

Ceiling concealed type **R410A** High static pressure type PFFY-P VMHS-E

		PEFY-P40VMHS-E	PEFY-P50VMHS-E	PEFY-P63VMHS-E	PEFY-P71VMHS-E	PEFY-P80VMHS-E	PEFY-P100VMHS-E	PEFY-P125VMHS-E	PEFY-P140VMHS-E	
Power source		1-phase 220-230-240 V 50/60 Hz								
Cooling capacity (Nominal)	*1 kW	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	
	*1 BTU/h	15,400	19,100	24,200	27,300	30,700	38,200	47,800	54,600	
	*2 Power input	0.055	0.055	0.090	0.075	0.090	0.160	0.160	0.190	
Heating capacity (Nominal)	*3 kW	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	
	*3 BTU/h	17,100	21,500	27,300	30,700	34,100	42,700	54,600	61,400	
External finish	*2 Power input	0.055	0.055	0.090	0.075	0.090	0.160	0.160	0.190	
	*2 Current input (220-230-240 V)	A	0.41 - 0.39 - 0.38	0.41 - 0.39 - 0.38	0.64 - 0.62 - 0.59	0.54 - 0.52 - 0.50	0.63 - 0.61 - 0.58	1.05 - 1.01 - 0.96	1.05 - 1.01 - 0.96	1.24 - 1.19 - 1.14
External dimension		Galvanized steel plate								
H x W x D	mm	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	380 x 1,030 x 900	380 x 1,030 x 900	380 x 1,195 x 900	380 x 1,195 x 900	380 x 1,195 x 900	
	in.	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 40-9/16 x 35-7/16	15 x 40-9/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	
Net weight	kg (lbs)	35 (78)	35 (78)	35 (78)	45 (100)	45 (100)	51 (113)	51 (113)	53 (117)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)								
FAN	Type x Quantity	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	External static press.	Pa	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>
		mmH ₂ O	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>	5.1 - <10.2> - <15.3> - <20.4>
	Motor Type	DC motor								
	Motor output	kW	0.121	0.121	0.121	0.244	0.244	0.375	0.375	0.375
	Driving mechanism	Direct-driven by motor								
	Airflow rate (Lo-Mid-Hi)	m ³ /min	10.0 - 12.0 - 14.0	10.0 - 12.0 - 14.0	13.5 - 16.0 - 19.0	15.5 - 18.0 - 22.0	18.0 - 21.5 - 25.0	26.5 - 32.0 - 38.0	26.5 - 32.0 - 38.0	28.0 - 34.0 - 40.0
		L/s	167 - 200 - 233	167 - 200 - 233	225 - 267 - 317	258 - 300 - 367	300 - 358 - 417	442 - 533 - 633	442 - 533 - 633	467 - 567 - 667
		cfm	353 - 424 - 494	353 - 424 - 494	477 - 565 - 671	547 - 636 - 777	636 - 759 - 883	936 - 1,130 - 1,342	936 - 1,130 - 1,342	989 - 1,201 - 1,412
	Sound pressure level (measured in anechoic room)	*2 dB<A>	20-23-27	20-23-27	24-27-32	24-26-30	25-27-30	27-31-34	27-31-34	27-32-36
Air filter		Option: Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.								
Refrigerant piping diameter	Liquid	mm (in.)	6.35 (1/4) Brazed	6.35 (1/4) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	
	Gas	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
Field drain pipe size	mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	

		PEFY-P200VMHS-E	PEFY-P250VMHS-E	
Power source		1-phase 220-240V 50Hz / 1-phase 220-240V 60Hz		
Cooling capacity	*1 kW	22.4	28.0	
	*1 BTU/h	76,400	95,500	
Heating capacity	*3 kW	25.0	31.5	
	*3 BTU/h	85,300	107,500	
Power consumption	*2 Cooling kW	0.63	0.82	
	Heating kW	0.63	0.82	
Current	*2 Cooling 220-230-240V A	3.47-3.32-3.18	4.72-4.43-4.14	
	Heating 220-230-240V A	3.47-3.32-3.18	4.72-4.43-4.14	
External finish		Galvanized steel plate		
Dimension H x W x D	mm	470 x 1,250 x 1,120		
	in.	18-9/16 x 49-1/4 x 44-1/8		
Net weight	kg (lbs)	97 (214)	100 (221)	
Heat exchanger		Cross fin (Aluminum plate fin and copper tube)		
FAN	Type x Quantity	Sirocco fan x 2		
	Airflow rate (Lo-Mid-Hi)	m ³ /min	50.0-61.0-72.0	58.0-71.0-84.0
		L/s	833-1017-1200	967-1183-1400
		cfm	1766-2154-2542	2048-2507-2966
	External static press.	Pa	<50>-<100>-150-<200>-<250>	
mmH ₂ O		<5.1>-<10.2>-15.3-<20.4>-<25.5>		
Motor	Type	DC motor		
	Output	kW	0.87	0.87
Air filter(option)		Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.		
Refrigerant pipe diameter	Gas (Braze)	mm (in.)	ø19.05 (ø3/4)	ø22.2 (ø7/8)
	Liquid (Braze)	mm (in.)	ø9.52 (ø3/8)	
Field drain pipe diameter	mm (in.)	O.D. 32 (1-1/4)		
Sound pressure level (Lo-Mid-Hi)*2	dB<A>	36-39-43	39-42-46	

Notes:

- *1 Nominal cooling conditions
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B. (95°F D.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- *2 The values are measured at the factory setting of external static pressure.
- *3 Nominal heating conditions
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

- *4 The factory setting of external static pressure is shown without < >.
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.