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PDFY-P-VM-E

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

1. Specifications

			PDFY-P20VM-E	PDFY-P25VM-E	PDFY-P32VM-E	PDFY-P40VM-E	PDFY-P50VM-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 (50/60Hz)	Cooling	kW	0.11/0.12			0.13/0.15		
	Heating	kW	0.11/0.12			0.13/0.15		
Current	Cooling	A	0.53/0.58			0.60/0.71		
	Heating	A	0.53/0.58			0.60/0.71		
External finish			Galvanizing					
Dimension H x W x D	mm	295 x 710 x 735			295 x 960 x 735			
Net weight	kg	25.5		27	32	34		
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)					
Fan	Type	Sirocco fanX 1					Sirocco fanX 2	
	Airflow rate (Lo-Mid2-Mid1-Hi)	m³/min	6.0-6.5-7.5-8.5			10.0-11.0-12.5-14.0		
	External static pressure *3	Pa	30/50/100					
Motor	Type	Single phase induction motor						
	Output *4	kW	0.075(at 240V)					
Air filter *5	Synthetic fiber unwoven cloth filter(long life)							
Refrigerant pipe dimension	Gas (Flare)	mm	ø 12.7			ø 12.7 (R410A) ø 15.88 (R22,R407C)		
	Liquid (Flare)	mm	ø 6.35			ø 6.35 (R410A) ø 9.52 (R22,R407C)		
Drain pipe dimension			Outer diameter 32(VP-25)					
Noise level (Lo-Mid2-Mid1-Hi) *7	dB(A)	28-30-33-36			34-36-37-39			

			PDFY-P63VM-E	PDFY-P71VM-E	PDFY-P80VM-E	PDFY-P100VM-E	PDFY-P125VM-E
Power source			~ 220-240V 50Hz / ~ 220V 60Hz				
Cooling capacity	*1	kW	7.1	8.0	9.0	11.2	14.0
	*1	BTU/h	24,220	27,290	30,700	38,200	47,750
	*2	kW	7.3	8.3	9.3	11.6	14.5
	*2	kcal/h	6,300	7,100	8,000	10,000	12,500
Heating capacity	*1	kW	8.0	9.0	10.0	12.5	16.0
	*1	BTU/h	27,290	30,700	34,120	42,650	54,580
	*2	kW	8.3	9.3	10.5	13.0	16.3
	*2	kcal/h	7,100	8,000	9,000	11,200	14,000
Power consumption	Cooling	kW	0.14/0.17	0.15/0.18	0.17/0.21	0.27-0.31/0.29	0.33-0.38/0.39
	Heating	kW	0.14/0.17	0.15/0.18	0.17/0.21	0.27-0.31/0.29	0.33-0.38/0.39
Current	Cooling	A	0.68/0.82	0.72/0.88	0.82/1.01	1.28-1.34/1.36	1.55-1.63/1.84
	Heating	A	0.68/0.82	0.72/0.88	0.82/1.01	1.28-1.34/1.36	1.55-1.63/1.84
External finish			Galvanizing				
Dimension H x W x D	mm	295 x 1,160 x 735			335 x 1,510 x 775		
Net weight	kg	39			52		
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)				
Fan	Type	Sirocco fanX 2					
	Airflow rate (Lo-Mid2-Mid1-Hi)	m³/min	12.5-14.0-16.0-18.0	13.5-15.5-17.5-19.5	14.5-16.5-18.5-21.0	19.5-28.0 (Lo-Hi)	24.0-34.0 (Lo-Hi)
	External static pressure *3	Pa	30/50/100			50/100/130	
Motor	Type	Single phase induction motor					
	Output *4	kW	0.078(at 240V)		0.140(at 240V)	0.190(at 240V)	
Air filter	Synthetic fiber unwoven cloth filter(long life)						
Refrigerant pipe dimension	Gas (Flare)	mm	ø 15.88			ø 15.88 (R410A) ø 19.05 (R22,R407C)	
	Liquid (Flare)	mm	ø 9.52				
Drain pipe dimension			Outer diameter 32(VP-25)				
Noise level (Lo-Mid2-Mid1-Hi) *6	dB(A)	30-34-36-39	32-35-37-40	34-37-40-42	34-42(37-44)*5	40-45(42-46)*5	

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 The external static pressure is set to 50Pa at factory shipment.

*4 The value for Models 20-80 are that at the external static pressure of 100Pa, while the value for Models 100-125 are that at the external static pressure of 130Pa.

*5 The figure in () indicates noise level at 240V/50Hz.

*6 It is measured in anechoic room.

2. Capacity Tables

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

PDFY-P-VM-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										
20 (2.2)	20.0	2.0	1.7	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.8	1.9
	22.5	2.0	1.7	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.8	1.9
	25.0	2.0	1.7	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.7	1.9
	27.5	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.7	1.9
	30.0	1.9	1.7	2.0	1.8	2.2	1.8	2.3	1.8	2.3	1.9	2.5	1.9	2.6	1.8
	32.5	1.9	1.7	2.0	1.8	2.1	1.7	2.2	1.8	2.3	1.9	2.4	1.8	2.6	1.8
	35.0	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.2	1.8	2.4	1.8	2.5	1.8
	37.5	1.8	1.6	1.9	1.7	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.5	1.8
	40.0	1.8	1.6	1.9	1.7	2.0	1.7	2.1	1.7	2.1	1.8	2.3	1.8	2.4	1.8
43.0	1.8	1.6	1.8	1.7	2.0	1.7	2.0	1.7	2.0	1.8	2.2	1.8	2.4	1.7	
25 (2.8)	20.0	2.5	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	22.5	2.5	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	25.0	2.5	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	27.5	2.5	1.9	2.6	2.0	2.8	2.0	3.0	2.1	3.0	2.2	3.2	2.1	3.4	2.1
	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.1	2.1	3.3	2.1
	32.5	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	35.0	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.8	2.1	3.0	2.1	3.2	2.0
	37.5	2.4	1.9	2.5	2.0	2.6	1.9	2.7	2.0	2.8	2.1	3.0	2.0	3.1	2.0
	40.0	2.3	1.9	2.4	1.9	2.6	1.9	2.7	2.0	2.7	2.0	2.9	2.0	3.1	2.0
43.0	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.9	2.6	2.0	2.8	2.0	3.0	2.0	
32 (3.6)	20.0	3.2	2.4	3.4	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.6	2.6
	22.5	3.2	2.4	3.4	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.6	2.6
	25.0	3.2	2.4	3.4	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.6
	27.5	3.2	2.4	3.4	2.5	3.6	2.5	3.8	2.5	3.9	2.6	4.1	2.6	4.4	2.5
	30.0	3.2	2.3	3.3	2.4	3.6	2.4	3.7	2.5	3.8	2.6	4.0	2.5	4.3	2.5
	32.5	3.1	2.3	3.3	2.4	3.5	2.4	3.7	2.4	3.7	2.5	4.0	2.5	4.2	2.5
	35.0	3.1	2.3	3.2	2.4	3.4	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.1	2.4
	37.5	3.0	2.3	3.2	2.4	3.3	2.3	3.5	2.4	3.6	2.5	3.8	2.4	4.0	2.4
	40.0	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.4	3.5	2.4	3.7	2.4	4.0	2.4
43.0	2.9	2.2	3.0	2.3	3.2	2.3	3.3	2.3	3.3	2.4	3.6	2.4	3.9	2.3	
40 (4.5)	20.0	4.0	3.1	4.3	3.2	4.6	3.2	4.9	3.3	5.0	3.4	5.3	3.4	5.7	3.4
	22.5	4.0	3.1	4.3	3.2	4.6	3.2	4.9	3.3	5.0	3.4	5.3	3.4	5.7	3.4
	25.0	4.0	3.1	4.3	3.2	4.6	3.2	4.9	3.3	5.0	3.4	5.3	3.4	5.6	3.3
	27.5	4.0	3.1	4.3	3.2	4.5	3.2	4.8	3.3	4.8	3.4	5.2	3.3	5.5	3.3
	30.0	4.0	3.0	4.2	3.2	4.5	3.2	4.7	3.2	4.8	3.3	5.0	3.3	5.4	3.3
	32.5	3.9	3.0	4.1	3.1	4.4	3.1	4.6	3.2	4.7	3.3	5.0	3.3	5.3	3.2
	35.0	3.8	3.0	4.0	3.1	4.3	3.1	4.5	3.2	4.6	3.3	4.9	3.2	5.2	3.2
	37.5	3.8	3.0	4.0	3.1	4.2	3.0	4.4	3.1	4.5	3.2	4.8	3.2	5.0	3.1
	40.0	3.7	2.9	3.9	3.0	4.1	3.0	4.3	3.1	4.4	3.2	4.7	3.2	5.0	3.1
43.0	3.6	2.9	3.8	3.0	4.0	3.0	4.2	3.0	4.2	3.1	4.5	3.1	4.8	3.1	
50 (5.6)	20.0	5.0	3.8	5.3	4.0	5.8	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.1	4.2
	22.5	5.0	3.8	5.3	4.0	5.8	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.1	4.2
	25.0	5.0	3.8	5.3	4.0	5.8	4.0	6.0	4.1	6.2	4.2	6.6	4.2	6.9	4.1
	27.5	5.0	3.8	5.3	4.0	5.7	3.9	5.9	4.0	6.0	4.2	6.4	4.1	6.8	4.1
	30.0	4.9	3.8	5.2	3.9	5.5	3.9	5.8	4.0	5.9	4.1	6.3	4.1	6.7	4.0
	32.5	4.8	3.7	5.1	3.9	5.4	3.8	5.7	3.9	5.8	4.1	6.2	4.0	6.6	4.0
	35.0	4.8	3.7	5.0	3.8	5.3	3.8	5.6	3.9	5.7	4.0	6.0	4.0	6.4	3.9
	37.5	4.7	3.6	4.9	3.8	5.2	3.7	5.5	3.8	5.5	4.0	5.9	3.9	6.3	3.9
	40.0	4.6	3.6	4.8	3.7	5.1	3.7	5.4	3.8	5.5	3.9	5.8	3.9	6.2	3.8
43.0	4.5	3.6	4.7	3.7	5.0	3.6	5.2	3.7	5.2	3.8	5.7	3.8	6.0	3.8	
63 (7.1)	20.0	6.4	4.8	6.8	5.0	7.3	5.0	7.7	5.1	7.8	5.3	8.4	5.2	9.0	5.2
	22.5	6.4	4.8	6.8	5.0	7.3	5.0	7.7	5.1	7.8	5.3	8.4	5.2	9.0	5.2
	25.0	6.4	4.8	6.8	5.0	7.3	5.0	7.7	5.1	7.8	5.3	8.3	5.2	8.8	5.1
	27.5	6.3	4.7	6.7	5.0	7.2	4.9	7.5	5.1	7.6	5.2	8.1	5.2	8.7	5.1
	30.0	6.2	4.7	6.6	4.9	7.0	4.9	7.4	5.0	7.5	5.2	8.0	5.1	8.5	5.0
	32.5	6.1	4.6	6.5	4.8	6.9	4.8	7.2	4.9	7.3	5.1	7.8	5.0	8.3	5.0
	35.0	6.0	4.6	6.4	4.8	6.7	4.8	7.1	4.9	7.2	5.0	7.7	5.0	8.1	4.9
	37.5	6.0	4.6	6.2	4.7	6.6	4.7	6.9	4.8	7.0	5.0	7.5	4.9	8.0	4.8
	40.0	5.9	4.5	6.1	4.7	6.5	4.6	6.8	4.8	6.9	4.9	7.3	4.8	7.8	4.8
43.0	5.8	4.5	6.0	4.6	6.3	4.6	6.6	4.7	6.6	4.8	7.2	4.8	7.6	4.7	
71 (8.0)	20.0	7.2	5.4	7.6	5.7	8.2	5.7	8.6	5.8	8.8	6.0	9.4	5.9	10.1	5.9
	22.5	7.2	5.4	7.6	5.7	8.2	5.7	8.6	5.8	8.8	6.0	9.4	5.9	10.1	5.9
	25.0	7.2	5.4	7.6	5.7	8.2	5.7	8.6	5.8	8.8	6.0	9.4	5.9	9.9	5.8
	27.5	7.1	5.4	7.6	5.6	8.1	5.6	8.5	5.7	8.6	5.9	9.2	5.8	9.8	5.8
	30.0	7.0	5.3	7.4	5.6	7.9	5.5	8.3	5.7	8.5	5.8	9.0	5.7	9.6	5.7
	32.5	6.9	5.2	7.3	5.5	7.8	5.4	8.1	5.6	8.3	5.8	8.8	5.7	9.4	5.6
	35.0	6.8	5.2	7.2	5.4	7.6	5.4	8.0	5.5	8.1	5.7	8.6	5.6	9.2	5.5
	37.5	6.7	5.2	7.0	5.4	7.4	5.3	7.8	5.4	7.9	5.6	8.5	5.6	9.0	5.5
	40.0	6.6	5.1	6.9	5.3	7.3	5.2	7.7	5.4	7.8	5.6	8.3	5.5	8.8	5.4
43.0	6.5	5.0	6.7	5.2	7.1	5.2	7.4	5.3	7.4	5.4	8.1	5.4	8.6	5.3	

PDFY-P-VM-E

Cooling capacity in combination with PUHY,PUY,PURY-P200,250

PDFY-P-VM-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										
80 (9.0)	20.0	8.1	5.9	8.6	6.2	9.3	6.2	9.7	6.3	9.9	6.5	10.6	6.5	11.4	6.4
	22.5	8.1	5.9	8.6	6.2	9.3	6.2	9.7	6.3	9.9	6.5	10.6	6.5	11.4	6.4
	25.0	8.1	5.9	8.6	6.2	9.3	6.2	9.7	6.3	9.9	6.5	10.5	6.4	11.2	6.3
	27.5	8.0	5.8	8.5	6.1	9.1	6.1	9.5	6.2	9.7	6.4	10.3	6.3	11.0	6.3
	30.0	7.9	5.8	8.4	6.1	8.9	6.0	9.4	6.2	9.5	6.3	10.1	6.2	10.8	6.2
	32.5	7.7	5.7	8.2	6.0	8.7	5.9	9.1	6.1	9.3	6.3	9.9	6.2	10.5	6.1
	35.0	7.7	5.7	8.1	5.9	8.6	5.9	9.0	6.0	9.1	6.2	9.7	6.1	10.3	6.0
	37.5	7.6	5.6	7.9	5.8	8.4	5.8	8.8	5.9	8.9	6.1	9.5	6.0	10.1	5.9
	40.0	7.4	5.6	7.7	5.8	8.2	5.7	8.6	5.9	8.8	6.0	9.3	5.9	9.9	5.9
43.0	7.3	5.5	7.6	5.7	8.0	5.6	8.4	5.7	8.4	5.9	9.1	5.9	9.6	5.8	
100 (11.2)	20.0	10.0	7.4	10.7	7.8	11.5	7.8	12.1	8.0	12.4	8.2	13.2	8.1	14.2	8.1
	22.5	10.0	7.4	10.7	7.8	11.5	7.8	12.1	8.0	12.4	8.2	13.2	8.1	14.2	8.1
	25.0	10.0	7.4	10.7	7.8	11.5	7.8	12.1	8.0	12.3	8.2	13.1	8.1	13.9	8.0
	27.5	10.0	7.3	10.6	7.7	11.3	7.7	11.9	7.9	12.0	8.1	12.8	8.0	13.7	7.9
	30.0	9.9	7.3	10.4	7.6	11.1	7.6	11.6	7.8	11.9	8.0	12.5	7.9	13.4	7.8
	32.5	9.6	7.2	10.2	7.5	10.9	7.5	11.4	7.6	11.6	7.9	12.3	7.8	13.1	7.7
	35.0	9.5	7.1	10.0	7.4	10.6	7.4	11.2	7.6	11.4	7.8	12.1	7.7	12.8	7.6
	37.5	9.4	7.1	9.9	7.4	10.4	7.3	10.9	7.4	11.1	7.7	11.9	7.6	12.5	7.5
	40.0	9.2	7.0	9.6	7.2	10.2	7.2	10.8	7.4	10.9	7.6	11.6	7.5	12.3	7.4
43.0	9.1	6.9	9.4	7.1	10.0	7.1	10.4	7.2	10.4	7.4	11.3	7.4	12.0	7.3	
125 (14.0)	20.0	12.5	9.4	13.4	9.8	14.4	9.9	15.1	10.1	15.5	10.4	16.5	10.3	17.7	10.2
	22.5	12.5	9.4	13.4	9.8	14.4	9.9	15.1	10.1	15.5	10.4	16.5	10.3	17.7	10.2
	25.0	12.5	9.4	13.4	9.8	14.4	9.9	15.1	10.1	15.4	10.4	16.4	10.3	17.4	10.1
	27.5	12.5	9.3	13.2	9.8	14.1	9.7	14.8	10.0	15.1	10.2	16.0	10.1	17.1	10.0
	30.0	12.3	9.3	13.0	9.7	13.9	9.6	14.6	9.9	14.8	10.2	15.7	10.0	16.7	9.9
	32.5	12.0	9.1	12.7	9.5	13.6	9.5	14.2	9.7	14.5	10.0	15.4	9.9	16.4	9.8
	35.0	11.9	9.0	12.5	9.4	13.3	9.3	14.0	9.6	14.2	9.9	15.1	9.8	16.0	9.6
	37.5	11.8	9.0	12.3	9.3	13.0	9.2	13.7	9.5	13.9	9.7	14.8	9.7	15.7	9.5
	40.0	11.6	8.9	12.0	9.2	12.8	9.1	13.4	9.4	13.7	9.7	14.5	9.5	15.4	9.4
43.0	11.3	8.8	11.8	9.1	12.5	9.0	13.0	9.2	13.0	9.4	14.1	9.4	15.0	9.3	

PDFY-P-VM-E

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

PDFY-P-VM-E

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	
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	
71 (8.0)	-20.0	4.6	4.5	4.5	4.5
	-15.0	5.6	5.5	5.4	5.3
	-10.0	6.6	6.5	6.3	6.2
	-5.0	7.6	7.5	7.2	6.3
	0.0	8.5	8.5	7.2	6.3
	2.5	9.0	8.9	7.2	6.3
	6.0	9.4	9.0	7.2	6.3
	7.5	9.7	9.0	7.2	6.3
	10.0	10.3	9.0	7.2	6.3
	12.5	10.8	9.0	7.2	6.3
15.5	11.5	9.0	7.2	6.3	

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
80 (9.0)	-20.0	5.2	5.0	5.0	5.0
	-15.0	6.2	6.1	6.0	5.9
	-10.0	7.3	7.2	7.0	6.9
	-5.0	8.4	8.3	8.0	7.0
	0.0	9.5	9.4	8.0	7.0
	2.5	10.0	9.9	8.0	7.0
	6.0	10.4	10.0	8.0	7.0
	7.5	10.8	10.0	8.0	7.0
	10.0	11.4	10.0	8.0	7.0
	12.5	12.1	10.0	8.0	7.0
15.5	12.8	10.0	8.0	7.0	
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	

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

PDFY-P-VM-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										
20 (2.2)	20.0	2.1	1.8	2.2	1.8	2.4	1.8	2.5	1.9	2.5	2.0	2.7	1.9	2.9	1.9
	22.5	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.9	2.8	1.9
	25.0	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.8	1.9
	27.5	2.1	1.7	2.1	1.8	2.3	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.7	1.9
	30.0	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.8
	32.5	2.0	1.7	2.0	1.8	2.2	1.8	2.2	1.8	2.3	1.9	2.4	1.8	2.6	1.8
	35.0	2.0	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.9	2.4	1.8	2.5	1.8
	37.5	1.9	1.7	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.5	1.8
	40.0	1.9	1.7	1.9	1.7	2.0	1.7	2.1	1.7	2.4	1.9	2.3	1.8	2.4	1.8
43.0	1.8	1.6	1.8	1.7	2.0	1.7	2.0	1.7	2.1	1.8	2.2	1.8	2.4	1.8	
25 (2.8)	20.0	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.6	2.2
	22.5	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.1	3.2	2.2	3.4	2.2	3.6	2.2
	25.0	2.7	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	27.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.2	2.1	3.4	2.1
	30.0	2.6	2.0	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.1
	32.5	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	35.0	2.5	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.2	2.0
	37.5	2.5	1.9	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.0
	40.0	2.4	1.9	2.4	1.9	2.6	1.9	2.7	2.0	3.0	2.2	2.9	2.0	3.1	2.0
43.0	2.4	1.9	2.4	1.9	2.5	1.9	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	
32 (3.6)	20.0	3.5	2.5	3.6	2.6	3.9	2.6	4.0	2.6	4.2	2.7	4.4	2.7	4.7	2.6
	22.5	3.5	2.5	3.6	2.6	3.8	2.6	4.0	2.6	4.1	2.7	4.3	2.6	4.6	2.6
	25.0	3.4	2.5	3.5	2.5	3.8	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.6
	27.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.2	2.6	4.4	2.5
	30.0	3.3	2.4	3.4	2.5	3.6	2.5	3.7	2.5	3.9	2.6	4.1	2.5	4.3	2.5
	32.5	3.3	2.4	3.3	2.4	3.5	2.4	3.7	2.5	3.8	2.5	4.0	2.5	4.2	2.5
	35.0	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.2	2.4
	37.5	3.2	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.6	2.5	3.9	2.4	4.1	2.4
	40.0	3.1	2.3	3.1	2.3	3.3	2.3	3.4	2.4	3.9	2.6	3.8	2.4	4.0	2.4
43.0	3.0	2.3	3.0	2.3	3.2	2.3	3.3	2.3	3.4	2.4	3.7	2.4	3.9	2.3	
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	3.2	4.6	3.2	4.7	3.3	5.0	3.3	5.3	3.2
	35.0	4.0	3.1	4.1	3.1	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	4.0	5.6	4.1	6.0	4.1	6.3	4.2	6.5	4.4	6.9	4.3	7.3	4.2
	22.5	5.4	4.0	5.6	4.1	6.0	4.1	6.2	4.1	6.4	4.3	6.7	4.2	7.1	4.2
	25.0	5.3	4.0	5.5	4.1	5.9	4.0	6.0	4.1	6.2	4.3	6.6	4.2	7.0	4.1
	27.5	5.2	3.9	5.4	4.0	5.7	4.0	5.9	4.0	6.1	4.2	6.5	4.1	6.9	4.1
	30.0	5.2	3.9	5.3	4.0	5.6	3.9	5.8	4.0	6.0	4.2	6.4	4.1	6.7	4.0
	32.5	5.1	3.8	5.2	3.9	5.5	3.9	5.7	4.0	5.9	4.1	6.2	4.0	6.6	4.0
	35.0	5.0	3.8	5.1	3.9	5.4	3.8	5.6	3.9	5.8	4.1	6.1	4.0	6.5	3.9
	37.5	4.9	3.8	5.0	3.8	5.3	3.8	5.5	3.8	5.7	4.0	6.0	4.0	6.3	3.9
	40.0	4.8	3.7	4.8	3.8	5.2	3.7	5.3	3.8	6.1	4.2	5.9	3.9	6.2	3.8
43.0	4.7	3.6	4.7	3.7	5.0	3.7	5.2	3.7	5.3	3.9	5.7	3.8	6.0	3.8	
63 (7.1)	20.0	6.9	5.0	7.1	5.2	7.7	5.2	8.0	5.3	8.2	5.5	8.7	5.4	9.2	5.3
	22.5	6.9	5.0	7.1	5.2	7.6	5.1	7.8	5.2	8.1	5.4	8.5	5.3	9.1	5.2
	25.0	6.8	5.0	7.0	5.1	7.4	5.1	7.7	5.1	7.9	5.3	8.4	5.2	8.9	5.2
	27.5	6.6	4.9	6.8	5.0	7.3	5.0	7.5	5.1	7.8	5.3	8.2	5.2	8.7	5.1
	30.0	6.5	4.8	6.7	5.0	7.1	4.9	7.4	5.0	7.6	5.2	8.1	5.1	8.5	5.0
	32.5	6.4	4.8	6.6	4.9	7.0	4.9	7.2	4.9	7.5	5.1	7.9	5.1	8.4	5.0
	35.0	6.3	4.7	6.4	4.8	6.8	4.8	7.1	4.9	7.3	5.1	7.7	5.0	8.2	4.9
	37.5	6.2	4.7	6.3	4.8	6.7	4.7	6.9	4.8	7.2	5.0	7.6	4.9	8.0	4.9
	40.0	6.1	4.6	6.1	4.7	6.6	4.7	6.8	4.8	7.7	5.2	7.4	4.9	7.8	4.8
43.0	6.0	4.6	6.0	4.6	6.4	4.6	6.6	4.7	6.8	4.9	7.2	4.8	7.6	4.7	
71 (8.0)	20.0	7.8	5.7	8.0	5.9	8.6	5.8	9.0	5.9	9.2	6.2	9.8	6.1	10.4	6.0
	22.5	7.7	5.7	8.0	5.8	8.5	5.8	8.8	5.9	9.1	6.1	9.6	6.0	10.2	5.9
	25.0	7.6	5.6	7.8	5.8	8.4	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.0	5.8
	27.5	7.5	5.5	7.7	5.7	8.2	5.6	8.5	5.7	8.7	5.9	9.3	5.9	9.8	5.8
	30.0	7.4	5.5	7.5	5.6	8.0	5.6	8.3	5.7	8.6	5.9	9.1	5.8	9.6	5.7
	32.5	7.2	5.4	7.4	5.5	7.9	5.5	8.2	5.6	8.4	5.8	8.9	5.7	9.4	5.6
	35.0	7.1	5.4	7.2	5.5	7.7	5.4	8.0	5.5	8.2	5.7	8.7	5.7	9.2	5.6
	37.5	7.0	5.3	7.1	5.4	7.6	5.4	7.8	5.4	8.1	5.7	8.6	5.6	9.1	5.5
	40.0	6.9	5.3	6.9	5.3	7.4	5.3	7.6	5.4	8.7	5.9	8.4	5.5	8.8	5.4
43.0	6.7	5.2	6.7	5.2	7.2	5.2	7.4	5.3	7.6	5.5	8.1	5.4	8.6	5.3	

PDFY-P-VM-E

Cooling capacity in combination with PUHY,PUY,PURY-P300,350,400

PDFY-P-VM-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										
80 (9.0)	20.0	8.7	6.2	9.0	6.4	9.7	6.4	10.1	6.5	10.4	6.7	11.0	6.6	11.7	6.5
	22.5	8.7	6.2	9.0	6.4	9.6	6.3	9.9	6.4	10.2	6.6	10.8	6.5	11.5	6.4
	25.0	8.6	6.1	8.8	6.3	9.4	6.2	9.7	6.3	10.0	6.6	10.6	6.5	11.3	6.4
	27.5	8.4	6.1	8.6	6.2	9.2	6.2	9.5	6.2	9.8	6.5	10.4	6.4	11.0	6.3
	30.0	8.3	6.0	8.5	6.1	9.0	6.1	9.4	6.2	9.6	6.4	10.3	6.3	10.8	6.2
	32.5	8.1	5.9	8.3	6.0	8.9	6.0	9.2	6.1	9.5	6.3	10.0	6.2	10.6	6.1
	35.0	8.0	5.8	8.1	6.0	8.6	5.9	9.0	6.0	9.3	6.2	9.8	6.1	10.4	6.0
	37.5	7.9	5.8	8.0	5.9	8.5	5.8	8.8	5.9	9.1	6.2	9.6	6.1	10.2	6.0
	40.0	7.8	5.7	7.8	5.8	8.3	5.7	8.6	5.8	9.8	6.4	9.4	6.0	9.9	5.9
43.0	7.6	5.6	7.6	5.7	8.1	5.6	8.4	5.7	8.6	5.9	9.1	5.9	9.7	5.8	
100 (11.2)	20.0	10.9	7.8	11.3	8.0	12.1	8.0	12.5	8.2	12.9	8.5	13.7	8.3	14.6	8.2
	22.5	10.8	7.8	11.2	8.0	11.9	8.0	12.3	8.1	12.7	8.4	13.5	8.2	14.3	8.1
	25.0	10.7	7.7	11.0	7.9	11.7	7.8	12.1	8.0	12.5	8.2	13.2	8.1	14.0	8.0
	27.5	10.5	7.6	10.8	7.8	11.5	7.7	11.9	7.9	12.2	8.1	13.0	8.0	13.7	7.9
	30.0	10.3	7.5	10.5	7.7	11.3	7.6	11.6	7.8	12.0	8.0	12.8	8.0	13.4	7.8
	32.5	10.1	7.4	10.4	7.6	11.0	7.5	11.4	7.7	11.8	7.9	12.4	7.8	13.2	7.7
	35.0	10.0	7.3	10.1	7.5	10.8	7.4	11.2	7.6	11.5	7.8	12.2	7.7	12.9	7.6
	37.5	9.9	7.3	9.9	7.4	10.6	7.3	10.9	7.4	11.3	7.7	12.0	7.6	12.7	7.5
	40.0	9.7	7.2	9.7	7.3	10.4	7.2	10.7	7.3	12.2	8.1	11.7	7.5	12.4	7.4
43.0	9.4	7.1	9.4	7.1	10.1	7.1	10.4	7.2	10.7	7.5	11.4	7.4	12.0	7.3	
125 (14.0)	20.0	13.6	9.9	14.1	10.2	15.1	10.2	15.7	10.3	16.2	10.7	17.2	10.6	18.2	10.4
	22.5	13.5	9.8	14.0	10.2	14.9	10.1	15.4	10.2	15.9	10.6	16.8	10.5	17.9	10.3
	25.0	13.4	9.8	13.7	10.0	14.6	9.9	15.1	10.1	15.6	10.5	16.5	10.3	17.5	10.2
	27.5	13.1	9.6	13.4	9.9	14.4	9.8	14.8	10.0	15.3	10.3	16.2	10.2	17.2	10.0
	30.0	12.9	9.5	13.2	9.7	14.1	9.7	14.6	9.9	15.0	10.2	16.0	10.1	16.8	9.9
	32.5	12.7	9.4	13.0	9.6	13.8	9.6	14.3	9.7	14.7	10.1	15.5	9.9	16.5	9.8
	35.0	12.5	9.3	12.7	9.5	13.4	9.4	14.0	9.6	14.4	10.0	15.3	9.8	16.2	9.7
	37.5	12.3	9.3	12.4	9.4	13.2	9.3	13.7	9.5	14.1	9.9	15.0	9.7	15.8	9.6
	40.0	12.1	9.1	12.1	9.2	13.0	9.2	13.4	9.3	15.2	10.3	14.6	9.6	15.5	9.4
43.0	11.8	9.0	11.8	9.1	12.6	9.0	13.0	9.2	13.4	9.5	14.2	9.4	15.1	9.3	

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

PDFY-P-VM-E

Unit size (Rated kW)	Outdoor air temp. °CWB	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		SHC	SHC	SHC	SHC
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	
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	
71 (8.0)	-20.0	4.7	4.5	4.5	4.3
	-15.0	5.4	5.4	5.4	5.2
	-10.0	6.3	6.3	6.2	5.8
	-5.0	7.2	7.2	6.8	5.8
	0.0	8.1	8.1	6.8	5.8
	2.5	8.6	8.5	6.8	5.8
	6.0	9.2	9.0	6.8	5.8
	7.5	9.5	9.0	6.8	5.8
	10.0	9.9	9.0	6.8	5.8
	12.5	10.4	9.0	6.8	5.8
15.5	10.4	9.0	6.8	5.8	

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
		SHC	SHC	SHC	SHC
80 (9.0)	-20.0	5.2	5.0	5.0	4.8
	-15.0	6.0	6.0	6.0	5.8
	-10.0	7.0	7.0	6.9	6.4
	-5.0	8.0	8.0	7.5	6.4
	0.0	9.0	9.0	7.5	6.4
	2.5	9.6	9.5	7.5	6.4
	6.0	10.3	10.0	7.5	6.4
	7.5	10.6	10.0	7.5	6.4
	10.0	11.1	10.0	7.5	6.4
	12.5	11.5	10.0	7.5	6.4
15.5	11.5	10.0	7.5	6.4	
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	

PDFY-P-VM-E

2.3a. Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650

PDFY-P-VM-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										
20 (2.2)	20.0	2.1	1.8	2.1	1.8	2.3	1.8	2.4	1.8	2.5	1.9	2.6	1.9	2.8	1.9
	22.5	2.1	1.7	2.1	1.8	2.3	1.8	2.3	1.8	2.4	1.9	2.6	1.9	2.7	1.9
	25.0	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.6	1.9	2.7	1.9
	27.5	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.8
	30.0	2.0	1.7	2.0	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.7	1.8
	32.5	2.0	1.7	2.0	1.8	2.2	1.8	2.2	1.8	2.3	1.9	2.5	1.9	2.6	1.8
	35.0	2.0	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.9	2.5	1.9	2.6	1.8
	37.5	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.9	2.4	1.8	2.6	1.8
	40.0	1.9	1.7	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.6	1.8
43.0	1.9	1.7	1.9	1.7	2.1	1.7	2.1	1.7	2.2	1.8	2.4	1.8	2.6	1.8	
25 (2.8)	20.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	22.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	25.0	2.6	2.0	2.7	2.1	2.9	2.0	2.9	2.1	3.1	2.2	3.2	2.1	3.5	2.1
	27.5	2.6	2.0	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.2	3.2	2.1	3.4	2.1
	30.0	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.1
	32.5	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.0	3.0	2.1	3.2	2.1	3.4	2.1
	35.0	2.5	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	37.5	2.5	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	40.0	2.4	1.9	2.5	2.0	2.7	2.0	2.7	2.0	2.9	2.1	3.1	2.1	3.3	2.1
43.0	2.4	1.9	2.5	2.0	2.6	1.9	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.0	
32 (3.6)	20.0	3.4	2.5	3.5	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.6
	22.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.5	4.0	2.6	4.2	2.6	4.5	2.6
	25.0	3.3	2.4	3.4	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.2	2.6	4.4	2.5
	27.5	3.3	2.4	3.4	2.5	3.6	2.5	3.7	2.5	3.9	2.6	4.1	2.6	4.3	2.5
	30.0	3.3	2.4	3.3	2.4	3.6	2.4	3.7	2.5	3.9	2.6	4.1	2.5	4.4	2.5
	32.5	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.4	3.8	2.6	4.1	2.5	4.3	2.5
	35.0	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	4.0	2.5	4.3	2.5
	37.5	3.2	2.3	3.2	2.4	3.5	2.4	3.5	2.4	3.7	2.5	4.0	2.5	4.2	2.5
	40.0	3.1	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.7	2.5	4.0	2.5	4.2	2.5
43.0	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.4	3.6	2.5	3.9	2.5	4.2	2.4	
40 (4.5)	20.0	4.3	3.2	4.4	3.3	4.7	3.3	4.8	3.3	5.0	3.5	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	3.4	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	3.3
	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	3.9	5.5	4.0	5.8	4.0	6.0	4.1	6.2	4.3	6.6	4.2	7.1	4.1
	22.5	5.3	3.9	5.4	4.0	5.8	4.0	5.9	4.0	6.2	4.2	6.6	4.2	7.0	4.1
	25.0	5.2	3.9	5.3	4.0	5.7	4.0	5.9	4.0	6.1	4.2	6.5	4.1	6.9	4.1
	27.5	5.2	3.9	5.3	4.0	5.7	3.9	5.8	4.0	6.0	4.2	6.4	4.1	6.7	4.0
	30.0	5.1	3.8	5.2	3.9	5.6	3.9	5.8	4.0	6.0	4.2	6.4	4.1	6.8	4.0
	32.5	5.0	3.8	5.2	3.9	5.5	3.9	5.7	3.9	5.9	4.1	6.3	4.1	6.7	4.0
	35.0	5.0	3.8	5.1	3.9	5.5	3.9	5.6	3.9	5.8	4.1	6.3	4.1	6.7	4.0
	37.5	4.9	3.8	5.0	3.8	5.4	3.8	5.5	3.9	5.8	4.1	6.2	4.0	6.6	4.0
	40.0	4.8	3.7	5.0	3.8	5.3	3.8	5.4	3.8	5.7	4.0	6.2	4.0	6.6	4.0
43.0	4.8	3.7	4.9	3.8	5.3	3.8	5.4	3.8	5.7	4.0	6.0	4.0	6.5	3.9	
63 (7.1)	20.0	6.7	4.9	6.9	5.1	7.4	5.0	7.6	5.1	7.9	5.3	8.4	5.2	8.9	5.2
	22.5	6.7	4.9	6.9	5.0	7.3	5.0	7.5	5.1	7.8	5.3	8.3	5.2	8.8	5.2
	25.0	6.6	4.9	6.8	5.0	7.2	5.0	7.5	5.0	7.7	5.3	8.2	5.2	8.8	5.1
	27.5	6.5	4.8	6.7	5.0	7.2	4.9	7.4	5.0	7.7	5.2	8.2	5.2	8.5	5.0
	30.0	6.5	4.8	6.6	4.9	7.1	4.9	7.3	5.0	7.6	5.2	8.1	5.1	8.6	5.1
	32.5	6.4	4.8	6.5	4.9	7.0	4.8	7.2	4.9	7.5	5.2	8.0	5.1	8.5	5.0
	35.0	6.3	4.7	6.4	4.8	6.9	4.8	7.1	4.9	7.4	5.1	8.0	5.1	8.4	5.0
	37.5	6.2	4.7	6.4	4.8	6.8	4.8	7.0	4.8	7.3	5.1	7.8	5.0	8.4	5.0
	40.0	6.1	4.6	6.3	4.8	6.8	4.8	6.9	4.8	7.2	5.0	7.8	5.0	8.3	5.0
43.0	6.1	4.6	6.2	4.7	6.7	4.7	6.8	4.8	7.2	5.0	7.7	5.0	8.2	4.9	
71 (8.0)	20.0	7.6	5.6	7.8	5.7	8.3	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.1	5.9
	22.5	7.5	5.6	7.7	5.7	8.2	5.7	8.5	5.7	8.8	6.0	9.4	5.9	10.0	5.8
	25.0	7.4	5.5	7.6	5.7	8.2	5.6	8.4	5.7	8.7	5.9	9.3	5.9	9.9	5.8
	27.5	7.4	5.5	7.5	5.6	8.1	5.6	8.3	5.7	8.6	5.9	9.2	5.8	9.6	5.7
	30.0	7.3	5.4	7.4	5.6	8.0	5.6	8.2	5.6	8.6	5.9	9.1	5.8	9.7	5.7
	32.5	7.2	5.4	7.4	5.5	7.8	5.5	8.1	5.6	8.5	5.8	9.0	5.8	9.6	5.7
	35.0	7.1	5.4	7.2	5.5	7.8	5.5	8.0	5.5	8.3	5.8	9.0	5.7	9.5	5.7
	37.5	7.0	5.3	7.2	5.4	7.7	5.4	7.9	5.5	8.3	5.8	8.8	5.7	9.4	5.6
	40.0	6.9	5.3	7.1	5.4	7.6	5.4	7.8	5.4	8.2	5.7	8.8	5.7	9.4	5.6
43.0	6.9	5.2	7.0	5.3	7.5	5.3	7.7	5.4	8.1	5.7	8.6	5.6	9.3	5.6	

PDFY-P-VM-E

Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650

PDFY-P-VM-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										
80 (9.0)	20.0	8.5	6.1	8.8	6.3	9.4	6.2	9.6	6.3	10.0	6.6	10.6	6.5	11.3	6.4
	22.5	8.5	6.1	8.7	6.2	9.3	6.2	9.5	6.2	9.9	6.5	10.6	6.4	11.2	6.3
	25.0	8.4	6.0	8.6	6.2	9.2	6.1	9.5	6.2	9.8	6.5	10.4	6.4	11.1	6.3
	27.5	8.3	6.0	8.5	6.1	9.1	6.1	9.4	6.2	9.7	6.4	10.4	6.4	10.8	6.2
	30.0	8.2	5.9	8.4	6.1	9.0	6.1	9.3	6.1	9.6	6.4	10.3	6.3	10.9	6.2
	32.5	8.1	5.9	8.3	6.0	8.8	6.0	9.1	6.0	9.5	6.3	10.2	6.3	10.8	6.2
	35.0	8.0	5.8	8.1	6.0	8.8	6.0	9.0	6.0	9.4	6.3	10.1	6.2	10.7	6.2
	37.5	7.9	5.8	8.1	5.9	8.6	5.9	8.9	6.0	9.3	6.3	9.9	6.2	10.6	6.1
	40.0	7.8	5.7	8.0	5.9	8.6	5.9	8.7	5.9	9.2	6.2	9.9	6.2	10.5	6.1
43.0	7.7	5.7	7.9	5.8	8.5	5.8	8.6	5.9	9.1	6.2	9.7	6.1	10.4	6.1	
100 (11.2)	20.0	10.6	7.7	10.9	7.9	11.6	7.8	12.0	7.9	12.5	8.3	13.2	8.1	14.1	8.0
	22.5	10.5	7.6	10.8	7.8	11.5	7.8	11.9	7.9	12.3	8.2	13.2	8.1	13.9	8.0
	25.0	10.4	7.6	10.7	7.8	11.4	7.7	11.8	7.8	12.2	8.1	13.0	8.0	13.8	7.9
	27.5	10.3	7.5	10.5	7.7	11.3	7.7	11.6	7.8	12.1	8.1	12.9	8.0	13.4	7.8
	30.0	10.2	7.5	10.4	7.6	11.2	7.6	11.5	7.7	12.0	8.0	12.8	8.0	13.6	7.8
	32.5	10.1	7.4	10.3	7.6	11.0	7.5	11.3	7.6	11.9	8.0	12.7	7.9	13.4	7.8
	35.0	10.0	7.3	10.1	7.5	10.9	7.5	11.2	7.6	11.6	7.9	12.5	7.9	13.3	7.8
	37.5	9.9	7.3	10.0	7.4	10.8	7.4	11.0	7.5	11.6	7.9	12.4	7.8	13.2	7.7
	40.0	9.7	7.2	9.9	7.4	10.7	7.4	10.9	7.4	11.4	7.8	12.3	7.8	13.1	7.7
43.0	9.6	7.2	9.8	7.3	10.5	7.3	10.8	7.4	11.3	7.7	12.1	7.7	13.0	7.6	
125 (14.0)	20.0	13.2	9.7	13.7	10.0	14.6	9.9	15.0	10.0	15.6	10.5	16.5	10.3	17.6	10.2
	22.5	13.2	9.7	13.5	9.9	14.4	9.9	14.8	10.0	15.4	10.4	16.5	10.3	17.4	10.1
	25.0	13.0	9.6	13.4	9.8	14.3	9.8	14.7	9.9	15.3	10.3	16.2	10.2	17.3	10.1
	27.5	12.9	9.5	13.2	9.7	14.1	9.7	14.6	9.9	15.1	10.3	16.1	10.2	16.8	9.9
	30.0	12.7	9.5	13.0	9.7	14.0	9.7	14.4	9.8	15.0	10.2	16.0	10.1	16.9	10.0
	32.5	12.6	9.4	12.9	9.6	13.7	9.5	14.1	9.7	14.8	10.2	15.8	10.0	16.8	9.9
	35.0	12.5	9.3	12.7	9.5	13.7	9.5	14.0	9.6	14.6	10.0	15.7	10.0	16.7	9.9
	37.5	12.3	9.3	12.6	9.5	13.4	9.4	13.8	9.5	14.5	10.0	15.5	9.9	16.5	9.8
	40.0	12.1	9.1	12.4	9.4	13.4	9.4	13.6	9.4	14.3	9.9	15.4	9.9	16.4	9.8
43.0	12.0	9.1	12.3	9.3	13.2	9.3	13.4	9.4	14.1	9.9	15.1	9.8	16.2	9.7	

2.3b. Heating capacity in combination with PUHY,PURY-P450,500,550,600,650

PDFY-P-VM-E

Unit size (Rated kW)	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
	°CWB	SHC	SHC	SHC	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	1.7	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	
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	
71 (8.0)	-20.0	4.8	4.6	4.6	4.5
	-15.0	5.6	5.4	5.4	5.2
	-10.0	6.5	6.3	6.1	5.9
	-5.0	7.4	7.2	6.9	6.3
	0.0	8.3	8.1	7.2	6.3
	2.5	8.6	8.6	7.2	6.3
	6.0	9.3	9.0	7.2	6.3
	7.5	9.5	9.0	7.2	6.3
	10.0	10.0	9.0	7.2	6.3
	12.5	10.4	9.0	7.2	6.3
15.5	10.4	9.0	7.2	6.3	

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
80 (9.0)	-20.0	5.3	5.1	5.1	5.0
	-15.0	6.3	6.1	6.0	5.8
	-10.0	7.2	7.0	6.8	6.6
	-5.0	8.2	8.0	7.7	7.1
	0.0	9.2	9.0	8.0	7.1
	2.5	9.6	9.5	8.0	7.1
	6.0	10.3	10.0	8.0	7.1
	7.5	10.6	10.0	8.0	7.1
	10.0	11.1	10.0	8.0	7.1
	12.5	11.6	10.0	8.0	7.1
15.5	11.6	10.0	8.0	7.1	
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	

2.4a. Cooling capacity in combination with PUHY-P700,750,800

PDFY-P-VM-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										
20 (2.2)	20.0	2.1	1.8	2.2	1.8	2.4	1.8	2.4	1.9	2.5	2.0	2.7	1.9	2.9	1.9
	22.5	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.7	1.9	2.8	1.9
	25.0	2.1	1.7	2.1	1.8	2.3	1.8	2.4	1.8	2.4	1.9	2.6	1.9	2.8	1.9
	27.5	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.6	1.9	2.7	1.9
	30.0	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.7	1.9
	32.5	1.9	1.7	2.0	1.8	2.2	1.8	2.2	1.8	2.3	1.9	2.5	1.9	2.6	1.8
	35.0	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.9	2.4	1.8	2.6	1.8
	37.5	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.2	1.8	2.4	1.8	2.5	1.8
	40.0	1.8	1.6	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.5	1.8
43.0	1.8	1.6	1.8	1.7	2.0	1.7	2.1	1.7	2.1	1.8	2.3	1.8	2.4	1.8	
25 (2.8)	20.0	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.7	2.2
	22.5	2.7	2.0	2.8	2.1	3.0	2.1	3.1	2.1	3.2	2.2	3.4	2.2	3.6	2.2
	25.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	27.5	2.6	2.0	2.7	2.1	2.9	2.0	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.1
	30.0	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.1
	32.5	2.5	1.9	2.6	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	35.0	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.0	2.9	2.1	3.1	2.1	3.3	2.1
	37.5	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.0
	40.0	2.4	1.9	2.4	1.9	2.6	1.9	2.7	2.0	2.8	2.1	3.0	2.0	3.2	2.0
43.0	2.3	1.9	2.4	1.9	2.5	1.9	2.6	1.9	2.7	2.0	2.9	2.0	3.1	2.0	
32 (3.6)	20.0	3.5	2.5	3.6	2.6	3.9	2.6	4.0	2.6	4.1	2.7	4.4	2.7	4.7	2.6
	22.5	3.4	2.5	3.5	2.5	3.8	2.5	3.9	2.6	4.1	2.7	4.4	2.7	4.6	2.6
	25.0	3.4	2.4	3.5	2.5	3.7	2.5	3.9	2.5	4.0	2.6	4.2	2.6	4.5	2.6
	27.5	3.3	2.4	3.4	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.2	2.6	4.5	2.6
	30.0	3.2	2.4	3.4	2.5	3.6	2.4	3.7	2.5	3.9	2.6	4.1	2.5	4.4	2.5
	32.5	3.2	2.3	3.3	2.4	3.5	2.4	3.7	2.4	3.8	2.5	4.0	2.5	4.3	2.5
	35.0	3.1	2.3	3.2	2.4	3.5	2.4	3.6	2.4	3.7	2.5	4.0	2.5	4.2	2.5
	37.5	3.1	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.7	2.5	3.9	2.5	4.1	2.4
	40.0	3.0	2.3	3.1	2.3	3.3	2.3	3.5	2.4	3.6	2.5	3.8	2.4	4.1	2.4
43.0	3.0	2.2	3.0	2.3	3.2	2.3	3.4	2.3	3.5	2.4	3.7	2.4	4.0	2.4	
40 (4.5)	20.0	4.3	3.2	4.5	3.3	4.8	3.3	5.0	3.4	5.2	3.5	5.5	3.5	5.9	3.4
	22.5	4.3	3.2	4.4	3.3	4.7	3.3	4.9	3.3	5.1	3.5	5.4	3.5	5.8	3.4
	25.0	4.2	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
	27.5	4.1	3.1	4.3	3.2	4.6	3.2	4.7	3.3	4.9	3.4	5.2	3.4	5.6	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	5.5	3.3
	32.5	4.0	3.1	4.1	3.2	4.4	3.1	4.6	3.2	4.7	3.3	5.0	3.3	5.4	3.3
	35.0	3.9	3.0	4.1	3.1	4.3	3.1	4.5	3.2	4.6	3.3	5.0	3.3	5.3	3.2
	37.5	3.8	3.0	4.0	3.1	4.3	3.1	4.4	3.1	4.6	3.3	4.9	3.2	5.2	3.2
	40.0	3.8	3.0	3.9	3.0	4.2	3.0	4.3	3.1	4.5	3.2	4.8	3.2	5.1	3.1
43.0	3.7	2.9	3.8	3.0	4.1	3.0	4.2	3.1	4.4	3.2	4.7	3.2	5.0	3.1	
50 (5.6)	20.0	5.4	4.0	5.6	4.1	6.0	4.1	6.2	4.2	6.4	4.3	6.9	4.3	7.3	4.2
	22.5	5.3	3.9	5.5	4.1	5.9	4.1	6.1	4.1	6.3	4.3	6.8	4.3	7.2	4.2
	25.0	5.3	3.9	5.4	4.0	5.8	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.1	4.1
	27.5	5.2	3.9	5.3	4.0	5.7	4.0	5.9	4.0	6.1	4.2	6.5	4.2	6.9	4.1
	30.0	5.0	3.8	5.2	3.9	5.6	3.9	5.8	4.0	6.0	4.2	6.4	4.1	6.8	4.1
	32.5	5.0	3.8	5.1	3.9	5.5	3.9	5.7	3.9	5.9	4.1	6.3	4.1	6.7	4.0
	35.0	4.9	3.7	5.0	3.8	5.4	3.8	5.6	3.9	5.8	4.1	6.2	4.0	6.6	4.0
	37.5	4.8	3.7	5.0	3.8	5.3	3.8	5.5	3.9	5.7	4.0	6.0	4.0	6.4	3.9
	40.0	4.7	3.6	4.8	3.7	5.2	3.7	5.4	3.8	5.6	4.0	5.9	3.9	6.3	3.9
43.0	4.6	3.6	4.7	3.7	5.0	3.7	5.2	3.8	5.4	3.9	5.8	3.9	6.2	3.8	
63 (7.1)	20.0	6.9	5.0	7.1	5.2	7.6	5.2	7.9	5.2	8.2	5.4	8.7	5.4	9.3	5.3
	22.5	6.7	4.9	7.0	5.1	7.5	5.1	7.8	5.2	8.0	5.4	8.6	5.3	9.1	5.2
	25.0	6.7	4.9	6.9	5.1	7.4	5.0	7.6	5.1	7.9	5.3	8.4	5.2	8.9	5.2
	27.5	6.5	4.8	6.7	5.0	7.2	5.0	7.5	5.1	7.7	5.3	8.3	5.2	8.8	5.1
	30.0	6.4	4.8	6.6	4.9	7.1	4.9	7.3	5.0	7.6	5.2	8.1	5.1	8.7	5.1
	32.5	6.3	4.7	6.5	4.9	7.0	4.8	7.2	4.9	7.5	5.1	8.0	5.1	8.5	5.0
	35.0	6.2	4.7	6.4	4.8	6.8	4.8	7.1	4.9	7.3	5.1	7.8	5.0	8.3	5.0
	37.5	6.1	4.6	6.3	4.8	6.7	4.7	7.0	4.8	7.2	5.0	7.7	5.0	8.2	4.9
	40.0	6.0	4.6	6.1	4.7	6.6	4.7	6.8	4.8	7.1	5.0	7.5	4.9	8.0	4.8
43.0	5.8	4.5	6.0	4.6	6.4	4.6	6.6	4.7	6.9	4.9	7.3	4.8	7.8	4.8	
71 (8.0)	20.0	7.7	5.7	8.0	5.8	8.6	5.8	8.9	5.9	9.2	6.1	9.8	6.1	10.4	6.0
	22.5	7.6	5.6	7.9	5.8	8.4	5.8	8.7	5.8	9.0	6.1	9.7	6.0	10.2	5.9
	25.0	7.5	5.6	7.8	5.7	8.3	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.1	5.9
	27.5	7.4	5.5	7.6	5.6	8.2	5.6	8.4	5.7	8.7	5.9	9.3	5.9	9.9	5.8
	30.0	7.2	5.4	7.5	5.6	8.0	5.6	8.3	5.6	8.6	5.9	9.1	5.8	9.8	5.8
	32.5	7.1	5.3	7.3	5.5	7.8	5.5	8.1	5.6	8.4	5.8	9.0	5.7	9.6	5.7
	35.0	7.0	5.3	7.2	5.4	7.7	5.4	8.0	5.5	8.2	5.7	8.8	5.7	9.4	5.6
	37.5	6.8	5.2	7.1	5.4	7.6	5.4	7.8	5.5	8.1	5.7	8.6	5.6	9.2	5.6
	40.0	6.7	5.2	6.9	5.3	7.4	5.3	7.7	5.4	8.0	5.6	8.5	5.6	9.0	5.5
43.0	6.6	5.1	6.7	5.2	7.2	5.2	7.5	5.3	7.8	5.5	8.3	5.5	8.8	5.4	

PDFY-P-VM-E

Cooling capacity in combination with PUHY-P700,750,800

PDFY-P-VM-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
80 (9.0)	20.0	8.7	6.2	9.0	6.4	9.7	6.4	10.0	6.5	10.4	6.7	11.1	6.7	11.7	6.6
	22.5	8.6	6.1	8.9	6.3	9.5	6.3	9.8	6.4	10.2	6.6	10.9	6.6	11.5	6.5
	25.0	8.5	6.1	8.7	6.2	9.4	6.2	9.7	6.3	10.0	6.5	10.6	6.5	11.3	6.4
	27.5	8.3	6.0	8.6	6.2	9.2	6.1	9.5	6.2	9.8	6.5	10.5	6.4	11.2	6.3
	30.0	8.1	5.9	8.4	6.1	9.0	6.1	9.3	6.1	9.6	6.4	10.3	6.3	11.0	6.3
	32.5	8.0	5.8	8.2	6.0	8.8	6.0	9.1	6.1	9.5	6.3	10.1	6.2	10.8	6.2
	35.0	7.8	5.8	8.1	5.9	8.6	5.9	9.0	6.0	9.3	6.2	9.9	6.2	10.5	6.1
	37.5	7.7	5.7	8.0	5.9	8.5	5.8	8.8	5.9	9.1	6.2	9.7	6.1	10.4	6.0
	40.0	7.6	5.6	7.7	5.8	8.3	5.7	8.6	5.9	9.0	6.1	9.5	6.0	10.1	5.9
43.0	7.4	5.5	7.6	5.7	8.1	5.6	8.4	5.8	8.7	6.0	9.3	5.9	9.9	5.9	
100 (11.2)	20.0	10.8	7.8	11.2	8.0	12.0	8.0	12.5	8.1	12.9	8.4	13.8	8.4	14.6	8.2
	22.5	10.6	7.7	11.0	7.9	11.8	7.9	12.2	8.0	12.7	8.3	13.6	8.3	14.3	8.1
	25.0	10.5	7.6	10.9	7.8	11.6	7.8	12.0	7.9	12.4	8.2	13.2	8.1	14.1	8.0
	27.5	10.3	7.5	10.6	7.7	11.4	7.7	11.8	7.8	12.2	8.1	13.0	8.1	13.9	8.0
	30.0	10.1	7.4	10.5	7.6	11.2	7.6	11.6	7.7	12.0	8.0	12.8	8.0	13.7	7.9
	32.5	9.9	7.3	10.2	7.5	11.0	7.5	11.4	7.6	11.8	7.9	12.5	7.9	13.4	7.8
	35.0	9.7	7.2	10.1	7.5	10.8	7.4	11.2	7.6	11.5	7.8	12.3	7.8	13.1	7.7
	37.5	9.6	7.2	10.0	7.4	10.6	7.3	11.0	7.5	11.4	7.8	12.1	7.7	12.9	7.6
	40.0	9.4	7.1	9.6	7.2	10.4	7.2	10.8	7.4	11.1	7.7	11.9	7.6	12.6	7.5
43.0	9.2	7.0	9.4	7.1	10.1	7.1	10.5	7.3	10.9	7.6	11.6	7.5	12.3	7.4	
125 (14.0)	20.0	13.5	9.8	14.0	10.2	15.1	10.1	15.6	10.3	16.1	10.7	17.2	10.6	18.3	10.4
	22.5	13.3	9.7	13.8	10.1	14.8	10.0	15.3	10.2	15.8	10.6	16.9	10.5	17.9	10.3
	25.0	13.2	9.7	13.6	9.9	14.6	9.9	15.1	10.1	15.5	10.5	16.5	10.3	17.6	10.2
	27.5	12.9	9.5	13.3	9.8	14.3	9.8	14.8	9.9	15.3	10.3	16.3	10.2	17.4	10.1
	30.0	12.6	9.4	13.1	9.7	14.0	9.7	14.5	9.8	15.0	10.2	16.0	10.1	17.1	10.0
	32.5	12.4	9.3	12.8	9.6	13.7	9.5	14.2	9.7	14.7	10.1	15.7	10.0	16.7	9.9
	35.0	12.2	9.2	12.6	9.5	13.4	9.4	14.0	9.6	14.4	10.0	15.4	9.9	16.4	9.8
	37.5	12.0	9.1	12.5	9.4	13.2	9.3	13.7	9.5	14.2	9.9	15.1	9.8	16.1	9.7
	40.0	11.8	9.0	12.0	9.2	13.0	9.2	13.4	9.4	13.9	9.8	14.8	9.7	15.8	9.5
43.0	11.5	8.8	11.8	9.1	12.6	9.0	13.1	9.2	13.6	9.6	14.5	9.5	15.4	9.4	

2.4b. Heating capacity in combination with PUHY-P700,750,800

PDFY-P-VM-E

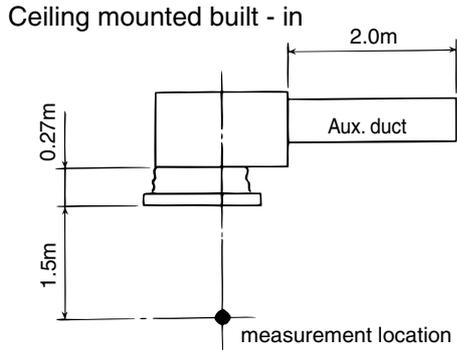
Unit size (Rated kW)	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
		°CWB	SHC	SHC	SHC
20 (2.2)	-20.0	1.3	1.3	1.3	1.2
	-15.0	1.5	1.5	1.5	1.5
	-10.0	1.8	1.8	1.7	1.7
	-5.0	2.0	2.0	1.9	1.8
	0.0	2.3	2.2	2.0	1.8
	2.5	2.4	2.4	2.0	1.8
	6.0	2.6	2.5	2.0	1.8
	7.5	2.7	2.5	2.0	1.8
	10.0	2.8	2.5	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	1.6	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	2.4
	0.0	2.9	2.9	2.5	2.4
	2.5	3.1	3.0	2.5	2.4
	6.0	3.3	3.2	2.5	2.4
	7.5	3.4	3.2	2.5	2.4
	10.0	3.6	3.2	2.5	2.4
	12.5	3.7	3.2	2.5	2.4
15.5	3.7	3.2	2.5	2.4	
32 (3.6)	-20.0	2.0	2.0	2.0	2.0
	-15.0	2.4	2.4	2.4	2.3
	-10.0	2.8	2.8	2.7	2.7
	-5.0	3.2	3.2	3.1	2.9
	0.0	3.6	3.6	3.2	2.9
	2.5	3.8	3.8	3.2	2.9
	6.0	4.1	4.0	3.2	2.9
	7.5	4.2	4.0	3.2	2.9
	10.0	4.4	4.0	3.2	2.9
	12.5	4.6	4.0	3.2	2.9
15.5	4.6	4.0	3.2	2.9	
40 (4.5)	-20.0	2.5	2.5	2.5	2.5
	-15.0	3.1	3.0	3.0	2.9
	-10.0	3.6	3.5	3.4	3.4
	-5.0	4.1	4.0	3.9	3.7
	0.0	4.6	4.5	4.0	3.7
	2.5	4.8	4.7	4.0	3.7
	6.0	5.2	5.0	4.0	3.7
	7.5	5.3	5.0	4.0	3.7
	10.0	5.6	5.0	4.0	3.7
	12.5	5.8	5.0	4.0	3.7
15.5	5.8	5.0	4.0	3.7	
50 (5.6)	-20.0	3.2	3.2	3.2	3.1
	-15.0	3.8	3.8	3.7	3.7
	-10.0	4.5	4.4	4.3	4.2
	-5.0	5.1	5.0	4.9	4.6
	0.0	5.7	5.6	5.0	4.6
	2.5	6.0	5.9	5.0	4.6
	6.0	6.5	6.3	5.0	4.6
	7.5	6.7	6.3	5.0	4.6
	10.0	7.0	6.3	5.0	4.6
	12.5	7.3	6.3	5.0	4.6
15.5	7.3	6.3	5.0	4.6	
63 (7.1)	-20.0	4.0	4.0	4.0	3.9
	-15.0	4.9	4.8	4.8	4.6
	-10.0	5.7	5.6	5.4	5.4
	-5.0	6.5	6.4	6.2	5.9
	0.0	7.3	7.2	6.4	5.9
	2.5	7.7	7.5	6.4	5.9
	6.0	8.2	8.0	6.4	5.9
	7.5	8.5	8.0	6.4	5.9
	10.0	8.9	8.0	6.4	5.9
	12.5	9.3	8.0	6.4	5.9
15.5	9.3	8.0	6.4	5.9	
71 (8.0)	-20.0	4.5	4.5	4.5	4.4
	-15.0	5.5	5.4	5.4	5.2
	-10.0	6.4	6.3	6.1	6.0
	-5.0	7.3	7.2	6.9	6.6
	0.0	8.2	8.1	7.2	6.6
	2.5	8.6	8.5	7.2	6.6
	6.0	9.3	9.0	7.2	6.6
	7.5	9.5	9.0	7.2	6.6
	10.0	10.0	9.0	7.2	6.6
	12.5	10.4	9.0	7.2	6.6
15.5	10.4	9.0	7.2	6.6	

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
80 (9.0)	-20.0	5.0	5.0	5.0	4.9
	-15.0	6.1	6.0	6.0	5.8
	-10.0	7.1	7.0	6.8	6.7
	-5.0	8.1	8.0	7.7	7.4
	0.0	9.1	9.0	8.0	7.4
	2.5	9.6	9.4	8.0	7.4
	6.0	10.3	10.0	8.0	7.4
	7.5	10.6	10.0	8.0	7.4
	10.0	11.1	10.0	8.0	7.4
	12.5	11.6	10.0	8.0	7.4
15.5	11.6	10.0	8.0	7.4	
100 (11.2)	-20.0	6.3	6.3	6.3	6.1
	-15.0	7.6	7.5	7.4	7.3
	-10.0	8.9	8.8	8.5	8.4
	-5.0	10.1	10.0	9.6	9.2
	0.0	11.4	11.2	9.9	9.2
	2.5	12.0	11.8	9.9	9.2
	6.0	12.9	12.5	9.9	9.2
	7.5	13.3	12.5	9.9	9.2
	10.0	13.9	12.5	9.9	9.2
	12.5	14.5	12.5	9.9	9.2
15.5	14.5	12.5	9.9	9.2	
125 (14.0)	-20.0	8.0	8.0	8.0	7.8
	-15.0	9.8	9.6	9.5	9.3
	-10.0	11.4	11.2	10.9	10.7
	-5.0	13.0	12.8	12.3	11.8
	0.0	14.6	14.3	12.7	11.8
	2.5	15.4	15.0	12.7	11.8
	6.0	16.5	16.0	12.7	11.8
	7.5	17.0	16.0	12.7	11.8
	10.0	17.8	16.0	12.7	11.8
	12.5	18.6	16.0	12.7	11.8
15.5	18.6	16.0	12.7	11.8	

3. Sound Levels

3.1 Noise levels



* PDFY-P20~80VM-E
 Low : 30Pa Mid : 50Pa High : 100Pa
 PDFY-P100, 125VM-E
 Low : 50Pa Mid : 100Pa High : 130Pa

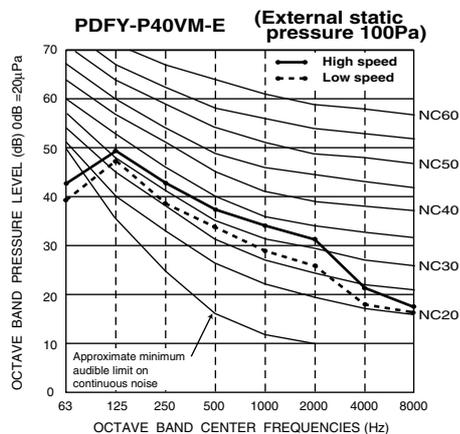
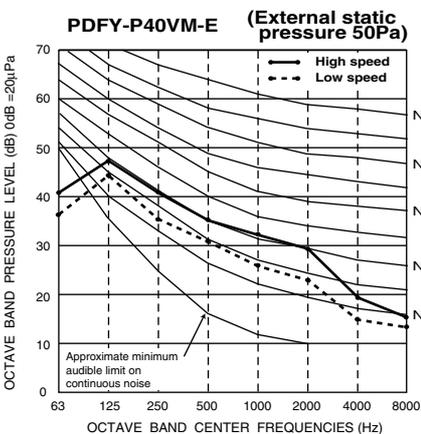
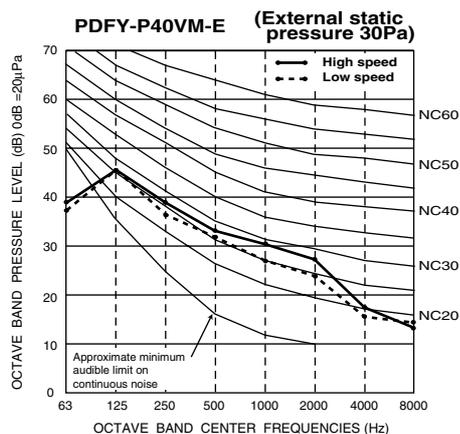
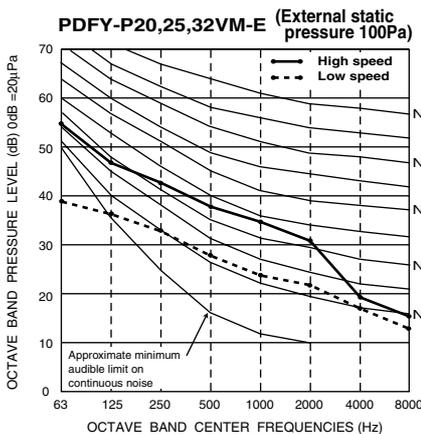
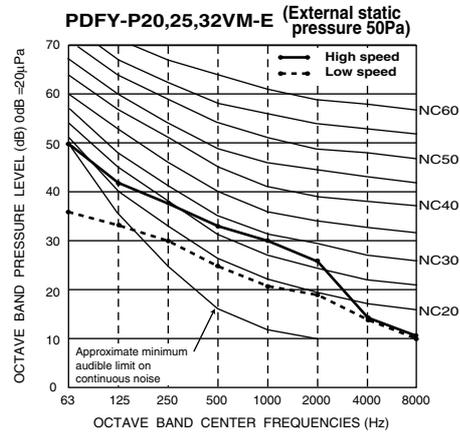
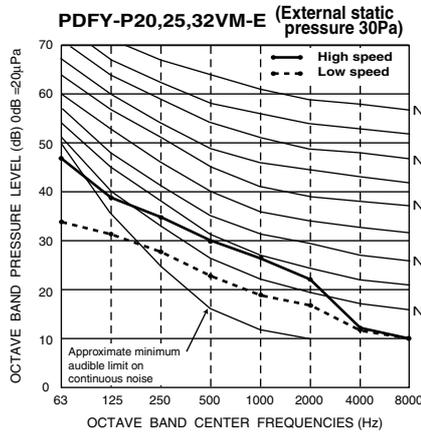
Noise level at anechoic room
 (Low-Middle2-Middle1-High)

Unit : dB(A)

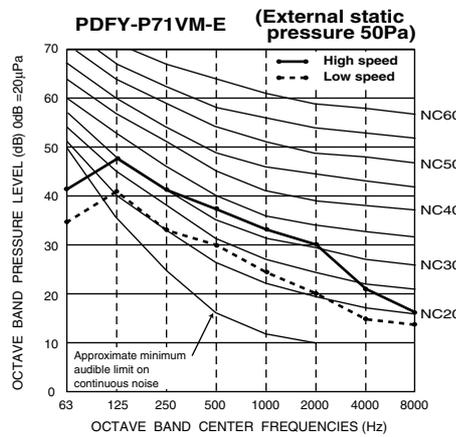
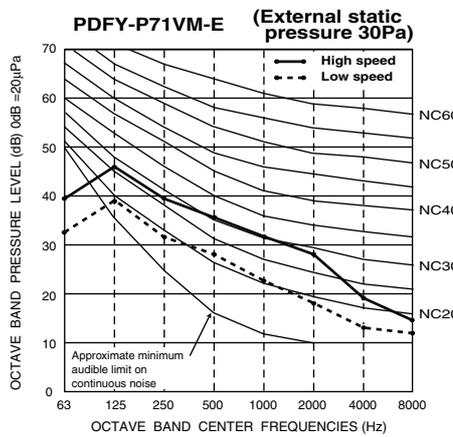
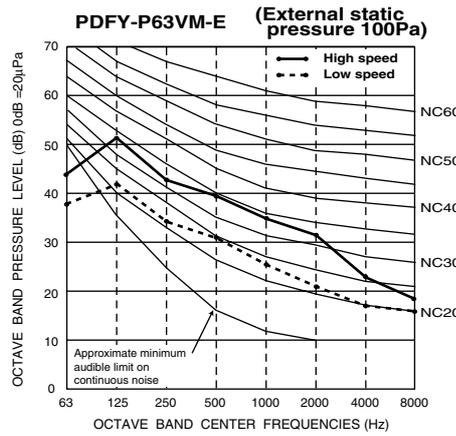
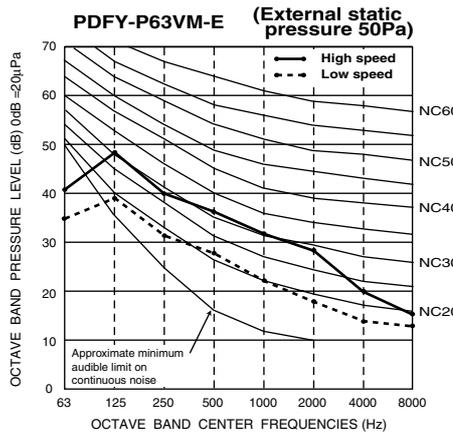
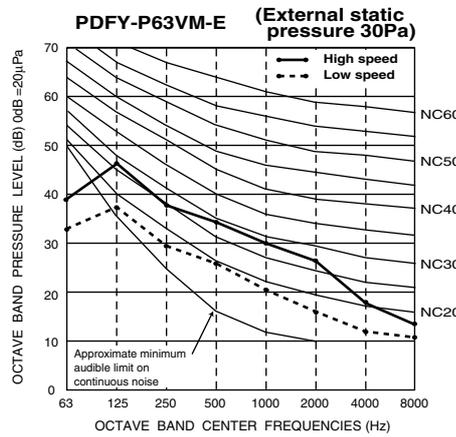
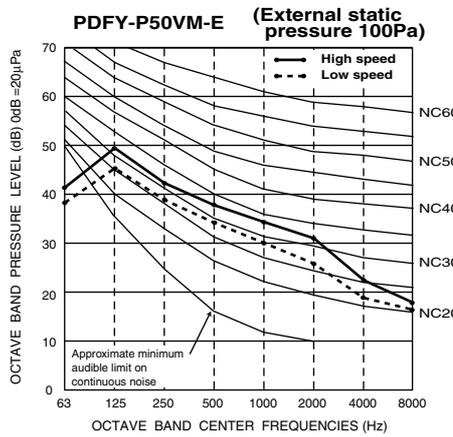
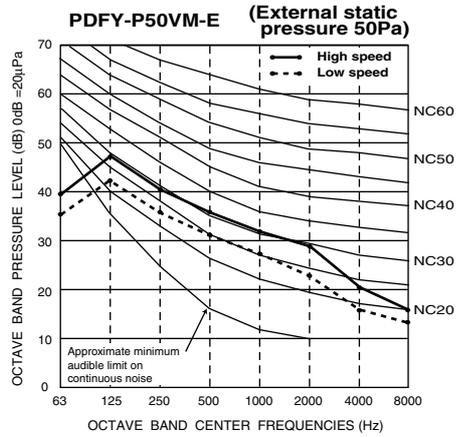
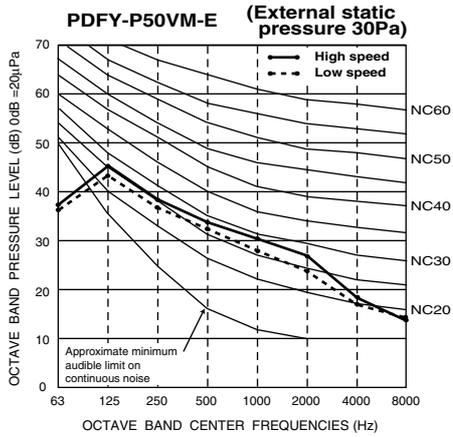
Model	External static pressure*		
	Low	Mid	High
PDFY-P20VM-E PDFY-P25VM-E PDFY-P32VM-E	26-28-31-33	28-30-33-36	31-35-39-41
PDFY-P40VM-E PDFY-P50VM-E	35-35.5-36-37	34-36-37-39	37-39-40-41
PDFY-P63VM-E	28-31-34-37	30-34-36-39	33-37-40-42
PDFY-P71VM-E	30-33-35-38	32-35-37-40	35-38-41-43
PDFY-P80VM-E	31-34-37-39	34-37-40-42	35-39-42-44
PDFY-P100VM-E	34-42(37-44)	36-44(38-45)	38-45(39-46)
PDFY-P125VM-E	40-45(42-46)	42-46(43-47)	42-46(44-47)

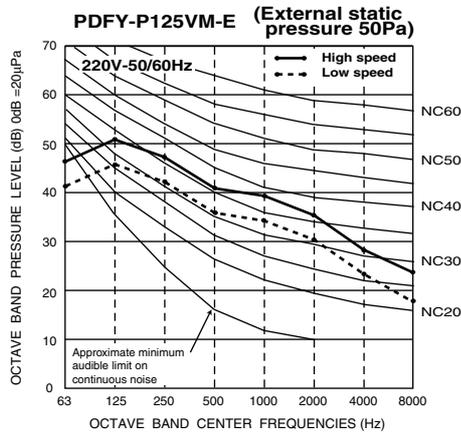
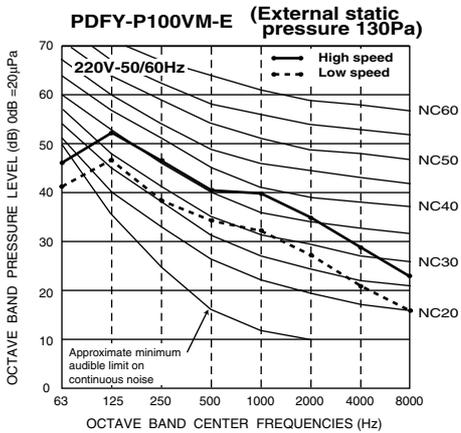
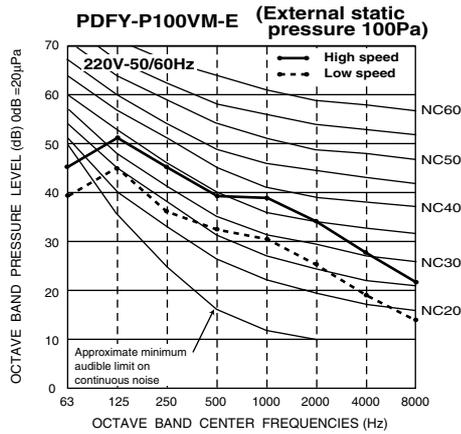
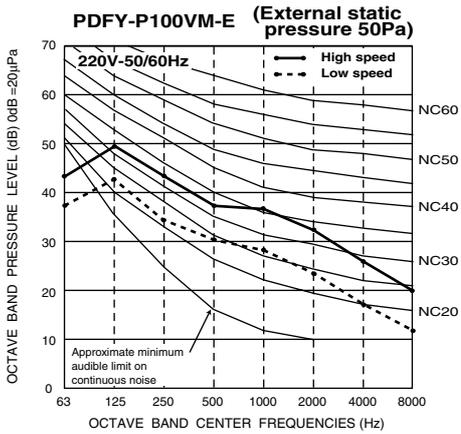
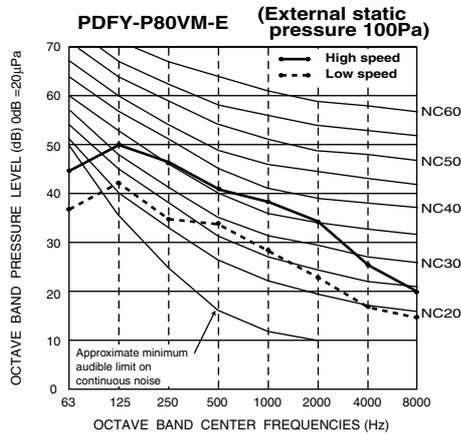
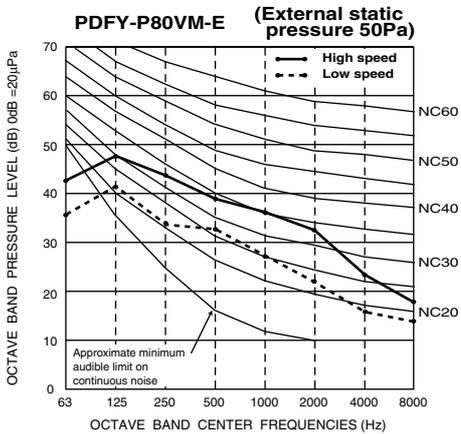
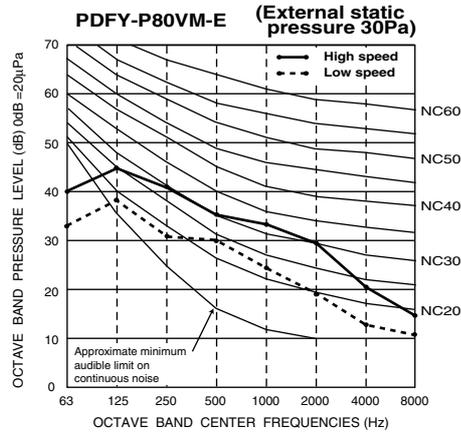
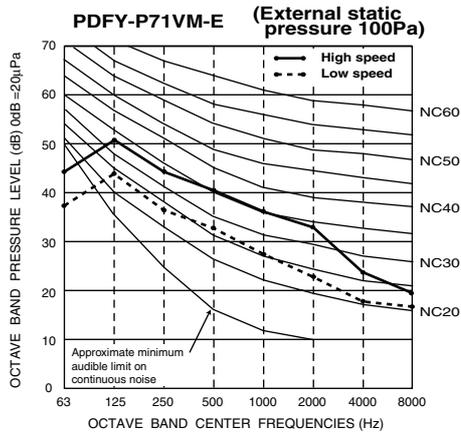
The figure in () indicates noise level at 240V/50Hz.

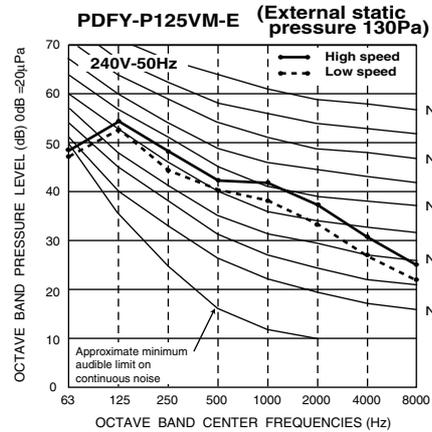
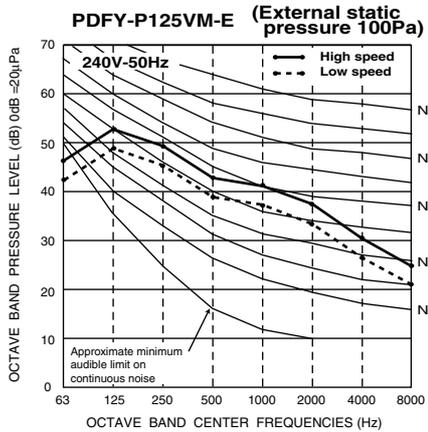
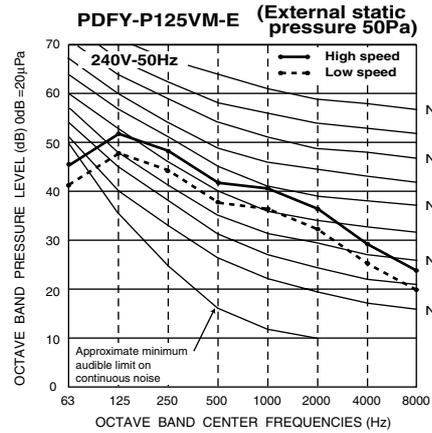
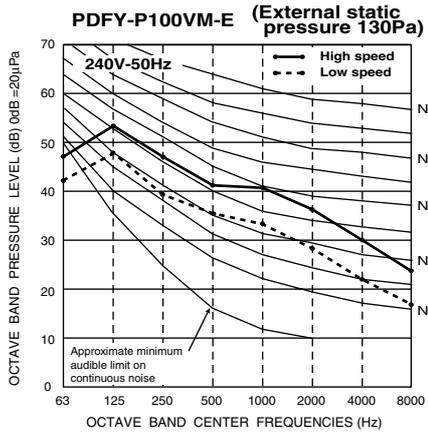
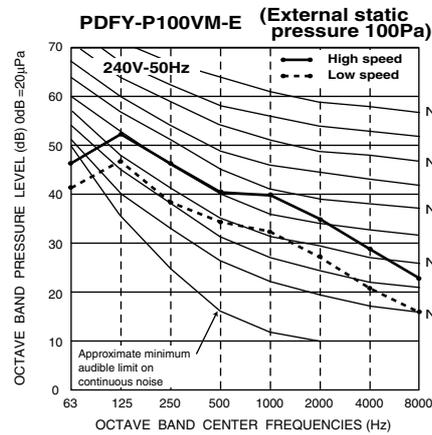
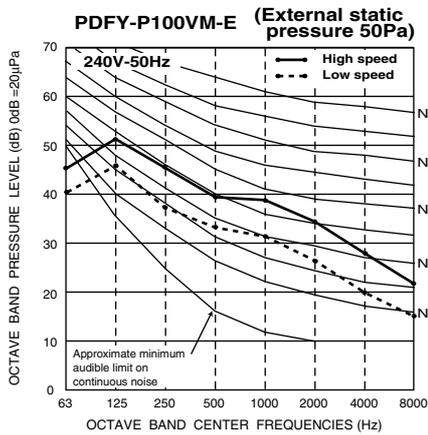
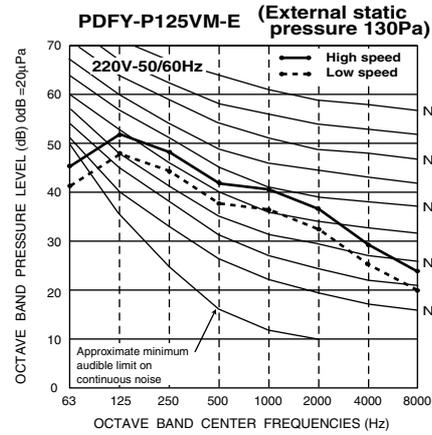
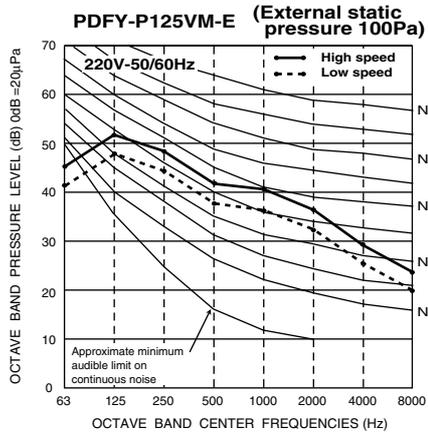
3.2 NC curves



PDFY-P-VM-E

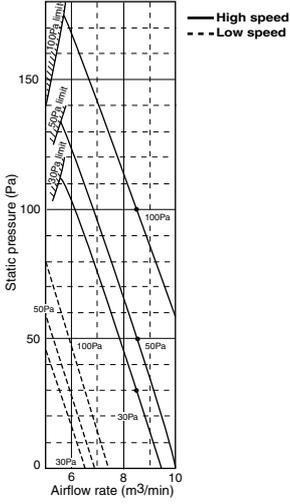




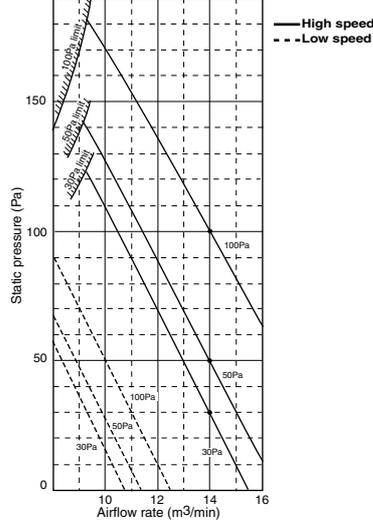


3.3 Fan characteristics curves

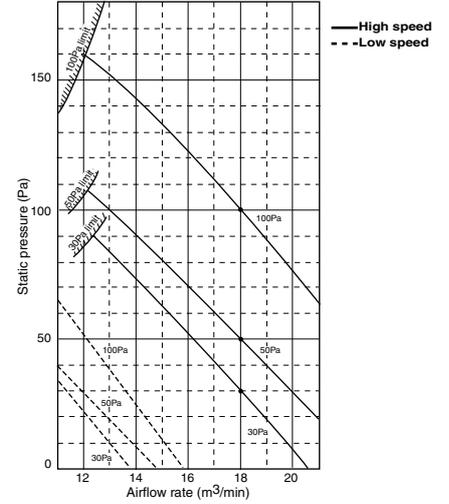
PDFY-P20,25,32VM-E
(External static pressure 30,50,100Pa)



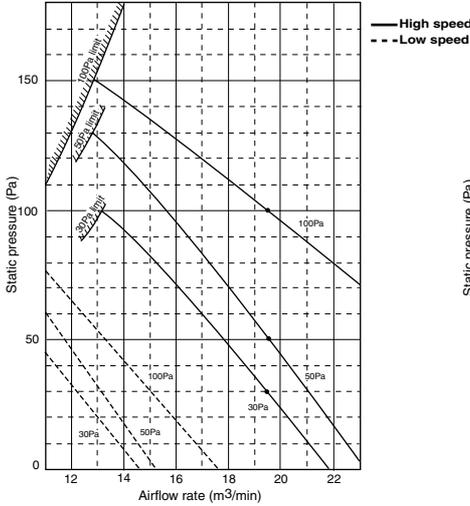
PDFY-P40,50VM-E
(External static pressure 30,50,100Pa)



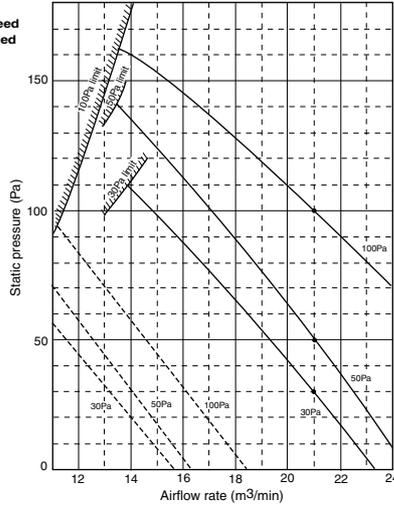
PDFY-P63VM-E
(External static pressure 30,50,100Pa)



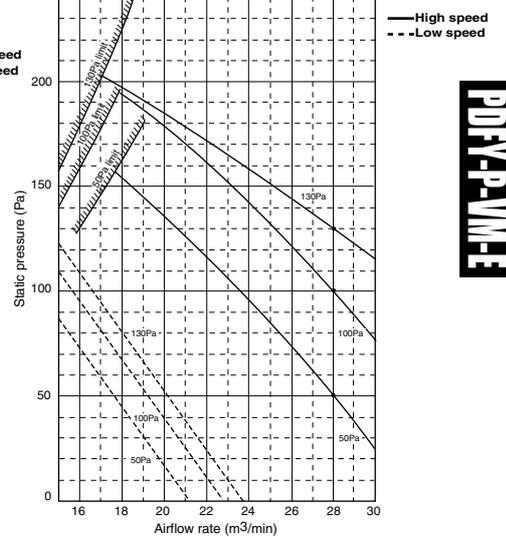
PDFY-P71VM-E
(External static pressure 30,50,100Pa)



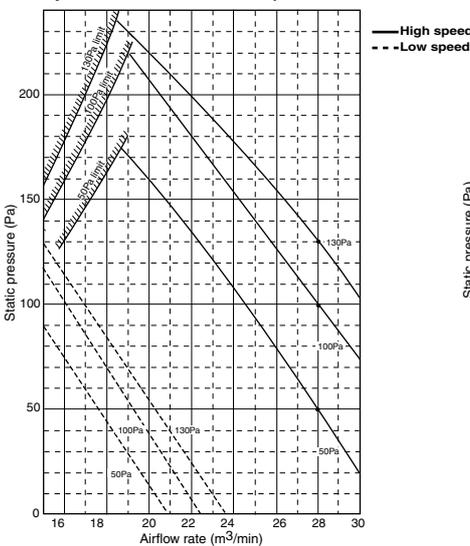
PDFY-P80VM-E
(External static pressure 30,50,100Pa)



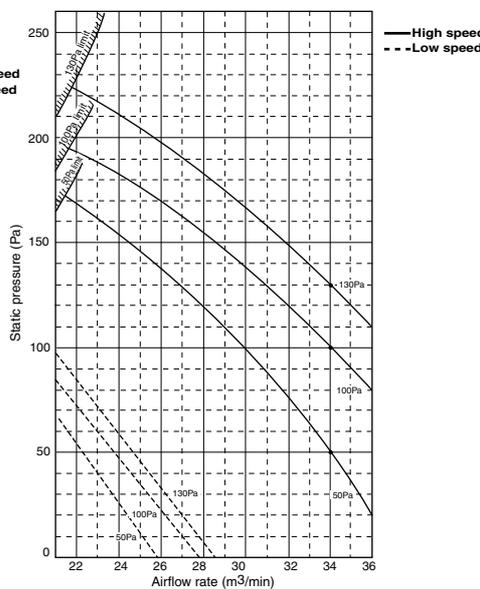
PDFY-P100VM-E
(External static pressure 50,100,130Pa) 50Hz



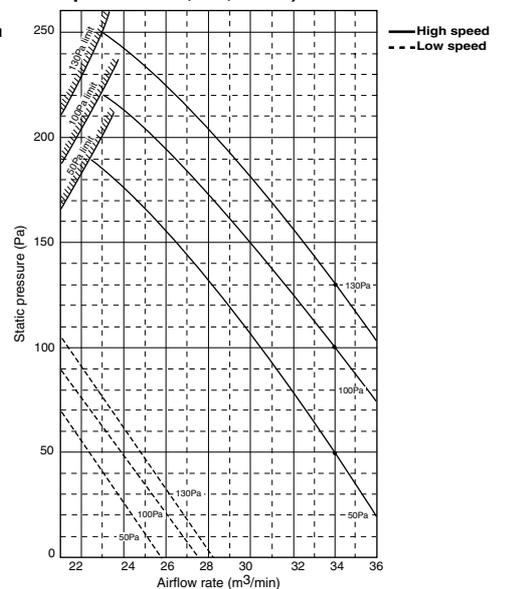
PDFY-P100VM-E
(External static pressure 50,100,130Pa) 60Hz



PDFY-P125VM-E
(External static pressure 50,100,130Pa) 50Hz



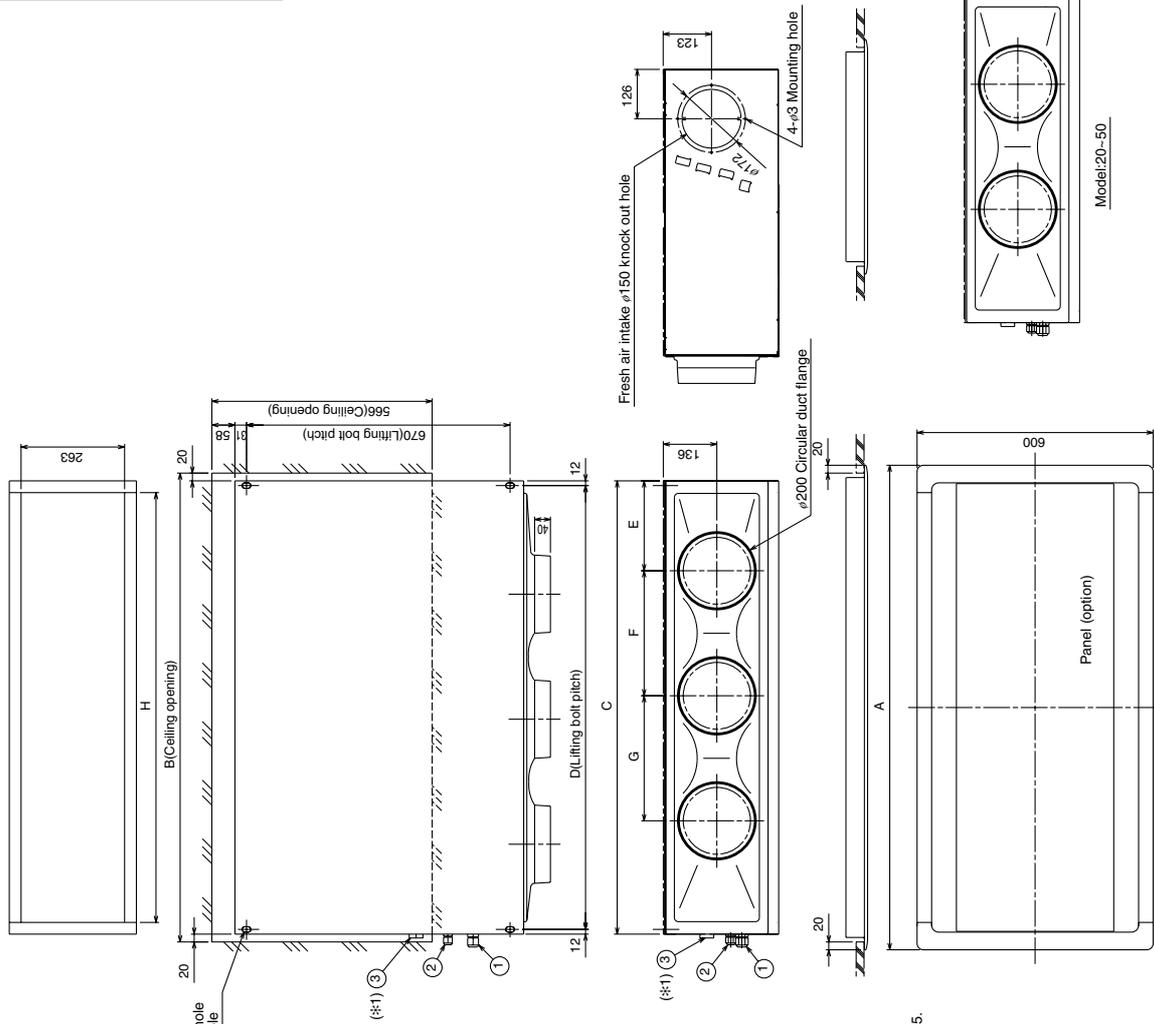
PDFY-P125VM-E
(External static pressure 50,100,130Pa) 60Hz



PDFY-P-VM-E

**PDFY-P20,25,32,40,50,
63,71,80VM-E
with circular duct flange**

Unit : mm

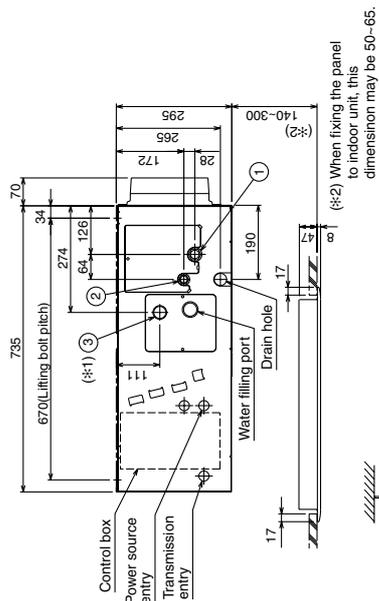


Note: 1. Use M10 screw for the lifting bolt (field supply).
2. On Model :50, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.
3. In order to increase the strength of the flare nut, the size of some of them has been increased.

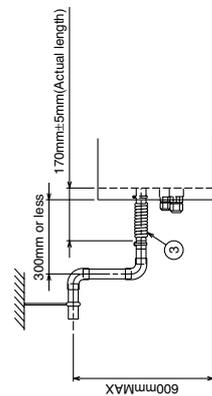


Model	Gas pipe:LP ϕ 12.7	Liquid pipe:HP ϕ 6.35	Gas pipe:LP ϕ 12.7<R410A outdoor unit> ϕ 15.88<The other outdoor unit>	Liquid pipe:HP ϕ 6.35<R410A outdoor unit> ϕ 9.52<R407C,R22 outdoor unit>	Gas pipe:LP ϕ 15.88	Liquid pipe:HP ϕ 9.52	Drain hose VP-25 <flexible joint 200mm> (accessory)
20-25-32-40	①	②	①	②	①	②	③
50	①	②	①	②	①	②	③

Model	A	B	C	D	E	F	G	H	J(Liquid)	J(Gas)
PDFY-P20-25-32VM-E	790	750	710	686	165	320	—	650	17	27
PDFY-P40VM-E	1040	1000	960	936	225	450	—	900	17	27
PDFY-P50VM-E	1040	1000	960	936	225	450	—	900	22	29
PDFY-P63-71-80VM-E	1240	1200	1160	1136	230	320	320	1100	22	29



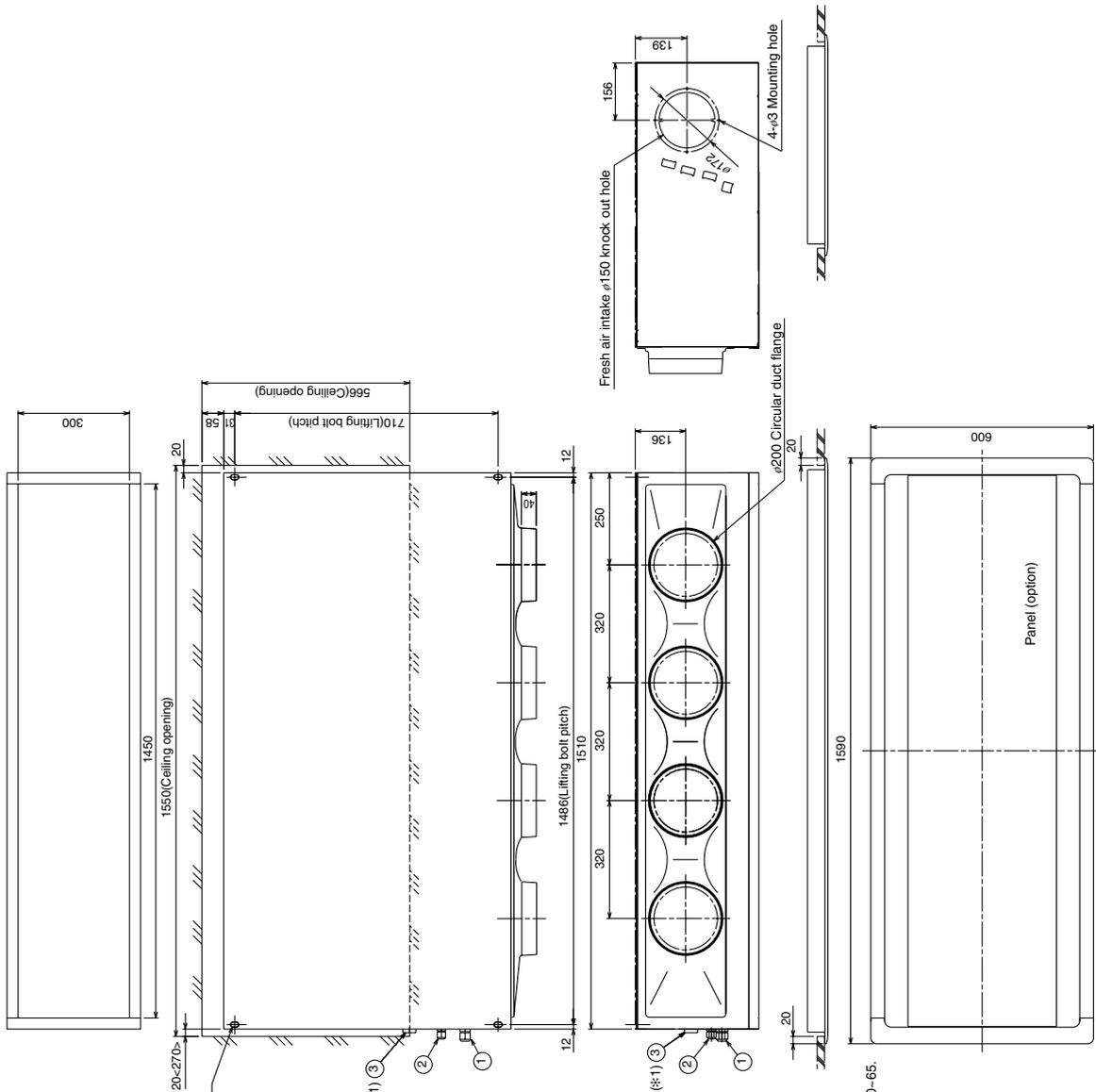
(*)1 When installing the drain water lifting-up mech(option).
(*)2 When fixing the panel to indoor unit, this dimension may be 50-65.



(*)1)When installing the drain water lifting-up mech(option).

**PDFY-P100, 125VM-E
with circular duct flange**

Unit : mm

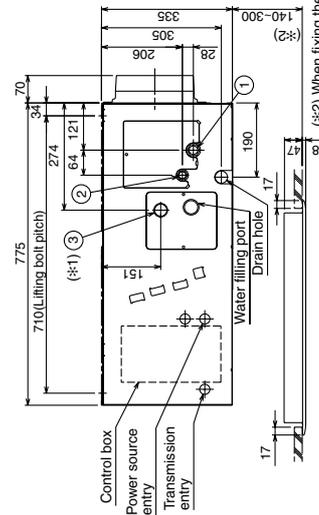


Note: 1. Use M10 screw for the lifting bolt (field supply).
 2. On this model, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.
 3. In order to increase the strength of the flare nut, the size of some of them has been increased.



Model	A(Liquid)	A(Gas)
PDFY-P100, P125VM-E	22	36

- <flare>
 - ① ①
 - ② ②
 - ③ ③
- Gas pipe:LP
 - ① 15.88<R410A outdoor unit>
 - ② 19.05<R407C, R22 outdoor unit>
 - ③ 19.52
- Liquid pipe:HP
 - ① ①
 - ② ②
 - ③ ③
- Drain hose VP-25 <flexible joint 200mm> (accessory)



(*)1 When fixing the panel to indoor unit, this dimension may be 50-65.

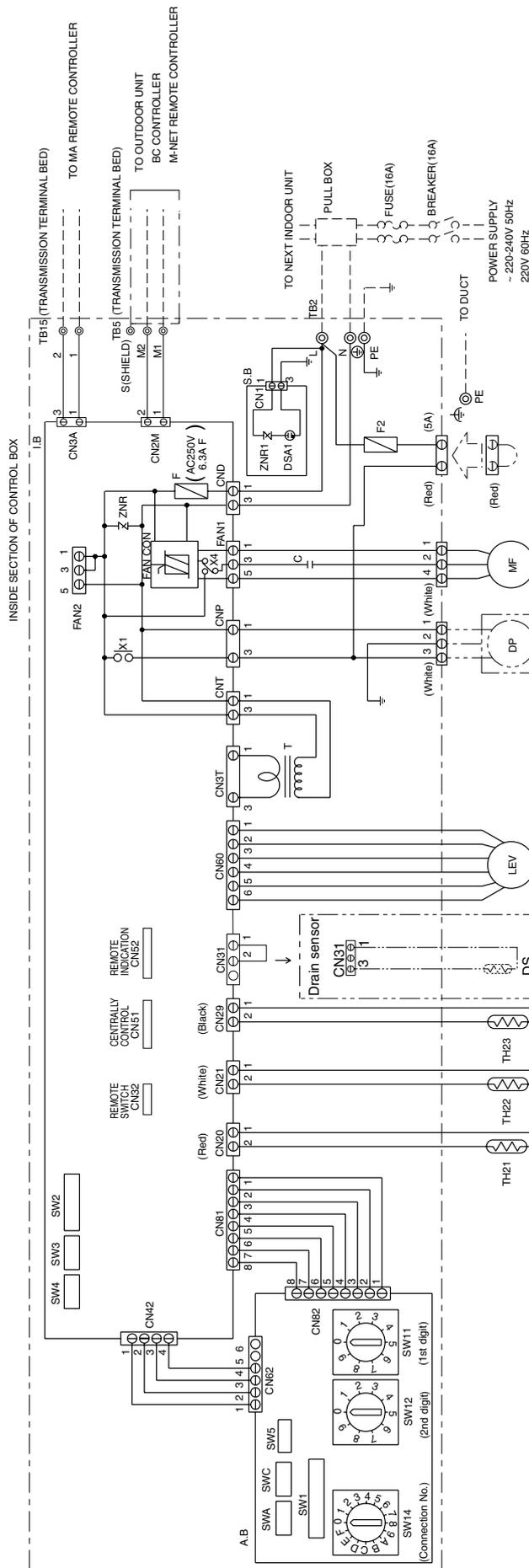
(*)2 When fixing the panel to indoor unit, this dimension may be 50-65.



(*)1)When installing the drain water lifting-up mech(option).

5. Electrical Wiring Diagrams

PDFY-P20,25,32,40,50,63,71,80VM-E



For test of pumpout (after confirm drain pump out, take this connector off.)

NOTE:1. TB2, TB5 shown in dotted line are field work.

2. Mark indicates terminal bed, board insertion connector, board insertion connector or fastening connector of control board.

3. --- : optional parts

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH22	Thermistor (piping temp.detection/liquid)
C	※ Capacitor (for MF)	TH23	Thermistor (piping temp.detection/gas)
I.B	Indoor controller board	SWA(A.B)	Switch (option parts)
A.B	Address board	SWC(A.B)	Switch (option parts)
TB2	Power source terminal bed	SW11(A.B)	Switch (1st digit address set)
TB5	Transmission terminal bed	SW12(A.B)	Switch (2nd digit address set)
TB15	Transmission terminal bed	SW14(A.B)	Switch (connection No.set)
F	Fuse AC250V 6.3A F	SW1(A.B)	Switch(for mode selection)
<F2>	Fuse AC250V 5A F	SW2(I.B)	Switch(for capacity code)
T	Transformer	SW3(I.B)	Switch(for mode selection)
<DP>	Drain pump	SW4(I.B)	Switch(for model selection)
<DS>	Drain sensor	SW5(A.B)	Switch(for voltage selection)
LEV	Electronic linear expan. valve	X1, X4	Aux.relay
TH21	Thermistor (inlet temp.detection)	S.B	Surge absorber board

Inside < > is the optional parts.

6. Options

Description	Model	Applicable capacity
Drain water lift-up kit	PAC-KD02DM-F	P20/P25/P32/P40/P50 P63/P71/P80/P100/P125
Square duct flange	PAC-KD32KDF-F	P20/P25/P32
	PAC-KD50KDF-F	P40/P50
	PAC-KD80KDF-F	P63/P71/P80
	PAC-KD125KDF-F	P100/P125
Circular duct flange	PAC-KD32EDF-F	P20/P25/P32
	PAC-KD50EDF-F	P40/P50
	PAC-KD80EDF-F	P63/P71/P80
	PAC-KD125EDF-F	P100/P125
Filter box for rear suction	PAC-KD80RTB	P20/P25/P32
	PAC-KD81RTB	P40/P50
	PAC-KD83RTB	P63/P71/P80
	PAC-KD84RTB	P100/P125
Canvas duct for bottom suction	PAC-KD90DF	P20/P25/P32
	PAC-KD91DF	P40/P50
	PAC-KD93DF	P63/P71/P80
	PAC-KD94DF	P100/P125
Filter box for bottom suction	PAC-KD70TB	P20/P25/P32
	PAC-KD71TB	P40/P50
	PAC-KD73TB	P63/P71/P80
	PAC-KD74TB	P100/P125
High efficiency filter 65%	PAC-KD30AF	P20/P25/P32
	PAC-KD31AF	P40/P50
	PAC-KD33AF	P63/P71/P80
	PAC-KD34AF	P100/P125
High efficiency filter 90%	PAC-KD40AF	P20/P25/P32
	PAC-KD41AF	P40/P50
	PAC-KD43AF	P63/P71/P80
	PAC-KD44AF	P100/P125
Maintenance panel with air intake	CMP-J36DSW	P20/P25/P32
	CMP-J56DSW	P40/P50
	CMP-J90DSW	P63/P71/P80
	CMP-J160DSW	P100/P125