

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model				PEFY-WP20VMA-E	PEFY-WP25VMA-E	PEFY-WP32VMA-E	PEFY-WP40VMA-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		2.2	2.8	3.6	4.5
	*1	BTU/h		7,500	9,600	12,300	15,400
(220V)	*2	Power input	kW	0.070	0.090	0.110	0.140
	*2	Current input	A	0.55	0.64	0.74	1.15
Heating capacity (Nominal)	*3	kW		2.5	3.2	4.0	5.0
	*3	BTU/h		8,500	10,900	13,600	17,100
(220V)	*2	Power input	kW	0.050	0.070	0.090	0.120
	*2	Current input	A	0.44	0.53	0.63	1.04
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 900 x 732	250 x 900 x 732	250 x 1,100 x 732
			in.	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8
Net weight			kg (lbs)	21 (47)	26 (58)	26 (58)	31 (69)
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	1.0	1.0	1.8
FAN	Type × Quantity			Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2
	*4	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		7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0	14.5 - 18.0 - 21.0
		L/s		125 - 150 - 175	167 - 200 - 233	200 - 242 - 283	242 - 300 - 350
				265 - 318 - 371	353 - 424 - 494	424 - 512 - 600	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>	23.0-26.0-29.0	23.0-27.0-30.0	25.0-29.0-32.0	26.0-29.0-34.0
Insulation material				EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, 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				-	-	-	-
Connectable HBC				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB
Water piping diameter *5, 6							
	Connection size	Inlet	in.	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw
		Outlet	in.	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw
	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)
Drawing	External			KD94L918	KD94L918	KD94L918	KD94L918
	Wiring			KD94L919	KD94L919	KD94L919	KD94L919
	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 water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band
Optional parts	Filter box			PAC-KE91TB-E	PAC-KE92TB-E	PAC-KE92TB-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-KE91PTB-E	PAC-KE92PTB-E	PAC-KE92PTB-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°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.)	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°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.)	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.Be sure to install a valve on the water 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-WP50VMA-E	PEFY-WP63VMA-E	PEFY-WP71VMA-E	PEFY-WP80VMA-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		5.6	7.1	8.0	9.0
	*1	BTU/h		19,100	24,200	27,300	30,700
(220V)	*2	Power input		kW	0.140	0.140	0.240
	*2	Current input		A	1.15	1.15	1.47
Heating capacity (Nominal)	*3	kW		6.3	8.0	9.0	10.0
	*3	BTU/h		21,500	27,300	30,700	34,100
(220V)	*2	Power input		kW	0.120	0.220	0.220
	*2	Current input		A	1.04	1.36	1.36
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 1,400 x 732	250 x 1,400 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 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8
Net weight		kg (lbs)		31 (69)	31 (69)	40 (89)	40 (89)
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	1.8	2.0	2.6
FAN	Type × Quantity		Sirocco fan x 2		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
	*4	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	0.121	0.121	0.244	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	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	23.0 - 28.0 - 33.0	23.0 - 28.0 - 33.0
			L/s	242 - 300 - 350	242 - 300 - 350	383 - 467 - 550	383 - 467 - 550
	cfm		512 - 636 - 742	512 - 636 - 742	812 - 989 - 1,165	812 - 989 - 1,165	
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
*2		dB <A>		26.0-29.0-34.0	26.0-29.0-34.0	28.0-33.0-37.0	28.0-33.0-37.0
Insulation material				EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, 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				-	-	-	-
Connectable HBC				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB
Water piping diameter *5, 6							
	Connection size	Inlet	in.	Rc 3/4 screw	Rc 1-1/4 screw	Rc 1-1/4 screw	Rc 1-1/4 screw
		Outlet	in.	Rc 3/4 screw	Rc 1-1/4 screw	Rc 1-1/4 screw	Rc 1-1/4 screw
	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		KD94L918		KL94G001	KL94G001	KL94G001
	Wiring		KD94L919		KD94L919	KD94L919	KD94L919
	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 water pipe, Washer, Drain hose, Tie band		Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band
Optional parts	Filter box		PAC-KE93TB-E		PAC-KE93TB-E	PAC-KE94TB-E	PAC-KE94TB-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-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°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.)	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°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.)	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.Be sure to install a valve on the water 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-WP100VMA-E	PEFY-WP125VMA-E		
Power source				1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW		11.2	14.0		
	*1	BTU/h		38,200	47,800		
(220V)	*2	Power input	kW	0.240	0.360		
	*2	Current input	A	1.47	2.21		
Heating capacity (Nominal)	*3	kW		12.5	16.0		
	*3	BTU/h		42,700	54,600		
(220V)	*2	Power input	kW	0.220	0.340		
	*2	Current input	A	1.36	2.10		
External finish				Galvanized steel plate	Galvanized steel plate		
External dimension H × W × D			mm	250 x 1,400 x 732	250 x 1,600 x 732		
			in.	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 63 x 28-7/8		
Net weight			kg (lbs)	40 (89)	42 (93)		
Heat exchanger				Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)		
	Water Volume		L	2.6	3.0		
FAN	Type × Quantity			Sirocco fan x 2	Sirocco fan x 2		
	*4	External static press.	Pa	<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>		
	Motor Type			DC motor	DC motor		
	Motor output		kW	0.244	0.244		
	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 - 33.0	29.5 - 35.5 - 42.0		
		L/s		383 - 467 - 550	492 - 592 - 700		
		cfm		812 - 989 - 1,165	1,042 - 1,254 - 1,483		
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)		
*2 dB <A>			28.0-33.0-37.0	32.0-36.0-40.0			
Insulation material				EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam		
Air filter				PP honeycomb fabric.	PP honeycomb fabric.		
Protection device				Fuse	Fuse		
Refrigerant control device				-	-		
Connectable HBC				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB		
Water piping diameter *5, 6							
	Connection size	Inlet	in.	Rc 1-1/4 screw	Rc 1-1/4 screw		
		Outlet	in.	Rc 1-1/4 screw	Rc 1-1/4 screw		
	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			KL94G001	KL94G001		
	Wiring			KD94L919	KD94L919		
	Refrigerant cycle			-	-		
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory			Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band		
Optional parts	Filter box			PAC-KE94TB-E	PAC-KE95TB-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-KE95PTB-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	
	BTU/h	=kW x 3.412
	cfm	=m ³ /min x 35.31
	lbs	=kg/0.4536
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. 5.Be sure to install a valve on the water 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.		