

1. SPECIFICATIONS

Ceiling concealed (Compact depth type)

PEFY-P-VMX-E1

Model			PEFY-P15VMX-E1	PEFY-P20VMX-E1	PEFY-P25VMX-E1	PEFY-P32VMX-E1	
Power source			1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	1.7	2.2	2.8	3.6	
	*1	BTU/h	5,800	7,500	9,600	12,300	
	*2	Power input	kW	0.057	0.073	0.079	
	*2	Current input	A	0.62	0.73	0.90	
Heating capacity (Nominal)	*3	kW	1.9	2.5	3.2	4.0	
	*3	BTU/h	6,500	8,500	10,900	13,600	
	*2	Power input	kW	0.038	0.054	0.060	
	*2	Current input	A	0.42	0.53	0.70	
External finish			Galvanized	Galvanized	Galvanized	Galvanized	
External dimension H x W x D		mm	200 x 698 x 481 (450 *5)	200 x 698 x 481 (450 *5)	200 x 698 x 481 (450 *5)	200 x 698 x 481 (450 *5)	
		in.	7-7/8 x 27-1/2 x 18-15/16 (17-3/4 *5)	7-7/8 x 27-1/2 x 18-15/16 (17-3/4 *5)	7-7/8 x 27-1/2 x 18-15/16 (17-3/4 *5)	7-7/8 x 27-1/2 x 18-15/16 (17-3/4 *5)	
Net weight		kg (lbs)	17 (38)	17 (38)	17 (38)	18 (40)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum 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	<4> - 15 - <35>	<4> - 15 - <35>	<4> - 15 - <35>	<4> - 15 - <35>	
		mmH ₂ O	<0.4> - 1.5 - <3.6>	<0.4> - 1.5 - <3.6>	<0.4> - 1.5 - <3.6>	<0.4> - 1.5 - <3.6>	
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.096	0.096	0.096	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			m ³ /min	5.0 - 6.0 - 7.0	5.0 - 6.5 - 7.5	5.5 - 7.0 - 9.0	5.5 - 7.5 - 9.0
			L/s	83 - 100 - 117	83 - 108 - 125	92 - 117 - 150	92 - 125 - 150
			cfm	177 - 212 - 247	177 - 230 - 265	194 - 247 - 318	194 - 265 - 318
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
(rear inlet)	*2	dB <A>	26-27-30	26-28-32	28-30-34	28-31-36	
(bottom inlet)	*2	dB <A>	32-37-42	32-37-42	34-39-46	38-42-47	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device			Fuse	Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
	Gas (R410A)	mm (in.)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	
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)	
Drawing	External		KS94T575	KS94T575	KS94T575	KS94T575	
	Wiring		KS94T572	KS94T572	KS94T572	KS94T572	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain hose, Tie band, Thermal insulator	Washer, Drain hose, Tie band, Thermal insulator	Washer, Drain hose, Tie band, Thermal insulator	Washer, Drain hose, Tie band, Thermal insulator	
Optional parts	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment (Rear inlet)		PAC-HA11PAR	PAC-HA11PAR	PAC-HA11PAR	PAC-HA11PAR	
	PQ attachment (Bottom inlet)		PAC-HA21PAU	PAC-HA21PAU	PAC-HA21PAU	PAC-HA21PAU	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				

Notes:

- 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.)
- The values are measured at the factory setting of external static pressure.
- 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.)
- 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.
- Duct flange and filter are excluded.

* PEFY-P15, 20, 25, 32VMX-E1 cannot be connected to PUMY-P112, 125, 140VKM5/YKM4.

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Compact depth type)

Model			PEFY-P40VMX-E1	PEFY-P50VMX-E1	PEFY-P63VMX-E1		
Power source			1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	4.5	5.6	7.1		
	*1	BTU/h	15,400	19,100	24,200		
	*2	Power input	kW	0.124	0.140	0.139	
	*2	Current input	A	1.41	1.51	1.62	
Heating capacity (Nominal)	*3	kW	5.0	6.3	8.0		
	*3	BTU/h	17,100	21,500	27,300		
	*2	Power input	kW	0.105	0.121	0.120	
	*2	Current input	A	1.21	1.31	1.42	
External finish			Galvanized	Galvanized	Galvanized		
External dimension H x W x D		mm	200 x 698 x 481 (450 *5)	200 x 948 x 481 (450 *5)	200 x 1,148 x 481 (450 *5)		
		in.	7-7/8 x 27-1/2 x 18-15/16 (17-3/4 *5)	7-7/8 x 37-3/8 x 18-15/16 (17-3/4 *5)	7-7/8 x 45-1/4 x 18-15/16 (17-3/4 *5)		
Net weight		kg (lbs)	18 (40)	22 (49)	25 (56)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 4		
	*4 External static press.	Pa	<4> - 15 - <35>	<4> - 15 - <35> - <45>	<4> - 15 - <35> - <45>		
		mmH ₂ O	<0.4> - 1.5 - <3.6>	<0.4> - 1.5 - <3.6> - <4.6>	<0.4> - 1.5 - <3.6> - <4.6>		
	Motor Type		DC motor	DC motor	DC motor		
	Motor output		kW	0.096	0.096	0.096	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor		
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
			m ³ /min	7.0 - 10.0 - 12.5	8.5 - 14.0 - 17.0	11.0 - 15.0 - 19.5	
L/s			117 - 167 - 208	142 - 233 - 283	183 - 250 - 325		
		cfm	247 - 353 - 441	300 - 494 - 600	388 - 530 - 689		
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
(rear inlet)	*2	dB <A>	31-38-42	30-37-42	30-34-37		
(bottom inlet)	*2	dB <A>	42-51-56	38-49-56	40-46-53		
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.		
Protection device			Fuse	Fuse	Fuse		
Refrigerant control device			LEV	LEV	LEV		
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI		
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)		
	Gas (R410A)	mm (in.)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)		
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)		
Drawing	External		KS94T575	KS94T575	KS94T575		
	Wiring		KS94T572	KS94T572	KS94T572		
	Refrigerant cycle		-	-	-		
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory		Washer, Drain hose, Tie band, Thermal insulator	Washer, Drain hose, Tie band, Thermal insulator	Washer, Drain hose, Tie band, Thermal insulator		
Optional parts	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E		
	PQ attachment (Rear inlet)		PAC-HA11PAR	PAC-HA11PAR	PAC-HA11PAR		
	PQ attachment (Bottom inlet)		PAC-HA21PAU	PAC-HA21PAU	PAC-HA21PAU		
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				

Notes:	Unit converter
1.Nominal cooling conditions Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.	cfm =m³/min x 35.31
3.Nominal heating conditions Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs =kg/0.4536
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.	
5.Duct flange and filter are excluded.	
* PEFY-P40, 50, 63VMX-E1 cannot be connected to PUMY-P112, 125, 140VKM5/YKM4.	
* PEFY-P50, 63VMX-E1 cannot be connected to PUMY-SP80, 112, 125, 140YKMD/VKMD-A.	
	*Above specification data is subject to rounding variation.