

1. SPECIFICATIONS

Ceiling concealed (Low noise/Low static pressure type)

PEFY-P-VMR-E-L/R

Model			PEFY-P20VMR-E-L/R	PEFY-P25VMR-E-L/R	PEFY-P32VMR-E-L/R	
Power source			1-phase 220-240V 50Hz / 220-230V 60Hz			
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6	
	*1	BTU / h	7,500	9,600	12,300	
	*4	Power input	kW	0.06 / 0.06	0.07 / 0.08	
	*4	Current input	A	0.29 / 0.29 (220V)	0.34 / 0.38 (220V)	
Heating capacity (Nominal)	*3	kW	2.5	3.2	4.0	
	*3	BTU / h	8,500	10,900	13,600	
	*4	Power input	kW	0.06 / 0.06	0.07 / 0.08	
	*4	Current input	A	0.29 / 0.29 (220V)	0.34 / 0.38 (220V)	
External finish			Galvanized			
External dimension H x W x D		mm	292 x 640 x 580	292 x 640 x 580	292 x 640 x 580	
		in.	11-1/2 x 25-1/4 x 22-7/8	11-1/2 x 25-1/4 x 22-7/8	11-1/2 x 25-1/4 x 22-7/8	
Net weight		kg (lbs)	18 (40)	18 (40)	18 (40)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	
	External (220V) static press. (230, 240V) *5	Pa	5	5	5	
		mmH ₂ O	0.5	0.5	0.5	
		Pa	5	5	5	
		mmH ₂ O	0.5	0.5	0.5	
	Motor type		1-phase induction motor			
	Motor output	kW	0.018	0.018	0.023	
	Driving mechanism		Direct-driven by motor			
	Airflow rate (Low-Mid-High)	m ³ / min	4.8 - 5.8 - 7.9	4.8 - 5.8 - 7.9	4.8 - 5.8 - 9.3	
		L / s	80 - 97 - 132	80 - 97 - 132	80 - 97 - 155	
cfm		170 - 205 - 279	170 - 205 - 279	170 - 205 - 328		
Sound pressure level (Low-Mid-High) (measured in anechoic room)	*4	dB <A>	20 - 25 - 30 * (220V)	20 - 25 - 30 * (220V)	20 - 25 - 33 * (220V)	
		dB <A>	21 - 26 - 32 * (230V)	21 - 26 - 32 * (230V)	21 - 26 - 35 * (230V)	
		dB <A>	22 - 27 - 30 * (240V)	22 - 27 - 30 * (240V)	22 - 27 - 33 * (240V)	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam			
Air filter			PP Honeycomb fabric (washable)			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	
Field drain pipe size		mm (in.)	O.D. 26mm (1)			
Drawing	External		IU-KB94-C854	IU-KB94-C854	IU-KB94-C854	
	Wiring		IU-KB94-C858	IU-KB94-C858	IU-KB94-C858	
	Refrigerant cycle		-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book			
	Accessory		Drain hose I.D. 26mm (1) (flexible joint)			
Remark			* Above sound pressure level is tested in rear air inlet case. It will be a little higher in bottom air inlet case.			
Installation			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			
Note : *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) *3 Nominal heating conditions 20°CDB (68°FDB) 7°CDB/6°CWB (45°FDB/43°FWB) 7.5 m (24-9/16 ft) 0 m (0 ft) Unit converter BTU/h = kW x 3.412 cfm = m³/min x 35.31 lbs = kg / 0.4536 * Nominal conditions *1, *3 are subject to JIS B8615-2. * Due to continuing improvement, above specification may be subject to change without notice. *4 The values are measured at the factory setting of external static pressure. *5 The external static pressure is set to 5 Pa and 0.5 mmH₂O. *Above specification data is subject to rounding variation.						