

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model				PEFY-W20VMA-A	PEFY-W25VMA-A	PEFY-W32VMA-A	PEFY-W40VMA-A
Power source				1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz
Cooling capacity (Nominal)	*1	kW		2.2	2.8	3.6	4.5
	*1	BTU/h		7,500	9,600	12,300	15,400
	*2	Power input	kW	0.032	0.032	0.044	0.047
	*2	Current input	A	0.26-0.25-0.24	0.26-0.25-0.24	0.36-0.34-0.33	0.39-0.37-0.36
Heating capacity (Nominal)	*3	kW		2.5	3.2	4.0	5.0
	*3	BTU/h		8,500	10,900	13,600	17,100
	*2	Power input	kW	0.030	0.030	0.042	0.045
	*2	Current input	A	0.26-0.25-0.24	0.26-0.25-0.24	0.36-0.34-0.33	0.39-0.37-0.36
External finish				Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension H × W × D			mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732
			in.	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8
Net weight			kg (lbs)	22 (49)	22 (49)	22 (49)	26 (58)
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)
	Water Volume	L		0.7	0.7	0.7	1.0
FAN	*4	Type × Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2
		External static press.	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>
			mmH ₂ O	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	3.6 - <5.1> - <7.1> - <10.2> - <15.3>
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.085	0.085	0.085	0.121
	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	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	
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
			*2 dB <A>	21.0-25.0-27.0	21.0-25.0-27.0	23.0-27.0-30.0	23.0-28.0-31.0
Insulation material				EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene 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				Flow control valve	Flow control valve	Flow control valve	Flow control valve
Connectable HBC/Hydro unit				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A
Water piping diameter *5, 6							
	Connection size	Inlet	mm O.D.	22	22	22	22
		Outlet	mm O.D.	22	22	22	22
	Field pipe size	Inlet	mm I.D.	20	20	20	20
		Outlet	mm I.D.	20	20	20	20
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			KL94R777	KL94R777	KL94R777	KL94R777
	Wiring			KL94R847	KL94R847	KL94R847	KL94R847
	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	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band
Optional parts	Filter box			PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE92TB-E
	Plasma Quad Connect			MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E
	PQ attachment (Rear inlet)			PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR
	PQ attachment (Bottom inlet)			PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU
	PQ box			PAC-KE91PTB-E	PAC-KE91PTB-E	PAC-KE91PTB-E	PAC-KE92PTB-E
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
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°FWB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), 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 Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°FWB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.Be sure to install a valve on the water inlet/outlet.	
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.	
7.Please group units that operate on 1 branch.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model			PEFY-W50VMA-A	PEFY-W63VMA-A	PEFY-W71VMA-A	PEFY-W80VMA-A	
Power source			1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz	
Cooling capacity (Nominal)	*1	kW	5.6	7.1	8.0	9.0	
	*1	BTU/h	19,100	24,200	27,300	30,700	
	*2	Power input	kW	0.093	0.093	0.093	
	*2	Current input	A	0.68-0.65-0.62	0.68-0.65-0.62	0.68-0.65-0.62	
Heating capacity (Nominal)	*3	kW	6.3	8.0	9.0	10.0	
	*3	BTU/h	21,500	27,300	30,700	34,100	
	*2	Power input	kW	0.091	0.091	0.091	
	*2	Current input	A	0.68-0.65-0.62	0.68-0.65-0.62	0.68-0.65-0.62	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H × W × D		mm	250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,100 x 732	
		in.	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	
Net weight		kg (lbs)	30 (67)	30 (67)	30 (67)	30 (67)	
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)	
	Water Volume	L	2.0	2.0	2.0	2.0	
FAN	Type × Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	*4 External static press.	Pa	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	
		mmH ₂ O	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.121	0.121	0.121	
	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	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0
			L/s	242 - 300 - 350	242 - 300 - 350	242 - 300 - 350	242 - 300 - 350
cfm			512 - 636 - 742	512 - 636 - 742	512 - 636 - 742	512 - 636 - 742	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
	*2	dB <A>	26.0-31.0-35.0	26.0-31.0-35.0	26.0-31.0-35.0	26.0-31.0-35.0	
Insulation material			EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene 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			Flow control valve	Flow control valve	Flow control valve	Flow control valve	
Connectable HBC/Hydro unit			CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	
Water piping diameter			*5, 6				
	Connection size	Inlet	mm O.D.	22	22	22	22
		Outlet	mm O.D.	22	22	22	22
	Field pipe size	Inlet	mm I.D.	20	30	30	30
		Outlet	mm I.D.	20	30	30	30
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		KL94R777	KL94R777	KL94R777	KL94R777	
	Wiring		KL94R847	KL94R847	KL94R847	KL94R847	
	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	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	
Optional parts	Filter box		PAC-KE93TB-E	PAC-KE93TB-E	PAC-KE93TB-E	PAC-KE93TB-E	
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment (Rear inlet)		PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	
	PQ attachment (Bottom inlet)		PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	
	PQ box		PAC-KE93PTB-E	PAC-KE93PTB-E	PAC-KE93PTB-E	PAC-KE93PTB-E	
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
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°FWB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), 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 Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°FWB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.Be sure to install a valve on the water inlet/outlet.		
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.		
7.Please group units that operate on 1 branch.		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model			PEFY-W100VMA-A	PEFY-W125VMA-A			
Power source			1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz			
Cooling capacity (Nominal)	*1	kW	11.2	14.0			
	*1	BTU/h	38,200	47,800			
	*2	Power input	0.142	0.199			
	*2	Current input	1.01-0.97-0.93	1.29-1.23-1.18			
Heating capacity (Nominal)	*3	kW	12.5	16.0			
	*3	BTU/h	42,700	54,600			
	*2	Power input	0.140	0.197			
	*2	Current input	1.01-0.97-0.93	1.29-1.23-1.18			
External finish			Galvanized steel plate	Galvanized steel plate			
External dimension H × W × D		mm	250 x 1,400 x 732	250 x 1,400 x 732			
		in.	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8			
Net weight		kg (lbs)	37 (82)	38 (84)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)			
	Water Volume	L	2.6	3.2			
FAN	*4	Type × Quantity		Sirocco fan x 3	Sirocco fan x 3		
		External static press.	Pa	40 - <50> - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>		
			mmH ₂ O	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	<4.1> - 5.1 - <7.1> - <10.2> - <15.3>		
	Motor Type		DC motor	DC motor			
	Motor output		kW	0.300	0.300		
	Driving mechanism		Direct-driven by motor	Direct-driven by motor			
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)			
			m ³ /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0		
			L/s	383 - 467 - 533	467 - 567 - 617		
			cfm	812 - 989 - 1,130	989 - 1,201 - 1,306		
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)			
*2 dB <A>			30.0-35.0-38.0	34.0-38.0-40.0			
Insulation material			EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam			
Air filter			PP honeycomb fabric.	PP honeycomb fabric.			
Protection device			Fuse	Fuse			
Refrigerant control device			Flow control valve	Flow control valve			
Connectable HBC/Hydro unit			CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A			
Water piping diameter *5, 6							
	Connection size	Inlet	mm O.D.	22	22		
		Outlet	mm O.D.	22	22		
	Field pipe size	Inlet	mm I.D.	30	30		
		Outlet	mm I.D.	30	30		
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)			
Drawing	External		KL94R777	KL94R777			
	Wiring		KL94R847	KL94R847			
	Refrigerant cycle		-	-			
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book			
	Accessory		Washer, Drain hose, Tie band	Washer, Drain hose, Tie band			
Optional parts	Filter box		PAC-KE94TB-E	PAC-KE94TB-E			
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E			
	PQ attachment (Rear inlet)		PAC-HA31PAR	PAC-HA31PAR			
	PQ attachment (Bottom inlet)		PAC-HA31PAU	PAC-HA31PAU			
	PQ box		PAC-KE94PTB-E	PAC-KE94PTB-E			
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
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°FWB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), 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 Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°FWB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.Be sure to install a valve on the water inlet/outlet.	
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.	
7.Please group units that operate on 1 branch.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model				PEFY-W20VMAL-A		PEFY-W25VMAL-A		PEFY-W32VMAL-A		PEFY-W40VMAL-A		
Power source				1-phase 220-230-240 V 50 Hz		1-phase 220-230-240 V 50 Hz		1-phase 220-230-240 V 50 Hz		1-phase 220-230-240 V 50 Hz		
Cooling capacity (Nominal)		*1	kW	2.2		2.8		3.6		4.5		
			BTU/h	7,500		9,600		12,300		15,400		
		*2	Power input	kW	0.030		0.030		0.042		0.045	
			Current input	A	0.26-0.25-0.24		0.26-0.25-0.24		0.36-0.34-0.33		0.39-0.37-0.36	
Heating capacity (Nominal)		*3	kW	2.5		3.2		4.0		5.0		
			BTU/h	8,500		10,900		13,600		17,100		
		*2	Power input	kW	0.030		0.030		0.042		0.045	
			Current input	A	0.26-0.25-0.24		0.26-0.25-0.24		0.36-0.34-0.33		0.39-0.37-0.36	
External finish				Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		
External dimension H × W × D			mm	250 x 700 x 732		250 x 700 x 732		250 x 700 x 732		250 x 900 x 732		
			in.	9-7/8 x 27-9/16 x 28-7/8		9-7/8 x 27-9/16 x 28-7/8		9-7/8 x 27-9/16 x 28-7/8		9-7/8 x 35-7/16 x 28-7/8		
Net weight			kg (lbs)	21 (47)		21 (47)		21 (47)		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)		Cross fin (Aluminum fin and copper tube)		
		Water Volume	L	0.7		0.7		0.7		1.0		
FAN	*4	Type × Quantity		Sirocco fan x 1		Sirocco fan x 1		Sirocco fan x 1		Sirocco fan x 2		
		External static press.	Pa	35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		
			mmH ₂ O	3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		
		Motor Type		DC motor		DC motor		DC motor		DC motor		
	Motor output		kW	0.085		0.085		0.085		0.121		
	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	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		
Sound pressure level (measured in anechoic room)				(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		
		*2	dB <A>	21.0-25.0-27.0		21.0-25.0-27.0		23.0-27.0-30.0		23.0-28.0-31.0		
Insulation material				EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene 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				Flow control valve		Flow control valve		Flow control valve		Flow control valve		
Connectable HBC/Hydro unit				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		
Water piping diameter				*5, 6								
	Connection size	Inlet	mm O.D.	22		22		22		22		
		Outlet	mm O.D.	22		22		22		22		
	Field pipe size	Inlet	mm I.D.	20		20		20		20		
		Outlet	mm I.D.	20		20		20		20		
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			KL94R778		KL94R778		KL94R778		KL94R778		
	Wiring			KL94R847		KL94R847		KL94R847		KL94R847		
	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		Washer, Drain hose, Tie band		Washer, Drain hose, Tie band		Washer, Drain hose, Tie band		
Optional parts	Filter box			PAC-KE91TB-E		PAC-KE91TB-E		PAC-KE91TB-E		PAC-KE92TB-E		
	Plasma Quad Connect			MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		
	PQ attachment (Rear inlet)			PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		
	PQ attachment (Bottom inlet)			PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		
	PQ box			PAC-KE91PTB-E		PAC-KE91PTB-E		PAC-KE91PTB-E		PAC-KE92PTB-E		
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
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°FWB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	BTU/h =kW x 3,412
2.The values are measured at the rated external static pressure.	cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°FWB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.
5.Be sure to install a valve on the water inlet/outlet.	
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.	
7.Please group units that operate on 1 branch.	

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model			PEFY-W50VMAL-A		PEFY-W63VMAL-A		PEFY-W71VMAL-A		PEFY-W80VMAL-A		
Power source			1-phase 220-230-240 V 50 Hz		1-phase 220-230-240 V 50 Hz		1-phase 220-230-240 V 50 Hz		1-phase 220-230-240 V 50 Hz		
Cooling capacity (Nominal)		*1	kW	5.6	7.1	8.0	9.0				
		*1	BTU/h	19,100	24,200	27,300	30,700				
		*2	Power input	kW	0.091	0.091	0.091				
		*2	Current input	A	0.68-0.65-0.62	0.68-0.65-0.62	0.68-0.65-0.62	0.68-0.65-0.62			
Heating capacity (Nominal)		*3	kW	6.3	8.0	9.0	10.0				
		*3	BTU/h	21,500	27,300	30,700	34,100				
		*2	Power input	kW	0.091	0.091	0.091				
		*2	Current input	A	0.68-0.65-0.62	0.68-0.65-0.62	0.68-0.65-0.62	0.68-0.65-0.62			
External finish			Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		
External dimension H × W × D			mm	250 x 1,100 x 732		250 x 1,100 x 732		250 x 1,100 x 732		250 x 1,100 x 732	
			in.	9-7/8 x 43-5/16 x 28-7/8		9-7/8 x 43-5/16 x 28-7/8		9-7/8 x 43-5/16 x 28-7/8		9-7/8 x 43-5/16 x 28-7/8	
Net weight			kg (lbs)	29 (64)		29 (64)		29 (64)		29 (64)	
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)		
	Water Volume	L	2.0		2.0		2.0		2.0		
FAN	*4	Type × Quantity		Sirocco fan x 2		Sirocco fan x 2		Sirocco fan x 2		Sirocco fan x 2	
		External static press.	Pa	40 - <50> - <70> - <100> - <150>		40 - <50> - <70> - <100> - <150>		40 - <50> - <70> - <100> - <150>		40 - <50> - <70> - <100> - <150>	
			mmH ₂ O	4.1 - <5.1> - <7.1> - <10.2> - <15.3>		4.1 - <5.1> - <7.1> - <10.2> - <15.3>		4.1 - <5.1> - <7.1> - <10.2> - <15.3>		4.1 - <5.1> - <7.1> - <10.2> - <15.3>	
	Motor Type		DC motor		DC motor		DC motor		DC motor		
	Motor output		kW	0.121		0.121		0.121		0.121	
	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	14.5 - 18.0 - 21.0		14.5 - 18.0 - 21.0		14.5 - 18.0 - 21.0		14.5 - 18.0 - 21.0	
L/s			242 - 300 - 350		242 - 300 - 350		242 - 300 - 350		242 - 300 - 350		
		cfm	512 - 636 - 742		512 - 636 - 742		512 - 636 - 742		512 - 636 - 742		
Sound pressure level (measured in anechoic room)			(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		
		*2	dB <A>	26.0-31.0-35.0		26.0-31.0-35.0		26.0-31.0-35.0		26.0-31.0-35.0	
Insulation material			EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene 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			Flow control valve		Flow control valve		Flow control valve		Flow control valve		
Connectable HBC/Hydro unit			CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		
Water piping diameter			*5, 6								
	Connection size	Inlet	mm O.D.	22	22	22	22				
		Outlet	mm O.D.	22	22	22	22				
	Field pipe size	Inlet	mm I.D.	20	30	30	30				
		Outlet	mm I.D.	20	30	30	30				
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		KL94R778		KL94R778		KL94R778		KL94R778		
	Wiring		KL94R847		KL94R847		KL94R847		KL94R847		
	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		Washer, Drain hose, Tie band		Washer, Drain hose, Tie band		Washer, Drain hose, Tie band		
Optional parts	Filter box		PAC-KE93TB-E		PAC-KE93TB-E		PAC-KE93TB-E		PAC-KE93TB-E		
	Plasma Quad Connect		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		
	PQ attachment (Rear inlet)		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		
	PQ attachment (Bottom inlet)		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		
	PQ box		PAC-KE93PTB-E		PAC-KE93PTB-E		PAC-KE93PTB-E		PAC-KE93PTB-E		
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
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°FWB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), 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 Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°FWB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.Be sure to install a valve on the water inlet/outlet.	
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.	
7.Please group units that operate on 1 branch.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model				PEFY-W100VMAL-A	PEFY-W125VMAL-A		
Power source				1-phase 220-230-240 V 50 Hz	1-phase 220-230-240 V 50 Hz		
Cooling capacity (Nominal)	*1	kW		11.2	14.0		
		BTU/h		38,200	47,800		
	*2	Power input	kW	0.140	0.197		
	*2	Current input	A	1.01-0.97-0.93	1.29-1.23-1.18		
Heating capacity (Nominal)	*3	kW		12.5	16.0		
		BTU/h		42,700	54,600		
	*2	Power input	kW	0.140	0.197		
	*2	Current input	A	1.01-0.97-0.93	1.29-1.23-1.18		
External finish				Galvanized steel plate	Galvanized steel plate		
External dimension H × W × D			mm	250 x 1,400 x 732	250 x 1,400 x 732		
			in.	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8		
Net weight			kg (lbs)	36 (80)	37 (82)		
Heat exchanger				Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)		
	Water Volume		L	2.6	3.2		
FAN	Type × Quantity			Sirocco fan x 3	Sirocco fan x 3		
	*4	External static press.	Pa	40 - <50> - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>		
			mmH ₂ O	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	<4.1> - 5.1 - <7.1> - <10.2> - <15.3>		
	Motor Type			DC motor	DC motor		
	Motor output		kW	0.300	0.300		
	Driving mechanism			Direct-driven by motor	Direct-driven by motor		
	Air flow rate			(Low-Mid-High)	(Low-Mid-High)		
			m ³ /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0		
			L/s	383 - 467 - 533	467 - 567 - 617		
		cfm	812 - 989 - 1,130	989 - 1,201 - 1,306			
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)		
	*2	dB <A>		30.0-35.0-38.0	34.0-38.0-40.0		
Insulation material				EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam		
Air filter				PP honeycomb fabric.	PP honeycomb fabric.		
Protection device				Fuse	Fuse		
Refrigerant control device				Flow control valve	Flow control valve		
Connectable HBC/Hydro unit				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		
Water piping diameter *5, 6							
	Connection size	Inlet	mm O.D.	22	22		
		Outlet	mm O.D.	22	22		
	Field pipe size	Inlet	mm I.D.	30	30		
		Outlet	mm I.D.	30	30		
Field drain pipe size			mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)		
Drawing	External			KL94R778	KL94R778		
	Wiring			KL94R847	KL94R847		
	Refrigerant cycle			-	-		
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory			Washer, Drain hose, Tie band	Washer, Drain hose, Tie band		
Optional parts	Filter box			PAC-KE94TB-E	PAC-KE94TB-E		
	Plasma Quad Connect			MAC-100FT-E	MAC-100FT-E		
	PQ attachment (Rear inlet)			PAC-HA31PAR	PAC-HA31PAR		
	PQ attachment (Bottom inlet)			PAC-HA31PAU	PAC-HA31PAU		
	PQ box			PAC-KE94PTB-E	PAC-KE94PTB-E		
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
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°F WB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), 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 Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°F WB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.Be sure to install a valve on the water inlet/outlet.		
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.		
7.Please group units that operate on 1 branch.		
		*Above specification data is subject to rounding variation.