



### Key Technologies


### Technical specifications

MODEL			PEFY-M20VMA-A	PEFY-M25VMA-A	PEFY-M32VMA-A	PEFY-M40VMA-A
Power			1-phase 220-230-240 V 50 Hz			
Capacity in cooling mode *1		kW	2.2	2.8	3.6	4.5
		Btu/h	7,500	9,600	12,300	15,400
Capacity in heating mode*1		kW	2.5	3.2	4.0	5.0
		Btu/h	8,500	10,900	13,600	17,100
Power consumption	Cooling	kW	0.032	0.032	0.044	0.047
	Heating	kW	0.030	0.030	0.042	0.045
Current	Cooling	A	0.25	0.25	0.34	0.37
	Heating	A	0.25	0.25	0.34	0.37
External finish			Galvanized steel plate			
Dimensions HxLxW		mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732
Net weight		kg	21	21	21	25
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
Fan	Type x Quantity		Sirocco x 1	Sirocco x 1	Sirocco x 1	Sirocco x 2
	Air flow (low-medium-high)	m³/min	6.0 - 7.5 - 8.5	6.0 - 7.5 - 8.5	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0
		l/s	100 - 125 - 142	100 - 125 - 142	125 - 150 - 175	167 - 200 - 233
		cfm	212 - 265 - 300	212 - 265 - 300	265 - 318 - 371	353 - 424 - 494
External static press *2	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	
Motor	Type		DC Motor			
	Power output	kW	0.085	0.085	0.085	0.121
Air filter			Polypropylene honeycomb fabric (washable)			
Refrigerant pipe diameter	Gas (brazed)	mm	12.7	12.7	12.7	12.7
	Liquid (brazed)	mm	6.35	6.35	6.35	6.35
Local drain pipe diameter			O.D.32 (1-1/4")	O.D.32 (1-1/4")	O.D.32 (1-1/4")	O.D.32 (1-1/4")
Sound pressure (low-medium-high)*3		dB(A)	21 - 25 - 27	21 - 25 - 27	23 - 27 - 30	23 - 28 - 31

\*1 For heating/cooling capacity, the maximum value with the unit operating in the following conditions is given.  
 Cooling: indoor 27°C (81°F) DB/19°C (66°F) WB, outdoor 35°C (95°F) DB. Heating: indoor 20°C (68°F) DB, outdoor 7°C (45°F) DB/6°C (43°F) WB.  
 \*2 The factory setting of airflow mode and external static pressure mode is shown without < > .  
 \*3 Measured in anechoic chamber with 230V mains power and at the factory setting of external static pressure.

### Technical specifications

MODEL			PEFY-M50VMA-A	PEFY-M63VMA-A	PEFY-M71VMA-A	PEFY-M80VMA-A	
Power	1-phase 220-230-240 V 50 Hz						
Capacity in cooling mode *1	kW		5.6	7.1	8.0	9.0	
	Btu/h		19,100	24,200	27,300	30,700	
Capacity in heating mode*1	kW		6.3	8.0	9.0	10.0	
	Btu/h		21,500	27,300	30,700	34,100	
Power consumption	Cooling	kW	0.066	0.087	0.080	0.080	
	Heating	kW	0.064	0.085	0.078	0.078	
Current	Cooling	A	0.51	0.66	0.57	0.57	
	Heating	A	0.51	0.66	0.57	0.57	
External finish	Galvanized steel plate						
Dimensions HxLxW	mm		250 x 900 x 732	250 x 900 x 732	250 x 1,100 x 732	250 x 1,100 x 732	
Net weight	kg		25	27	30	30	
Heat exchanger	Cross fin (Aluminum fin and copper tube)						
Fan	Type x Quantity		Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2	
	Air flow (low-medium-high)	m <sup>3</sup> /min	12.0 - 14.5 - 17.0	13.5 - 16.0 - 19.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	
		l/s	200 - 242 - 283	225 - 267 - 317	242 - 300 - 350	242 - 300 - 350	
		cfm	424 - 512 - 600	477 - 565 - 671	512 - 636 - 742	512 - 636 - 742	
External static press <sup>2</sup>	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>		
Motor	Type	DC Motor					
	Power output	kW	0.121	0.121	0.121	0.121	
Air filter	Polypropylene honeycomb fabric (washable)						
Refrigerant pipe diameter	Gas (brazed)	mm	12.7	15.88	15.88	15.88	
	Liquid (brazed)	mm	6.35	9.52	9.52	9.52	
Local drain pipe diameter	O.D.32 (1-1/4")						
Sound pressure (low-medium-high)*3	dB(A)		24 - 31 - 34	27 - 31 - 35	25 - 31 - 34	25 - 31 - 34	

\*1 For heating/cooling capacity, the maximum value with the unit operating in the following conditions is given.  
Cooling: indoor 27°C (81°F) DB/19°C (66°F) WB, outdoor 35°C (95°F) DB. Heating: indoor 20°C (68°F) DB, outdoor 7°C (45°F) DB/6°C (43°F) WB.  
\*2 The factory setting of airflow mode and external static pressure mode is shown without < >.  
\*3 Measured in anechoic chamber with 230V mains power

### Technical specifications

MODEL			PEFY-M100VMA-A	PEFY-M125VMA-A	PEFY-M140VMA-A	
Power	1-phase 220-230-240 V 50 Hz					
Capacity in cooling mode *1	kW		11.2	14.0	16.0	
	Btu/h		38,200	47,800	54,600	
Capacity in heating mode*1	kW		12.5	16.0	18.0	
	Btu/h		42,700	54,600	61,400	
Power consumption	Cooling	kW	0.142	0.199	0.208	
	Heating	kW	0.140	0.197	0.206	
Current	Cooling	A	0.97	1.23	1.34	
	Heating	A	0.97	1.23	1.34	
External finish	Galvanized steel plate					
Dimensions HxLxW	mm		250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732	
Net weight	kg		37	38	42	
Heat exchanger	Cross fin (Aluminum fin and copper tube)					
Fan	Type x Quantity		Sirocco x 3	Sirocco x 3	Sirocco x 3	
	Air flow (low-medium-high)	m <sup>3</sup> /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0	29.5 - 35.5 - 40.0	
		l/s	383 - 467 - 533	467 - 567 - 617	492 - 592 - 667	
		cfm	812 - 989 - 1,130	989 - 1,201 - 1,306	1,042 - 1,254 - 1,412	
External static press <sup>2</sup>	Pa	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>		
Motor	Type	DC Motor				
	Power output	kW	0.300	0.300	0.300	
Air filter	Polypropylene honeycomb fabric (washable)					
Refrigerant pipe diameter	Gas (swaged)	mm	15.88	15.88	15.88	
	Liquid (swaged)	mm	9.52	9.52	9.52	
Local drain pipe diameter	O.D.32 (1-1/4")					
Sound pressure (low-medium-high)*3	dB(A)		30 - 35 - 38	34 - 38 - 40	33 - 37 - 40	

\*1 For heating/cooling capacity, the maximum value with the unit operating in the following conditions is given.  
Cooling: indoor 27°C (81°F) DB/19°C (66°F) WB, outdoor 35°C (95°F) DB. Heating: indoor 20°C (68°F) DB, outdoor 7°C (45°F) DB/6°C (43°F) WB.  
\*2 The factory setting of airflow mode and external static pressure mode is shown without < >.  
\*3 Measured in anechoic chamber with 230V mains power