

# - INDOOR UNIT -



Model			PEFY-WP20VMA-E	PEFY-WP25VMA-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	2.2	2.8	
	*1	kcal / h	1,900	2,400	
	*1	BTU / h	7,500	9,600	
	*2	Power input	kW	0.07	0.09
	*2	Current input	A	0.55	0.64
Heating capacity (Nominal)	*3	kW	2.5	3.2	
	*3	kcal / h	2,200	2,800	
	*3	BTU / h	8,500	10,900	
	*2	Power input	kW	0.05	0.07
	*2	Current input	A	0.44	0.53
External finish			Galvanized steel plate	Galvanized steel plate	
External dimension HxWxD		mm	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 35-7/16 x 28-7/8	
Net weight		kg(lbs)	21 (47)	26 (58)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	
FAN		Water Volume	L	0.7	1.0
		Type x Quantity	Sirocco fan x 1		
		*4 External static press.	Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>
			mmH <sub>2</sub> 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		
		Motor output	kW	0.085	0.085
		Driving mechanism	Direct-driven by motor		
		Air flow rate	(Low-Mid-High)		
			m <sup>3</sup> / min	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0
			L/s	125 - 150 - 175	167 - 200 - 233
			cfm	265 - 318 - 371	353 - 424 - 494
Sound pressure level (measured in anechoic room)		*2	dB<A>	(Low-Mid-High)	(Low-Mid-High)
				23-26-29	23-27-30
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	
Protection devices			Fuse	Fuse	
Connectable outdoor unit / HBC controller			CITY MULTI YLM series/ CMB-WP-V-GA1/CMB-WP-V-GB1	CITY MULTI YLM series/ CMB-WP-V-GA1/CMB-WP-V-GB1	
Water piping diameter	Inlet	in.	Rc 3/4 screw	Rc 3/4 screw	
	*5,6 Outlet	in.	Rc 3/4 screw	Rc 3/4 screw	
Field drain pipe size		mm(in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	
Standard attachment	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-KE91TB-E	PAC-KE92TB-E	

## Notes :

### 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.

### 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 any foreign matter.

### 7. Please group units that operate on 1 branch.

## Unit converter

kcal / h =kW × 860  
 BTU / h =kW × 3,412  
 cfm =m<sup>3</sup> / min × 35.31  
 lbs =kg / 0.4536

\* Above specification data is subject to rounding variation.



Model			PEFY-WP32VMA-E	PEFY-WP40VMA-E	PEFY-WP50VMA-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
Cooling capacity (Nominal)	*1	kW	3.6	4.5	5.6
	*1	kcal / h	3,100	3,900	4,800
	*1	BTU / h	12,300	15,400	19,100
	*2	Power input	kW	0.11	0.14
	*2	Current input	A	0.74	1.15
Heating capacity (Nominal)	*3	kW	4.0	5.0	6.3
	*3	kcal / h	3,400	4,300	5,400
	*3	BTU / h	13,600	17,100	21,500
	*2	Power input	kW	0.09	0.12
	*2	Current input	A	0.63	1.04
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension HxWxD		mm	250 x 900 x 732	250 x 1,100 x 732	250 x 1,100 x 732
		in.	9-7/8 x 35-7/16 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)	26 (58)	31 (69)	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)
Water Volume		L	1.0	1.8	1.8
FAN			Sirocco fan x 1	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>
		mmH <sub>2</sub> 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>
Motor Type			DC motor	DC motor	DC motor
Motor output		kW	0.085	0.121	0.121
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 <sup>3</sup> / min	12.0 - 14.5 - 17.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0
		L/s	200 - 242 - 283	242 - 300 - 350	242 - 300 - 350
		cfm	424 - 512 - 600	512 - 636 - 742	512 - 636 - 742
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
*2		dB<A>	25-29-32	26-29-34	26-29-34
Insulation material			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.
Protection devices			Fuse	Fuse	Fuse
Connectable outdoor unit / HBC controller			CITY MULTI YLM series/ CMB-WP-V-GA1/CMB-WP-V-GB1	CITY MULTI YLM series/ CMB-WP-V-GA1/CMB-WP-V-GB1	CITY MULTI YLM series/ CMB-WP-V-GA1/CMB-WP-V-GB1
Water piping		Inlet	in.	Rc 3/4 screw	Rc 3/4 screw
diameter		*5, 6	Outlet	in.	Rc 3/4 screw
Field drain pipe size			mm(in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)
Standard attachment			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-KE92TB-E	PAC-KE93TB-E

Notes :

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.

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Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

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