

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

Model			PEFY-P40VMHS-E	PEFY-P50VMHS-E	PEFY-P63VMHS-E	PEFY-P71VMHS-E	
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	4.5	5.6	7.1	8.0	
	*1	BTU/h	15,400	19,100	24,200	27,300	
	*2	Power input	kW	0.055	0.090	0.075	
	*2	Current input	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
Heating capacity (Nominal)	*3	kW	5.0	6.3	8.0	9.0	
	*3	BTU/h	17,100	21,500	27,300	30,700	
	*2	Power input	kW	0.055	0.090	0.075	
	*2	Current input	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
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	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	
		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	
Net weight		kg (lbs)	35 (78)	35 (78)	35 (78)	45 (100)	
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 1	Sirocco fan x 1	Sirocco fan x 1	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>
			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>
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.121	0.121	0.121	0.244
	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	10.0 - 12.0 - 14.0	10.0 - 12.0 - 14.0	13.5 - 16.0 - 19.0	15.5 - 18.0 - 22.0
			L/s	167 - 200 - 233	167 - 200 - 233	225 - 267 - 317	258 - 300 - 367
			cfm	353 - 424 - 494	353 - 424 - 494	477 - 565 - 671	547 - 636 - 777
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2 dB <A>			20-23-27	20-23-27	24-27-32	24-26-30	
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			Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	
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)Brazed	6.35 (1/4)Brazed	9.52 (3/8)Brazed	9.52 (3/8)Brazed	
	Gas (R410A)	mm (in.)	12.7 (1/2)Brazed	12.7 (1/2)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)	
Drawing	External		KL94C742	KL94C742	KL94C742	KL94C742	
	Wiring		KL94C743	KL94C743	KL94C743	KL94C743	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	
Optional parts	Drain pump kit		PAC-DRP10DP-E2	PAC-DRP10DP-E2	PAC-DRP10DP-E2	PAC-DRP10DP-E2	
	Long life filter		PAC-KE86LAF	PAC-KE86LAF	PAC-KE86LAF	PAC-KE88LAF	
	Filter box		PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE99TB-F	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:	Unit converter	
	BTU/h	=kW x 3,412
	cfm	=m ³ /min x 35.31
	lbs	=kg/0.4536
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.) 2.The values are measured at the factory setting of external static pressure. 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.) 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.		
*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

Model			PEFY-P80VMHS-E	PEFY-P100VMHS-E	PEFY-P125VMHS-E	PEFY-P140VMHS-E	
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	9.0	11.2	14.0	16.0	
		BTU/h	30,700	38,200	47,800	54,600	
	*2	Power input	kW	0.090	0.160	0.160	0.190
		Current input	A	0.63 - 0.61 - 0.58	1.05 - 1.01 - 0.96	1.05 - 1.01 - 0.96	1.24 - 1.19 - 1.14
Heating capacity (Nominal)	*3	kW	10.0	12.5	16.0	18.0	
		BTU/h	34,100	42,700	54,600	61,400	
	*2	Power input	kW	0.090	0.160	0.160	0.190
		Current input	A	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 finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		mm	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 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)	45 (100)	51 (113)	51 (113)	53 (117)	
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	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>
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.244	0.375	0.375	0.375
	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	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	300 - 358 - 417	442 - 533 - 633	442 - 533 - 633	467 - 567 - 667
cfm			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)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2		dB <A>	25-27-30	27-31-34	27-31-34	27-32-36	
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			Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	
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.)	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	
	Gas (R410A)	mm (in.)	15.88 (5/8)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	
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		KL94C742	KL94C742	KL94C742	KL94C742	
	Wiring		KL94C743	KL94C743	KL94C743	KL94C743	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	
Optional parts	Drain pump kit		PAC-DRP10DP-E2	PAC-DRP10DP-E2	PAC-DRP10DP-E2	PAC-DRP10DP-E2	
	Long life filter		PAC-KE88LAF	PAC-KE89LAF	PAC-KE89LAF	PAC-KE89LAF	
	Filter box		PAC-KE99TB-F	PAC-KE140TB-F	PAC-KE140TB-F	PAC-KE140TB-F	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

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.)	Unit converter BTU/h =kW x 3,412 cfm =m ³ /min x 35.31 lbs =kg/0.4536
	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.	
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

Model			PEFY-P200VMHS-E	PEFY-P250VMHS-E			
Power source			1-phase 220-230-240V 50/60Hz	1-phase 220-230-240V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	22.4	28.0			
	*1	BTU / h	76,400	95,500			
	*2	Power input	kW	0.63	0.82		
	*2	Current input	A	3.47 - 3.32 - 3.18 (220-230-240V)	4.72 - 4.43 - 4.14 (220-230-240V)		
Heating capacity (Nominal)	*3	kW	25.0	31.5			
	*3	BTU / h	85,300	107,500			
	*2	Power input	kW	0.63	0.82		
	*2	Current input	A	3.47 - 3.32 - 3.18 (220-230-240V)	4.72 - 4.43 - 4.14 (220-230-240V)		
External finish			Galvanized steel plate	Galvanized steel plate			
External dimension HxWxD		mm	470 x 1,250 x 1,120	470 x 1,250 x 1,120			
		inch	18-1/2 x 49-1/4 x 44-1/8	18-1/2 x 49-1/4 x 44-1/8			
Net weight		kg(lbs)	97(214)	100(221)			
Heat exchanger			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			
	*4	External static press.	Pa	<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>		
			mmH ₂ O	<5.1> - <10.2> - 15.3 - <20.4> - <25.5>	<5.1> - <10.2> - 15.3 - <20.4> - <25.5>		
	Motor Type		DC motor	DC motor			
	Motor output		kW	0.870	0.870		
	Driving mechanism		Inverter-control	Inverter-control			
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)			
			m ³ / min	50.0 - 61.0 - 72.0	58.0 - 71.0 - 84.0		
			L/s	833 - 1,017 - 1,200	967 - 1,183 - 1,400		
			cfm	1,766 - 2,154 - 2,542	2,048 - 2,507 - 2,966		
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)			
		*2	dB <A>	36-39-43	39-42-46		
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam			
Air filter			Option: Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option: Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.			
Protection device			Fuse	Fuse			
Refrigerant control device			LEV	LEV			
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A)	mm(inch)	9.52(3/8")Braze	9.52(3/8")Braze			
	Gas (R410A)	mm(inch)	19.05(3/4")Braze	22.22(7/8")Braze			
Field drain pipe size		mm(inch)	O.D.32(1-1/4")	O.D.32(1-1/4")			
Drawing	External		KD94G757	KD94G757			
	Wiring		KD94G911	KD94G911			
	Refrigerant cycle		-	-			
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book			
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band			
Optional parts	Drain pump kit		PAC-KE05DM-F	PAC-KE05DM-F			
	Long life filter		PAC-KE85LAF	PAC-KE85LAF			
	Filter box		PAC-KE250TB-F	PAC-KE250TB-F			
Remark			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:		Unit converter
1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16"ft.), Level difference: 0m (0ft.)		BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16"ft.) Level, difference: 0m(0ft.)		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.		*Above specification data is subject to rounding variation.