

# Ceiling concealed type

## High static pressure type **PEFY-P VMHS-E**

		PEFY-P40VMHS-E	PEFY-P50VMHS-E	PEFY-P63VMHS-E	PEFY-P71VMHS-E	PEFY-P80VMHS-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	
	*1 BTU/h	15,400	19,100	24,200	27,300	30,700	
	*2 Power input (220-230-240 V)	kW	0.055	0.055	0.090	0.075	0.090
	*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
Heating capacity (Nominal)	*3 kW	5.0	6.3	8.0	9.0	10.0	
	*3 BTU/h	17,100	21,500	27,300	30,700	34,100	
	*2 Power input (220-230-240 V)	kW	0.055	0.055	0.090	0.075	0.090
	*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
External finish		Galvanized steel plate					
External dimension 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	
	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	
Net weight	kg (lbs)	35 (78)	35 (78)	35 (78)	45 (100)	45 (100)	
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	
	*4 External static press.	Pa	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>
		mmH <sub>2</sub> 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>
	Motor Type	DC motor					
	Motor output	kW	0.121	0.121	0.121	0.244	0.244
	Driving mechanism	Direct-driven by motor					
	Airflow rate (Lo-Mid-Hi)	m <sup>3</sup> /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
L/s		167 - 200 - 233	167 - 200 - 233	225 - 267 - 317	258 - 300 - 367	300 - 358 - 417	
	cfm	353 - 424 - 494	353 - 424 - 494	477 - 565 - 671	547 - 636 - 777	636 - 759 - 883	
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	
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
	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
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)	

### 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.

# Ceiling concealed type

## High static pressure type PEFY-P VMHS-E

		PEFY-P100VMHS-E	PEFY-P125VMHS-E	PEFY-P140VMHS-E	PEFY-P200VMHS-E	PEFY-P250VMHS-E	
Power source		1-phase 220-230-240 V 50/60 Hz			1-phase 220-240V 50Hz / 1-phase 220-240V 60Hz		
Cooling capacity (Nominal)	*1 kW	11.2	14.0	16.0	22.4	28.0	
	*1 BTU/h	38,200	47,800	54,600	76,400	95,500	
*2	Power input kW	0.160	0.160	0.190	0.63	0.82	
	Current input (220-230-240 V) A	1.05 - 1.01 - 0.96	1.05 - 1.01 - 0.96	1.24 - 1.19 - 1.14	3.47 - 3.32 - 3.18	4.72 - 4.43 - 4.14	
Heating capacity (Nominal)	*3 kW	12.5	16.0	18.0	25.0	31.5	
	*3 BTU/h	42,700	54,600	61,400	85,300	107,500	
*2	Power input kW	0.160	0.160	0.190	0.63	0.82	
	Current input (220-230-240 V) A	1.05 - 1.01 - 0.96	1.05 - 1.01 - 0.96	1.24 - 1.19 - 1.14	3.47 - 3.32 - 3.18	4.72 - 4.43 - 4.14	
External finish		Galvanized steel plate					
External dimension H x W x D	mm	380 x 1,195 x 900	380 x 1,195 x 900	380 x 1,195 x 900	470 x 1,250 x 1,120	470 x 1,250 x 1,120	
	in.	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	18-9/16 x 49-1/4 x 44-1/8	18-9/16 x 49-1/4 x 44-1/8	
Net weight	kg (lbs)	51 (113)	51 (113)	53 (117)	97 (214)	100 (221)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)			Cross fin (Aluminum plate fin and copper tube)		
FAN	Type x Quantity	Sirocco fan x 2		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	*4 External static press.	Pa	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	50 - <100> - <150> - <200>	<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>
		mmH <sub>2</sub> 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> - <25.5>	<5.1> - <10.2> - 15.3 - <20.4> - <25.5>
	Motor Type	DC motor					
	Motor output	kW	0.375	0.375	0.375	0.870	0.870
	Driving mechanism	Direct-driven by motor			Inverter-control		
	Airflow rate (Lo-Mid-Hi)	m <sup>3</sup> /min	26.5 - 32.0 - 38.0	26.5 - 32.0 - 38.0	28.0 - 34.0 - 40.0	50.0 - 61.0 - 72.0	58.0 - 71.0 - 84.0
		L/s	442 - 533 - 633	442 - 533 - 633	467 - 567 - 667	833 - 1,017 - 1,200	967 - 1,183 - 1,400
		cfm	936 - 1,130 - 1,342	936 - 1,130 - 1,342	989 - 1,201 - 1,412	1,766 - 2,154 - 2,542	2,048 - 2,507 - 2,966
	Sound pressure level (measured in anechoic room)	*2 dB <A>	27-31-34		27-31-34	27-32-36	36-39-43
Air filter		Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.					
Refrigerant piping diameter	Liquid	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	
	Gas	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed	22.22 (7/8) Brazed
Field drain pipe size	mm (in.)	O.D.32 (1-1/4)					

**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.

VRFE Lineup

VRFE Y-Series

VRFE R2-Series

VRFE WY-Series

VRFE WR2-Series

VRFE S-Series

VRFE BC Controllers

VRFE Indoor Units

HVRF Lineup

HVRF (W)/R2-Series

HVRF Indoor Units

Technologies and Functions

Lossnay System

Remote Controller

Hot Water Solution

## Optional parts

Description	Model	Applicable capacity	Remarks	
		VMHS-E		
Drain pump	PAC-KE05DM-F	P200, P250		
	PAC-DRP10DP-E2	P40-P140		
Long life filter	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		Required when long life filter is used
	PAC-KE99TB-F	P71, P80		
	PAC-KE140TB-F	P100, P125, P140		
	PAC-KE250TB-F	P200, P250		