

1. SPECIFICATIONS

Ceiling concealed (Fresh air intake type)

Model			PEFY-P125VMHS-E-F		PEFY-P200VMHS-E-F		PEFY-P250VMHS-E-F			
Power source			1-phase 220-230-240 V 50/60 Hz							
Cooling capacity (Nominal)	*1	kW	14.0		22.4		28.0			
	*1	BTU/h	47,800		76,400		95,500			
	*2	Power input	0.220		0.260		0.350			
	(220V)	*2	Current input	1.43		1.66		2.16		
Temp. range of cooling			17°C.D.B./15.5°C.W.B. ~ 43°C.D.B./35°C.W.B.							
			* Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 17°C.D.B.							
Heating capacity (Nominal)	*3	kW	8.9		13.9		17.4			
	*3	BTU/h	30,400		47,400		59,400			
	*2	Power input	0.230		0.270		0.360			
	(220V)	*2	Current input	1.52		1.85		2.38		
Temp. range of heating			-10 °C.D.B. ~ 20 °C.D.B.							
			* Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 20°C.D.B.							
External finish			Galvanized							
External dimension H x W x D		mm	380 x 1,195 x 900		470 x 1,250 x 1,120		470 x 1,250 x 1,120			
		in.	15 x 47-1/16 x 35-7/16		18-9/16 x 49-1/4 x 44-1/8		18-9/16 x 49-1/4 x 44-1/8			
Net weight		kg (lbs)	49 (109)		78 (172)		81 (179)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)							
FAN	Type x Quantity		Sirocco fan x 1		Sirocco fan x 2		Sirocco fan x 2			
	*4, *5	External static press.	Pa		<100> - <150> - 200 - <250>					
		mmH ₂ O		<10.2> - <15.3> - 20.4 - <25.5>						
		Motor Type		DC motor						
	Motor output		kW		0.244		0.375			
	Driving mechanism		Direct-driven by motor					0.375		
	*4, *5	Air flow rate (Low-Mid-High)		Normal-airflow rate mode	<High-airflow rate mode>	Normal-airflow rate mode	<High-airflow rate mode>	Normal-airflow rate mode	<High-airflow rate mode>	
				m ³ /min	14.0 - 15.5 - 18.0	15.5 - 18.0 - 20.0	22.5 - 25.0 - 28.0	25.0 - 28.0 - 32.0	28.0 - 31.0 - 35.0	31.0 - 35.0 - 40.0
				L/s	233 - 258 - 300	258 - 300 - 333	375 - 417 - 467	417 - 467 - 533	467 - 517 - 583	517 - 583 - 667
				cfm	494 - 547 - 636	547 - 636 - 706	794 - 883 - 989	883 - 989 - 1,130	989 - 1,095 - 1,236	1,095 - 1,236 - 1,412
Sound pressure level (measured in anechoic room)		Normal-airflow rate mode	<High-airflow rate mode>	Normal-airflow rate mode	<High-airflow rate mode>	Normal-airflow rate mode	<High-airflow rate mode>			
(Low-Mid-High)	*2	dB <A>	34-37-41	36-40-42	35-38-41	36-39-42	38-40-44	38-41-45		
Insulation material			EPS, Polyethylene foam, Urethane foam							
Air filter			Option: Synthetic fiber unwoven cloth filter (long life filter).							
Protection device			Fuse							
Refrigerant control device			LEV							
Connectable outdoor unit			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			
	Gas (R410A)	mm (in.)	15.88 (5/8)Braze		19.05 (3/4)Braze		22.22 (7/8)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)			
Drawing	External		KL94L713		KL94L714		KL94L714			
	Wiring		KL94L765		KL94L766		KL94L766			
	Refrigerant cycle									
Standard attachment	Document		Installation Manual, Instruction Book							
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band							
Optional parts	Drain pump kit		PAC-DRP10DP-E2		PAC-KE06DM-F		PAC-KE06DM-F			
	Long life filter		PAC-KE89LAF		PAC-KE85LAF		PAC-KE85LAF			
	Filter box		PAC-KE140TB-F		PAC-KE250TB-F		PAC-KE250TB-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
1. Cooling capacity indicates the maximum value at operation under the following condition. Cooling: Indoor 33°CDB/28°CWB, Outdoor 33°CDB. The set temperature of the remote controller is 18°C.	BTU/h =kW x 3,412
2. The value are measured at the factory setting of airflow mode and external static pressure.	cfm =m ³ /min x 35.31
3. Heating capacity indicates the maximum value at operation under the following condition. Heating: Indoor 0°CDB/-2.9°CWB, Outdoor 0°CDB/-2.9°CWB. The set temperature of the remote controller is 25°C.	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. If the airflow rate is over the usable range, dew drop can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface can be caused.	
6. Regarding P250VMHS-E-F, the middle notch air flow rate is different from the spec value when the external static pressure setting is set to 100Pa. See "Fan characteristics curves" in DATA BOOK for the details.	
• Fresh air intake type indoor unit is designed to supply pretreated outside air into the room. Do not use to handle internal thermal load.	
• The combination of fresh air intake type indoor units with other types of indoor units to handle internal thermal load which may cause the conflict of operation mode. It is not recommended when fresh air intake type indoor unit is connected to the Y or WY series.	
• Depending on the air conditioning load, outside temperature, and due to the activation of protection functions, the desired preset temperature may not always be achieved and the outlet air temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.	
• Fresh air intake type indoor units cannot be connected to an outdoor unit together with PWFY series.	
• The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below-5°C).	
• When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake type indoor units needs to be 30% or less of the connected outdoor unit capacity.	
• The AUTO mode on the local remote controller is available only when fresh air intake type indoor unit is connected to the R2 or WR2 series of outdoor unit.	
• The system changeover function is available only when all the connected indoor units are fresh air intake type indoor units.	
• The fan temporary stops during defrost.	
• The cooling and heating capacities are the maximum capacities that were obtained by operating in the above air conditions and with a refrigerant pipe of about 7.5m and a level difference of 0m.	
• The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical information in DATA BOOK for the details.	
• Thermo off (Fan) operation automatically starts either when temperature is lower than 17°CDB in cooling mode or when the temperature exceeds 20°CDB in heating mode.	
• Dry mode is not available.	
• When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.	
• Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation. Please be careful when positioning indoor unit air outlet grilles, ie take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.	
• Air filter must be installed in the air intake side. The filter should be attached where easy maintenance is possible in case of usage of field supply filters.	
	*Above specification data is subject to rounding variation.