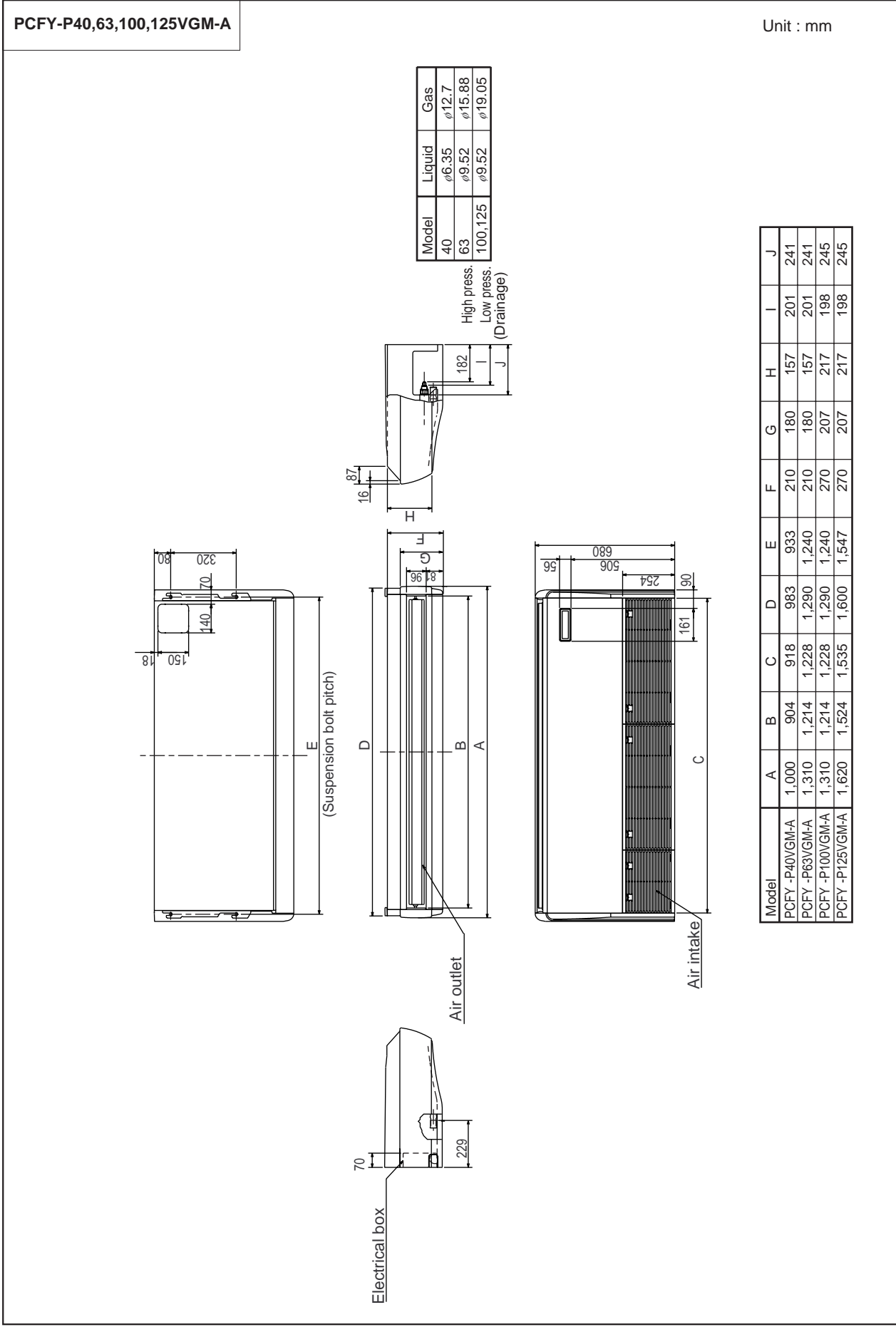
Model	Noise level (A weighted)
PCFY-P40VGM-A	29-33-36-38
PCFY-P63VGM-A	32-34-37-39
PCFY-P100VGM-A	36-38-41-43
PCFY-P125VGM-A	37-39-42-44

## 3-2. NC curves





# 4. External Dimension



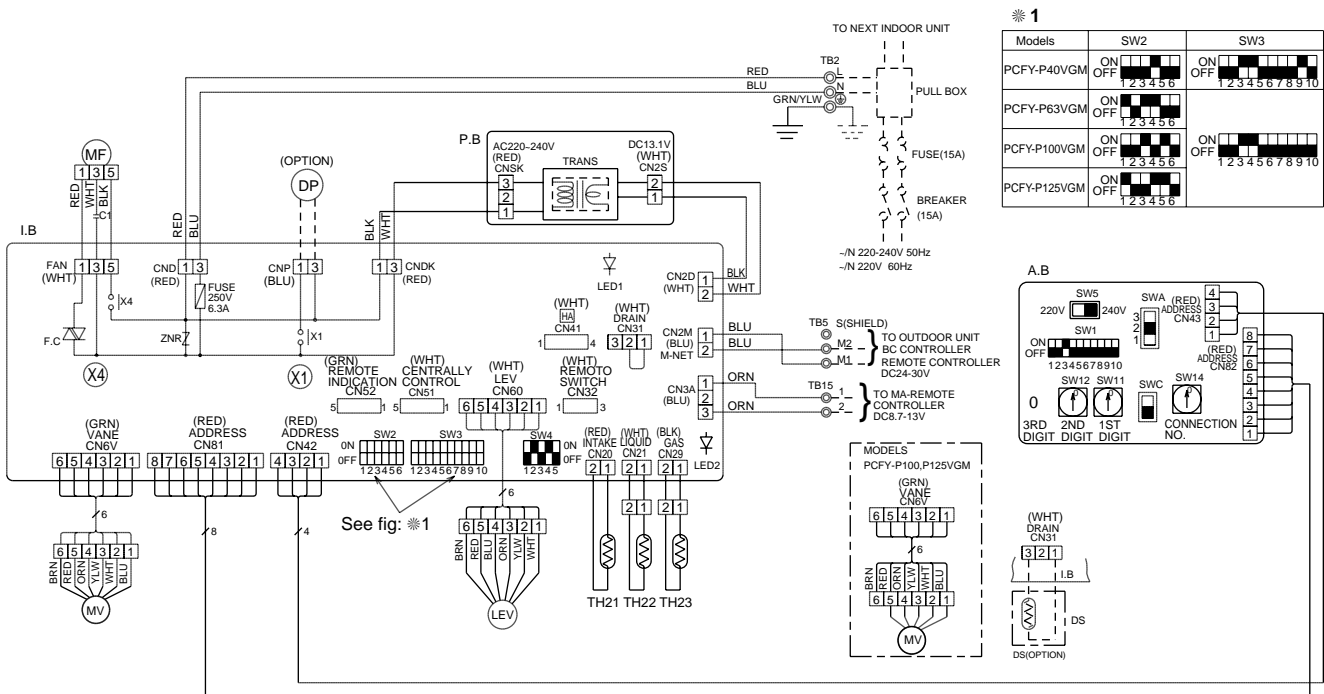
# 5. Electrical Wiring Diagram

## PCFY-P40VGM , PCFY-P63VGM , PCFY-P100VGM , PCFY-P125VGM

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	Remote switch	MF	Fan motor(with inner thermo)	SW5	Mode selection
CN52	Centrally control	MV	Vane motor	SW11	Voltage selection
CNP	Remote indication	TH21	Thermistor	SW12	Address setting 1st digit
F.C	Drain-up machine	TH22	Room temp. detection	SW14	Address setting 2nd digit
FUSE	Fan phase control	TH23	Pipe temp. detection / Liquid	SWA	Connection No.
SW2	Fuse (6.3A)	TH23	Pipe temp. detection / Gas	SWC	Ceiling heigh selector
SW3	Switch	TB2	Terminal	SWC	Option selector
SW4	Capacity code	TB5	block		
X1	Mode selection	TB15	Terminal		
X4	Model selection		Power supply		
X1	Aux.Relay		Transmission		
X4	Drain-up machine		MA-remote controller		
ZNR	Fan motor				
ZNR	Varistor				
P.B	Indoor power board	DP	Drain-up machine (OPTION)		
		DS	Drain sensor (OPTION)		

Led on indoor board for sevice

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



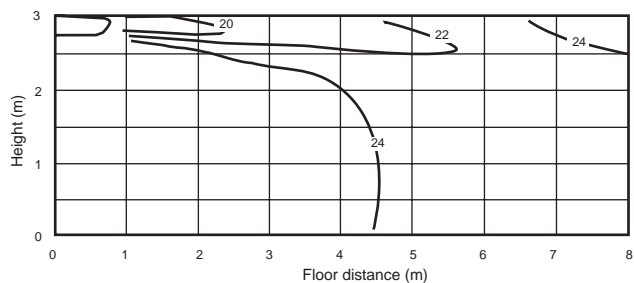
### Note

- 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.

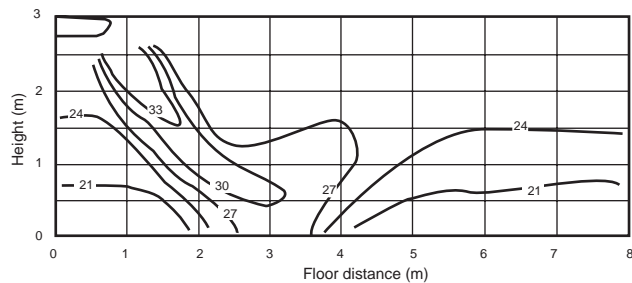
## 6. Temperature/Airflow distribution

### ● Temperature distribution

<Cooling mode>  
Flow angle : 0°

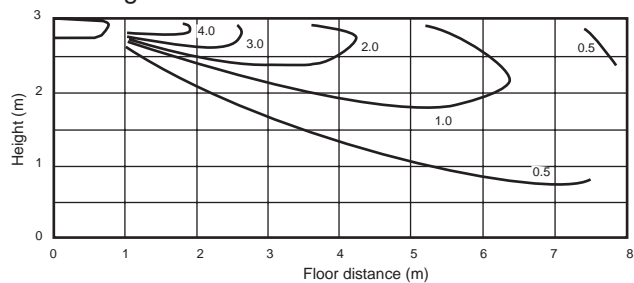


<Heating mode>  
Flow angle : 60°



### ● Airflow distribution

<Fan mode>  
Flow angle : 0°



<Fan mode>  
Flow angle : 60°

