

Ceiling concealed

PEFY-P-VML-A
PEFY-P-VMH-A

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1. Specifications

PEFY-P-VML-A/VMH-A

			PEFY-P20VML-A	PEFY-P25VML-A	PEFY-P32VML-A
Power source			~220-240V 50Hz / 60Hz		
Cooling capacity	* 1	kW	2.2	2.8	3.6
	* 2	kcal/h	2,000	2,500	3,150
Heating capacity	* 1	kW	2.5	3.2	4.0
Power consumption (50/60Hz)	Cooling	kW	0.05/0.06		0.07/0.09
	Heating	kW	0.05/0.06		0.07/0.09
Current	Cooling	A	0.24/0.28		0.32/0.42
	Heating	A	0.24/0.28		0.32/0.42
External finish			Galvanized steel plate		
Dimension	Height	mm	225		
	Width	mm	720		
	Depth	mm	550		
Net weight		kg	18		
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)		
Fan	Type		Sirocco fanX 1		
	Airflow rate (Lo-Mid-Hi)	m ³ /min	5.4-6.5-7.9		6.0-7.5-9.5
	External static pressure	Pa	5		
Motor	Type		Single phase induction motor		
	Output	kW	0.023		0.032
Air filter			PP Honeycomb fabric (washable)		
Refrigerant pipe dimension	Gas (Brazing)	mm	φ□12.7		
	Liquid (Brazing)	mm	φ□6.35		
Drain pipe dimension			R1 (External thread)		
Noise level (Lo-Mid-Hi)		dB(A)	29-33-36		30-35-40

			PEFY-P40VMH-A	PEFY-P50VMH-A	PEFY-P63VMH-A	PEFY-P71VMH-A	
Power source			~ 220-240V 50Hz /60Hz				
Cooling capacity	* 1	kW	4.5	5.6	7.1	8.0	
	* 2	kcal/h	4,000	5,000	6,300	7,100	
Heating capacity	* 1	kW	5.0	6.3	8.0	9.0	
Power consumption (50/60Hz)	Cooling	kW	0.19/0.23		0.24/0.30	0.26/0.33	
	Heating	kW	0.19/0.23		0.24/0.30	0.26/0.33	
Current	Cooling	A	0.88/1.06		1.12/1.38	1.20/1.51	
	Heating	A	0.88/1.06		1.12/1.38	1.20/1.51	
External finish			Galvanizing				
Dimension	Height	mm	380				
	Width	mm	750		1000		
	Depth	mm	900				
Net weight		kg	44	45	50		
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)				
Fan	Type		Sirocco fanX 1				
	Airflow rate (Lo-Hi)	m ³ /min	10.0-14.0		13.5-19.0	15.5-22.0	
	External static pressure * 3	220V	Pa	50/100/200			
		230, 240V	Pa	100/150/200			
Motor	Type		Single phase induction motor				
	Output * 4	kW	0.08		0.12	0.14	
Air filter (option)			Synthetic fiber unwoven cloth filter(long life)				
Refrigerant pipe dimension	Gas (Flare)	mm	φ□12.7	φ□15.88			
	Liquid (Flare)	mm	φ□6.35	φ□9.52			
Drain pipe dimension			32 (1-1/4 inch)				
Noise level (Lo-Hi)	220V	dB(A)	27-34		32-38	32-39	
	230, 240V	dB(A)	31-37		36-41	35-41	

Note: * 1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB
Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB
* 2 Cooling capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)
* 3 The external static pressure is set to 100Pa (at 220V) /150Pa (at 230, 240V) at factory shipment.
* 4 The value are that at 240V.

			PEFY-P80VMH-A	PEFY-P100VMH-A	PEFY-P125VMH-A	PEFY-P140VMH-A
Power source			~ 220-240V 50Hz /60Hz			
Cooling capacity	* 1	kW	9.0	11.2	14.0	16.0
	* 2	kcal/h	8,000	10,000	12,500	14,000
Heating capacity	* 1	kW	10.0	12.5	16.0	18.0
Power consumption (50/60Hz)	Cooling	kW	0.32/0.40		0.48/0.58	
	Heating	kW	0.32/0.40		0.48/0.58	
Current	Cooling	A	1.47/1.83		2.34/2.66	
	Heating	A	1.47/1.83		2.34/2.66	
External finish			Galvanizing			
Dimension	Height	mm	380			
	Width	mm	1000	1200		
	Depth	mm	900			
Net weight		kg	50	70		
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)			
Fan	Type		Sirocco fanX 1		Sirocco fanX 2	
	Airflow rate (Lo-Hi)	m ³ /min	18.0-25.0		26.5-38.0	
	External static pressure * 3	220V	Pa	50/100/200		
230, 240V		Pa	100/150/200			
Motor	Type		Single phase induction motor			
	Output * 4	kW	0.18	0.26		
Air filter (option)			Synthetic fiber unwoven cloth filter(long life)			
Refrigerant pipe dimension	Gas (Flare)	mm	φ□15.88	φ□19.05		
	Liquid (Flare)	mm	φ□19.52			
Drain pipe dimension			32 (1-1/4 inch)			
Noise level (Lo-Hi)	220V	dB(A)	35-41		34-42	
	230, 240V	dB(A)	38-43		38-44	

			PEFY-P200VMH-A	PEFY-P250VMH-A
Power source			3N ~ 380-415V 50Hz / 60Hz	
Cooling capacity	* 1	kW	22.4	28.0
	* 2	kcal/h	20,000	25,000
Heating capacity	* 1	kW	25.0	31.5
Power consumption (50/60Hz)	Cooling	kW	0.99/1.14	
	Heating	kW	0.99/1.14	
Current	Cooling	A	1.62/1.86	
	Heating	A	1.62/1.86	
External finish			Galvanizing	
Dimension	Height	mm	470	
	Width	mm	1250	
	Depth	mm	1120	
Net weight		kg	100	
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)	
Fan	Type		Sirocco fanX 2	
	Airflow rate	m ³ /min	58.0	72.0
	External static pressure * 5	380V	Pa	110/220
400, 415V		Pa	130/260	
Motor	Type		3-phase induction motor	
	Output * 6	kW	0.76	1.08
Air filter (option)			Synthetic fiber unwoven cloth filter(long life)	
Refrigerant pipe dimension	Gas (Brazing)	mm	φ□25.4	φ□28.58
	Liquid (Brazing)	mm	φ□2.7	
Drain pipe dimension			32 (1-1/4 inch)	
Noise level	380V	dB(A)	42(110Pa)/45(220Pa)	
	400, 415V	dB(A)	44(130Pa)/47(260Pa)	

Note: * 1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
 Cooling : Indoor 27°CDB/19°CWB, Outdoor 35°CDB
 Heating : Indoor 20°CDB, Outdoor 7°CDB/6°CWB
 * 2 Cooling capacity indicates the maximum value at operation under the following condition.
 Cooling : Indoor 27°CDB/19.5°CWB, Outdoor 35°CDB (WR2: water 30°C)
 * 3 The external static pressure is set to 100Pa (at 220V) /150Pa (at 230, 240V) at factory shipment.
 * 4 The value are that at 240V.
 * 5 The external static pressure is set to 110Pa (at 380V) /130Pa (at 400, 415V) at factory shipment.
 * 6 The value are that at 415V.

2. Capacity tables

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

CA:Capacity(kW)

SHC:Sensible heat Capacity(kW)

PEFY-P-VML-A,VMH-A

Unit size	Outdoor air temp.	Indoor air temp.							
		23°CDB 16°CWB		25°CDB 18°CWB		28°CDB 20°CWB		30°CDB 22°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA
20 (2.2)	20.0	2.2	1.8	2.3	1.9	2.4	1.9	2.6	2.0
	22.5	2.1	1.8	2.3	1.9	2.4	1.9	2.6	2.0
	25.0	2.1	1.8	2.3	1.9	2.4	1.9	2.5	2.0
	27.5	2.1	1.8	2.2	1.9	2.4	1.9	2.5	2.0
	30.0	2.1	1.8	2.2	1.9	2.3	1.9	2.5	1.9
	32.5	2.0	1.8	2.2	1.9	2.3	1.9	2.5	1.9
	35.0	2.0	1.8	2.1	1.9	2.3	1.8	2.4	1.9
	37.5	2.0	1.8	2.1	1.9	2.2	1.8	2.4	1.9
	40.0	2.0	1.7	2.1	1.8	2.2	1.8	2.4	1.9
	46.0	1.9	1.7	2.0	1.8	2.1	1.8	2.3	1.9
25 (2.8)	20.0	2.8	2.2	2.9	2.3	3.1	2.3	3.3	2.3
	22.5	2.7	2.2	2.9	2.3	3.1	2.2	3.2	2.3
	25.0	2.7	2.1	2.9	2.3	3.1	2.2	3.2	2.3
	27.5	2.7	2.1	2.8	2.2	3.0	2.2	3.2	2.3
	30.0	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.3
	32.5	2.6	2.1	2.8	2.2	2.9	2.2	3.1	2.3
	35.0	2.6	2.1	2.7	2.2	2.9	2.2	3.1	2.3
	37.5	2.5	2.1	2.7	2.2	2.9	2.2	3.0	2.2
	40.0	2.5	2.0	2.7	2.2	2.8	2.1	3.0	2.2
	46.0	2.4	2.0	2.6	2.1	2.7	2.1	2.9	2.2
32 (3.6)	20.0	3.6	2.7	3.7	2.8	4.0	2.8	4.2	2.9
	22.5	3.5	2.7	3.7	2.8	4.0	2.8	4.2	2.9
	25.0	3.5	2.7	3.7	2.8	3.9	2.8	4.1	2.9
	27.5	3.4	2.7	3.6	2.8	3.9	2.8	4.1	2.8
	30.0	3.4	2.6	3.6	2.8	3.8	2.7	4.1	2.8
	32.5	3.3	2.6	3.6	2.7	3.8	2.7	4.0	2.8
	35.0	3.3	2.6	3.5	2.7	3.7	2.7	4.0	2.8
	37.5	3.2	2.6	3.5	2.7	3.7	2.7	3.9	2.8
	40.0	3.2	2.5	3.4	2.7	3.6	2.7	3.9	2.7
	46.0	3.1	2.5	3.3	2.6	3.5	2.6	3.7	2.7
40 (4.5)	20.0	4.5	3.3	4.7	3.5	5.0	3.5	5.3	3.6
	22.5	4.4	3.3	4.6	3.5	5.0	3.4	5.2	3.5
	25.0	4.3	3.3	4.6	3.4	4.9	3.4	5.2	3.5
	27.5	4.3	3.3	4.6	3.4	4.9	3.4	5.1	3.5
	30.0	4.2	3.2	4.5	3.4	4.8	3.4	5.1	3.5
	32.5	4.2	3.2	4.4	3.4	4.7	3.3	5.0	3.5
	35.0	4.1	3.2	4.4	3.3	4.7	3.3	5.0	3.4
	37.5	4.1	3.1	4.3	3.3	4.6	3.3	4.9	3.4
	40.0	4.0	3.1	4.3	3.3	4.5	3.3	4.8	3.4
	46.0	3.8	3.0	4.1	3.2	4.3	3.2	4.6	3.3
50 (5.6)	20.0	5.5	3.9	5.8	4.1	6.2	4.1	6.6	4.2
	22.5	5.5	3.9	5.8	4.1	6.2	4.0	6.5	4.1
	25.0	5.4	3.9	5.7	4.0	6.1	4.0	6.4	4.1
	27.5	5.3	3.8	5.7	4.0	6.0	4.0	6.4	4.1
	30.0	5.3	3.8	5.6	4.0	5.9	3.9	6.3	4.1
	32.5	5.2	3.7	5.5	3.9	5.9	3.9	6.2	4.0
	35.0	5.1	3.7	5.5	3.9	5.8	3.9	6.2	4.0
	37.5	5.0	3.7	5.4	3.9	5.7	3.8	6.1	4.0
	40.0	5.0	3.6	5.3	3.8	5.6	3.8	6.0	3.9
	46.0	4.8	3.5	5.1	3.7	5.4	3.7	5.8	3.8
63 (7.1)	20.0	7.0	5.2	7.4	5.4	7.9	5.3	8.3	5.5
	22.5	6.9	5.1	7.3	5.3	7.8	5.3	8.2	5.4
	25.0	6.9	5.1	7.3	5.3	7.7	5.3	8.2	5.4
	27.5	6.8	5.0	7.2	5.3	7.7	5.2	8.1	5.4
	30.0	6.7	5.0	7.1	5.2	7.5	5.2	8.0	5.3
	32.5	6.6	4.9	7.0	5.2	7.5	5.1	7.9	5.3
	35.0	6.5	4.9	6.9	5.1	7.3	5.1	7.8	5.3
	37.5	6.4	4.8	6.8	5.1	7.2	5.0	7.7	5.2
	40.0	6.3	4.8	6.7	5.1	7.2	5.0	7.6	5.2
	46.0	6.1	4.7	6.5	4.9	6.9	4.9	7.3	5.1

PEFY-P-VML-A/VMH-A

Cooling Capacity (In combination with PUMY-125YM(A))

CA:Capacity(kW)

SHC:Sensible heat Capacity(kW)

PEFY-P-VML-A,VMH-A

Unit size	Outdoor air temp.	Indoor air temp.							
		23°CDB 16°CWB		25°CDB 18°CWB		28°CDB 20°CWB		30°CDB 22°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA
71 (8.0)	20.0	7.9	5.8	8.3	6.0	8.9	6.0	9.4	6.1
	22.5	7.8	5.7	8.2	6.0	8.8	5.9	9.3	6.1
	25.0	7.7	5.7	8.2	5.9	8.7	5.9	9.2	6.1
	27.5	7.6	5.6	8.1	5.9	8.6	5.8	9.1	6.0
	30.0	7.5	5.6	8.0	5.8	8.5	5.8	9.0	6.0
	32.5	7.4	5.5	7.9	5.8	8.4	5.7	8.9	5.9
	35.0	7.3	5.4	7.8	5.7	8.3	5.7	8.8	5.9
	37.5	7.2	5.4	7.7	5.7	8.2	5.6	8.7	5.8
	40.0	7.1	5.4	7.6	5.6	8.1	5.6	8.6	5.8
46.0	6.8	5.2	7.3	5.5	7.7	5.4	8.2	5.6	
80 (9.0)	20.0	8.9	6.5	9.4	6.8	10.0	6.8	10.6	6.9
	22.5	8.8	6.5	9.3	6.7	9.9	6.7	10.4	6.9
	25.0	8.7	6.4	9.2	6.7	9.8	6.7	10.4	6.8
	27.5	8.6	6.4	9.1	6.7	9.7	6.6	10.3	6.8
	30.0	8.5	6.3	9.0	6.6	9.5	6.5	10.2	6.8
	32.5	8.3	6.2	8.9	6.6	9.5	6.5	10.0	6.7
	35.0	8.2	6.2	8.8	6.5	9.3	6.4	9.9	6.6
	37.5	8.1	6.1	8.6	6.4	9.2	6.4	9.8	6.6
	40.0	8.0	6.1	8.6	6.4	9.1	6.3	9.6	6.5
46.0	7.7	5.9	8.2	6.2	8.7	6.1	9.3	6.4	
100 (11.2)	20.0	11.1	8.7	11.6	9.1	12.5	9.1	13.1	9.3
	22.5	10.9	8.7	11.5	9.1	12.3	9.0	13.0	9.3
	25.0	10.8	8.6	11.5	9.0	12.2	9.0	12.9	9.2
	27.5	10.7	8.5	11.3	9.0	12.1	8.9	12.8	9.2
	30.0	10.5	8.5	11.2	8.9	11.9	8.8	12.6	9.1
	32.5	10.4	8.4	11.1	8.8	11.8	8.8	12.5	9.1
	35.0	10.2	8.3	10.9	8.8	11.6	8.7	12.3	9.0
	37.5	10.1	8.3	10.8	8.7	11.4	8.6	12.2	9.0
	40.0	10.0	8.2	10.6	8.6	11.3	8.6	12.0	8.9
46.0	9.6	8.0	10.2	8.5	10.8	8.4	11.5	8.7	
125 (14.0)	20.0	13.9	10.1	14.6	10.5	15.6	10.5	16.4	10.8
	22.5	13.7	10.0	14.4	10.4	15.4	10.4	16.2	10.7
	25.0	13.5	9.9	14.3	10.4	15.3	10.3	16.1	10.6
	27.5	13.4	9.9	14.2	10.3	15.1	10.2	16.0	10.6
	30.0	13.2	9.8	14.0	10.2	14.9	10.1	15.8	10.5
	32.5	13.0	9.6	13.8	10.2	14.7	10.1	15.6	10.4
	35.0	12.8	9.6	13.7	10.1	14.5	10.0	15.4	10.3
	37.5	12.6	9.5	13.4	10.0	14.3	9.9	15.2	10.2
	40.0	12.5	9.4	13.3	9.9	14.1	9.8	15.0	10.1
46.0	12.0	9.2	12.8	9.7	13.5	9.5	14.4	9.9	
140 (16.0)	20.0	15.8	11.6	16.6	12.0	17.8	12.0	18.8	12.3
	22.5	15.6	11.4	16.5	11.9	17.6	11.9	18.6	12.2
	25.0	15.5	11.4	16.4	11.9	17.4	11.8	18.4	12.1
	27.5	15.3	11.3	16.2	11.8	17.2	11.7	18.2	12.1
	30.0	15.0	11.1	16.0	11.7	17.0	11.6	18.0	12.0
	32.5	14.8	11.0	15.8	11.6	16.8	11.5	17.9	11.9
	35.0	14.6	10.9	15.6	11.5	16.5	11.4	17.6	11.8
	37.5	14.4	10.8	15.4	11.4	16.3	11.3	17.4	11.7
	40.0	14.2	10.8	15.2	11.3	16.1	11.2	17.2	11.6
46.0	13.7	10.5	14.6	11.1	15.4	10.9	16.5	11.3	
200 (22.4)	20.0	22.2	16.5	23.3	17.2	24.9	17.1	26.3	17.6
	22.5	21.9	16.4	23.1	17.1	24.6	17.0	26.0	17.5
	25.0	21.6	16.3	22.9	17.0	24.4	16.9	25.8	17.4
	27.5	21.4	16.1	22.7	16.9	24.1	16.8	25.5	17.3
	30.0	21.1	16.0	22.4	16.8	23.8	16.6	25.3	17.2
	32.5	20.7	15.8	22.1	16.7	23.5	16.5	25.0	17.1
	35.0	20.4	15.7	21.8	16.5	23.2	16.3	24.6	16.9
	37.5	20.2	15.5	21.5	16.4	22.8	16.2	24.4	16.8
	40.0	19.9	15.4	21.3	16.3	22.6	16.1	24.0	16.7
46.0	19.2	15.1	20.5	15.9	21.6	15.7	23.1	16.3	
250 (28.0)	20.0	27.7	20.6	29.1	21.4	31.2	21.3	32.8	21.9
	22.5	27.4	20.4	28.8	21.3	30.8	21.2	32.5	21.8
	25.0	27.0	20.2	28.6	21.2	30.5	21.0	32.2	21.6
	27.5	26.7	20.1	28.3	21.0	30.2	20.9	31.9	21.5
	30.0	26.3	19.9	28.0	20.9	29.7	20.7	31.6	21.4
	32.5	25.9	19.7	27.7	20.7	29.4	20.5	31.2	21.2
	35.0	25.5	19.5	27.3	20.5	29.0	20.3	30.8	21.0
	37.5	25.2	19.3	26.9	20.3	28.6	20.1	30.5	20.9
	40.0	24.9	19.2	26.6	20.2	28.2	20.0	30.0	20.7
46.0	23.9	18.7	25.6	19.7	27.0	19.5	28.8	20.2	

PEFY-P-VML-A/VMH-A

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

PEFY-P-VML-A,VMH-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp. °CWB	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		SHC	SHC	SHC
20	-12.0	1.6	1.6	1.5
	-10.0	1.7	1.6	1.6
	-5.0	1.9	1.9	1.9
	0.0	2.2	2.1	2.1
	2.5	2.3	2.3	2.3
	6.0	2.5	2.5	2.5
	7.5	2.6	2.6	2.5
	10.0	2.8	2.7	2.5
	12.5	2.9	2.8	2.5
15.5	3.1	2.8	2.5	
25	-12.0	2.0	2.0	2.0
	-10.0	2.1	2.1	2.1
	-5.0	2.4	2.4	2.4
	0.0	2.8	2.8	2.7
	2.5	3.0	2.9	2.9
	6.0	3.2	3.2	3.2
	7.5	3.3	3.3	3.2
	10.0	3.5	3.5	3.2
	12.5	3.7	3.5	3.2
15.5	3.9	3.5	3.2	
32	-12.0	2.5	2.5	2.5
	-10.0	2.7	2.6	2.6
	-5.0	3.1	3.0	3.0
	0.0	3.5	3.4	3.4
	2.5	3.7	3.7	3.6
	6.0	4.0	4.0	3.9
	7.5	4.2	4.1	4.0
	10.0	4.4	4.4	4.0
	12.5	4.7	4.4	4.0
15.5	4.9	4.4	4.0	
40	-12.0	3.2	3.1	3.1
	-10.0	3.4	3.3	3.2
	-5.0	3.8	3.8	3.7
	0.0	4.3	4.3	4.2
	2.5	4.6	4.6	4.5
	6.0	5.0	5.0	4.9
	7.5	5.2	5.2	5.0
	10.0	5.5	5.5	5.0
	12.5	5.9	5.5	5.0
15.5	6.2	5.5	5.0	
50	-12.0	4.0	3.9	3.9
	-10.0	4.2	4.2	4.1
	-5.0	4.8	4.8	4.7
	0.0	5.5	5.4	5.3
	2.5	5.8	5.8	5.7
	6.0	6.3	6.3	6.2
	7.5	6.6	6.5	6.2
	10.0	7.0	6.9	6.2
	12.5	7.4	7.0	6.2
15.5	7.7	7.0	6.2	
63	-12.0	5.1	5.0	4.9
	-10.0	5.4	5.3	5.2
	-5.0	6.1	6.0	5.9
	0.0	6.9	6.9	6.8
	2.5	7.4	7.3	7.2
	6.0	8.0	8.0	7.9
	7.5	8.3	8.3	7.9
	10.0	8.8	8.8	7.9
	12.5	9.4	8.8	7.9
15.5	9.8	8.8	7.9	

Unit size	Outdoor air temp. °CWB	Indoor air temp.:°CDB		
		15.0	20.0	25.0
		SHC	SHC	SHC
71	-12.0	5.7	5.6	5.5
	-10.0	6.0	5.9	5.8
	-5.0	6.9	6.8	6.7
	0.0	7.8	7.7	7.6
	2.5	8.3	8.2	8.1
	6.0	9.1	9.0	8.9
	7.5	9.4	9.3	8.9
	10.0	9.9	9.9	8.9
	12.5	10.5	9.9	8.9
15.5	11.1	9.9	8.9	
80	-12.0	6.4	6.2	6.1
	-10.0	6.7	6.6	6.5
	-5.0	7.6	7.5	7.4
	0.0	8.7	8.6	8.5
	2.5	9.2	9.2	9.0
	6.0	10.1	10.0	9.9
	7.5	10.4	10.4	9.9
	10.0	11.1	11.0	9.9
	12.5	11.7	11.0	9.9
15.5	12.3	11.0	9.9	
100	-12.0	8.0	7.8	7.7
	-10.0	8.4	8.2	8.1
	-5.0	9.6	9.4	9.3
	0.0	10.9	10.7	10.6
	2.5	11.5	11.4	11.3
	6.0	12.6	12.5	12.3
	7.5	13.0	12.9	12.4
	10.0	13.8	13.7	12.4
	12.5	14.6	13.8	12.4
15.5	15.4	13.8	12.4	
125	-12.0	10.2	10.0	9.8
	-10.0	10.7	10.6	10.4
	-5.0	12.2	12.1	11.9
	0.0	13.9	13.8	13.6
	2.5	14.8	14.7	14.5
	6.0	16.1	16.0	15.8
	7.5	16.7	16.6	15.8
	10.0	17.7	17.6	15.8
	12.5	18.7	17.7	15.8
15.5	19.7	17.7	15.8	
140	-12.0	11.5	11.2	11.0
	-10.0	12.1	11.9	11.7
	-5.0	13.8	13.6	13.4
	0.0	15.6	15.5	15.3
	2.5	16.6	16.5	16.3
	6.0	18.1	18.0	17.8
	7.5	18.8	18.6	17.8
	10.0	19.9	19.8	17.8
	12.5	21.1	19.9	17.8
15.5	22.1	19.9	17.8	
200	-12.0	15.9	15.6	15.3
	-10.0	16.8	16.5	16.2
	-5.0	19.1	18.9	18.6
	0.0	21.7	21.5	21.2
	2.5	23.1	22.9	22.6
	6.0	25.1	25.0	24.7
	7.5	26.1	25.9	24.8
	10.0	27.6	27.5	24.8
	12.5	29.3	27.6	24.8
15.5	30.8	27.6	24.8	
250	-12.0	20.1	19.7	19.3
	-10.0	21.1	20.8	20.4
	-5.0	24.1	23.8	23.4
	0.0	27.3	27.1	26.7
	2.5	29.1	28.8	28.5
	6.0	31.7	31.5	31.1
	7.5	32.8	32.6	31.2
	10.0	34.8	34.6	31.2
	12.5	36.9	34.8	31.2
15.5	38.7	34.8	31.2	

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

CA:Capacity(kW)

SH:FSensible heat Capacity(kW)

PEFY-P-VML-A,VMH-A

Unit size	Outdoor air temp.	Indoor air temp.													
		21.5°CDB 15°CWB		23°CDB 16°CWB		25°CDB 18°CWB		27°CDB 19°CWB		28°CDB 20°CWB		30°CDB 22°CWB		32°CDB 24°CWB	
		°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA
20 (2.2)	20.0	2.2	1.8	2.2	1.9	2.3	1.9	2.3	1.9	2.4	2.0	2.5	1.9	2.6	1.9
	22.5	2.1	1.8	2.2	1.9	2.3	1.8	2.3	1.9	2.4	1.9	2.4	1.9	2.5	1.9
	25.0	2.1	1.8	2.2	1.9	2.2	1.8	2.3	1.9	2.3	1.9	2.4	1.9	2.5	1.9
	27.5	2.1	1.8	2.1	1.9	2.2	1.8	2.3	1.9	2.3	1.9	2.4	1.9	2.5	1.8
	30.0	2.1	1.8	2.1	1.9	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.5	1.8
	32.5	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.4	1.8
	35.0	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.8
	37.5	2.0	1.8	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.8
	40.0	2.0	1.8	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.9	2.3	1.8	2.4	1.8
	43.0	2.0	1.7	2.0	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.3	1.8	2.3	1.8
25 (2.8)	20.0	2.7	2.2	2.8	2.2	2.9	2.2	3.0	2.2	3.0	2.3	3.1	2.2	3.2	2.2
	22.5	2.7	2.2	2.8	2.2	2.9	2.2	2.9	2.2	3.0	2.3	3.1	2.2	3.2	2.2
	25.0	2.7	2.1	2.7	2.2	2.9	2.2	2.9	2.2	3.0	2.3	3.1	2.2	3.2	2.1
	27.5	2.7	2.1	2.7	2.2	2.8	2.1	2.9	2.2	2.9	2.2	3.1	2.2	3.2	2.1
	30.0	2.6	2.1	2.7	2.2	2.8	2.1	2.9	2.2	2.9	2.2	3.0	2.2	3.1	2.1
	32.5	2.6	2.1	2.7	2.2	2.8	2.1	2.8	2.1	2.9	2.2	3.0	2.2	3.1	2.1
	35.0	2.6	2.1	2.6	2.1	2.7	2.1	2.8	2.1	2.9	2.2	3.0	2.2	3.1	2.1
	37.5	2.5	2.1	2.6	2.1	2.7	2.1	2.8	2.1	2.8	2.2	2.9	2.2	3.1	2.1
	40.0	2.5	2.1	2.6	2.1	2.7	2.1	2.7	2.1	2.8	2.2	2.9	2.1	3.0	2.1
	43.0	2.5	2.0	2.5	2.1	2.7	2.1	2.7	2.1	2.8	2.2	2.9	2.1	3.0	2.1
32 (3.6)	20.0	3.5	2.7	3.6	2.8	3.7	2.7	3.8	2.7	3.9	2.8	4.0	2.7	4.2	2.7
	22.5	3.5	2.7	3.6	2.7	3.7	2.7	3.8	2.7	3.9	2.8	4.0	2.7	4.1	2.7
	25.0	3.5	2.7	3.5	2.7	3.7	2.7	3.7	2.7	3.8	2.8	4.0	2.7	4.1	2.6
	27.5	3.4	2.6	3.5	2.7	3.6	2.7	3.7	2.7	3.8	2.8	3.9	2.7	4.1	2.6
	30.0	3.4	2.6	3.5	2.7	3.6	2.6	3.7	2.7	3.7	2.8	3.9	2.7	4.0	2.6
	32.5	3.3	2.6	3.4	2.7	3.6	2.6	3.6	2.7	3.7	2.7	3.9	2.7	4.0	2.6
	35.0	3.3	2.6	3.4	2.7	3.5	2.6	3.6	2.6	3.7	2.7	3.8	2.7	4.0	2.6
	37.5	3.3	2.6	3.3	2.6	3.5	2.6	3.6	2.6	3.6	2.7	3.8	2.7	3.9	2.6
	40.0	3.2	2.6	3.3	2.6	3.5	2.6	3.5	2.6	3.6	2.7	3.7	2.6	3.9	2.6
	43.0	3.2	2.5	3.3	2.6	3.4	2.6	3.5	2.6	3.6	2.7	3.7	2.6	3.8	2.6
40 (4.5)	20.0	4.4	3.3	4.5	3.4	4.7	3.3	4.8	3.4	4.9	3.5	5.0	3.4	5.2	3.3
	22.5	4.4	3.3	4.5	3.4	4.6	3.3	4.7	3.3	4.8	3.4	5.0	3.4	5.2	3.3
	25.0	4.3	3.3	4.4	3.4	4.6	3.3	4.7	3.3	4.8	3.4	5.0	3.3	5.1	3.2
	27.5	4.3	3.3	4.4	3.3	4.5	3.3	4.6	3.3	4.7	3.4	4.9	3.3	5.1	3.2
	30.0	4.2	3.2	4.3	3.3	4.5	3.2	4.6	3.3	4.7	3.4	4.9	3.3	5.0	3.2
	32.5	4.2	3.2	4.3	3.3	4.5	3.2	4.5	3.3	4.6	3.4	4.8	3.3	5.0	3.2
	35.0	4.1	3.2	4.2	3.3	4.4	3.2	4.5	3.2	4.6	3.3	4.8	3.3	5.0	3.2
	37.5	4.1	3.2	4.2	3.2	4.4	3.2	4.5	3.2	4.5	3.3	4.7	3.3	4.9	3.2
	40.0	4.1	3.1	4.1	3.2	4.3	3.2	4.4	3.2	4.5	3.3	4.7	3.2	4.9	3.2
	43.0	4.0	3.1	4.1	3.2	4.3	3.1	4.4	3.2	4.4	3.3	4.6	3.2	4.8	3.1
50 (5.6)	20.0	5.5	3.9	5.6	4.0	5.8	3.9	5.9	3.9	6.0	4.0	6.3	3.9	6.5	3.8
	22.5	5.4	3.9	5.5	3.9	5.8	3.9	5.9	3.9	6.0	4.0	6.2	3.9	6.4	3.8
	25.0	5.4	3.8	5.5	3.9	5.7	3.8	5.8	3.8	5.9	4.0	6.2	3.8	6.4	3.7
	27.5	5.3	3.8	5.4	3.9	5.7	3.8	5.8	3.8	5.9	3.9	6.1	3.8	6.3	3.7
	30.0	5.3	3.8	5.4	3.9	5.6	3.8	5.7	3.8	5.8	3.9	6.0	3.8	6.3	3.7
	32.5	5.2	3.8	5.3	3.8	5.5	3.7	5.7	3.8	5.8	3.9	6.0	3.8	6.2	3.7
	35.0	5.2	3.7	5.3	3.8	5.5	3.7	5.6	3.7	5.7	3.9	5.9	3.8	6.2	3.7
	37.5	5.1	3.7	5.2	3.8	5.4	3.7	5.5	3.7	5.7	3.8	5.9	3.7	6.1	3.6
	40.0	5.0	3.7	5.2	3.8	5.4	3.7	5.5	3.7	5.6	3.8	5.8	3.7	6.0	3.6
	43.0	5.0	3.6	5.1	3.7	5.3	3.6	5.4	3.7	5.5	3.8	5.8	3.7	6.0	3.6
63 (7.1)	20.0	7.0	5.1	7.1	5.2	7.4	5.1	7.5	5.1	7.7	5.3	8.0	5.2	8.2	5.0
	22.5	6.9	5.1	7.0	5.2	7.3	5.1	7.5	5.1	7.6	5.3	7.9	5.1	8.2	5.0
	25.0	6.8	5.0	7.0	5.2	7.2	5.0	7.4	5.1	7.5	5.2	7.8	5.1	8.1	5.0
	27.5	6.7	5.0	6.9	5.1	7.2	5.0	7.3	5.1	7.5	5.2	7.7	5.1	8.0	4.9
	30.0	6.7	5.0	6.8	5.1	7.1	5.0	7.2	5.0	7.4	5.2	7.7	5.0	8.0	4.9
	32.5	6.6	4.9	6.7	5.1	7.0	4.9	7.2	5.0	7.3	5.2	7.6	5.0	7.9	4.9
	35.0	6.5	4.9	6.7	5.0	7.0	4.9	7.1	5.0	7.2	5.1	7.5	5.0	7.8	4.9
	37.5	6.5	4.9	6.6	5.0	6.9	4.9	7.0	4.9	7.2	5.1	7.5	5.0	7.7	4.8
	40.0	6.4	4.8	6.5	5.0	6.8	4.9	7.0	4.9	7.1	5.1	7.4	4.9	7.7	4.8
	43.0	6.3	4.8	6.4	4.9	6.7	4.8	6.9	4.9	7.0	5.0	7.3	4.9	7.6	4.8

PEFY-P-VML-A/VMH-A

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

PEFY-P-VML-A,VMH-A

SHC:Sensible heat Capacity(kW)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
	°CWB	SHC	SHC	SHC	SHC
20	-15.0	1.7	1.6	1.6	1.6
	-10.0	1.9	1.9	1.9	1.7
	-5.0	2.1	2.1	2.0	1.7
	0.0	2.4	2.4	2.0	1.7
	2.5	2.5	2.5	2.0	1.7
	6.0	2.5	2.5	2.0	1.7
	7.5	2.6	2.5	2.0	1.7
	10.0	2.8	2.5	2.0	1.7
	12.5	3.0	2.5	2.0	1.7
15.5	3.0	2.5	2.0	1.7	
25	-15.0	2.1	2.1	2.1	2.1
	-10.0	2.4	2.4	2.4	2.2
	-5.0	2.7	2.7	2.5	2.2
	0.0	3.1	3.0	2.5	2.2
	2.5	3.2	3.2	2.5	2.2
	6.0	3.2	3.2	2.5	2.2
	7.5	3.4	3.2	2.5	2.2
	10.0	3.6	3.2	2.5	2.2
	12.5	3.8	3.2	2.5	2.2
15.5	3.9	3.2	2.5	2.2	
32	-15.0	2.7	2.6	2.6	2.6
	-10.0	3.1	3.0	3.0	2.8
	-5.0	3.4	3.4	3.1	2.8
	0.0	3.8	3.8	3.1	2.8
	2.5	4.0	4.0	3.1	2.8
	6.0	4.0	4.0	3.1	2.8
	7.5	4.2	4.0	3.1	2.8
	10.0	4.5	4.0	3.1	2.8
	12.5	4.8	4.0	3.1	2.8
15.5	4.8	4.0	3.1	2.8	
40	-15.0	3.3	3.3	3.3	3.3
	-10.0	3.8	3.8	3.7	3.5
	-5.0	4.3	4.2	3.9	3.5
	0.0	4.8	4.7	3.9	3.5
	2.5	5.0	5.0	3.9	3.5
	6.0	5.1	5.0	3.9	3.5
	7.5	5.3	5.0	3.9	3.5
	10.0	5.6	5.0	3.9	3.5
	12.5	6.0	5.0	3.9	3.5
15.5	6.1	5.0	3.9	3.5	
50	-15.0	4.2	4.2	4.1	4.1
	-10.0	4.8	4.8	4.7	4.3
	-5.0	5.4	5.3	4.9	4.3
	0.0	6.0	5.9	4.9	4.3
	2.5	6.3	6.2	4.9	4.3
	6.0	6.4	6.3	4.9	4.3
	7.5	6.6	6.3	4.9	4.3
	10.0	7.1	6.3	4.9	4.3
	12.5	7.5	6.3	4.9	4.3
15.5	7.6	6.3	4.9	4.3	
63	-15.0	5.4	5.3	5.2	5.2
	-10.0	6.1	6.0	6.0	5.5
	-5.0	6.9	6.8	6.2	5.5
	0.0	7.6	7.5	6.2	5.5
	2.5	8.0	7.9	6.2	5.5
	6.0	8.1	8.0	6.2	5.5
	7.5	8.4	8.0	6.2	5.5
	10.0	9.0	8.0	6.2	5.5
	12.5	9.6	8.0	6.2	5.5
15.5	9.7	8.0	6.2	5.5	

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15.0	20.0	25.0	27.0
	°CWB	SHC	SHC	SHC	SHC
71	-15.0	6.0	5.9	5.9	5.9
	-10.0	6.9	6.8	6.7	6.2
	-5.0	7.7	7.6	7.0	6.2
	0.0	8.6	8.5	7.0	6.2
	2.5	9.0	8.9	7.0	6.2
	6.0	9.1	9.0	7.0	6.2
	7.5	9.5	9.0	7.0	6.2
	10.0	10.1	9.0	7.0	6.2
	12.5	10.8	9.0	7.0	6.2
15.5	10.9	9.0	7.0	6.2	
80	-15.0	6.7	6.6	6.5	6.5
	-10.0	7.6	7.5	7.4	6.9
	-5.0	8.6	8.5	7.8	6.9
	0.0	9.5	9.4	7.8	6.9
	2.5	10.0	9.9	7.8	6.9
	6.0	10.1	10.0	7.8	6.9
	7.5	10.5	10.0	7.8	6.9
	10.0	11.2	10.0	7.8	6.9
	12.5	12.0	10.0	7.8	6.9
15.5	12.1	10.0	7.8	6.9	
100	-15.0	8.4	8.2	8.2	8.1
	-10.0	9.6	9.4	9.3	8.6
	-5.0	10.7	10.6	9.8	8.6
	0.0	11.9	11.8	9.8	8.6
	2.5	12.5	12.4	9.8	8.6
	6.0	12.6	12.5	9.8	8.6
	7.5	13.2	12.5	9.8	8.6
	10.0	14.1	12.5	9.8	8.6
	12.5	15.0	12.5	9.8	8.6
15.5	15.1	12.5	9.8	8.6	
125	-15.0	10.7	10.6	10.5	10.4
	-10.0	12.2	12.1	11.9	11.0
	-5.0	13.7	13.6	12.5	11.0
	0.0	15.3	15.1	12.5	11.0
	2.5	16.0	15.8	12.5	11.0
	6.0	16.2	16.0	12.5	11.0
	7.5	16.8	16.0	12.5	11.0
	10.0	18.0	16.0	12.5	11.0
	12.5	19.1	16.0	12.5	11.0
15.5	19.4	16.0	12.5	11.0	
140	-15.0	12.1	11.9	11.8	11.7
	-10.0	13.8	13.6	13.4	12.4
	-5.0	15.5	15.3	14.0	12.4
	0.0	17.2	17.0	14.0	12.4
	2.5	18.0	17.8	14.0	12.4
	6.0	18.2	18.0	14.0	12.4
	7.5	19.0	18.0	14.0	12.4
	10.0	20.2	18.0	14.0	12.4
	12.5	21.5	18.0	14.0	12.4
15.5	21.8	18.0	14.0	12.4	
200	-15.0	16.7	16.5	16.4	16.3
	-10.0	19.1	18.9	18.6	17.3
	-5.0	21.5	21.2	19.5	17.3
	0.0	23.8	23.6	19.5	17.3
	2.5	25.0	24.8	19.5	17.3
	6.0	25.3	25.0	19.5	17.3
	7.5	26.3	25.0	19.5	17.3
	10.0	28.1	25.0	19.5	17.3
	12.5	29.9	25.0	19.5	17.3
15.5	30.3	25.0	19.5	17.3	
250	-15.0	21.1	20.8	20.6	20.5
	-10.0	24.1	23.8	23.4	21.7
	-5.0	27.1	26.7	24.6	21.7
	0.0	30.0	29.7	24.6	21.7
	2.5	31.5	31.2	24.6	21.7
	6.0	31.8	31.5	24.6	21.7
	7.5	33.2	31.5	24.6	21.7
	10.0	35.4	31.5	24.6	21.7
	12.5	37.7	31.5	24.6	21.7
15.5	38.1	31.5	24.6	21.7	

PEFY-P-VML-A/VMH-A

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

PEFY-P-VML-A,VMH-A

SHC:Sensible heat Capacity(kcal/h)

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°CWB	SHC	SHC	SHC	SHC
20	-15.0	1555	1532	1509	1500
	-10.0	1774	1751	1728	1601
	-5.0	1994	1970	1809	1601
	0.0	2213	2190	1809	1601
	2.5	2322	2250	1809	1601
	6.0	2343	2250	1809	1601
	7.5	2441	2250	1809	1601
	10.0	2605	2250	1809	1601
	12.5	2769	2250	1809	1601
	15.5	2807	2250	1809	1601
25	-15.0	1935	1907	1878	1866
	-10.0	2208	2179	2151	1992
	-5.0	2481	2452	2252	1992
	0.0	2754	2725	2252	1992
	2.5	2890	2800	2252	1992
	6.0	2915	2800	2252	1992
	7.5	3038	2800	2252	1992
	10.0	3242	2800	2252	1992
	12.5	3446	2800	2252	1992
	15.5	3493	2800	2252	1992
32	-15.0	2454	2417	2381	2366
	-10.0	2800	2763	2727	2525
	-5.0	3146	3109	2855	2525
	0.0	3491	3455	2855	2525
	2.5	3664	3550	2855	2525
	6.0	3696	3550	2855	2525
	7.5	3852	3550	2855	2525
	10.0	4111	3550	2855	2525
	12.5	4370	3550	2855	2525
	15.5	4428	3550	2855	2525
40	-15.0	3111	3064	3018	2999
	-10.0	3549	3503	3456	3201
	-5.0	3987	3941	3619	3201
	0.0	4426	4379	3619	3201
	2.5	4645	4500	3619	3201
	6.0	4686	4500	3619	3201
	7.5	4883	4500	3619	3201
	10.0	5211	4500	3619	3201
	12.5	5539	4500	3619	3201
	15.5	5613	4500	3619	3201
50	-15.0	3871	3813	3755	3732
	-10.0	4416	4359	4301	3984
	-5.0	4962	4904	4503	3984
	0.0	5508	5450	4503	3984
	2.5	5780	5600	4503	3984
	6.0	5831	5600	4503	3984
	7.5	6076	5600	4503	3984
	10.0	6484	5600	4503	3984
	12.5	6893	5600	4503	3984
	15.5	6986	5600	4503	3984
63	-15.0	4908	4835	4761	4732
	-10.0	5599	5526	5453	5051
	-5.0	6291	6218	5709	5051
	0.0	6983	6910	5709	5051
	2.5	7329	7100	5709	5051
	6.0	7393	7100	5709	5051
	7.5	7704	7100	5709	5051
	10.0	8221	7100	5709	5051
	12.5	8739	7100	5709	5051
	15.5	8857	7100	5709	5051

Unit size	Outdoor air temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°CWB	SHC	SHC	SHC	SHC
71	-15.0	5530	5447	5365	5332
	-10.0	6309	6227	6144	5691
	-5.0	7089	7006	6433	5691
	0.0	7868	7786	6433	5691
	2.5	8258	8000	6433	5691
	6.0	8330	8000	6433	5691
	7.5	8680	8000	6433	5691
	10.0	9264	8000	6433	5691
	12.5	9847	8000	6433	5691
	15.5	9979	8000	6433	5691
80	-15.0	6221	6128	6036	5998
	-10.0	7098	7005	6912	6402
	-5.0	7975	7882	7237	6402
	0.0	8852	8759	7237	6402
	2.5	9290	9000	7237	6402
	6.0	9371	9000	7237	6402
	7.5	9765	9000	7237	6402
	10.0	10421	9000	7237	6402
	12.5	11078	9000	7237	6402
	15.5	11227	9000	7237	6402
100	-15.0	7742	7626	7511	7465
	-10.0	8833	8718	8602	7967
	-5.0	9924	9809	9006	7967
	0.0	11015	10900	9006	7967
	2.5	11561	11200	9006	7967
	6.0	11662	11200	9006	7967
	7.5	12152	11200	9006	7967
	10.0	12969	11200	9006	7967
	12.5	13786	11200	9006	7967
	15.5	13971	11200	9006	7967
125	-15.0	9677	9533	9389	9331
	-10.0	11041	10897	10753	9959
	-5.0	12405	12261	11258	9959
	0.0	13769	13625	11258	9959
	2.5	14451	14000	11258	9959
	6.0	14577	14000	11258	9959
	7.5	15190	14000	11258	9959
	10.0	16211	14000	11258	9959
	12.5	17232	14000	11258	9959
	15.5	17464	14000	11258	9959
140	-15.0	11060	10895	10730	10664
	-10.0	12619	12454	12289	11381
	-5.0	14177	14012	12866	11381
	0.0	15736	15571	12866	11381
	2.5	16515	16000	12866	11381
	6.0	16660	16000	12866	11381
	7.5	17360	16000	12866	11381
	10.0	18527	16000	12866	11381
	12.5	19694	16000	12866	11381
	15.5	19959	16000	12866	11381
200	-15.0	15484	15253	15022	14929
	-10.0	17666	17435	17204	15934
	-5.0	19848	19617	18012	15934
	0.0	22031	21800	18012	15934
	2.5	23122	22400	18012	15934
	6.0	23324	22400	18012	15934
	7.5	24304	22400	18012	15934
	10.0	25938	22400	18012	15934
	12.5	27572	22400	18012	15934
	15.5	27942	22400	18012	15934
250	-15.0	19355	19066	18777	18662
	-10.0	22082	21794	21505	19918
	-5.0	24810	24522	22515	19918
	0.0	27538	27249	22515	19918
	2.5	28902	28000	22515	19918
	6.0	29155	28000	22515	19918
	7.5	30380	28000	22515	19918
	10.0	32422	28000	22515	19918
	12.5	34465	28000	22515	19918
	15.5	34928	28000	22515	19918

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

PEFY-P-VML-A,VMH-A

SHC:Sensible heat Capacity(kcal/h)

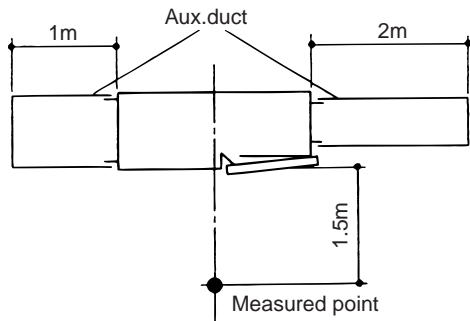
Unit size	Water temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°C	SHC	SHC	SHC	SHC
20	10	1951	1913	1549	1377
	20	2295	2250	1823	1620
	30	2295	2250	1823	1620
	40	2387	2340	1895	1685
	45	2616	2565	2078	1847
25	10	2428	2380	1928	1714
	20	2856	2800	2268	2016
	30	2856	2800	2268	2016
	40	2970	2912	2359	2097
	45	3256	3192	2586	2298
32	10	3078	3018	2444	2173
	20	3621	3550	2876	2556
	30	3621	3550	2876	2556
	40	3766	3692	2991	2658
	45	4128	4047	3278	2914
40	10	3902	3825	3098	2754
	20	4590	4500	3645	3240
	30	4590	4500	3645	3240
	40	4774	4680	3791	3370
	45	5233	5130	4155	3694
50	10	4855	4760	3856	3427
	20	5712	5600	4536	4032
	30	5712	5600	4536	4032
	40	5940	5824	4717	4193
	45	6512	6384	5171	4596
63	10	6156	6035	4888	4345
	20	7242	7100	5751	5112
	30	7242	7100	5751	5112
	40	7532	7384	5981	5316
	45	8256	8094	6556	5828

Unit size	Water temp.	Indoor air temp.:°CDB			
		15	21	25	27
	°C	SHC	SHC	SHC	SHC
71	10	6936	6800	5508	4896
	20	8160	8000	6480	5760
	30	8160	8000	6480	5760
	40	8486	8320	6739	5990
	45	9302	9120	7387	6566
80	10	7803	7650	6197	5508
	20	9180	9000	7290	6480
	30	9180	9000	7290	6480
	40	9547	9360	7582	6739
	45	10465	10260	8311	7387
100	10	9710	9520	7711	6854
	20	11424	11200	9072	8064
	30	11424	11200	9072	8064
	40	11881	11648	9435	8387
	45	13023	12768	10342	9193
125	10	12138	11900	9639	8568
	20	14280	14000	11340	10080
	30	14280	14000	11340	10080
	40	14851	14560	11794	10483
	45	16279	15960	12928	11491
140	10	13872	13600	11016	9792
	20	16320	16000	12960	11520
	30	16320	16000	12960	11520
	40	16973	16640	13478	11981
	45	18605	18240	14774	13133
200	10	19421	19040	15422	13709
	20	22848	22400	18144	16128
	30	22848	22400	18144	16128
	40	23762	23296	18870	16773
	45	26047	25536	20684	18386
250	10	24276	23800	19278	17136
	20	28560	28000	22680	20160
	30	28560	28000	22680	20160
	40	29702	29120	23587	20966
	45	32558	31920	25855	22982

3. Sound levels

3-1. Noise level(VML-A)

① Rear inlet model1

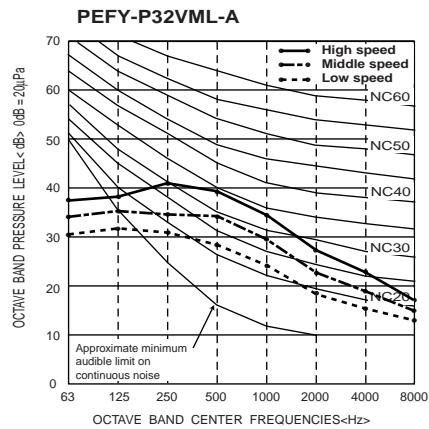
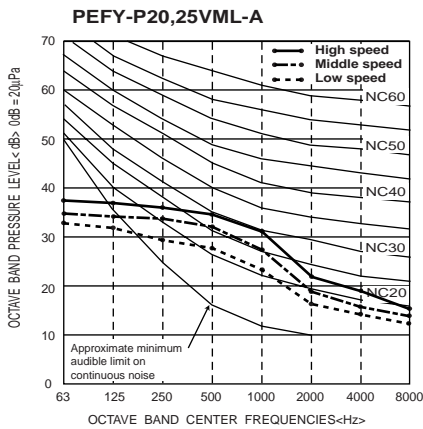


Noise level at anechoic room (Low-Mid-High) Unit : dB(A)

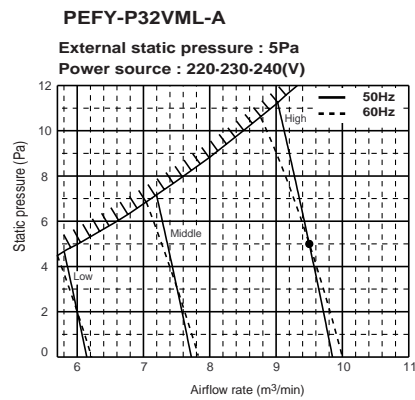
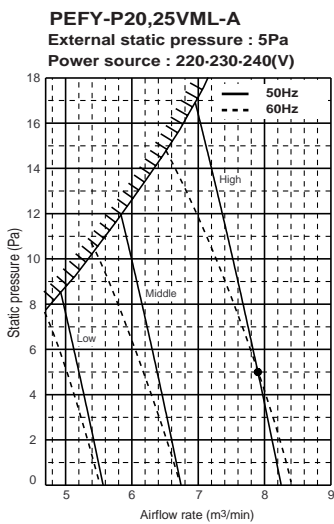
Model	Noise level (A weighted)
PEFY-P20VML-A	29-33-36
PEFY-P25VML-A	29-33-36
PEFY-P32VML-A	30-35-40

PEFY-P-VML-A/VMH-A

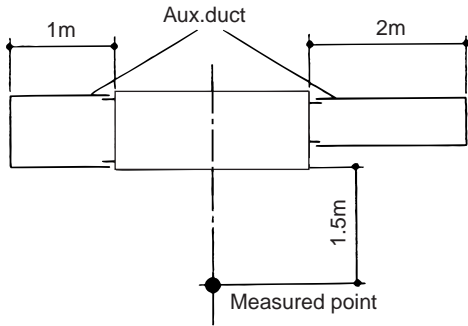
3-2. NC curves(VML-A)



3-3. Fan characteristics curves(VML-A)



3-4. Noise level(VMH-A)



Noise level at anechoic room (Low-High)

Unit : dB(A)

Model	External static pressure*	External static pressure*		
		Low	Mid	High
PEFY-P40, 50 VMH-A	220V	25-30	27-34	30-40
	230, 240V	30-34	31-37	31-41
PEFY- P63VMH-A	220V	31-36	32-38	36-43
	230, 240V	35-39	36-41	38-44
PEFY- P71VMH-A	220V	30-36	32-39	35-43
	230, 240V	34-39	35-41	37-44
PEFY- P80VMH-A	220V	32-39	35-41	37-43
	230, 240V	37-41	38-43	39-45
PEFY-P100, 125, 140VMH-A	220V	32-40	34-42	36-46
	230, 240V	36-42	38-44	38-47
PEFY- P200VMH-A	380V	42	-	45
	400, 415V	44	-	47
PEFY- P250VMH-A	380V	50	-	52
	400, 415V	52	-	54

* PEFY-P40~140VMH-A

Low : 50Pa (at 220V) / 100Pa (at 230, 240V)

Mid : 100Pa (at 220V) / 150Pa (at 230, 240V)

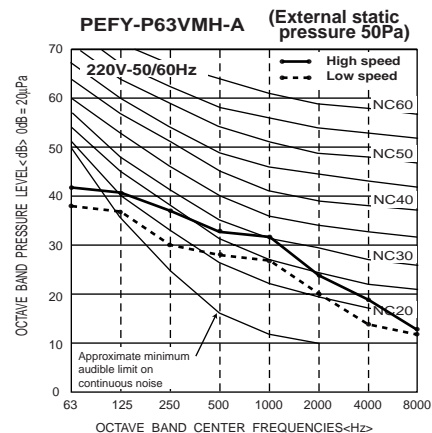
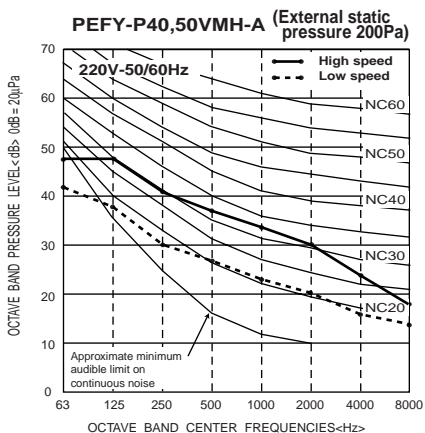
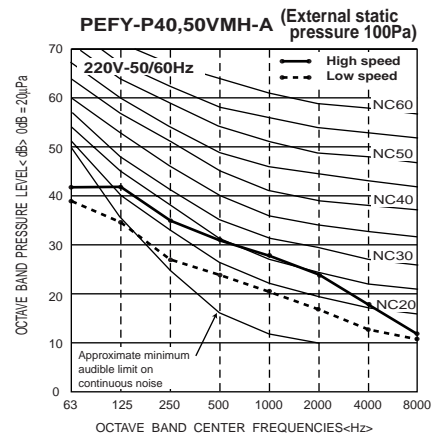
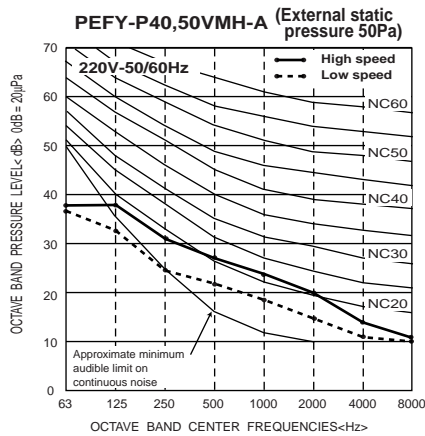
High : 200Pa (at 220, 230, 240V)

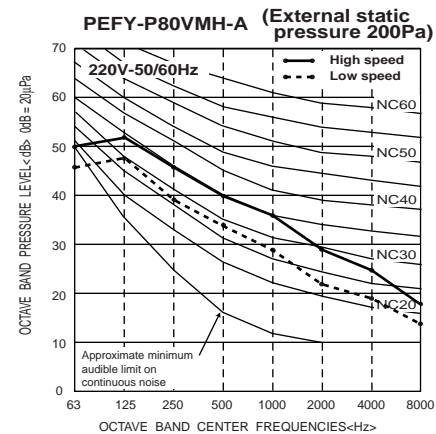
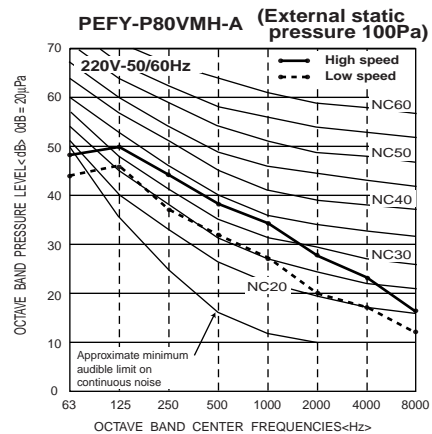
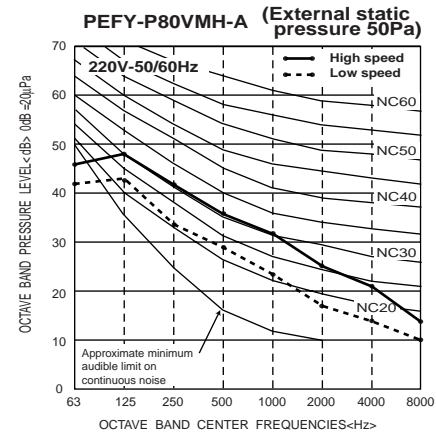
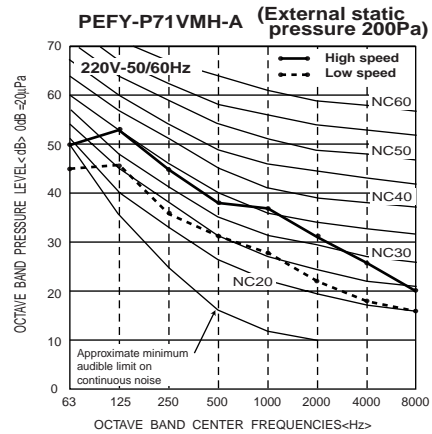
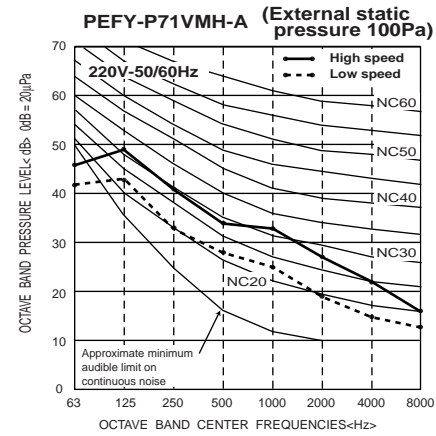
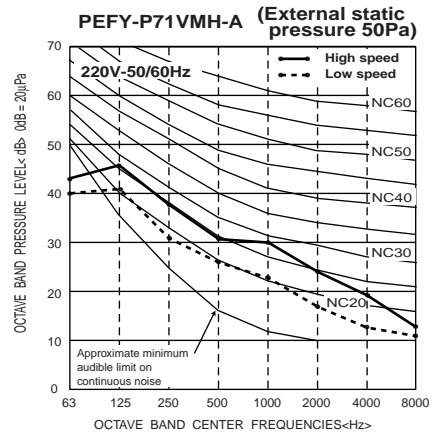
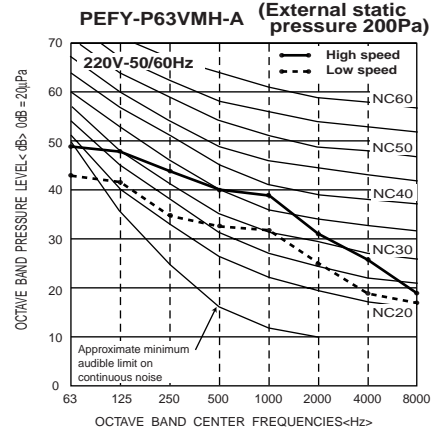
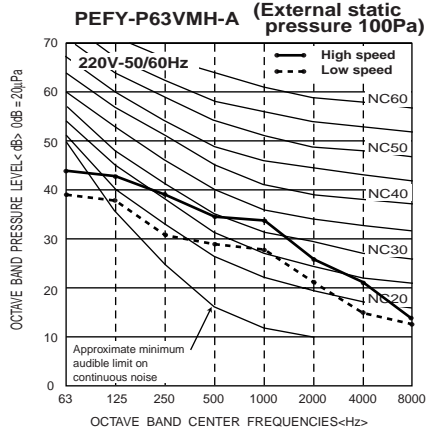
* PEFY-P200, 250VMH-A

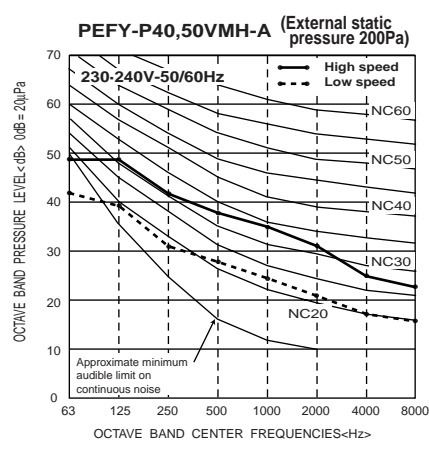
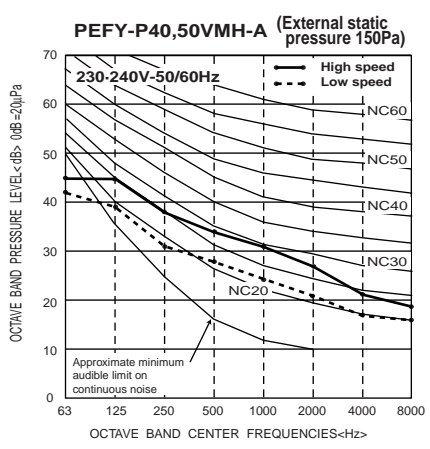
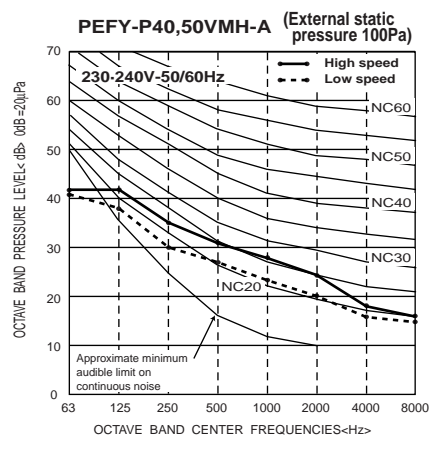
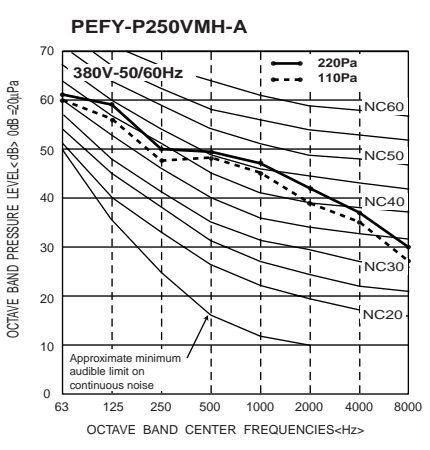
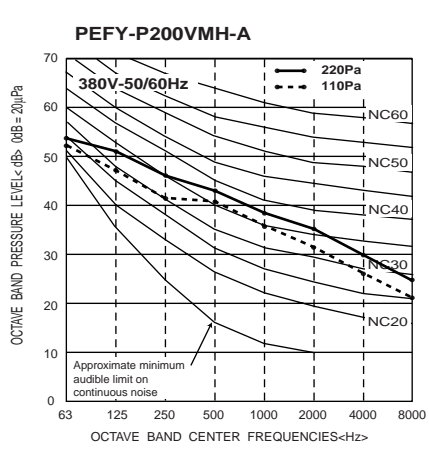
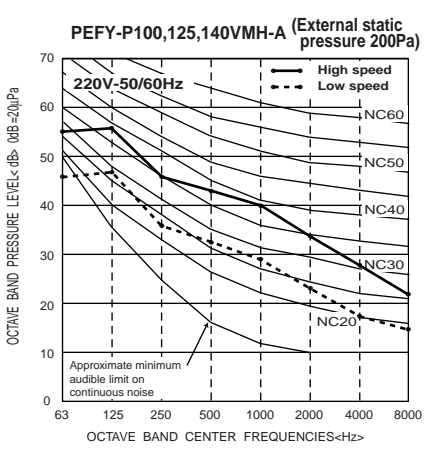
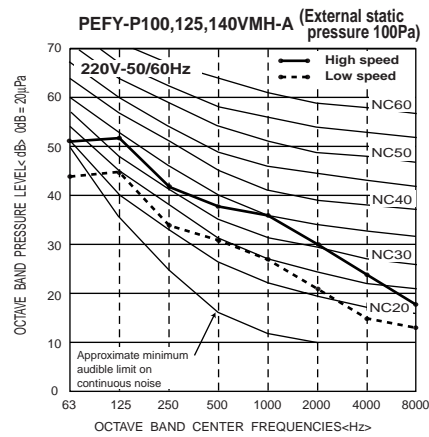
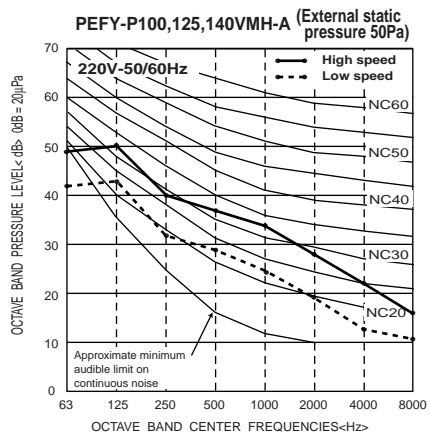
Low : 110Pa (at 380V) / 130Pa (at 400, 415V)

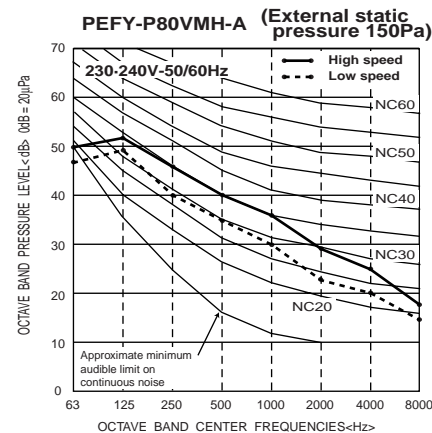
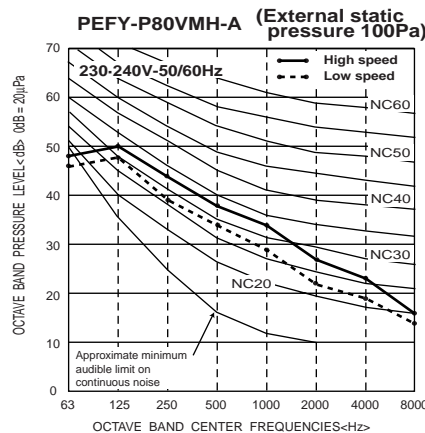
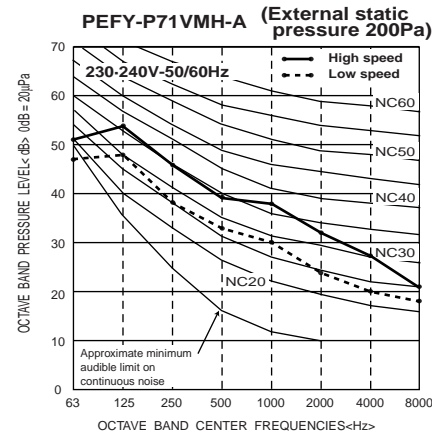
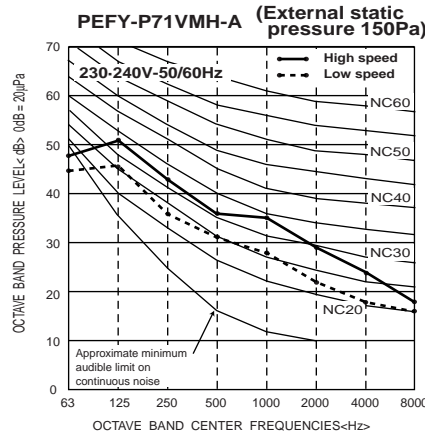
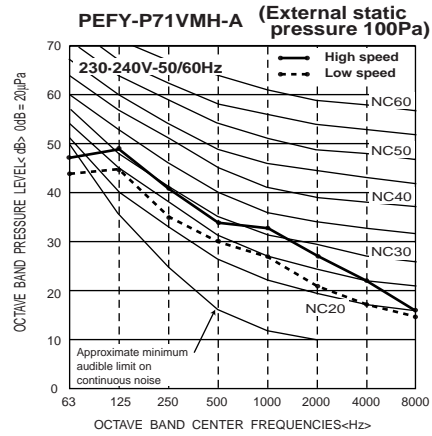
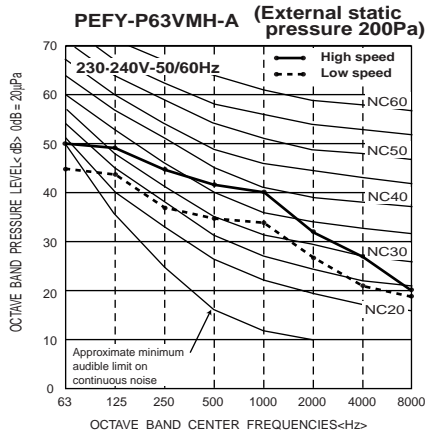
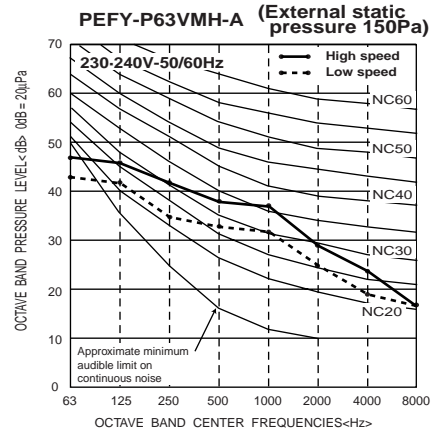
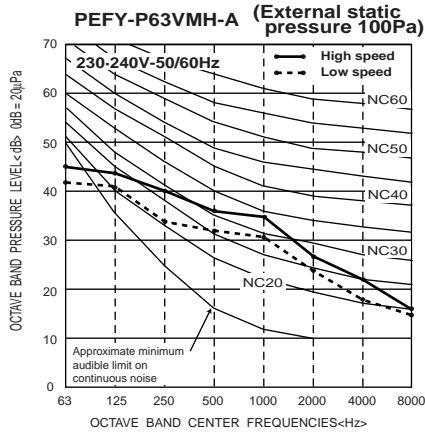
High : 220Pa (at 380V) / 260Pa (at 400, 415V)

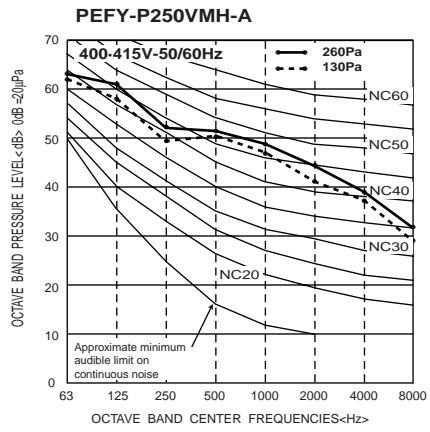
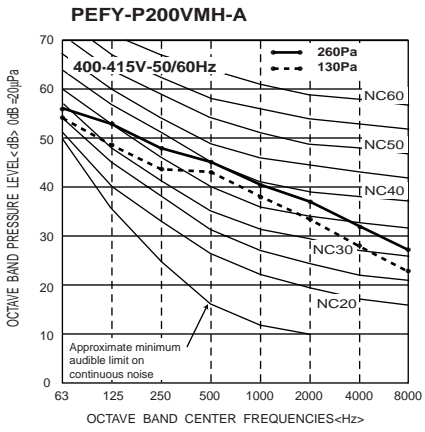
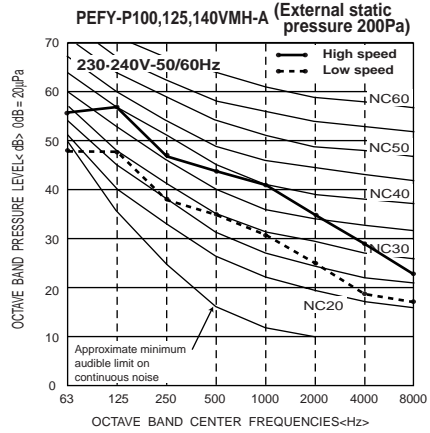
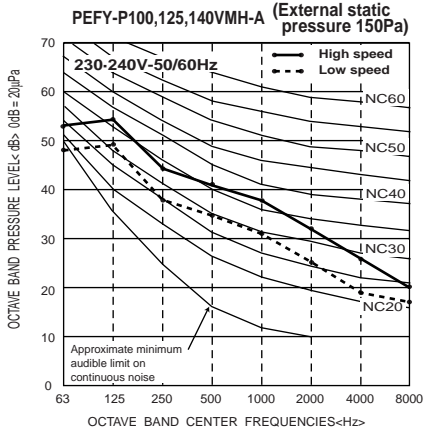
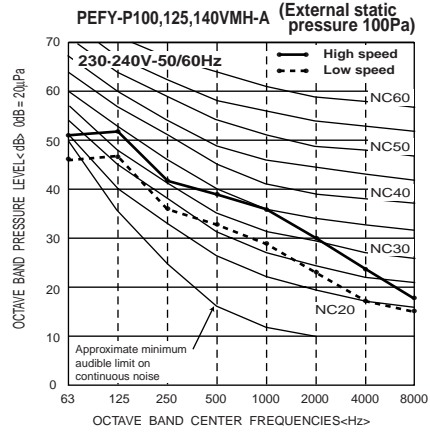
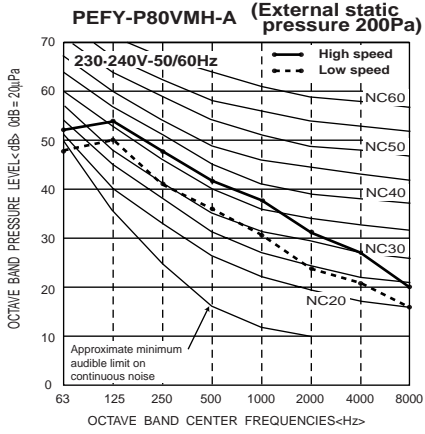
3-5. NC curves(VMH-A)





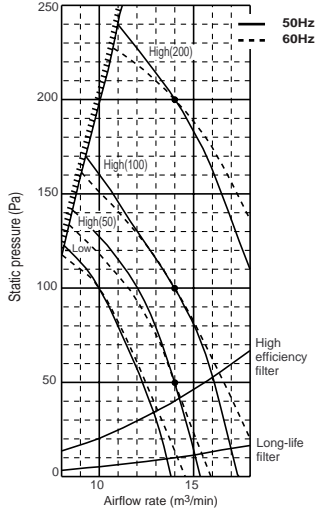




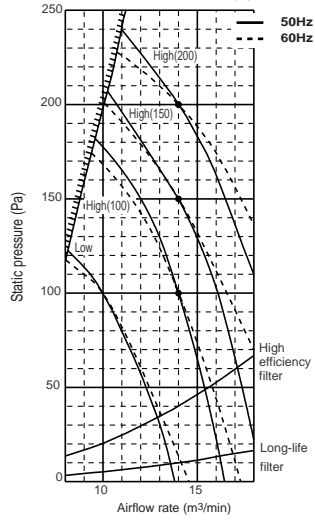


3-6. Fan characteristics curves(VMH-A)

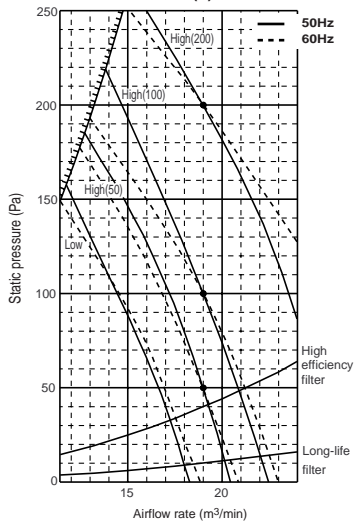
PEFY-P40,50VMH-A
 Suction : Back inlet
 External static pressure : 50,100,200Pa
 Power source : 220(V)



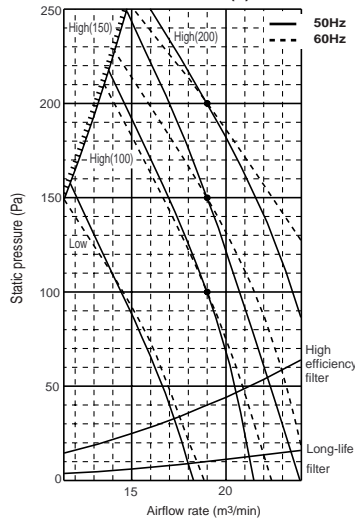
PEFY-P40,50VMH-A
 Suction : Back inlet
 External static pressure : 100,150,200Pa
 Power source : 230,240(V)



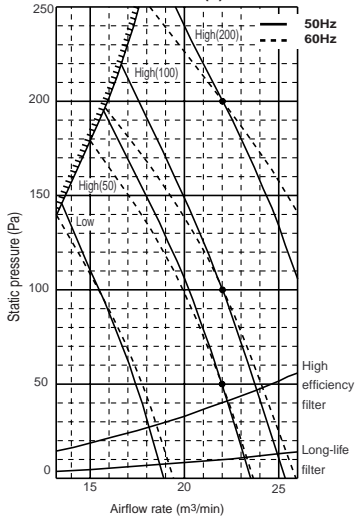
PEFY-P63VMH-A
 Suction : Back inlet
 External static pressure : 50,100,200Pa
 Power source : 220(V)



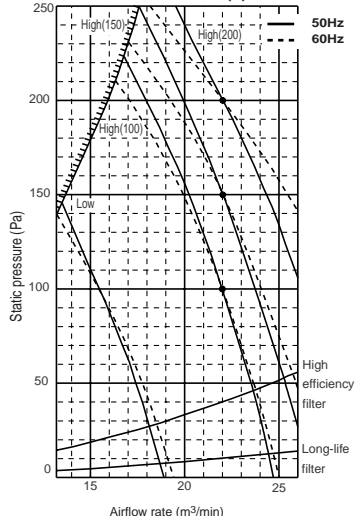
PEFY-P63VMH-A
 Suction : Back inlet
 External static pressure : 100,150,200Pa
 Power source : 230-240(V)



PEFY-P71VMH-A
 Suction : Back inlet
 External static pressure : 50,100,200Pa
 Power source : 220(V)



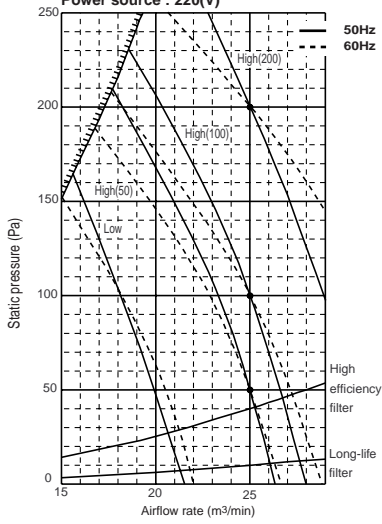
PEFY-P71VMH-A
 Suction : Back inlet
 External static pressure : 100,150,200Pa
 Power source : 230-240(V)



PEFY-P-VML-A/VMH-A

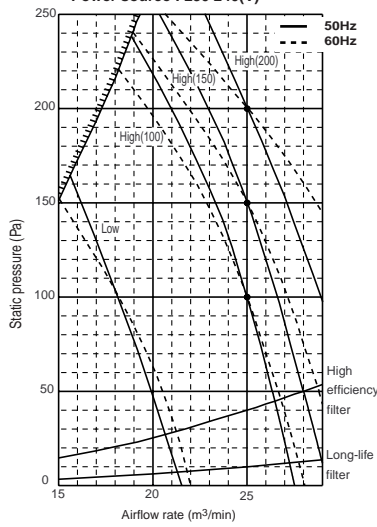
PEFY-P80VMH-A

Suction : Back inlet
External static pressure : 50,100,200Pa
Power source : 220(V)



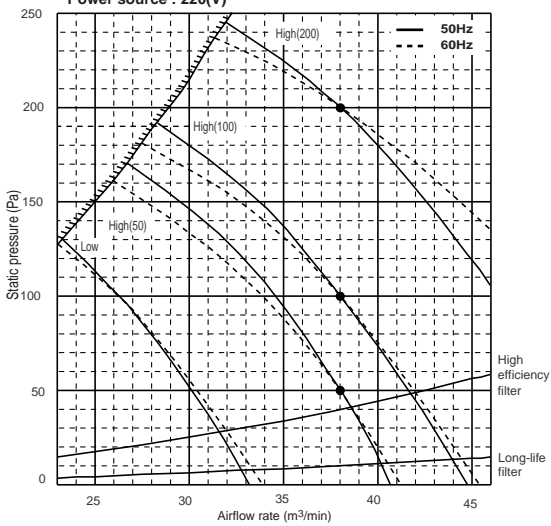
PEFY-P80VMH-A

Suction : Back inlet
External static pressure : 100,150,200Pa
Power source : 230-240(V)



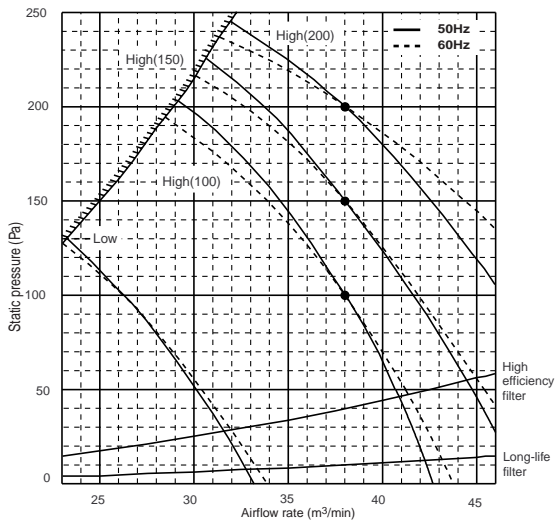
PEFY-P100-125VMH-A

Suction : Back inlet
External static pressure : 50,100,200Pa
Power source : 220(V)



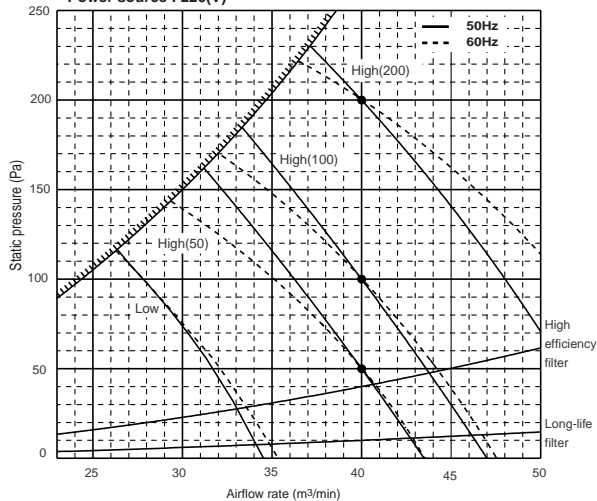
PEFY-P100-125VMH-A

Suction : Back inlet
External static pressure : 100,150,200Pa
Power source : 230-240(V)



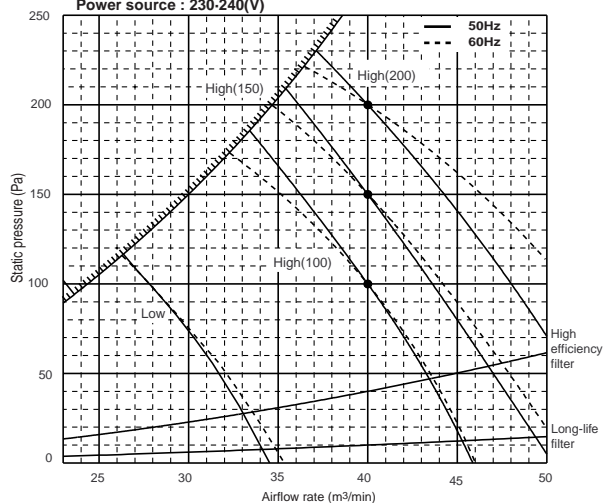
PEFY-P140VMH-A

Suction : Back inlet
External static pressure : 50,100,200Pa
Power source : 220(V)



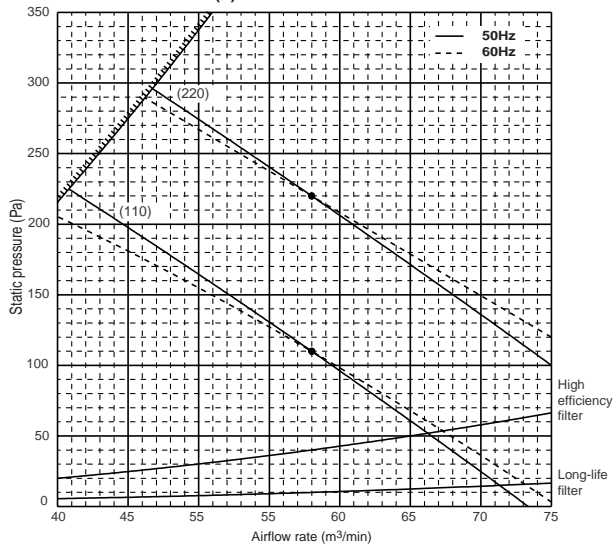
PEFY-P140VMH-A

Suction : Back inlet
External static pressure : 100,150,200Pa
Power source : 230-240(V)



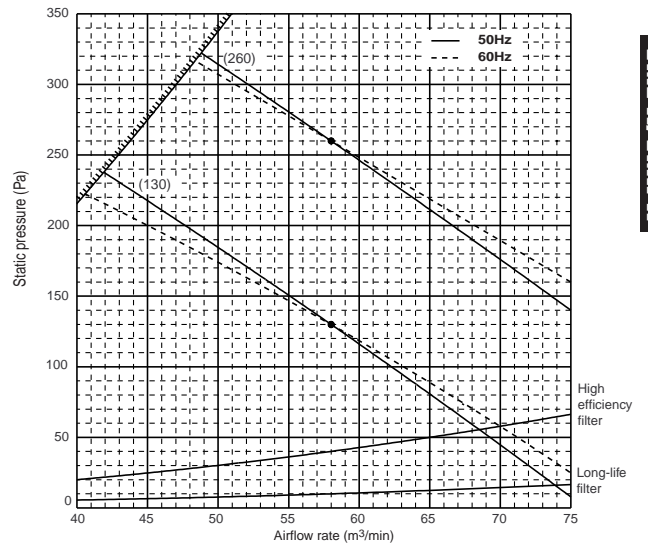
PEFY-P200VMH-A

Suction : Back inlet
 External static pressure : 110,220Pa
 Power source : 380(V)



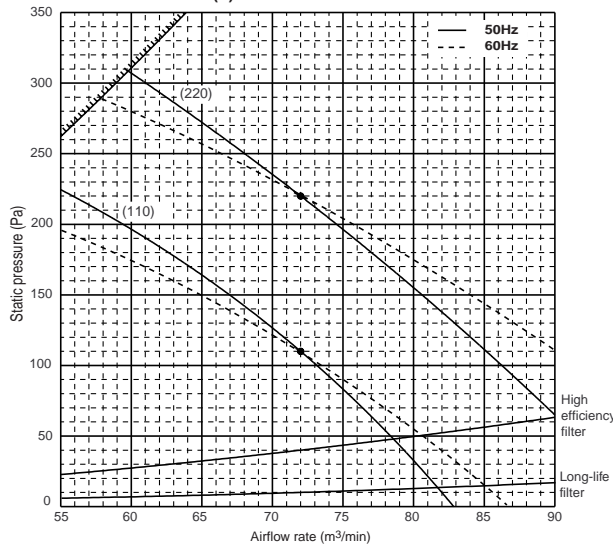
PEFY-P200VMH-A

Suction : Back inlet
 External static pressure : 130,260Pa
 Power source : 400-415(V)



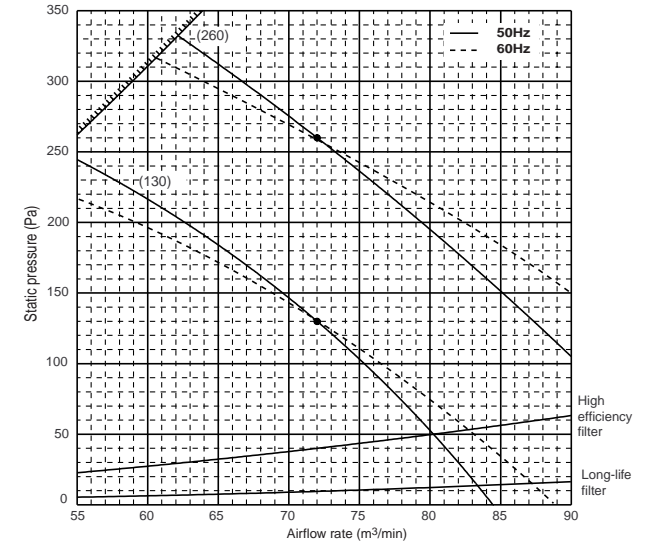
PEFY-P250VMH-A

Suction : Back inlet
 External static pressure : 110,220Pa
 Power source : 380(V)



PEFY-P250VMH-A

Suction : Back inlet
 External static pressure : 130,260Pa
 Power source : 400-415(V)



PEFY-P-VML-A/VMH-A

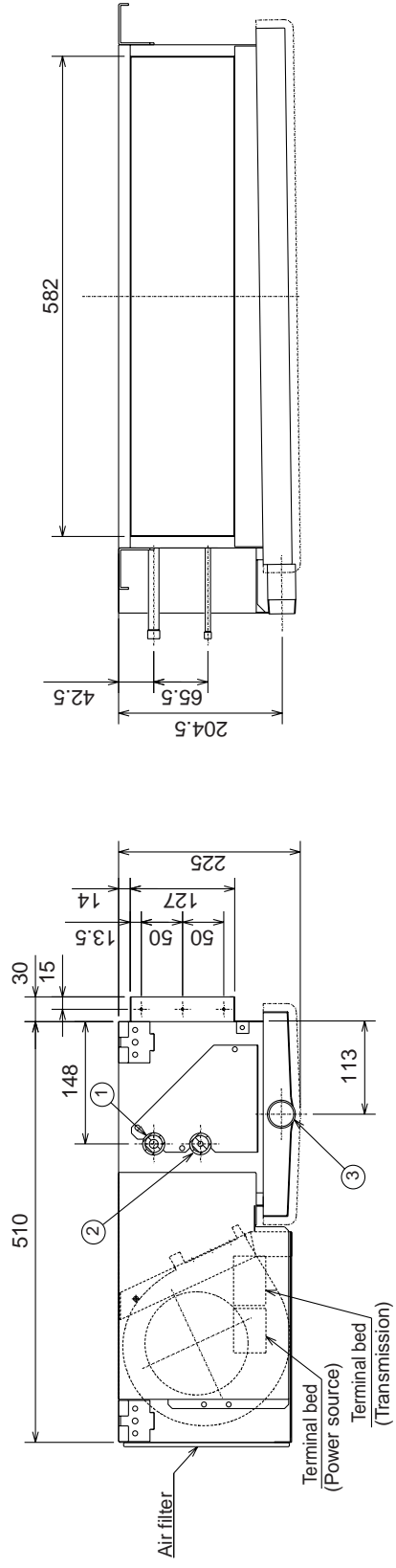
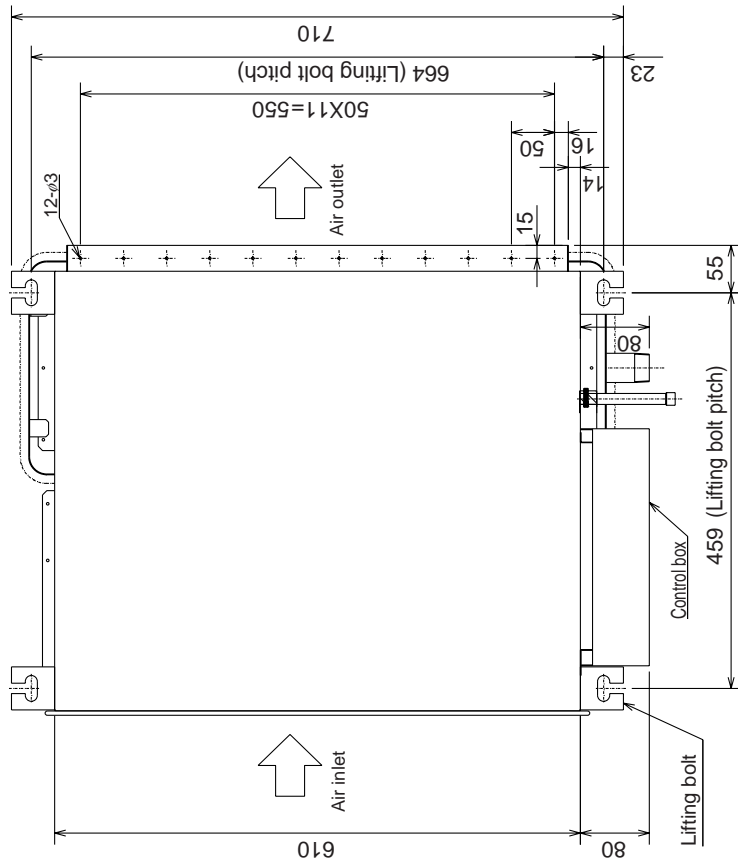
4. External Dimensions

PEFY-P-
VML-A/VMH-A

PEFY-P20,25,32VML-A

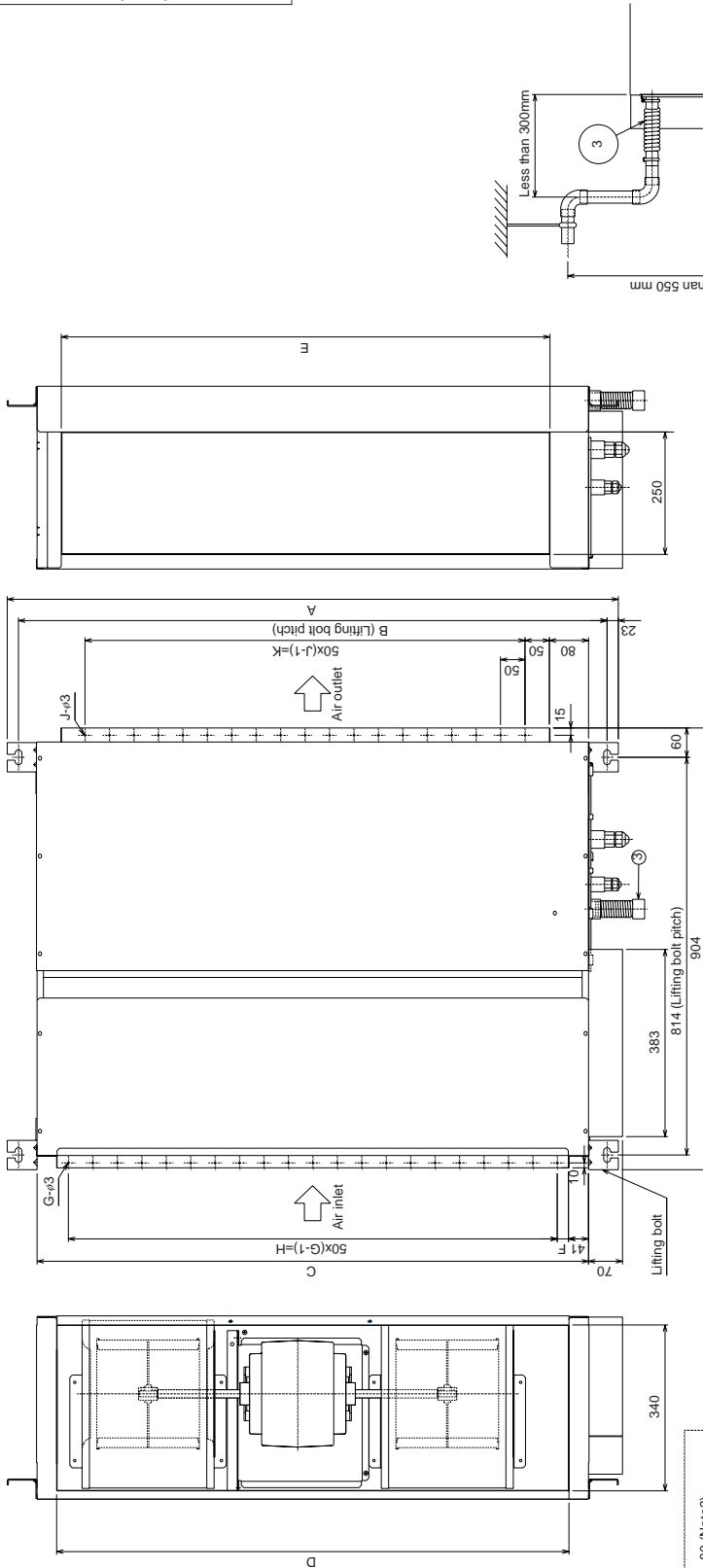
Unit : mm

- Note1. Use M10 screw for the lifting bolt (field supply).
 2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.
- Refrigerant piping brazing connection (gas ϕ 12.7 copper tube): HP ①
 Refrigerant piping brazing connection (liquid ϕ 6.35 copper tube): LP ②
 Drain piping connection R1 (External thread) ③

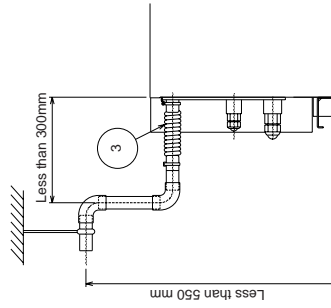


PEFY-P40,50,63,71,80,
100,125,140VMH-A

Unit : mm

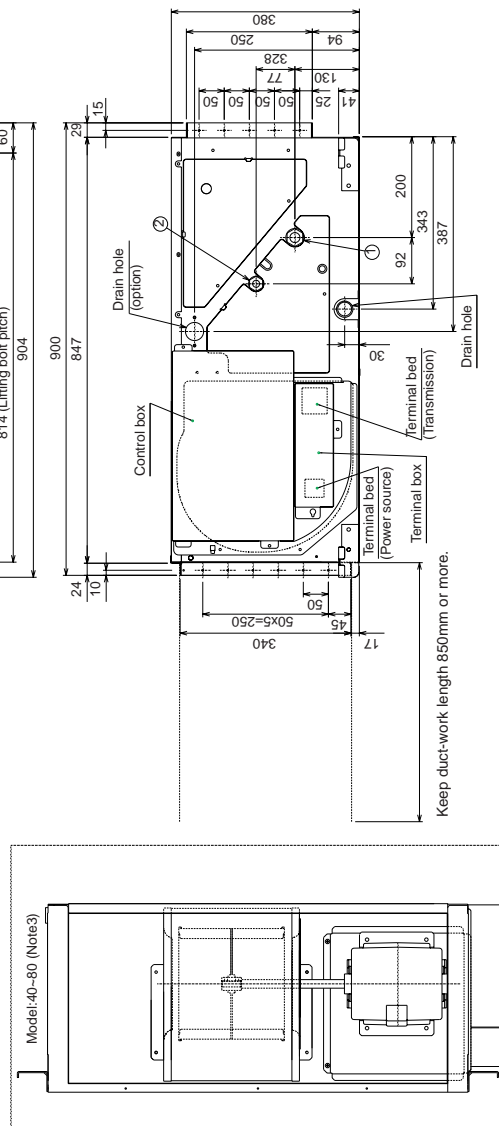


When installing the drain water lifting-up mech(option).



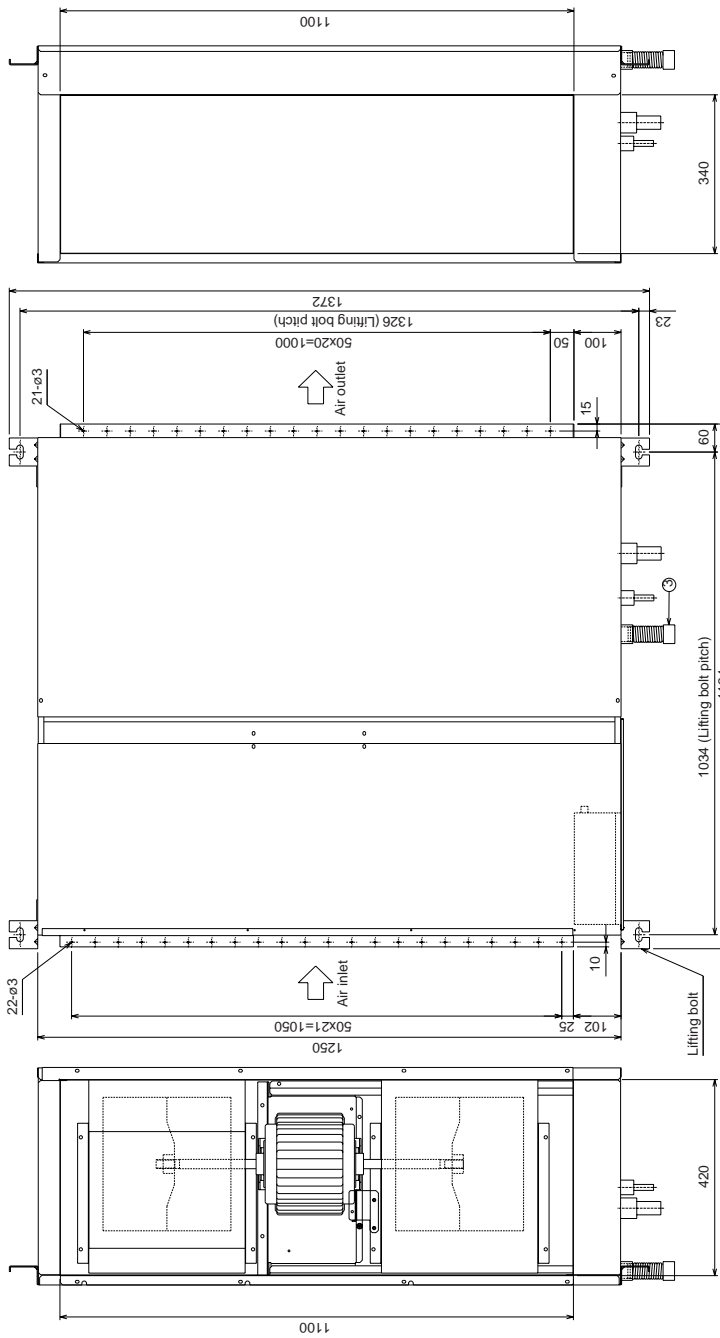
Model	A	B	C	D	E	F	G	H	J	K	M	N
PEFY-P40VMH-A	800	754	680	600	550	50	11	500	10	450	ø12.7	ø6.35
PEFY-P50-63VMH-A	800	754	680	600	550	50	11	500	10	450	ø15.88	ø9.52
PEFY-P71-80VMH-A	1050	1004	930	850	800	25	17	800	15	700	ø15.88	ø9.52
PEFY-P100-125-140VMH-A	1250	1204	1130	1050	1000	25	21	1000	19	900	ø19.05	ø9.52

- Note 1. Use M10 screw for the lifting bolt (field supply).
 2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.
 3. This chart indicates for PEFY-P100-125-140VMH-A models, which has 2 fans.
 PEFY-P40-50-63-71-80 models have 1 fan.
 4. Make sure to install the air filter(field supply) on the air intake side.
 In case field supplied air filter is used, attach it where the filter service is easily done.
 Refrigerant piping flare connection (gas: M copper tube): HP ... ①
 Refrigerant piping flare connection (liquid: N copper tube): LP ... ②
 Drain hose 32mm(1-1/4inch) -flexible joint 200mm-> (accessory) ... ③



PEFY-P-
VMH-A/VMH-A

PEFY-P200, 250VMH-A

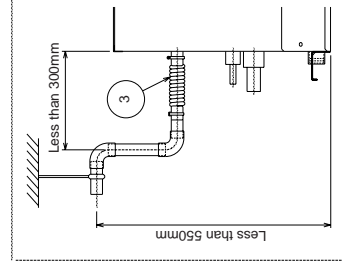


- Note 1. Use M10 screw for the lifting bolt (field supply).
 2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.
 3. Make sure to install the air filter(field supply) on the air intake side.
 In case field supplied air filter is used, attach it where the filter service is easily done.

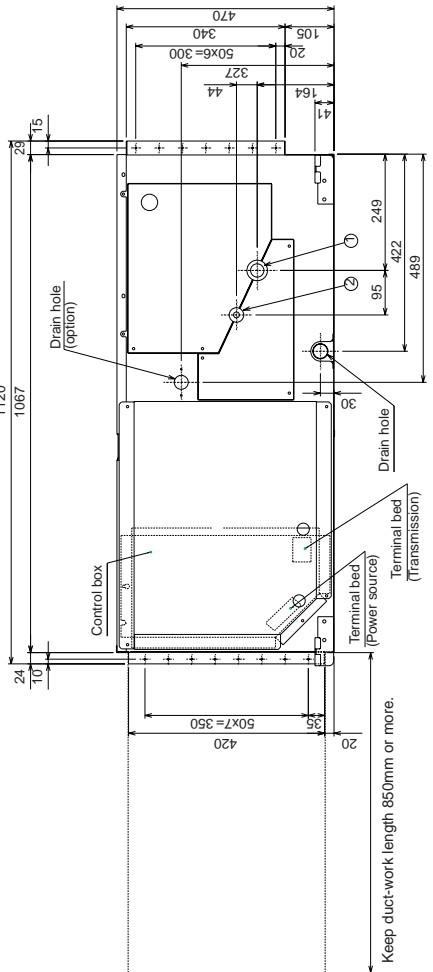
Model	A	B
PEFY-P200VMH-A	ø25.4	ø12.7
PEFY-P250VMH-A	ø28.58	ø12.7

Refrigerant piping brazing connection (gas A copper tube): HP ...①
 Refrigerant piping brazing connection (liquid B copper tube): LP ...②
 Drain hose 32mm(1-1/4inch) -flexible joint 200mm (accessory) ...③

Unit : mm



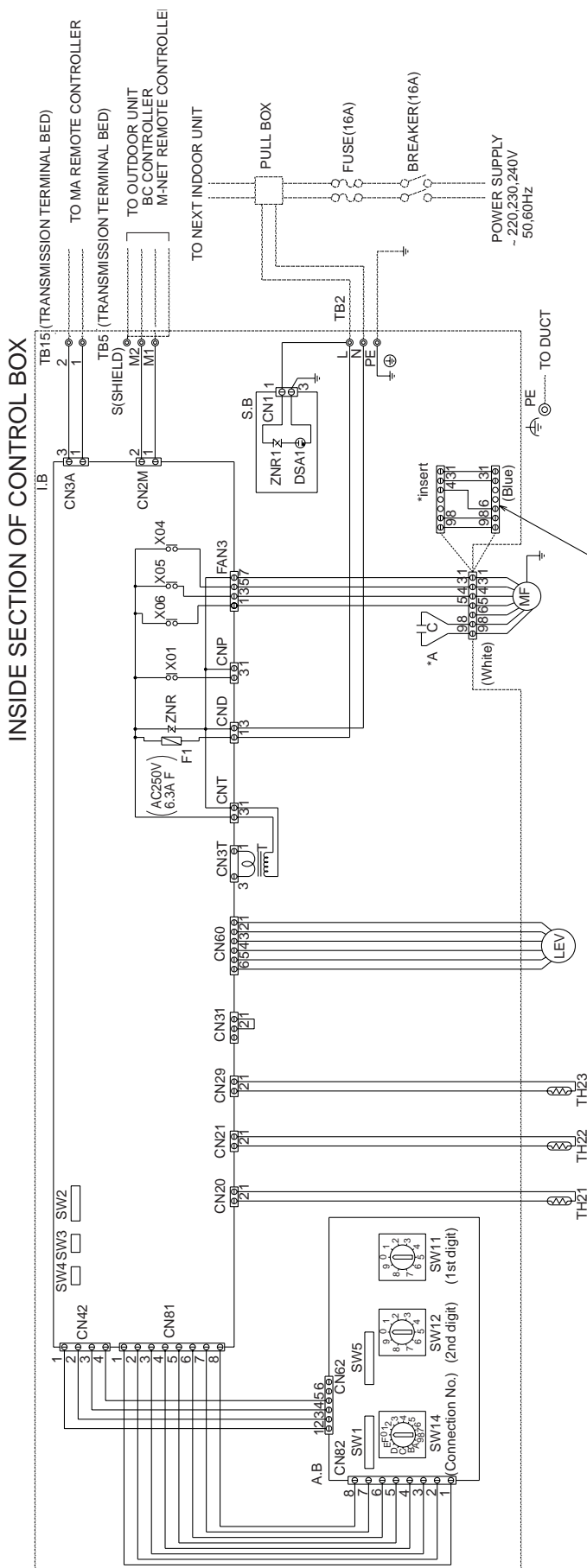
When installing the drain water lifting-up mech(option).



Keep duct-work length 850mm or more.

5. Electrical Wiring Diagrams

PEFY-P20~32VML-A



The motor connector is connected with 230V,240V power at factory shipment. If 220V power is used, insert the attachment.
 Color/Power source
 White/230V,240V
 Blue/220V

NOTE;1. The wirings to TB2, TB5 shown in dotted line are field work.
 2. Mark ⊕ indicates terminal bed, ⊖ connector, ⊕ board insertion connector or fastening connector of control board.

*A Capacitor
 MODELS 20/25 1.5μF
 MODEL 32 2.0μF

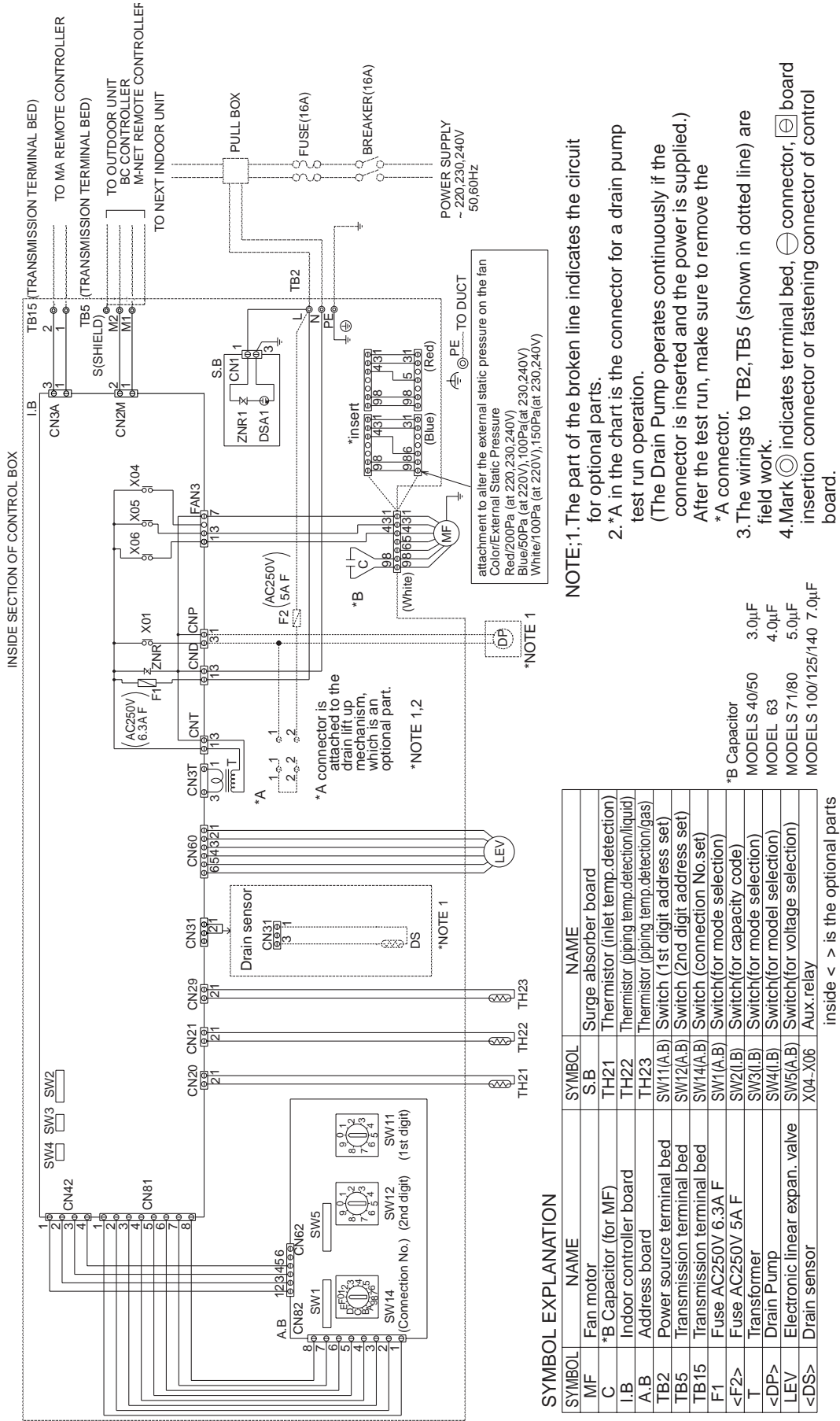
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH21	Thermistor (inlet temp.detection)
C	*A Capacitor (for MF)	TH22	Thermistor (piping temp.detection/liquid)
I.B	Indoor controller board	TH23	Thermistor (piping temp.detection/gas)
A.B	Address board	SW11(A.B)	Switch (1st digit address set)
TB2	Power source terminal bed	SW12(A.B)	Switch (2nd digit address set)
TB5	Transmission terminal bed	SW14(A.B)	Switch (connection No.set)
TB15	Transmission terminal bed	SW1(A.B)	Switch (for mode selection)
T	Fuse AC250V 6.3A F	SW2(LB)	Switch (for capacity code)
F1	Transformer	SW3(LB)	Switch (for mode selection)
LEV	Electronic linear expans. valve	SW4(LB)	Switch (for model selection)
S.B	Surge absorber board	SW5(A.B)	Switch (for voltage selection)
X04~X06	Aux.relay		

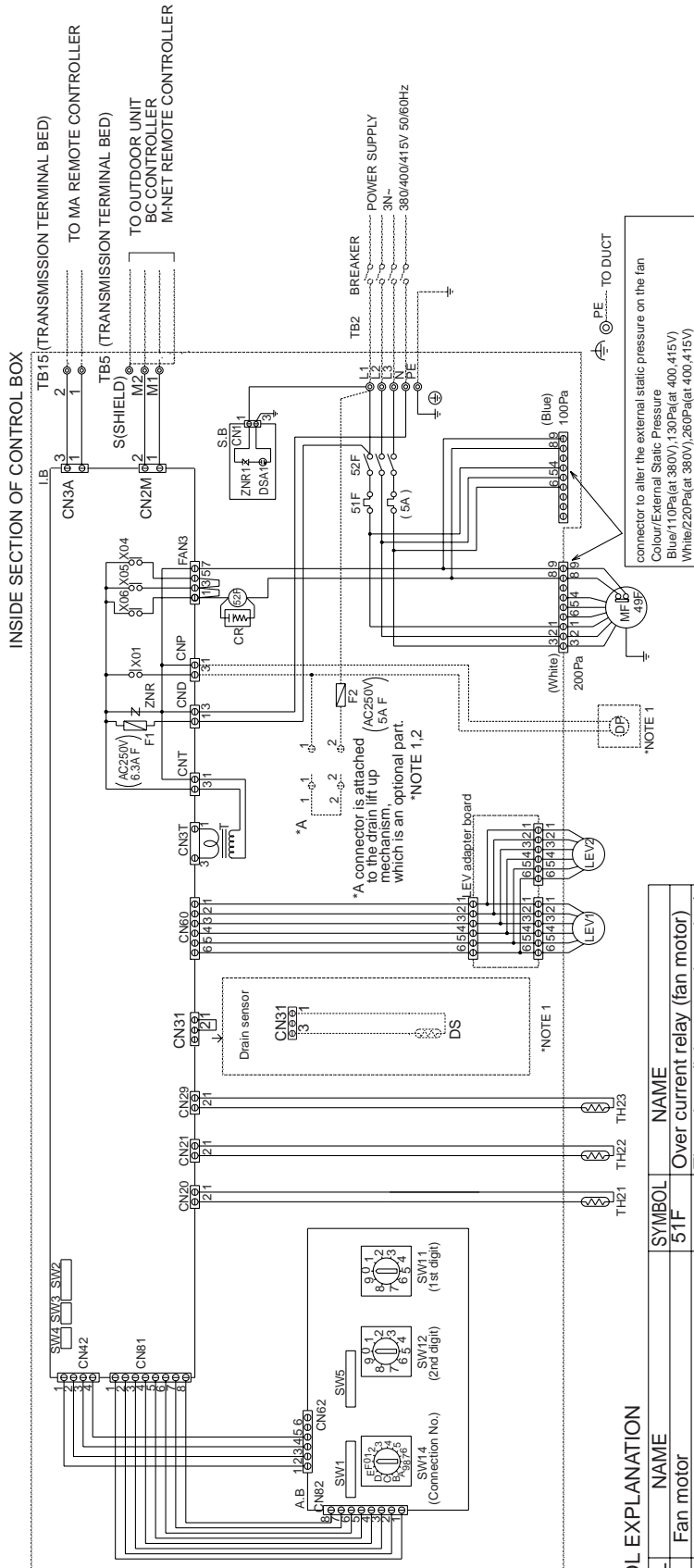


PEFY-P40~140VMH-A

**PEFY-P-
VML-A/VMH-A**



PEFY-P200•250VMH-A



CAUTION; To protect Fan motor from abnormal current, Over current relays<51F> is installed. Therefore, do not change factory set value of Over current relays.

- NOTE;1.** The part of the broken line indicates the circuit for optional parts.
 2. *A in the chart is the connector for a drain pump test run operation. (The Drain Pump operates continuously if the connector is inserted and the power is supplied.)
 After the test run, make sure to remove the *A connector.
 3. The wirings to TB2, TB5 shown in dotted line are field work.
 4. Mark ⊙ indicates terminal bed, ⊖ connector, ⊞ board insertion connector or fastening connector of control board.

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	51F	Over current relay (fan motor)
I.B	Fan motor controller board	TH21	Thermistor (inlet temp.detection)
A.B	Address board	TH22	Thermistor (piping temp.detection/liquid)
TB2	Power source terminal bed	TH23	Thermistor (piping temp.detection/gas)
TB5	Transmission terminal bed	SW11(A,B)	Switch (1st digit address set)
TB15	Transmission terminal bed	SW12(A,B)	Switch (2nd digit address set)
F1	Fuse AC250V 6.3A F	SW14(A,B)	Switch (connection No.set)
<F2>	Fuse AC250V 5A F	SW1(A,B)	Switch(for mode selection)
T	Transformer	SW2(L,B)	Switch(for capacity code)
<DP>	Drain Pump	SW3(L,B)	Switch(for mode selection)
LEV1/LEV2	Electronic linear expan. valve	SW4(L,B)	Switch(for model selection)
<DS>	Drain sensor	SW5(A,B)	Switch(for voltage selection)
S.B	Surge absorber board	X04-X06	Aux. relay
52F	Contactora (fan motor)	49F	Inner thermostat

inside < > is the optional parts



6. Options

PEFY-P-
VMI-A/VMH-A

Description	Model	Applicable capacity
Long life filter	PAC-KE32LAF-F	P20/P25/P32
	PAC-KE86LAF	P40/P50/P63
	PAC-KE88LAF	P71/P80
	PAC-KE89LAF	P100/P125/P140
	PAC-KE85LAF	P200/P250
Filter box	PAC-KE63TB-F	P40/P50/P63
	PAC-KE80TB-F	P71/P80
	PAC-KE140TB-F	P100/P125/P140
	PAC-KE250TB-F	P200/P250
Drain water lift-up kit	PAC-KE04DM-F	P40/P50/P63/P71/P80/P100 P125/P140/P200/P250