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

# 1. Specifications

PEFY-P-VMM-E

			PEFY-P20VMM-E	PEFY-P25VMM-E	PEFY-P32VMM-E	PEFY-P40VMM-E
Power source			~220-240V 50Hz			
Cooling capacity	* 1	kW	2.2	2.8	3.6	4.5
	* 1	BTU/h	7,500	9,550	12,280	15,350
	* 2	kW	2.3	2.9	3.7	4.7
	* 2	kcal/h	2,000	2,500	3,150	4,000
Heating capacity	* 1	kW	2.5	3.2	4.0	5.0
	* 1	BTU/h	8,530	10,750	13,640	17,060
	* 2	kW	2.6	3.3	4.1	5.2
	* 2	kcal/h	2,250	2,800	3,550	4,500
Power consumption (50Hz)	Cooling	kW	0.15		0.17	0.19
	Heating	kW	0.15		0.17	0.19
Current	Cooling	A	0.73		0.81	0.92
	Heating	A	0.73		0.81	0.92
External finish			Galvanizing			
Dimension H x W x D	mm	295 x 815 x 700				295 x 935 x 700
Net weight	kg	27				33
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type	Sirocco fan X 1				Sirocco fan X 2
	Airflow rate (Lo-Mid-Hi)	m <sup>3</sup> /min	6.0-7.2-8.5		7.5-9.0-10.5	10.0-12.0-14.0
	External static pressure	Pa	30/50/100			
Motor	Type	Single phase induction motor				
	Output	kW	0.075			
Air filter			PP Honeycomb fabric (washable)			
Refrigerant pipe dimension	Gas (Flare)	mm	ø 12.7			
	Liquid (Flare)	mm	ø 6.35			
Drain pipe dimension			R1 (External thread)			
Noise level (Lo-Mid-Hi)	* 3	dB(A)	27-30-32		28-32-35	31-34-37

			PEFY-P50VMM-E	PEFY-P63VMM-E	PEFY-P71VMM-E	PEFY-P80VMM-E
Power source			~220-240V 50Hz			
Cooling capacity	* 1	kW	5.6	7.1	8.0	9.0
	* 1	BTU/h	19,100	24,220	27,290	30,700
	* 2	kW	5.8	7.3	8.3	9.3
	* 2	kcal/h	5,000	6,300	7,100	8,000
Heating capacity	* 1	kW	6.3	8.0	9.0	10.0
	* 1	BTU/h	21,500	27,290	30,700	34,120
	* 2	kW	6.5	8.3	9.3	10.5
	* 2	kcal/h	5,600	7,100	8,000	9,000
Power consumption (50Hz)	Cooling	kW	0.20	0.22	0.25	
	Heating	kW	0.20	0.22	0.25	
Current	Cooling	A	0.98	1.07	1.15	
	Heating	A	0.98	1.07	1.15	
External finish			Galvanizing			
Dimension H x W x D	mm	295 x 935 x 700	295 x 1,175 x 700			
Net weight	kg	33	42			
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type	Sirocco fan X 2				
	Airflow rate (Lo-Hi)	m <sup>3</sup> /min	12.0-14.5-17.0	13.5-16.2-19.0	14.5-18.0-21.0	
	External static pressure	Pa	30/50/100			
Motor	Type	Single phase induction motor				
	Output	kW	0.075	0.078		
Air filter			PP Honeycomb fabric (washable)			
Refrigerant pipe dimension	Gas (Flare)	mm	ø 12.7 (R410A) ø 15.88 (R22,R407C)	ø 15.88		
	Liquid (Flare)	mm	ø 6.35 (R410A) ø 9.52 (R22,R407C)	ø 9.52		
Drain pipe dimension			R1 (External thread)			
Noise level (Lo-Mid-Hi)	* 3	dB(A)	31-35-38		32-36-39	

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 It is measured in anechoic room.

			PEFY-P100VMM-E	PEFY-P125VMM-E	PEFY-P140VMM-E
Power source			~220-240V 50Hz		
Cooling capacity	* 1	kW	11.2	14.0	16.0
	* 1	BTU/h	38,200	47,750	54,580
	* 2	kW	11.6	14.5	16.3
	* 2	kcal/h	10,000	12,500	14,000
Heating capacity	* 1	kW	12.5	16.0	18.0
	* 1	BTU/h	42,650	54,580	61,400
	* 2	kW	13.0	16.3	18.6
	* 2	kcal/h	11,200	14,000	16,000
Power consumption (50/60Hz)	Cooling	kW	0.29	0.40	0.42
	Heating	kW	0.29	0.40	0.42
Current	Cooling	A	1.34	1.90	1.95
	Heating	A	1.34	1.90	1.95
External finish			Galvanizing		
Dimension H x W x D		mm	325 x 1,415 x 740		325 x 1,715 x 740
Net weight		kg	62	65	70
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)		
Fan	Type		Sirocco fanX2		
	Airflow rate (Lo-Hi)	m <sup>3</sup> /min	23.0-33.0	28.0-40.0	29.5-42.0
	External static pressure		Pa	50/130	
Motor	Type		Single phase induction motor		
	Output		kW	0.200	0.280
Air filter			PP Honeycomb fabric (washable)		
Refrigerant pipe dimension	Gas (Flare)	mm	ø 15.88 (R410A) ø 19.05 (R22,R407C)		
	Liquid (Flare)	mm	ø 9.52		
Drain pipe dimension			R1 (External thread)		
Noise level (Lo-Mid-Hi)	* 3	dB(A)	40-44	42-45	42-45

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 It is measured in anechoic room.

# 2. Capacity Tables

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

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

PEFY-P-VMM-E

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

**PEFY-P-VMM-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
80 (9.0)	20.0	8.6	6.1	8.9	6.3	9.5	6.2	9.7	6.3	10.0	6.5	10.6	6.4	11.4	6.4
	22.5	8.6	6.1	8.9	6.3	9.5	6.2	9.7	6.3	10.0	6.5	10.6	6.4	11.4	6.4
	25.0	8.6	6.1	8.9	6.3	9.5	6.2	9.7	6.3	9.9	6.5	10.5	6.4	11.2	6.3
	27.5	8.5	6.1	8.8	6.2	9.3	6.2	9.5	6.2	9.8	6.4	10.3	6.3	11.0	6.2
	30.0	8.4	6.0	8.6	6.2	9.1	6.1	9.4	6.1	9.6	6.3	10.1	6.2	10.8	6.1
	32.5	8.2	5.9	8.5	6.1	8.9	6.0	9.1	6.0	9.4	6.3	9.9	6.1	10.5	6.1
	35.0	8.1	5.8	8.3	6.0	8.8	5.9	9.0	6.0	9.2	6.2	9.7	6.1	10.3	6.0
	37.5	7.9	5.8	8.1	5.9	8.6	5.8	8.8	5.9	9.0	6.1	9.5	6.0	10.1	5.9
	40.0	7.7	5.7	8.0	5.8	8.5	5.8	8.6	5.8	8.9	6.0	9.3	5.9	9.9	5.8
43.0	7.6	5.6	7.8	5.8	8.2	5.7	8.4	5.7	8.6	5.9	9.1	5.8	9.6	5.7	
100 (11.2)	20.0	10.6	8.3	11.0	8.6	11.8	8.5	12.1	8.7	12.5	9.0	13.2	8.9	14.2	8.8
	22.5	10.6	8.3	11.0	8.6	11.8	8.5	12.1	8.7	12.5	9.0	13.2	8.9	14.2	8.8
	25.0	10.6	8.3	11.0	8.6	11.8	8.5	12.1	8.7	12.4	9.0	13.1	8.8	13.9	8.7
	27.5	10.6	8.3	10.9	8.5	11.5	8.4	11.9	8.6	12.2	8.9	12.8	8.7	13.7	8.6
	30.0	10.4	8.2	10.7	8.4	11.3	8.3	11.6	8.5	11.9	8.8	12.5	8.6	13.4	8.5
	32.5	10.2	8.1	10.5	8.4	11.1	8.2	11.4	8.4	11.7	8.7	12.3	8.6	13.1	8.4
	35.0	10.0	8.0	10.3	8.3	10.9	8.2	11.2	8.3	11.5	8.6	12.1	8.5	12.8	8.3
	37.5	9.8	7.9	10.1	8.1	10.7	8.1	10.9	8.2	11.3	8.5	11.9	8.4	12.5	8.3
	40.0	9.6	7.8	9.9	8.1	10.5	8.0	10.8	8.1	11.1	8.5	11.6	8.3	12.3	8.2
43.0	9.4	7.7	9.7	8.0	10.2	7.9	10.4	8.0	10.8	8.3	11.3	8.2	12.0	8.1	
125 (14.0)	20.0	13.3	10.2	13.8	10.5	14.7	10.4	15.1	10.6	15.6	11.0	16.5	10.8	17.7	10.8
	22.5	13.3	10.2	13.8	10.5	14.7	10.4	15.1	10.6	15.6	11.0	16.5	10.8	17.7	10.8
	25.0	13.3	10.2	13.8	10.5	14.7	10.4	15.1	10.6	15.5	10.9	16.4	10.8	17.4	10.6
	27.5	13.2	10.1	13.7	10.4	14.4	10.3	14.8	10.5	15.3	10.9	16.0	10.7	17.1	10.5
	30.0	13.0	10.0	13.4	10.3	14.2	10.2	14.6	10.4	14.9	10.7	15.7	10.5	16.7	10.4
	32.5	12.7	9.9	13.2	10.2	13.9	10.1	14.2	10.2	14.6	10.6	15.4	10.4	16.4	10.3
	35.0	12.5	9.8	12.9	10.1	13.7	10.0	14.0	10.1	14.4	10.5	15.1	10.3	16.0	10.2
	37.5	12.3	9.7	12.6	10.0	13.4	9.9	13.7	10.0	14.1	10.4	14.8	10.2	15.7	10.0
	40.0	12.0	9.6	12.4	9.9	13.2	9.8	13.4	9.9	13.9	10.3	14.5	10.1	15.4	9.9
43.0	11.8	9.4	12.1	9.7	12.8	9.6	13.0	9.7	13.4	10.1	14.1	10.0	15.0	9.8	
140 (16.0)	20.0	15.2	11.3	15.8	11.6	16.8	11.6	17.3	11.7	17.8	12.2	18.9	12.0	20.2	11.9
	22.5	15.2	11.3	15.8	11.6	16.8	11.6	17.3	11.7	17.8	12.2	18.9	12.0	20.2	11.9
	25.0	15.2	11.3	15.8	11.6	16.8	11.6	17.3	11.7	17.7	12.1	18.7	11.9	19.8	11.7
	27.5	15.1	11.2	15.6	11.6	16.5	11.4	17.0	11.6	17.4	12.0	18.3	11.8	19.5	11.6
	30.0	14.9	11.1	15.3	11.4	16.2	11.3	16.6	11.4	17.0	11.8	17.9	11.6	19.1	11.5
	32.5	14.6	11.0	15.0	11.3	15.8	11.1	16.2	11.3	16.7	11.7	17.6	11.5	18.7	11.3
	35.0	14.3	10.8	14.7	11.1	15.6	11.0	16.0	11.2	16.4	11.6	17.3	11.4	18.3	11.2
	37.5	14.0	10.7	14.4	11.0	15.3	10.9	15.6	11.0	16.1	11.4	17.0	11.2	17.9	11.1
	40.0	13.8	10.6	14.2	10.9	15.0	10.8	15.4	10.9	15.8	11.3	16.6	11.1	17.6	10.9
43.0	13.4	10.4	13.8	10.7	14.6	10.6	14.9	10.7	15.4	11.1	16.2	10.9	17.1	10.8	

PEFY-P-VMM-E

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

### PEFY-P-VMM-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	
140 (16.0)	-20.0	9.3	9.0	9.0	9.0
	-15.0	11.2	11.0	10.8	10.6
	-10.0	13.1	13.0	12.6	12.3
	-5.0	15.1	14.9	14.4	12.6
	0.0	17.0	16.9	14.4	12.6
	2.5	18.0	17.8	14.4	12.6
	6.0	18.7	18.0	14.4	12.6
	7.5	19.4	18.0	14.4	12.6
	10.0	20.5	18.0	14.4	12.6
	12.5	21.7	18.0	14.4	12.6
15.5	23.0	18.0	14.4	12.6	

PEFY-P-VMM-E

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

PEFY-P-VMM-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
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	2.6	3.6	2.7	3.9	2.7	4.0	2.7	4.2	2.8	4.4	2.8	4.7	2.7
	22.5	3.5	2.6	3.6	2.7	3.8	2.7	4.0	2.7	4.1	2.8	4.3	2.8	4.6	2.7
	25.0	3.4	2.6	3.5	2.6	3.8	2.6	3.9	2.7	4.0	2.8	4.2	2.7	4.5	2.7
	27.5	3.4	2.5	3.5	2.6	3.7	2.6	3.8	2.6	3.9	2.7	4.2	2.7	4.4	2.7
	30.0	3.3	2.5	3.4	2.6	3.6	2.6	3.7	2.6	3.9	2.7	4.1	2.7	4.3	2.6
	32.5	3.3	2.5	3.3	2.5	3.5	2.5	3.7	2.6	3.8	2.7	4.0	2.6	4.2	2.6
	35.0	3.2	2.5	3.3	2.5	3.5	2.5	3.6	2.5	3.7	2.6	3.9	2.6	4.2	2.6
	37.5	3.2	2.4	3.2	2.5	3.4	2.5	3.5	2.5	3.6	2.6	3.9	2.6	4.1	2.5
	40.0	3.1	2.4	3.1	2.4	3.3	2.4	3.4	2.5	3.9	2.7	3.8	2.5	4.0	2.5
43.0	3.0	2.4	3.0	2.4	3.2	2.4	3.3	2.4	3.4	2.5	3.7	2.5	3.9	2.5	
40 (4.5)	20.0	4.4	3.3	4.5	3.4	4.9	3.4	5.0	3.5	5.2	3.6	5.5	3.6	5.9	3.5
	22.5	4.3	3.3	4.5	3.4	4.8	3.4	5.0	3.5	5.1	3.6	5.4	3.6	5.7	3.5
	25.0	4.3	3.3	4.4	3.4	4.7	3.4	4.9	3.4	5.0	3.6	5.3	3.5	5.6	3.5
	27.5	4.2	3.3	4.3	3.4	4.6	3.3	4.8	3.4	4.9	3.5	5.2	3.5	5.5	3.4
	30.0	4.1	3.2	4.2	3.3	4.5	3.3	4.7	3.4	4.8	3.5	5.1	3.4	5.4	3.4
	32.5	4.1	3.2	4.2	3.3	4.4	3.3	4.6	3.3	4.7	3.5	5.0	3.4	5.3	3.4
	35.0	4.0	3.2	4.1	3.2	4.3	3.2	4.5	3.3	4.6	3.4	4.9	3.4	5.2	3.3
	37.5	4.0	3.1	4.0	3.2	4.3	3.2	4.4	3.2	4.5	3.4	4.8	3.3	5.1	3.3
	40.0	3.9	3.1	3.9	3.2	4.2	3.1	4.3	3.2	4.9	3.5	4.7	3.3	5.0	3.2
43.0	3.8	3.1	3.8	3.1	4.1	3.1	4.2	3.2	4.3	3.3	4.6	3.2	4.8	3.2	
50 (5.6)	20.0	5.4	4.1	5.6	4.2	6.0	4.2	6.3	4.3	6.5	4.4	6.9	4.4	7.3	4.3
	22.5	5.4	4.0	5.6	4.2	6.0	4.1	6.2	4.2	6.4	4.4	6.7	4.3	7.1	4.2
	25.0	5.3	4.0	5.5	4.1	5.9	4.1	6.0	4.2	6.2	4.3	6.6	4.3	7.0	4.2
	27.5	5.2	4.0	5.4	4.1	5.7	4.0	5.9	4.1	6.1	4.3	6.5	4.2	6.9	4.1
	30.0	5.2	3.9	5.3	4.0	5.6	4.0	5.8	4.1	6.0	4.2	6.4	4.2	6.7	4.1
	32.5	5.1	3.9	5.2	4.0	5.5	3.9	5.7	4.0	5.9	4.2	6.2	4.1	6.6	4.1
	35.0	5.0	3.8	5.1	3.9	5.4	3.9	5.6	4.0	5.8	4.1	6.1	4.1	6.5	4.0
	37.5	4.9	3.8	5.0	3.9	5.3	3.8	5.5	3.9	5.7	4.1	6.0	4.0	6.3	4.0
	40.0	4.8	3.8	4.8	3.8	5.2	3.8	5.3	3.9	6.1	4.3	5.9	4.0	6.2	3.9
43.0	4.7	3.7	4.7	3.8	5.0	3.7	5.2	3.8	5.3	4.0	5.7	3.9	6.0	3.9	
63 (7.1)	20.0	6.9	5.1	7.1	5.2	7.7	5.2	8.0	5.3	8.2	5.5	8.7	5.5	9.2	5.4
	22.5	6.9	5.1	7.1	5.2	7.6	5.2	7.8	5.3	8.1	5.5	8.5	5.4	9.1	5.3
	25.0	6.8	5.0	7.0	5.2	7.4	5.1	7.7	5.2	7.9	5.4	8.4	5.3	8.9	5.2
	27.5	6.6	5.0	6.8	5.1	7.3	5.1	7.5	5.1	7.8	5.3	8.2	5.3	8.7	5.2
	30.0	6.5	4.9	6.7	5.0	7.1	5.0	7.4	5.1	7.6	5.3	8.1	5.2	8.5	5.1
	32.5	6.4	4.9	6.6	5.0	7.0	4.9	7.2	5.0	7.5	5.2	7.9	5.1	8.4	5.1
	35.0	6.3	4.8	6.4	4.9	6.8	4.9	7.1	5.0	7.3	5.2	7.7	5.1	8.2	5.0
	37.5	6.2	4.8	6.3	4.8	6.7	4.8	6.9	4.9	7.2	5.1	7.6	5.0	8.0	4.9
	40.0	6.1	4.7	6.1	4.8	6.6	4.7	6.8	4.8	7.7	5.3	7.4	5.0	7.8	4.9
43.0	6.0	4.6	6.0	4.7	6.4	4.7	6.6	4.8	6.8	4.9	7.2	4.9	7.6	4.8	
71 (8.0)	20.0	7.8	5.7	8.0	5.9	8.6	5.9	9.0	6.0	9.2	6.2	9.8	6.1	10.4	6.0
	22.5	7.7	5.7	8.0	5.9	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	6.0	10.0	5.9
	27.5	7.5	5.6	7.7	5.7	8.2	5.7	8.5	5.8	8.7	6.0	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	5.6	7.9	5.5	8.2	5.6	8.4	5.8	8.9	5.7	9.4	5.7
	35.0	7.1	5.4	7.2	5.5	7.7	5.4	8.0	5.6	8.2	5.8	8.7	5.7	9.2	5.6
	37.5	7.0	5.3	7.1	5.4	7.6	5.4	7.8	5.5	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	6.0	8.4	5.5	8.8	5.5
43.0	6.7	5.2	6.7	5.2	7.2	5.2	7.4	5.3	7.6	5.5	8.1	5.5	8.6	5.4	

PEFY-P-VMM-E

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

### PEFY-P-VMM-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
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	6.5	10.6	6.4	11.3	6.3
	27.5	8.4	6.0	8.6	6.2	9.2	6.1	9.5	6.2	9.8	6.5	10.4	6.4	11.0	6.3
	30.0	8.3	6.0	8.5	6.1	9.0	6.1	9.4	6.1	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	5.9	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	5.8	8.5	5.8	8.8	5.9	9.1	6.1	9.6	6.0	10.2	5.9
	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	5.8
43.0	7.6	5.6	7.6	5.6	8.1	5.6	8.4	5.7	8.6	5.9	9.1	5.8	9.7	5.8	
100 (11.2)	20.0	10.9	8.4	11.3	8.7	12.1	8.7	12.5	8.8	12.9	9.2	13.7	9.1	14.6	8.9
	22.5	10.8	8.4	11.2	8.7	11.9	8.6	12.3	8.8	12.7	9.1	13.5	9.0	14.3	8.8
	25.0	10.7	8.3	11.0	8.6	11.7	8.5	12.1	8.7	12.5	9.0	13.2	8.9	14.0	8.7
	27.5	10.5	8.2	10.8	8.5	11.5	8.4	11.9	8.6	12.2	8.9	13.0	8.8	13.7	8.7
	30.0	10.3	8.1	10.5	8.4	11.3	8.3	11.6	8.5	12.0	8.8	12.8	8.7	13.4	8.6
	32.5	10.1	8.1	10.4	8.3	11.0	8.2	11.4	8.4	11.8	8.7	12.4	8.6	13.2	8.5
	35.0	10.0	8.0	10.1	8.2	10.8	8.1	11.2	8.3	11.5	8.6	12.2	8.5	12.9	8.4
	37.5	9.9	7.9	9.9	8.1	10.6	8.0	10.9	8.2	11.3	8.5	12.0	8.4	12.7	8.3
	40.0	9.7	7.8	9.7	8.0	10.4	7.9	10.7	8.1	12.2	8.9	11.7	8.3	12.4	8.2
43.0	9.4	7.7	9.4	7.8	10.1	7.8	10.4	8.0	10.7	8.3	11.4	8.2	12.0	8.1	
125 (14.0)	20.0	13.6	10.3	14.1	10.6	15.1	10.6	15.7	10.8	16.2	11.2	17.2	11.1	18.2	10.9
	22.5	13.5	10.3	14.0	10.6	14.9	10.5	15.4	10.7	15.9	11.1	16.8	11.0	17.9	10.8
	25.0	13.4	10.2	13.7	10.5	14.6	10.4	15.1	10.6	15.6	11.0	16.5	10.8	17.5	10.7
	27.5	13.1	10.1	13.4	10.3	14.4	10.3	14.8	10.5	15.3	10.9	16.2	10.7	17.2	10.6
	30.0	12.9	10.0	13.2	10.2	14.1	10.2	14.6	10.4	15.0	10.7	16.0	10.6	16.8	10.4
	32.5	12.7	9.9	13.0	10.1	13.8	10.0	14.3	10.2	14.7	10.6	15.5	10.5	16.5	10.3
	35.0	12.5	9.8	12.7	10.0	13.4	9.9	14.0	10.1	14.4	10.5	15.3	10.4	16.2	10.2
	37.5	12.3	9.7	12.4	9.9	13.2	9.8	13.7	10.0	14.1	10.4	15.0	10.3	15.8	10.1
	40.0	12.1	9.6	12.1	9.7	13.0	9.7	13.4	9.9	15.2	10.8	14.6	10.1	15.5	10.0
43.0	11.8	9.4	11.8	9.6	12.6	9.5	13.0	9.7	13.4	10.1	14.2	10.0	15.1	9.8	
140 (16.0)	20.0	15.5	11.4	16.1	11.8	17.3	11.8	17.9	12.0	18.5	12.4	19.6	12.3	20.8	12.1
	22.5	15.4	11.4	16.0	11.8	17.0	11.7	17.6	11.8	18.2	12.3	19.2	12.1	20.4	11.9
	25.0	15.3	11.3	15.7	11.6	16.7	11.5	17.3	11.7	17.8	12.1	18.9	12.0	20.0	11.8
	27.5	15.0	11.2	15.4	11.5	16.4	11.4	17.0	11.6	17.5	12.0	18.5	11.8	19.6	11.6
	30.0	14.7	11.0	15.0	11.3	16.1	11.2	16.6	11.4	17.1	11.9	18.2	11.7	19.2	11.5
	32.5	14.5	10.9	14.8	11.2	15.8	11.1	16.3	11.3	16.8	11.7	17.8	11.5	18.8	11.4
	35.0	14.2	10.8	14.5	11.0	15.4	10.9	16.0	11.2	16.5	11.6	17.4	11.4	18.5	11.2
	37.5	14.1	10.7	14.2	10.9	15.1	10.8	15.6	11.0	16.2	11.5	17.1	11.3	18.1	11.1
	40.0	13.8	10.6	13.8	10.7	14.8	10.7	15.3	10.9	17.4	12.0	16.7	11.2	17.7	11.0
43.0	13.4	10.4	13.4	10.5	14.4	10.5	14.9	10.7	15.3	11.1	16.2	11.0	17.2	10.8	

**PEFY-P-VMM-E**



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

### PEFY-P-VMM-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	
140 (16.0)	-20.0	9.4	9.0	9.0	8.6
	-15.0	10.8	10.8	10.8	10.4
	-10.0	12.6	12.6	12.3	11.5
	-5.0	14.4	14.4	13.5	11.5
	0.0	16.2	16.2	13.5	11.5
	2.5	17.2	17.0	13.5	11.5
	6.0	18.5	18.0	13.5	11.5
	7.5	19.1	18.0	13.5	11.5
	10.0	19.9	18.0	13.5	11.5
	12.5	20.7	18.0	13.5	11.5
15.5	20.7	18.0	13.5	11.5	

PEFY-P-VMM-E

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

PEFY-P-VMM-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
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	2.6	3.5	2.6	3.7	2.6	3.9	2.6	4.0	2.8	4.2	2.7	4.5	2.7
	22.5	3.4	2.5	3.5	2.6	3.7	2.6	3.8	2.6	4.0	2.7	4.2	2.7	4.5	2.7
	25.0	3.3	2.5	3.4	2.6	3.7	2.6	3.8	2.6	3.9	2.7	4.2	2.7	4.4	2.7
	27.5	3.3	2.5	3.4	2.6	3.6	2.6	3.7	2.6	3.9	2.7	4.1	2.7	4.3	2.6
	30.0	3.3	2.5	3.3	2.6	3.6	2.5	3.7	2.6	3.9	2.7	4.1	2.7	4.4	2.6
	32.5	3.2	2.5	3.3	2.5	3.5	2.5	3.6	2.6	3.8	2.7	4.1	2.7	4.3	2.6
	35.0	3.2	2.5	3.3	2.5	3.5	2.5	3.6	2.5	3.7	2.7	4.0	2.6	4.3	2.6
	37.5	3.2	2.4	3.2	2.5	3.5	2.5	3.5	2.5	3.7	2.6	4.0	2.6	4.2	2.6
	40.0	3.1	2.4	3.2	2.5	3.4	2.5	3.5	2.5	3.7	2.6	4.0	2.6	4.2	2.6
43.0	3.1	2.4	3.2	2.5	3.4	2.5	3.5	2.5	3.6	2.6	3.9	2.6	4.2	2.6	
40 (4.5)	20.0	4.3	3.3	4.4	3.4	4.7	3.4	4.8	3.4	5.0	3.6	5.3	3.5	5.7	3.5
	22.5	4.2	3.3	4.3	3.4	4.6	3.3	4.8	3.4	5.0	3.5	5.3	3.5	5.6	3.5
	25.0	4.2	3.2	4.3	3.3	4.6	3.3	4.7	3.4	4.9	3.5	5.2	3.5	5.6	3.4
	27.5	4.1	3.2	4.2	3.3	4.5	3.3	4.7	3.4	4.9	3.5	5.2	3.5	5.4	3.4
	30.0	4.1	3.2	4.2	3.3	4.5	3.3	4.6	3.3	4.8	3.5	5.1	3.4	5.4	3.4
	32.5	4.1	3.2	4.1	3.3	4.4	3.2	4.5	3.3	4.8	3.5	5.1	3.4	5.4	3.4
	35.0	4.0	3.2	4.1	3.2	4.4	3.2	4.5	3.3	4.7	3.4	5.0	3.4	5.4	3.4
	37.5	4.0	3.1	4.0	3.2	4.3	3.2	4.4	3.3	4.7	3.4	5.0	3.4	5.3	3.4
	40.0	3.9	3.1	4.0	3.2	4.3	3.2	4.4	3.2	4.6	3.4	5.0	3.4	5.3	3.3
43.0	3.9	3.1	3.9	3.2	4.2	3.2	4.3	3.2	4.5	3.4	4.9	3.3	5.2	3.3	
50 (5.6)	20.0	5.3	4.0	5.5	4.1	5.8	4.1	6.0	4.1	6.2	4.3	6.6	4.3	7.1	4.2
	22.5	5.3	4.0	5.4	4.1	5.8	4.1	5.9	4.1	6.2	4.3	6.6	4.3	7.0	4.2
	25.0	5.2	3.9	5.3	4.1	5.7	4.0	5.9	4.1	6.1	4.3	6.5	4.2	6.9	4.2
	27.5	5.2	3.9	5.3	4.0	5.7	4.0	5.8	4.1	6.0	4.2	6.4	4.2	6.7	4.1
	30.0	5.1	3.9	5.2	4.0	5.6	4.0	5.8	4.0	6.0	4.2	6.4	4.2	6.8	4.1
	32.5	5.0	3.9	5.2	4.0	5.5	3.9	5.7	4.0	5.9	4.2	6.3	4.2	6.7	4.1
	35.0	5.0	3.8	5.1	3.9	5.5	3.9	5.6	4.0	5.8	4.2	6.3	4.1	6.7	4.1
	37.5	4.9	3.8	5.0	3.9	5.4	3.9	5.5	3.9	5.8	4.1	6.2	4.1	6.6	4.1
	40.0	4.8	3.8	5.0	3.9	5.3	3.9	5.4	3.9	5.7	4.1	6.2	4.1	6.6	4.0
43.0	4.8	3.8	4.9	3.8	5.3	3.8	5.4	3.9	5.7	4.1	6.0	4.0	6.5	4.0	
63 (7.1)	20.0	6.7	5.0	6.9	5.1	7.4	5.1	7.6	5.2	7.9	5.4	8.4	5.3	8.9	5.3
	22.5	6.7	5.0	6.9	5.1	7.3	5.1	7.5	5.1	7.8	5.4	8.3	5.3	8.8	5.2
	25.0	6.6	4.9	6.8	5.1	7.2	5.0	7.5	5.1	7.7	5.3	8.2	5.3	8.8	5.2
	27.5	6.5	4.9	6.7	5.0	7.2	5.0	7.4	5.1	7.7	5.3	8.2	5.2	8.5	5.1
	30.0	6.5	4.9	6.6	5.0	7.1	5.0	7.3	5.1	7.6	5.3	8.1	5.2	8.6	5.1
	32.5	6.4	4.8	6.5	5.0	7.0	4.9	7.2	5.0	7.5	5.2	8.0	5.2	8.5	5.1
	35.0	6.3	4.8	6.4	4.9	6.9	4.9	7.1	5.0	7.4	5.2	8.0	5.2	8.4	5.1
	37.5	6.2	4.8	6.4	4.9	6.8	4.9	7.0	4.9	7.3	5.2	7.8	5.1	8.4	5.1
	40.0	6.1	4.7	6.3	4.8	6.8	4.8	6.9	4.9	7.2	5.1	7.8	5.1	8.3	5.0
43.0	6.1	4.7	6.2	4.8	6.7	4.8	6.8	4.9	7.2	5.1	7.7	5.1	8.2	5.0	
71 (8.0)	20.0	7.6	5.6	7.8	5.8	8.3	5.7	8.6	5.8	8.9	6.1	9.4	6.0	10.1	5.9
	22.5	7.5	5.6	7.7	5.7	8.2	5.7	8.5	5.8	8.8	6.0	9.4	5.9	10.0	5.9
	25.0	7.4	5.5	7.6	5.7	8.2	5.6	8.4	5.7	8.7	6.0	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	5.9	9.6	5.7
	30.0	7.3	5.5	7.4	5.6	8.0	5.6	8.2	5.7	8.6	5.9	9.1	5.8	9.7	5.8
	32.5	7.2	5.4	7.4	5.5	7.8	5.5	8.1	5.6	8.5	5.9	9.0	5.8	9.6	5.7
	35.0	7.1	5.4	7.2	5.5	7.8	5.5	8.0	5.6	8.3	5.8	9.0	5.8	9.5	5.7
	37.5	7.0	5.3	7.2	5.5	7.7	5.4	7.9	5.5	8.3	5.8	8.8	5.7	9.4	5.7
	40.0	6.9	5.3	7.1	5.4	7.6	5.4	7.8	5.5	8.2	5.7	8.8	5.7	9.4	5.6
43.0	6.9	5.3	7.0	5.4	7.5	5.4	7.7	5.4	8.1	5.7	8.6	5.7	9.3	5.6	

PEFY-P-VMM-E

## Cooling capacity in combination with PUHY,PURY-P500,650YGM

PEFY-P-VMM-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
80 (9.0)	20.0	8.5	6.1	8.8	6.2	9.4	6.2	9.6	6.3	10.0	6.5	10.6	6.4	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	6.4	10.4	6.4	11.1	6.3
	27.5	8.3	6.0	8.5	6.1	9.1	6.1	9.4	6.1	9.7	6.4	10.4	6.3	10.8	6.2
	30.0	8.2	5.9	8.4	6.0	9.0	6.0	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	5.9	8.8	5.9	9.0	6.0	9.4	6.2	10.1	6.2	10.7	6.1
	37.5	7.9	5.8	8.1	5.9	8.6	5.9	8.9	5.9	9.3	6.2	9.9	6.2	10.6	6.1
	40.0	7.8	5.7	8.0	5.8	8.6	5.8	8.7	5.9	9.2	6.2	9.9	6.1	10.5	6.1
43.0	7.7	5.7	7.9	5.8	8.5	5.8	8.6	5.8	9.1	6.1	9.7	6.1	10.4	6.0	
100 (11.2)	20.0	10.6	8.3	10.9	8.5	11.6	8.5	12.0	8.6	12.5	9.0	13.2	8.9	14.1	8.8
	22.5	10.5	8.2	10.8	8.5	11.5	8.4	11.9	8.6	12.3	8.9	13.2	8.9	13.9	8.7
	25.0	10.4	8.2	10.7	8.4	11.4	8.4	11.8	8.5	12.2	8.9	13.0	8.8	13.8	8.7
	27.5	10.3	8.1	10.5	8.4	11.3	8.3	11.6	8.5	12.1	8.9	12.9	8.8	13.4	8.6
	30.0	10.2	8.1	10.4	8.3	11.2	8.3	11.5	8.4	12.0	8.8	12.8	8.7	13.6	8.6
	32.5	10.1	8.0	10.3	8.3	11.0	8.2	11.3	8.3	11.9	8.8	12.7	8.7	13.4	8.6
	35.0	10.0	8.0	10.1	8.2	10.9	8.2	11.2	8.3	11.6	8.7	12.5	8.6	13.3	8.5
	37.5	9.9	7.9	10.0	8.1	10.8	8.1	11.0	8.2	11.6	8.7	12.4	8.6	13.2	8.5
	40.0	9.7	7.8	9.9	8.1	10.7	8.1	10.9	8.2	11.4	8.6	12.3	8.6	13.1	8.4
43.0	9.6	7.8	9.8	8.0	10.5	8.0	10.8	8.1	11.3	8.5	12.1	8.5	13.0	8.4	
125 (14.0)	20.0	13.2	10.1	13.7	10.4	14.6	10.4	15.0	10.5	15.6	11.0	16.5	10.8	17.6	10.7
	22.5	13.2	10.1	13.5	10.4	14.4	10.3	14.8	10.5	15.4	10.9	16.5	10.8	17.4	10.7
	25.0	13.0	10.0	13.4	10.3	14.3	10.2	14.7	10.4	15.3	10.9	16.2	10.7	17.3	10.6
	27.5	12.9	10.0	13.2	10.2	14.1	10.2	14.6	10.4	15.1	10.8	16.1	10.7	16.8	10.4
	30.0	12.7	9.9	13.0	10.1	14.0	10.1	14.4	10.3	15.0	10.7	16.0	10.6	16.9	10.5
	32.5	12.6	9.8	12.9	10.1	13.7	10.0	14.1	10.2	14.8	10.7	15.8	10.6	16.8	10.4
	35.0	12.5	9.8	12.7	10.0	13.7	10.0	14.0	10.1	14.6	10.6	15.7	10.5	16.7	10.4
	37.5	12.3	9.7	12.6	9.9	13.4	9.9	13.8	10.0	14.5	10.5	15.5	10.4	16.5	10.3
	40.0	12.1	9.6	12.4	9.9	13.4	9.9	13.6	9.9	14.3	10.5	15.4	10.4	16.4	10.3
43.0	12.0	9.6	12.3	9.8	13.2	9.8	13.4	9.9	14.1	10.4	15.1	10.3	16.2	10.2	
140 (16.0)	20.0	15.1	11.2	15.6	11.6	16.6	11.5	17.1	11.6	17.8	12.2	18.9	12.0	20.2	11.9
	22.5	15.0	11.2	15.4	11.5	16.5	11.4	17.0	11.6	17.6	12.1	18.8	12.0	19.9	11.8
	25.0	14.9	11.1	15.3	11.4	16.3	11.3	16.8	11.5	17.4	12.0	18.6	11.9	19.8	11.7
	27.5	14.7	11.0	15.0	11.3	16.2	11.3	16.6	11.4	17.3	11.9	18.4	11.8	19.2	11.5
	30.0	14.6	11.0	14.9	11.2	16.0	11.2	16.5	11.4	17.1	11.9	18.2	11.7	19.4	11.6
	32.5	14.4	10.9	14.7	11.1	15.7	11.1	16.2	11.2	17.0	11.8	18.1	11.7	19.2	11.5
	35.0	14.2	10.8	14.5	11.0	15.6	11.0	16.0	11.2	16.6	11.7	17.9	11.6	19.0	11.4
	37.5	14.1	10.7	14.4	11.0	15.4	10.9	15.8	11.1	16.6	11.6	17.7	11.5	18.9	11.4
	40.0	13.8	10.6	14.2	10.9	15.3	10.9	15.5	11.0	16.3	11.5	17.6	11.5	18.7	11.3
43.0	13.8	10.6	14.0	10.8	15.0	10.8	15.4	10.9	16.2	11.5	17.3	11.4	18.6	11.3	

PEFY-P-VMM-E

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

**PEFY-P-VMM-E**

SHC:Sensible Heat Capacity(kW)

Unit size (Rated kW)	Outdoor air temp. °CWB	Indoor air temp.:°CDB			
		15.0 SHC	20.0 SHC	25.0 SHC	27.0 SHC
20 (2.2)	-20.0	1.3	1.3	1.3	1.3
	-15.0	1.6	1.5	1.5	1.5
	-10.0	1.8	1.8	1.7	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	

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	5.3	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	
140 (16.0)	-20.0	9.5	9.2	9.2	9.0
	-15.0	11.3	10.9	10.8	10.4
	-10.0	13.0	12.6	12.2	11.9
	-5.0	14.8	14.4	13.9	12.7
	0.0	16.6	16.2	14.3	12.7
	2.5	17.3	17.1	14.3	12.7
	6.0	18.5	18.0	14.3	12.7
	7.5	19.1	18.0	14.3	12.7
	10.0	20.0	18.0	14.3	12.7
	12.5	20.9	18.0	14.3	12.7
15.5	20.9	18.0	14.3	12.7	

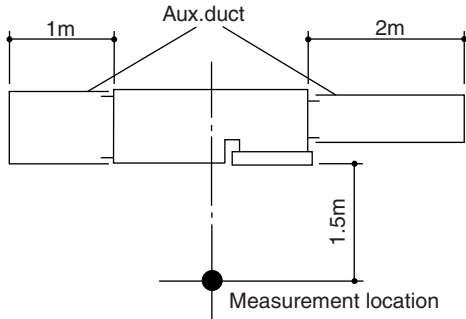
**PEFY-P-VMM-E**



# 3. Sound Levels

## 3.1 Noise levels(VMM-E)

Ceiling concealed (VMM-E series)



PEFY-P-VMM-E

Noise level at anechoic room (Low-Mid-High)

Unit : dB(A)

Model	External static pressure*		
	Low	Mid	High
PEFY-P20VMM-E PEFY-P25VMM-E	23-28-31	27-30-32	29-34-39
PEFY-P32VMM-E	26-30-33	28-32-35	32-36-39
PEFY-P40VMM-E	29-32-35	31-34-37	33-37-41
PEFY-P50VMM-E	29-34-37	31-35-38	34-38-41
PEFY-P63VMM-E	30-34-37	31-35-38	34-38-41
PEFY-P71VMM-E PEFY-P80VMM-E	31-34-37	32-36-39	35-39-42
PEFY-P100VMM-E	40-44	-	43-47
PEFY-P125VMM-E	42-45	-	44-47
PEFY-P140VMM-E	42-45	-	44-47

\* PEFY-P20~80VMM-E

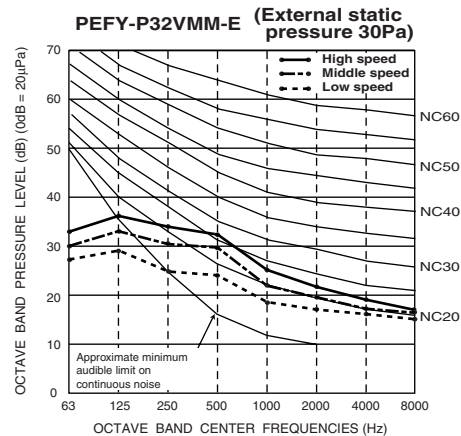
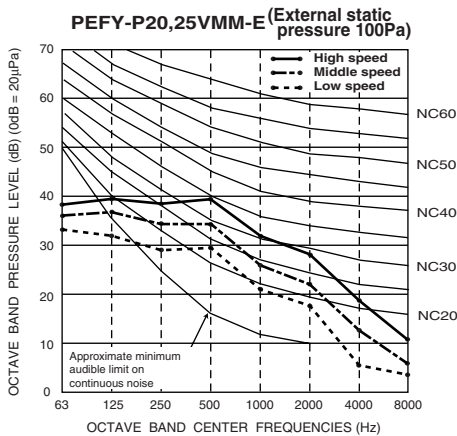
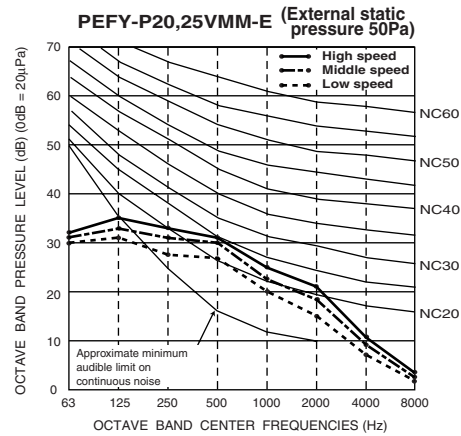
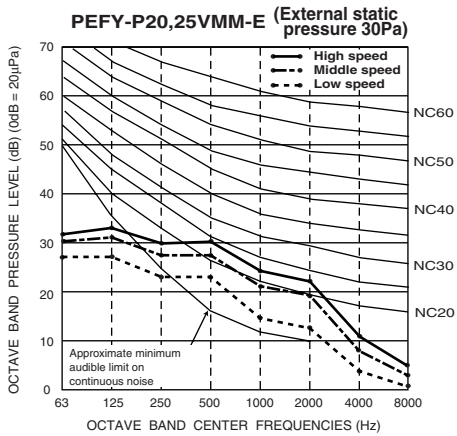
Low : 30Pa Mid : 50Pa High : 100Pa

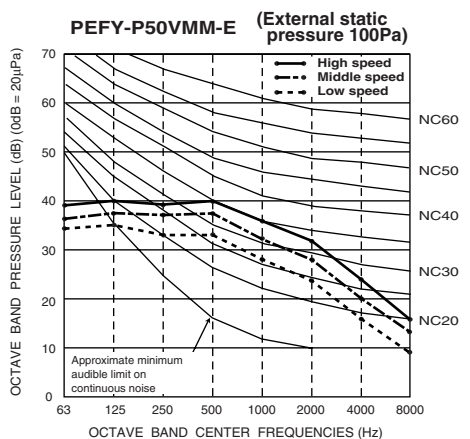
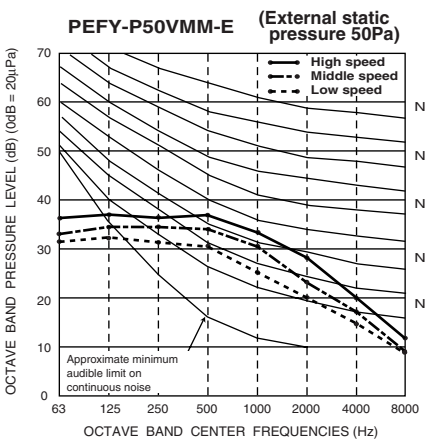
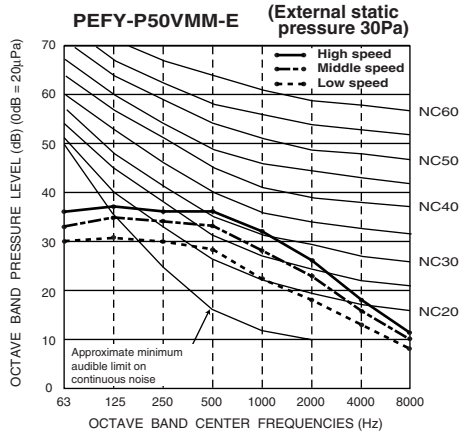
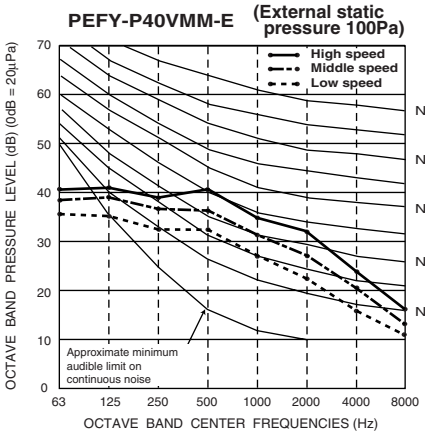
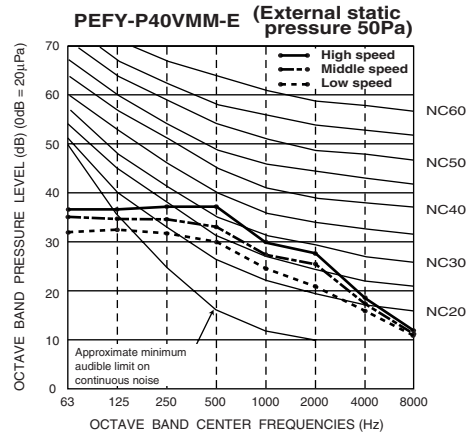
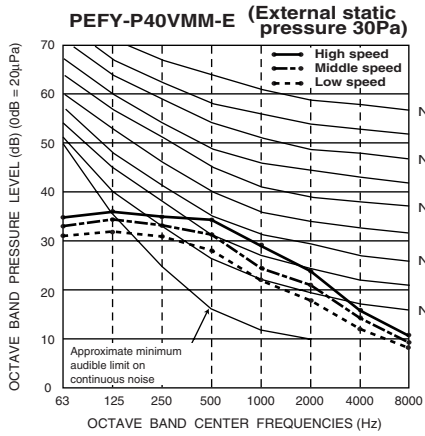
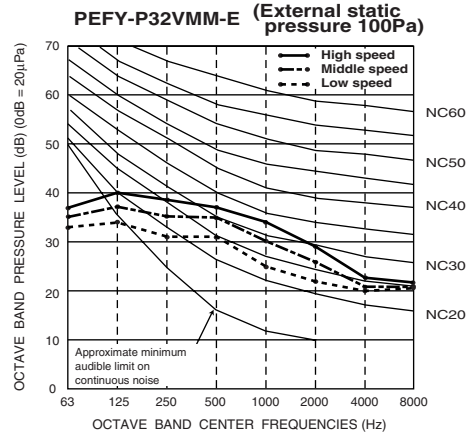
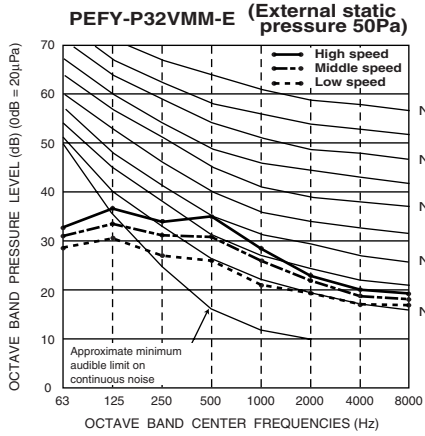
\* PEFY-P100~140VMM-E

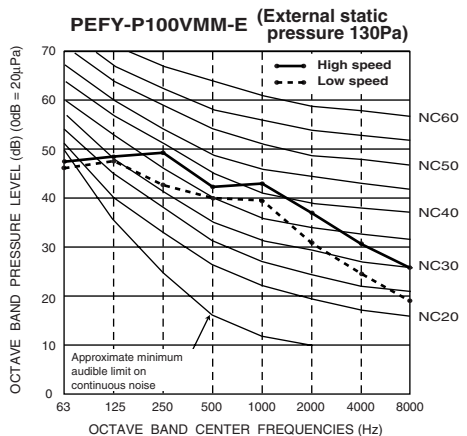
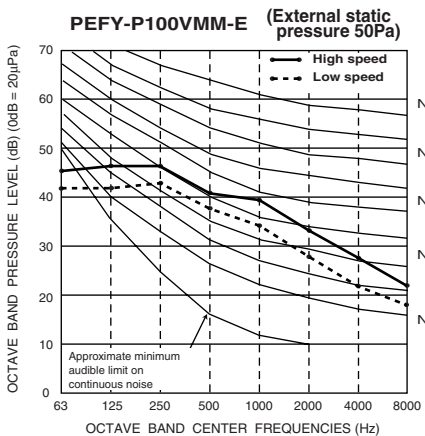
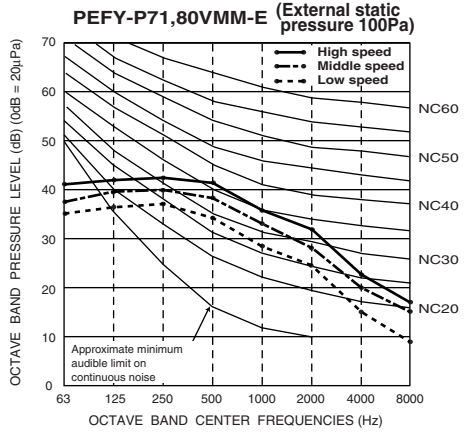
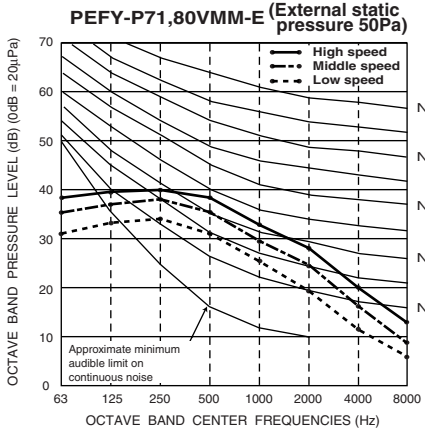
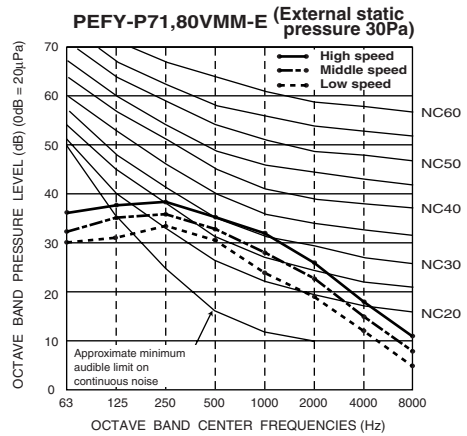
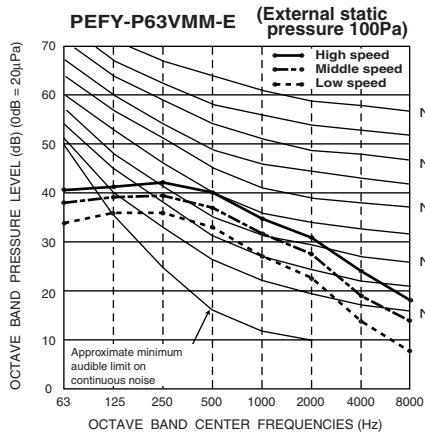
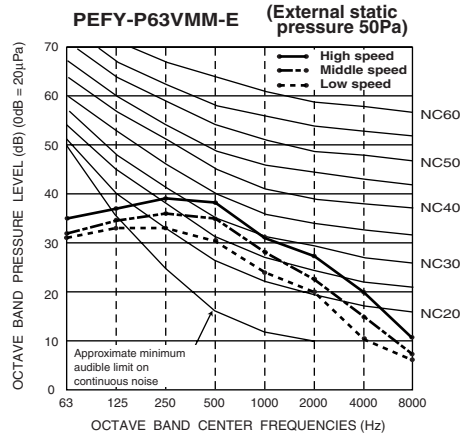
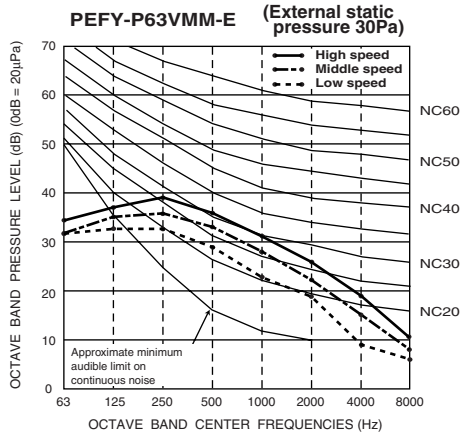
Low : 50Pa High : 130Pa

## 3.2 NC curves(VMM-E)

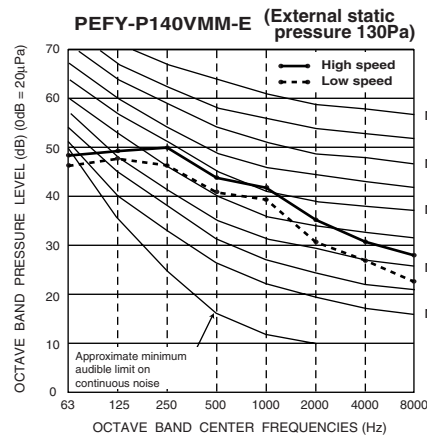
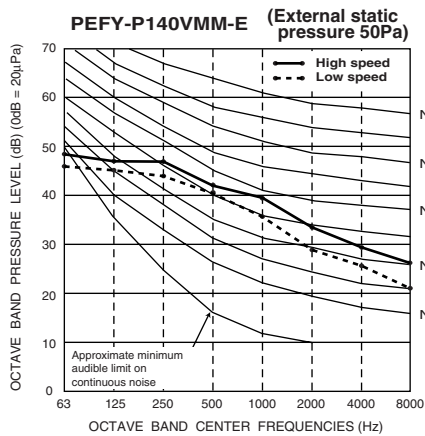
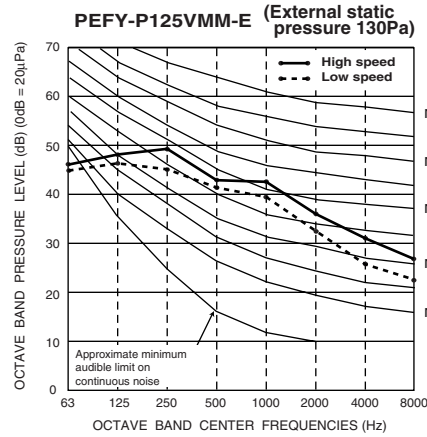
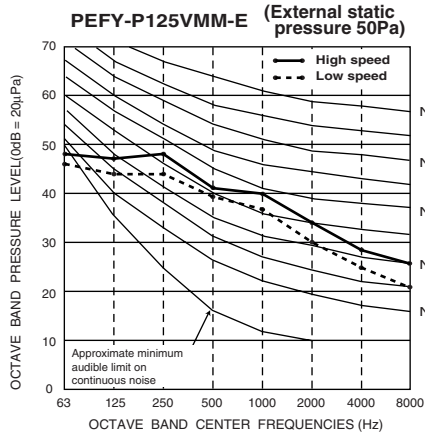
### 1) Back inlet



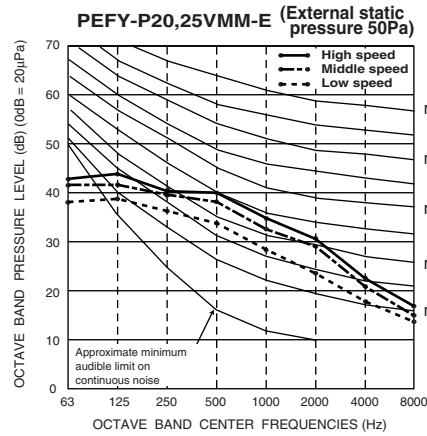
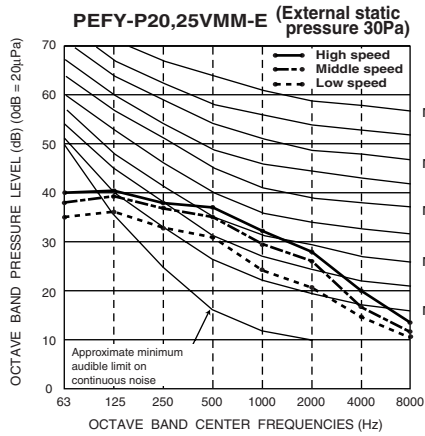


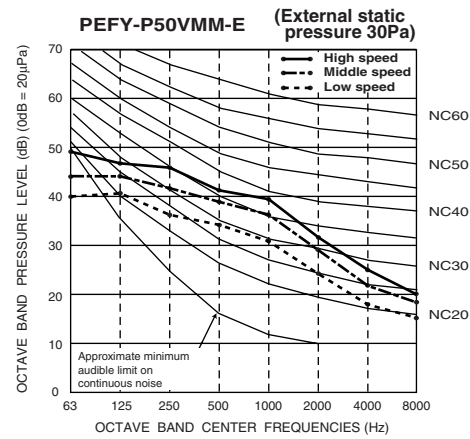
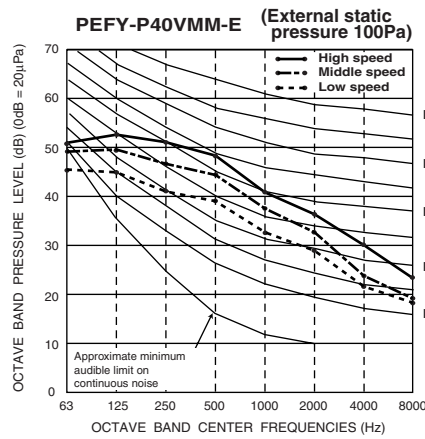
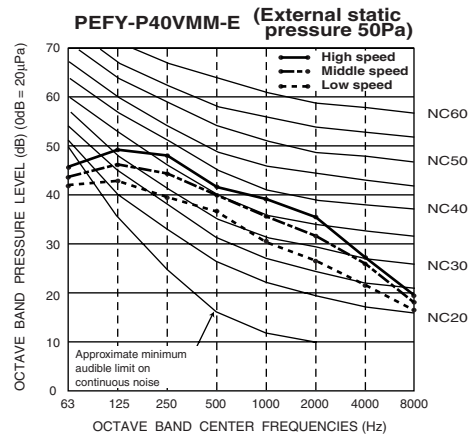
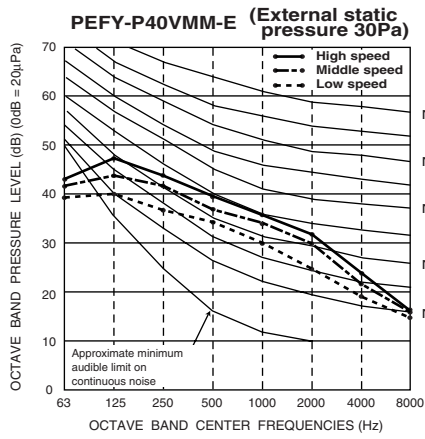
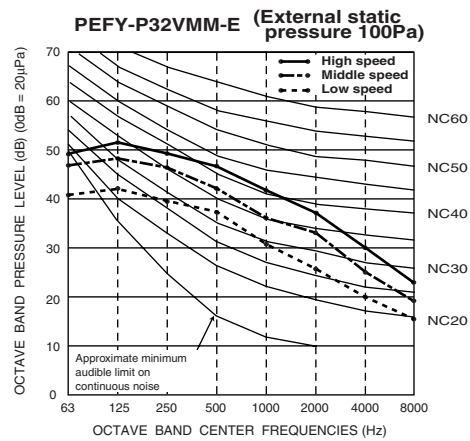
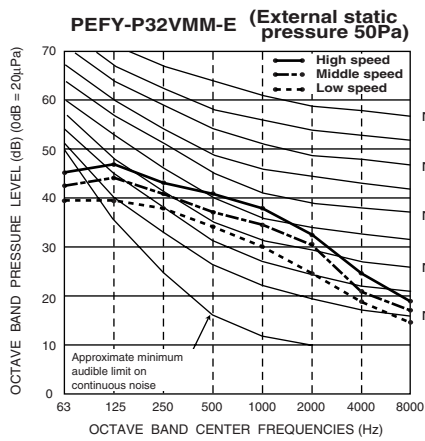
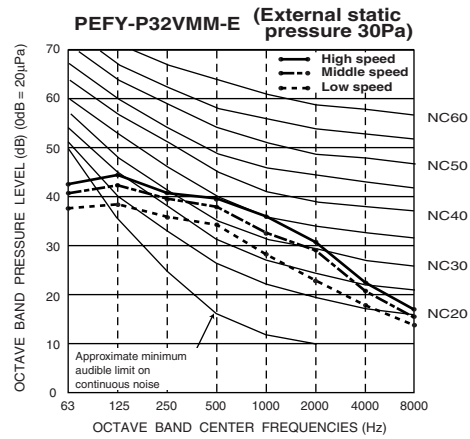
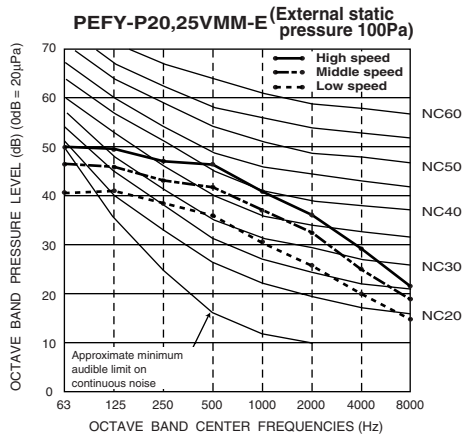


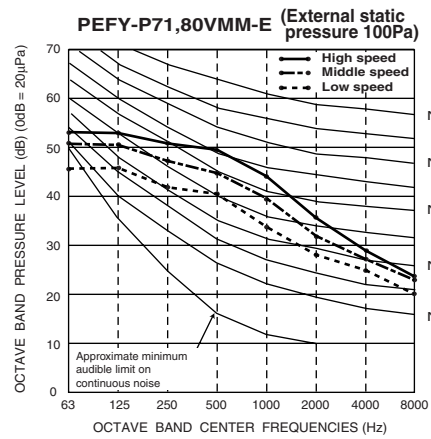
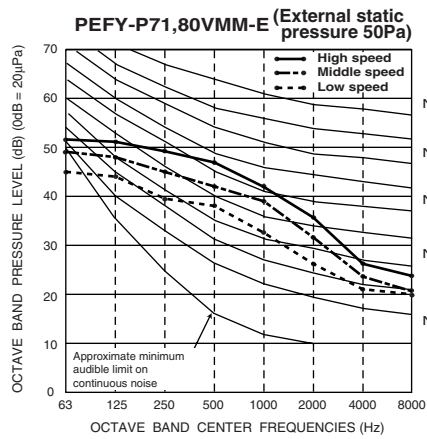
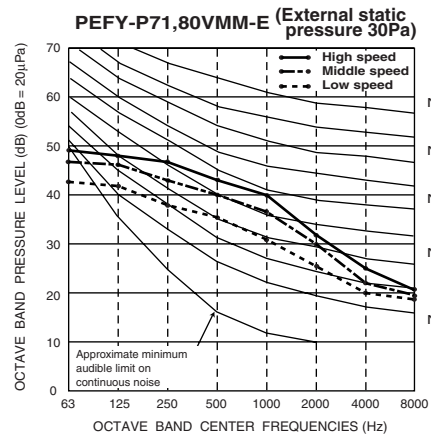
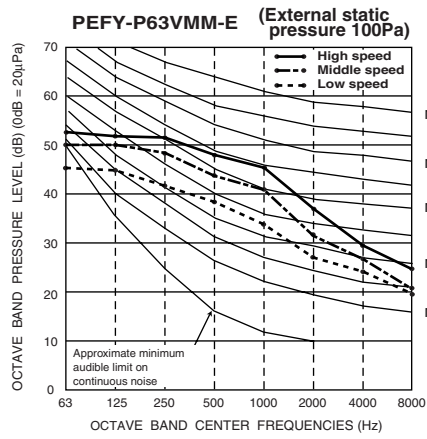
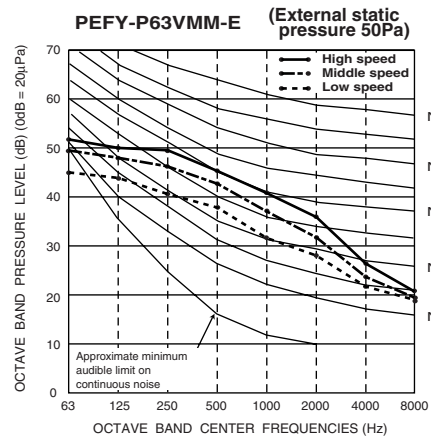
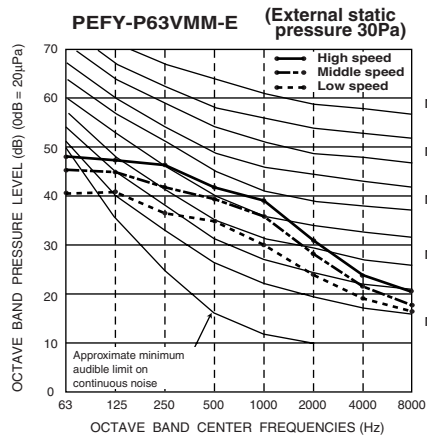
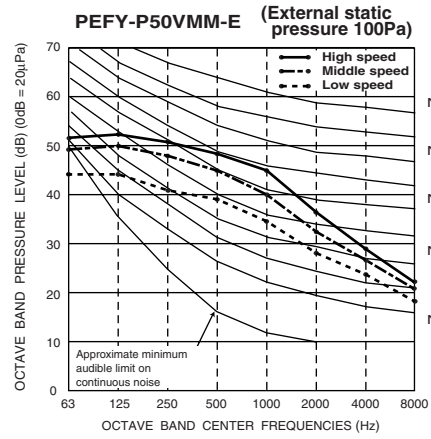
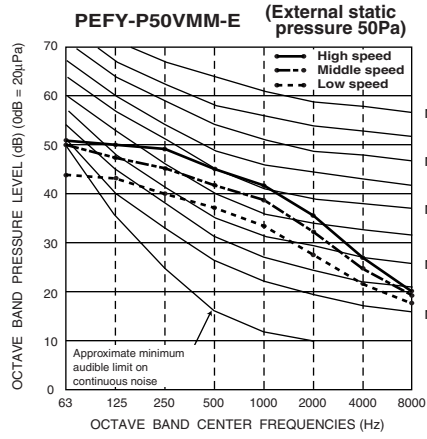


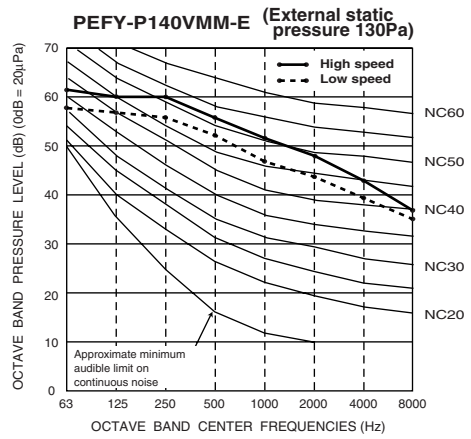
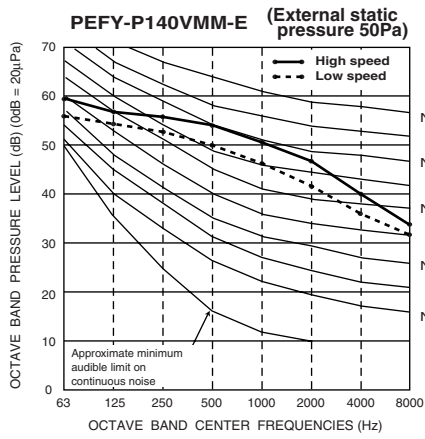
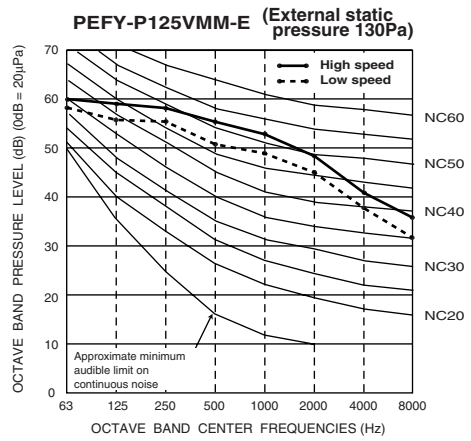
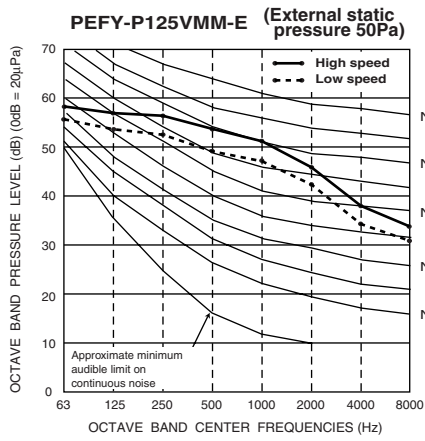
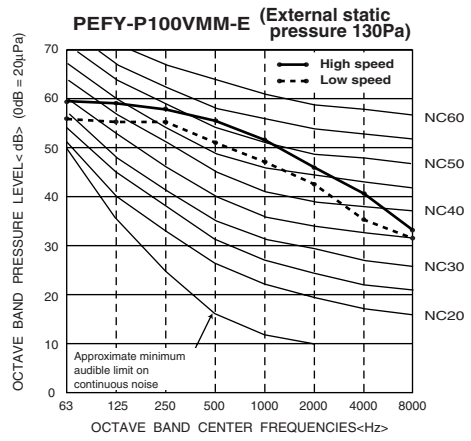
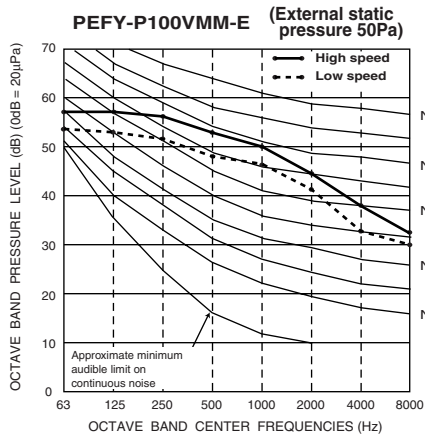


## 2) Bottom inlet



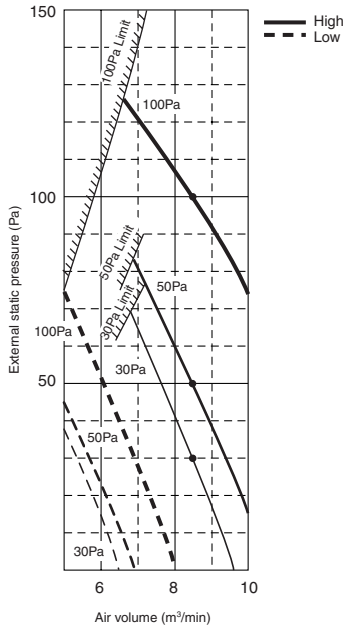




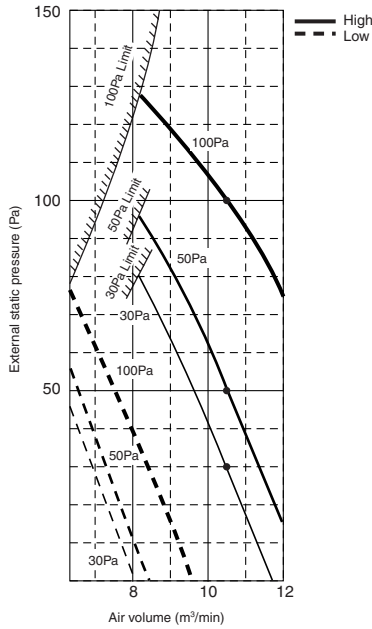


### 3.3 Fan characteristics curves(VMM-E)

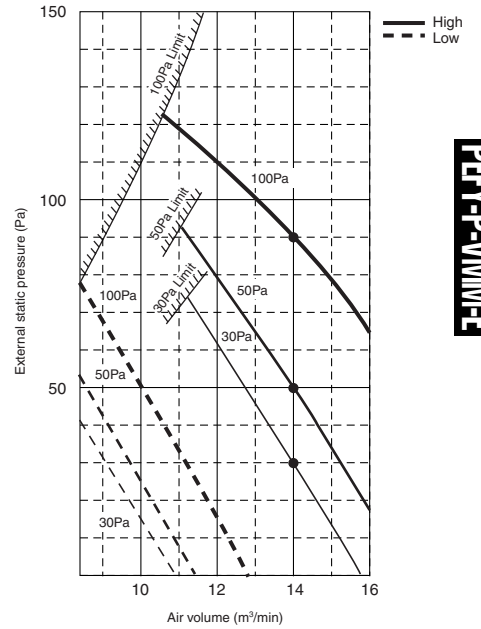
**PEFY-P20,25VMM-E**  
 External static pressure : 30,50,100Pa  
 Power source : 220-240(V)



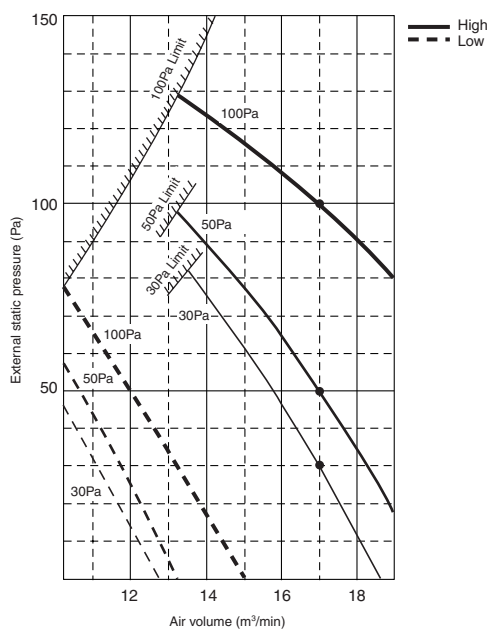
**PEFY-P32VMM-E**  
 External static pressure : 30,50,100Pa  
 Power source : 220-240(V)



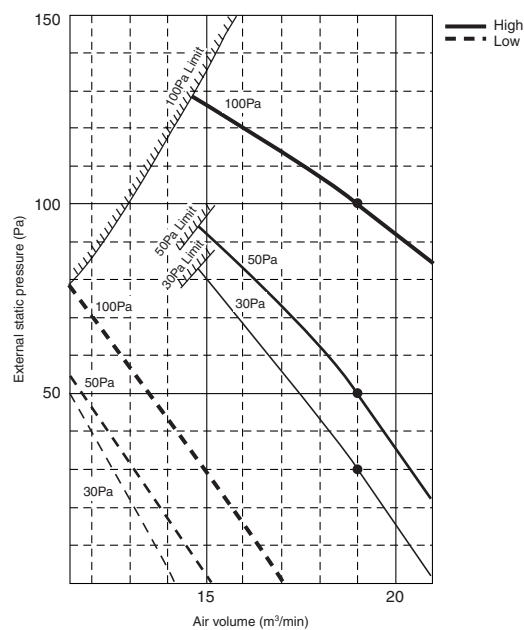
**PEFY-P40VMM-E**  
 External static pressure : 30,50,100Pa  
 Power source : 220-240(V)



**PEFY-P50VMM-E**  
 External static pressure : 30,50,100Pa  
 Power source : 220-240(V)



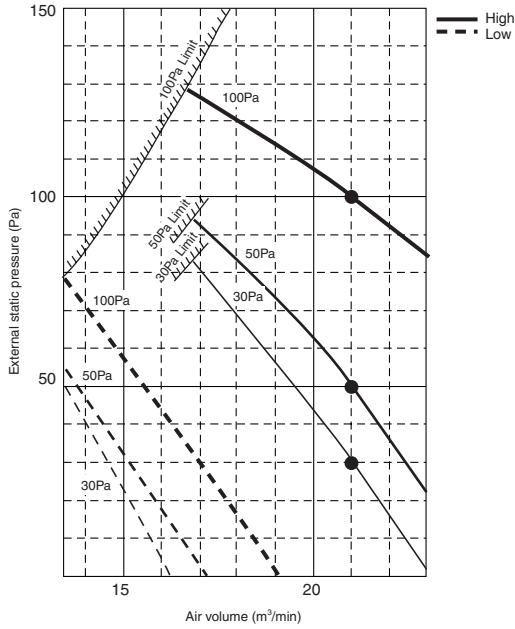
**PEFY-P63VMM-E**  
 External static pressure : 30,50,100Pa  
 Power source : 220-240(V)



**PEFY-P-VMM-E**

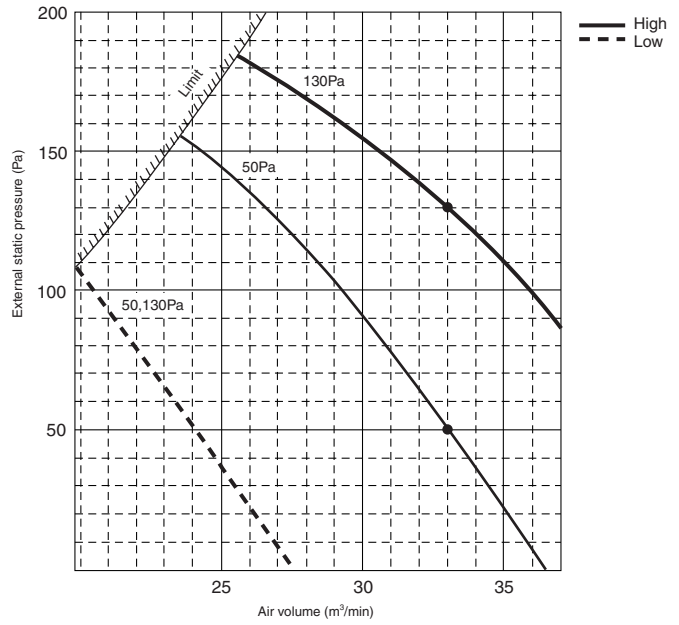
**PEFY-P71,80VMM-E**

External static pressure : 30,50,100Pa  
Power source : 220-240(V)



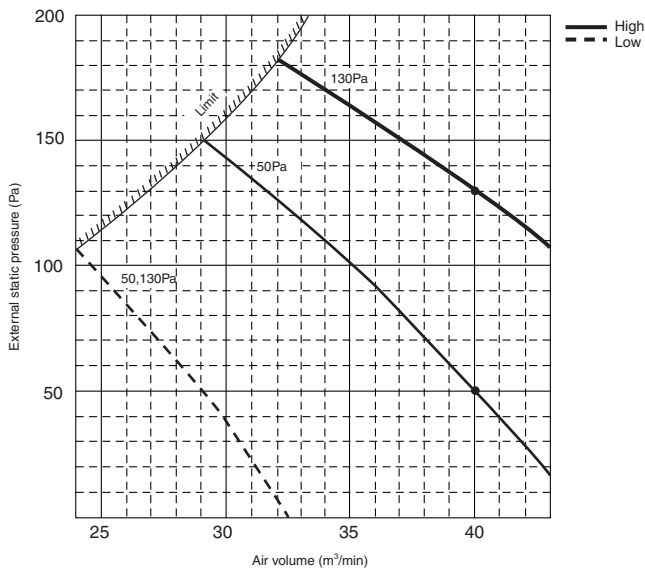
**PEFY-P100VMM-E**

External static pressure : 50,130Pa  
Power source : 220-240(V)



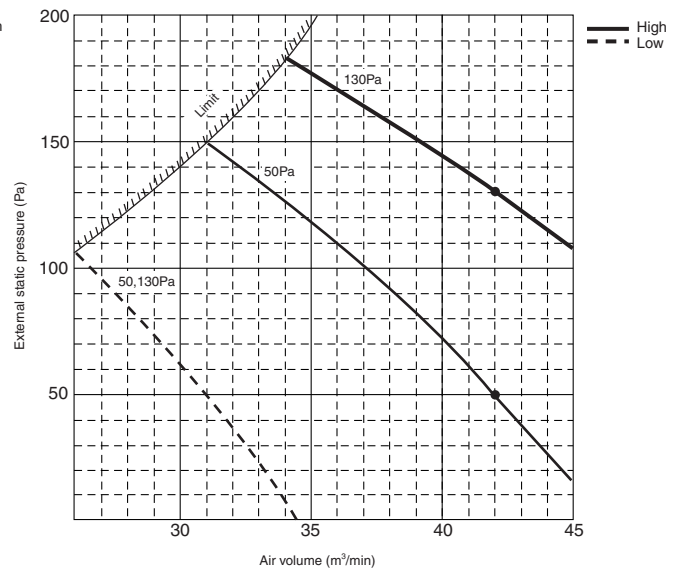
**PEFY-P125VMM-E**

External static pressure : 50,130Pa  
Power source : 220-240(V)

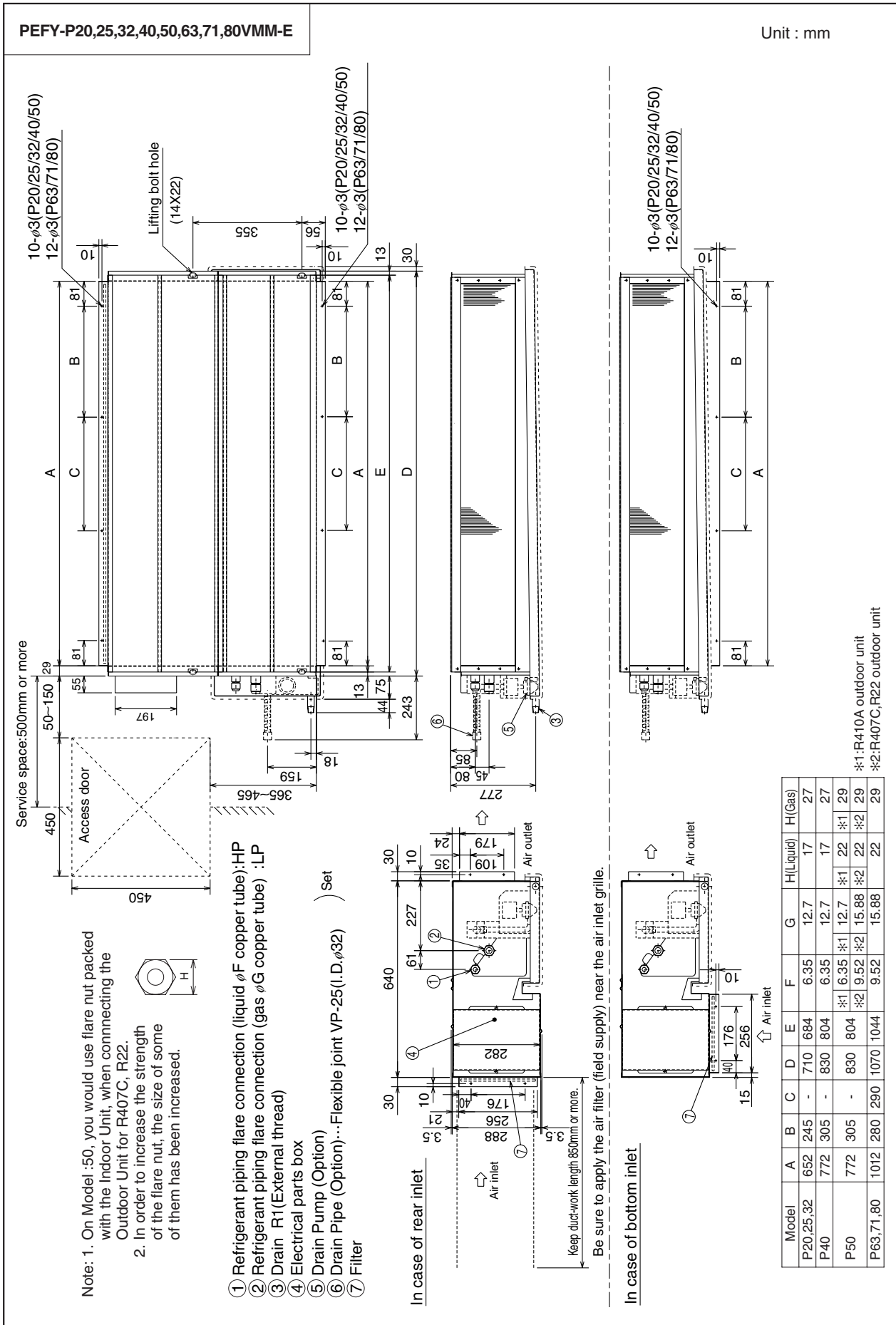


**PEFY-P140VMM-E**

External static pressure : 50,130Pa  
Power source : 220-240(V)



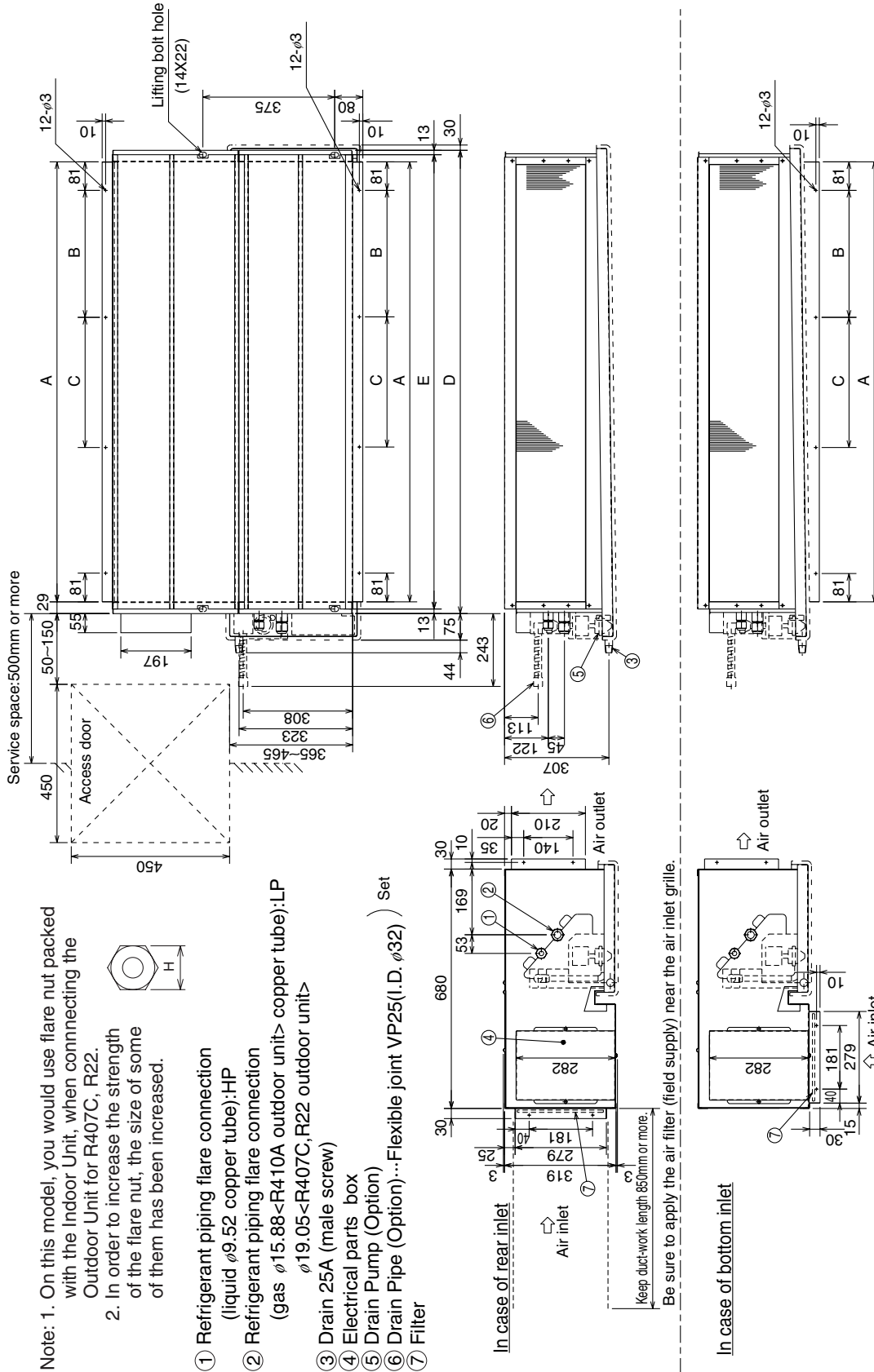
# 4. External Dimensions





PEFY-P100,125,140VMM-E

Unit : mm



Note: 1. On this model, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.  
 2. In order to increase the strength of the flare nut, the size of some of them has been increased.

- ① Refrigerant piping flare connection (liquid φ9.52 copper tube):HP
- ② Refrigerant piping flare connection (gas φ15.88<R410A outdoor unit> copper tube):LP φ19.05<R407C, R22 outdoor unit>
- ③ Drain 25A (male screw)
- ④ Electrical parts box
- ⑤ Drain Pump (Option)
- ⑥ Drain Pipe (Option)...Flexible joint VP25(I.D. φ32) Set
- ⑦ Filter

In case of rear inlet  
 Air inlet  
 Air outlet  
 Keep duct-work length 850mm or more.  
 Be sure to apply the air filter (field supply) near the air inlet grille.

In case of bottom inlet  
 Air inlet  
 Air outlet

Model	A	B	C	D	E	F(Liquid)	F(Gas)
P100-125	1252	360	370	1310	1284	22	36
P140	1552	460	470	1610	1584	22	36



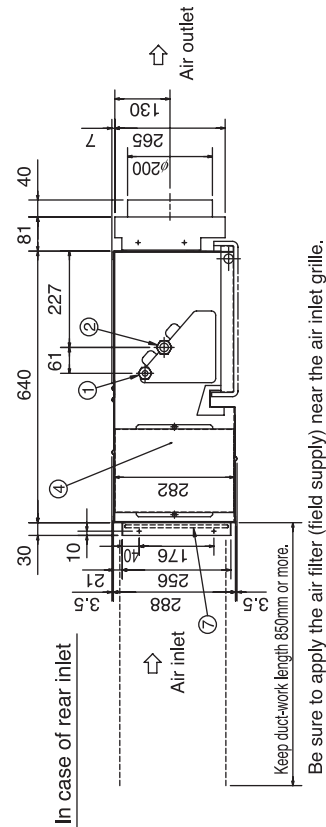
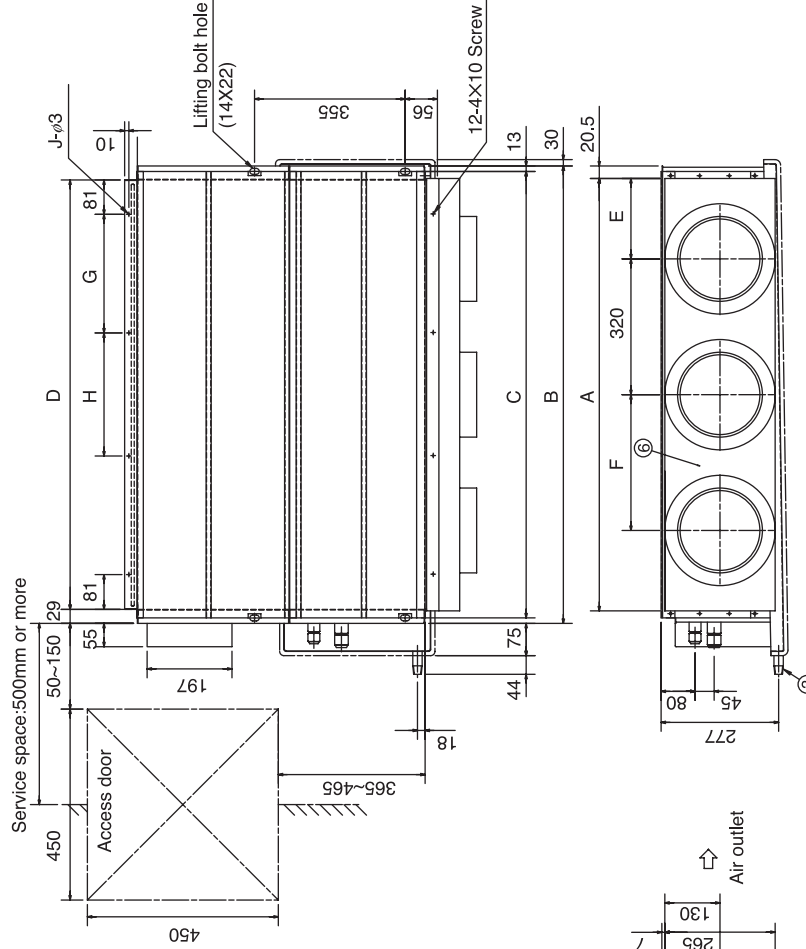
PEFY-P20,25,32,40,50,61,71,80VMM-E  
with circular duct flange

Unit : mm

Model	A	B	C	D	E	F	G	H	J
P20,25,32	669	710	684	652	174.5	—	245	—	10
P40,50	789	830	804	772	234.5	—	305	—	10
P63,71,80	1029	1070	1044	1012	194.5	320	280	290	12

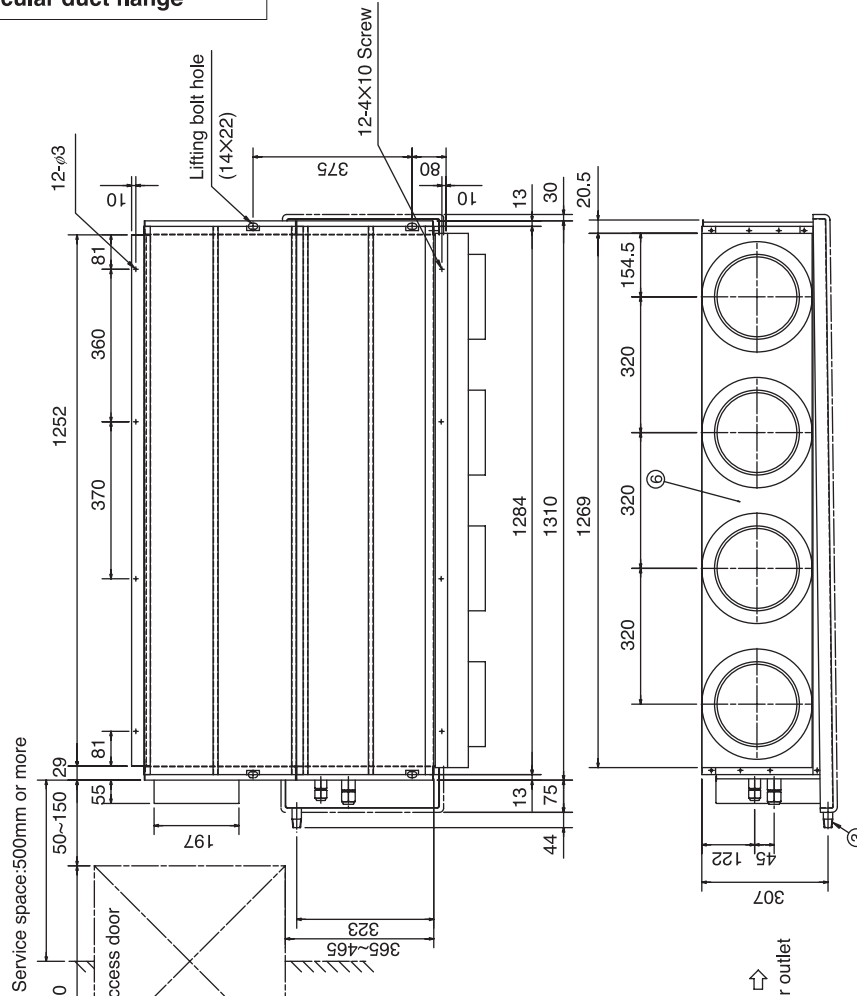
- 1 Refrigerant piping flare connection (liquid  $\phi$  K copper tube):HP
- 2 Refrigerant piping flare connection (gas  $\phi$  L copper tube):LP
- 3 Drain R1(External thread)
- 4 Electrical parts box
- 5 Filter
- 6 Circular duct flange(Optional)

Model	K	L
P20,25,32	6.35	12.7
P40,50	6.35	12.7
P63,71,80	9.52	15.88



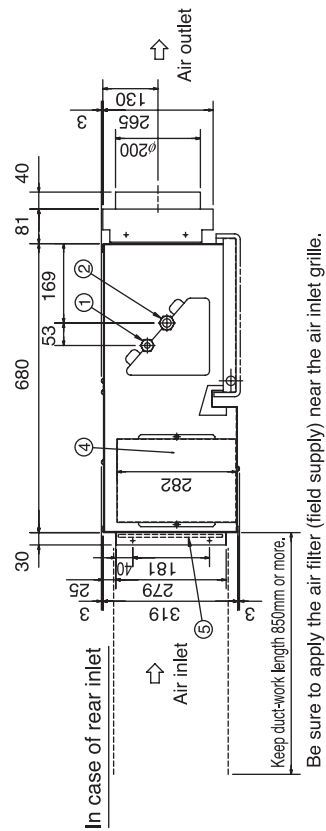
**PEFY-P100,125VMM-E  
with circular duct flange**

Unit : mm



Service space:500mm or more

- ① Refrigerant piping flare connection (liquid  $\phi$ 9.52 copper tube):HP
- ② Refrigerant piping flare connection (gas  $\phi$ 15.88 copper tube):LP
- ③ Drain 25A (External thread):LP
- ④ Electrical parts box
- ⑤ Filter
- ⑥ Circular duct flange(Optional)



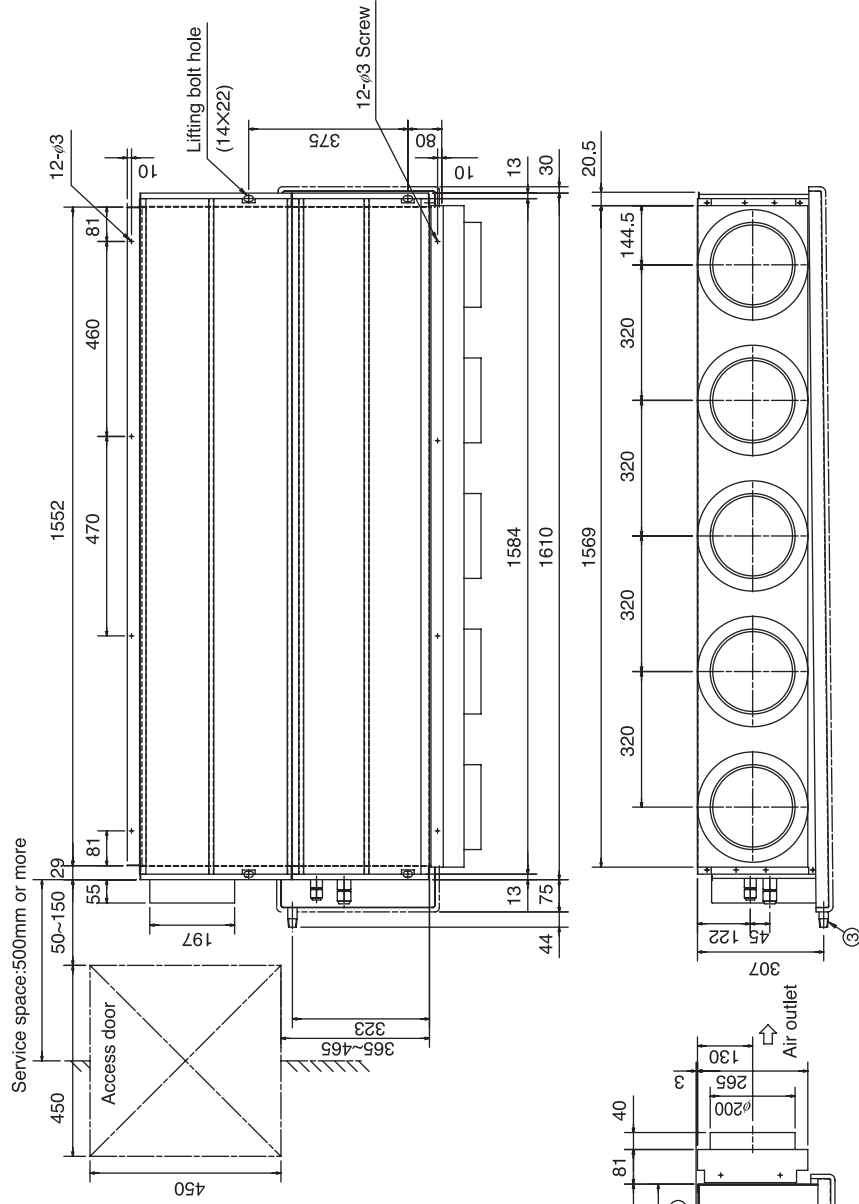
In case of rear inlet

Keep duct-work length 850mm or more.

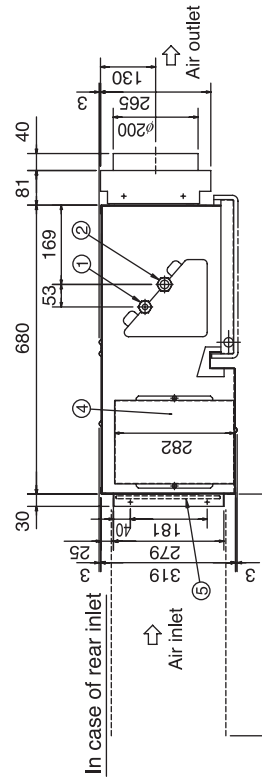
Be sure to apply the air filter (field supply) near the air inlet grille.

**PEFY-P140VMM-E  
with circular duct flange**

Unit : mm



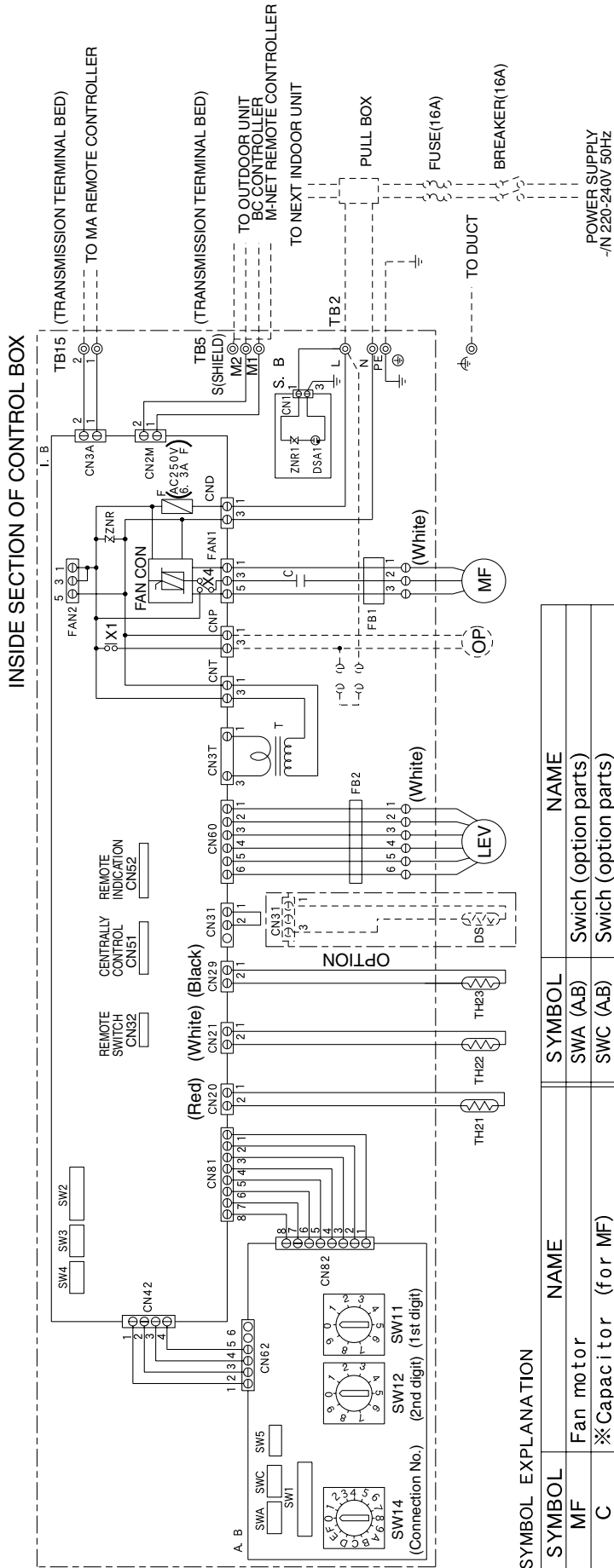
- ① Refrigerant piping flare connection  
(liquid φ9.52 copper tube):HP
- ② Refrigerant piping flare connection  
(gas φ15.88 copper tube):LP
- ③ Drain 25A (External thread)
- ④ Electrical parts box
- ⑤ Filter
- ⑥ Circular duct flange(Optional)



Keep duct-work length 850mm or more.  
Be sure to apply the air filter (field supply) near the inlet grille.

# 5. Electrical Wiring Diagrams

PEFY-P20,25,32,40,50,63,71,80VMM-E



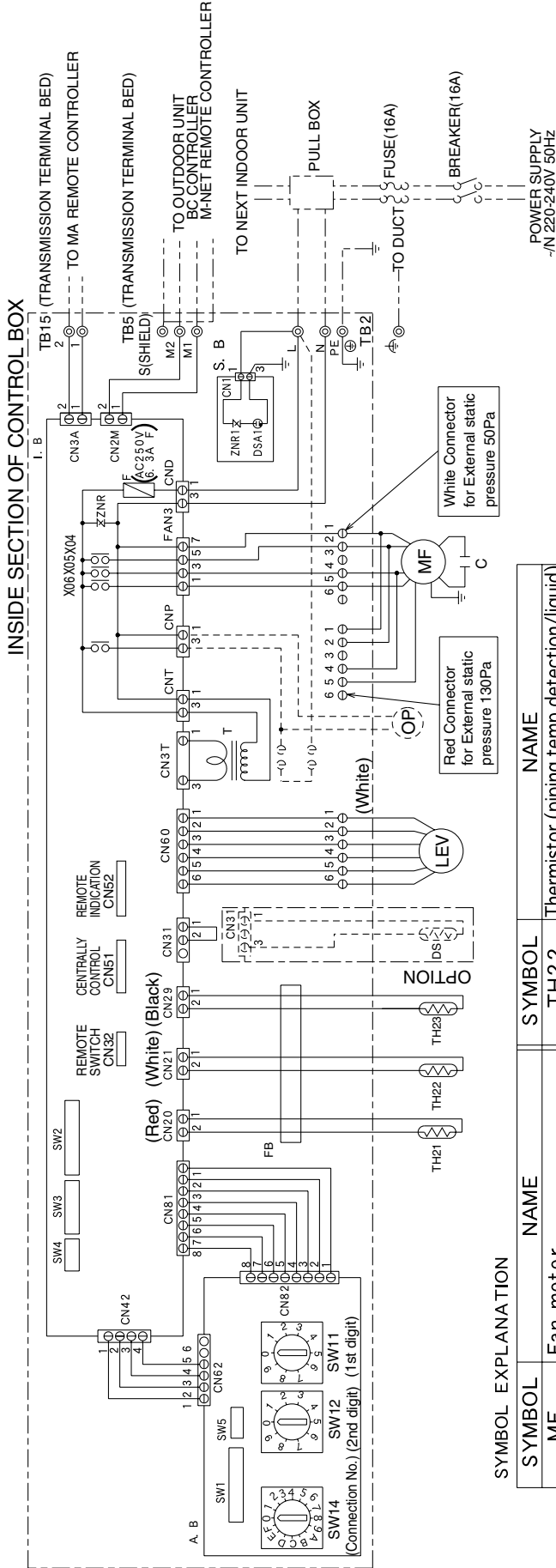
**NOTE:** 1. TB2, TB5 shown in dotted line are field work.  
 2. Mark ⊙ indicates terminal bed, ⊕ connector, ⊖ board insertion connector or fastening connector of control board.

※Capacitor  
 MODELS 20/25/32 6μF  
 MODELS 40/50 6μF  
 MODELS 63/71/80 6μF

**SYMBOL EXPLANATION**

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	SWA (A.B)	Switch (option parts)
C	※Capacitor (for MF)	SWC (A.B)	Switch (option parts)
I.B	Indoor controller board	SW1 1 (A.B)	Switch (1st digit address set)
AB	Address board	SW1 2 (A.B)	Switch (2nd digit address set)
TB2	Power source terminal bed	SW1 4 (A.B)	Switch (connection No.set)
TB5	Transmission terminal bed	SW1 (A.B)	Switch(for mode selection)
TB15	Transmission terminal bed	SW2 (I.B)	Switch(for capacity code)
F	Fuse AC250V 6.3AF	SW3 (I.B)	Switch(for mode selection)
T	Transformer	SW4 (I.B)	Switch(for mode selection)
LEV	Electronic linear expan. valve	SW5 (A.B)	Switch(for voltage selection)
TH21	Thermistor (inlet temp.detection)	FB1,2	Ferrite core
TH22	Thermistor (piping temp.detection/liquid)	S.B	Surge absorber board
TH23	Thermistor (piping temp.detection/gas)	DP	Drainpump
		DS	Drainsensor

# PEFY-P100,125,140VMM-E



## 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	SW11 (A.B)	Switch (1st digit address set)
AB	Address board	SW12 (A.B)	Switch (2nd digit address set)
TB2	Power source terminal bed	SW14 (A.B)	Switch (connection No.set)
TB15	Transmission terminal bed	SW1 (A.B)	Switch(for mode selection)
TB5	Transmission terminal bed	SW2 (I.B)	Switch(for capacity code)
F	Fuse AC250V 6.3A F	SW3 (I.B)	Switch(for mode selection)
T	Transformer	SW4 (I.B)	Switch(for model selection)
LEV	Electronic linear expan. valve	SW5 (A.B)	Switch(for voltage selection)
SB	Surge absorber board	X04~06	Aux relay
FB	Ferrite core	DP	Drainpump
TH21	Thermistor (inlet temp.detection)	DS	Drainsensor

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

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

※Capacitor  
MODELS 100/125/140 8μF

# 6. Options

Description	Model	Applicable capacity
Circular duct flange	PAC-KE32EDF-F	P20/P25/P32
	PAC-KE50EDF-F	P40/P50
	PAC-KE80EDF-F	P63/P71/P80
	PAC-KE125EDF-F	P100/P125
	PAC-KE140EDF-F	P140
Drain water lift-up kit	PAC-KE03DM-F	P20/P25/P32/P40/P50/P63/P71 P80/P100/P125/P140

PEFY-P-VMM-E