

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model		PEFY-P20VMA-E4	PEFY-P25VMA-E4	PEFY-P32VMA-E4	PEFY-P40VMA-E4	
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	
	*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 x W x D		mm	250 x 700 x 732	250 x 700 x 732	250 x 700 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)	21.5 (49)	21.5 (49)	21.5 (49)	
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)	
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	
	*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	6.0 - 7.5 - 8.5	6.0 - 7.5 - 8.5	7.5 - 9.0 - 10.5
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, 5 dB <A>		22.0-26.0-28.0	22.0-26.0-28.0	24.0-28.0-31.0	24.0-29.0-32.0	
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		LEV	LEV	LEV	LEV	
Connectable outdoor unit		R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid (R410A) mm (in.)	6.35 (1/4)Braze	6.35 (1/4)Braze	6.35 (1/4)Braze	6.35 (1/4)Braze	
	Gas (R410A) mm (in.)	12.7 (1/2)Braze	12.7 (1/2)Braze	12.7 (1/2)Braze	12.7 (1/2)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		VG01R179	VG01R179	VG01R179	
	Wiring		VG01R181	VG01R181	VG01R181	
	Refrigerant cycle		-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	
Optional parts	Filter box		PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE91TB-E	
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment (Rear inlet)		PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	
	PQ attachment (Bottom inlet)		PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	
	PQ box		PAC-KE91PTB-E	PAC-KE91PTB-E	PAC-KE91PTB-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. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	* Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model			PEFY-P50VMA-E4	PEFY-P63VMA-E4	PEFY-P71VMA-E4	PEFY-P80VMA-E4	
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	
	*2	Power input	kW	0.066	0.087	0.080	0.080
	*2	Current input	A	0.53-0.51-0.49	0.69-0.66-0.63	0.60-0.57-0.55	0.60-0.57-0.55
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	0.064	0.085	0.078	0.078
	*2	Current input	A	0.53-0.51-0.49	0.69-0.66-0.63	0.60-0.57-0.55	0.60-0.57-0.55
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D			mm 250 x 900 x 732	mm 250 x 900 x 732	mm 250 x 1,100 x 732	mm 250 x 1,100 x 732	
			in. 9-7/8 x 35-7/16 x 28-7/8	in. 9-7/8 x 35-7/16 x 28-7/8	in. 9-7/8 x 43-5/16 x 28-7/8	in. 9-7/8 x 43-5/16 x 28-7/8	
Net weight			kg (lbs) 26 (58)	kg (lbs) 27 (60)	kg (lbs) 30 (67)	kg (lbs) 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)	
FAN			Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
*4	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	External static press.	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <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>	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	kW 0.121	kW 0.121	kW 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 12.0 - 14.5 - 17.0	m ³ /min 13.5 - 16.0 - 19.0	m ³ /min 14.5 - 18.0 - 21.0	m ³ /min 14.5 - 18.0 - 21.0	
			L/s 200 - 242 - 283	L/s 225 - 267 - 317	L/s 242 - 300 - 350	L/s 242 - 300 - 350	
			cfm 424 - 512 - 600	cfm 477 - 565 - 671	cfm 512 - 636 - 742	cfm 512 - 636 - 742	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			*2, 5 dB <A> 25.0-32.0-35.0	*2, 5 dB <A> 28.0-32.0-36.0	*2, 5 dB <A> 26.0-32.0-35.0	*2, 5 dB <A> 26.0-32.0-35.0	
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			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	6.35 (1/4)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	
	Gas (R410A)	mm (in.)	12.7 (1/2)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	
Field drain pipe size			mm (in.) O.D.32 (1-1/4")	mm (in.) O.D.32 (1-1/4")	mm (in.) O.D.32 (1-1/4")	mm (in.) O.D.32 (1-1/4")	
Drawing	External		VG01R179	VG01R179	VG01R179	VG01R179	
	Wiring		VG01R181	VG01R181	VG01R181	VG01R181	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	
Optional parts	Filter box		PAC-KE92TB-E	PAC-KE92TB-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-KE92PTB-E	PAC-KE92PTB-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. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model		PEFY-P100VMA-E4	PEFY-P125VMA-E4	PEFY-P140VMA-E4		
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	11.2	14.0	16.0		
	*1 BTU/h	38,200	47,800	54,600		
	*2 Power input kW	0.142	0.199	0.208		
	*2 Current input A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28		
Heating capacity (Nominal)	*3 kW	12.5	16.0	18.0		
	*3 BTU/h	42,700	54,600	61,400		
	*2 Power input kW	0.140	0.197	0.206		
	*2 Current input A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28		
External finish		Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension H x W x 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)	37.5 (84)	38.5 (86)		
Heat exchanger		Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)		
FAN		Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 3		
*4	Type x Quantity		Sirocco fan x 3	Sirocco fan x 3		
	External static press.	Pa	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>	
	Motor Type		DC motor	DC motor	DC motor	
	Motor output kW		0.300	0.300	0.300	
	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 ³ /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0	29.5 - 35.5 - 40.0
			L/s	383 - 467 - 533	467 - 567 - 617	492 - 592 - 667
			cfm	812 - 989 - 1,130	989 - 1,201 - 1,306	1,042 - 1,254 - 1,412
Sound pressure level (measured in anechoic room)		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
*2, 5 dB <A>		31.0-36.0-39.0	35.0-39.0-41.0	34.0-38.0-41.0		
Insulation material		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.		
Protection device		Fuse	Fuse	Fuse		
Refrigerant control device		LEV	LEV	LEV		
Connectable outdoor unit		R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI		
Refrigerant piping diameter	Liquid (R410A) mm (in.)	9.52 (3/8)Brazed	9.52 (3/8)Brazed	9.52 (3/8)Brazed		
	Gas (R410A) mm (in.)	15.88 (5/8)Brazed	15.88 (5/8)Brazed	15.88 (5/8)Brazed		
Field drain pipe size		mm (in.)	O.D.32 (1-1/4")	O.D.32 (1-1/4")		
Drawing	External		VG01R179	VG01R179		
	Wiring		VG01R181	VG01R181		
	Refrigerant cycle		-	-		
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, 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.	*Above specification data is subject to rounding variation.
5. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model			PEFY-P20VMAL-E4	PEFY-P25VMAL-E4	PEFY-P32VMAL-E4	PEFY-P40VMAL-E4	
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	
	*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
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 x W x D			mm 250 x 700 x 732	mm 250 x 700 x 732	mm 250 x 700 x 732	mm 250 x 900 x 732	
			in. 9-7/8 x 27-9/16 x 28-7/8	in. 9-7/8 x 27-9/16 x 28-7/8	in. 9-7/8 x 27-9/16 x 28-7/8	in. 9-7/8 x 35-7/16 x 28-7/8	
Net weight			kg (lbs) 21 (47)	kg (lbs) 21 (47)	kg (lbs) 21 (47)	kg (lbs) 25.5 (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)	
FAN	Type x 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	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, 5 dB <A>	22.0-26.0-28.0	22.0-26.0-28.0	24.0-28.0-31.0	24.0-29.0-32.0
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			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	6.35 (1/4)Braze	6.35 (1/4)Braze	6.35 (1/4)Braze	6.35 (1/4)Braze	
	Gas (R410A)	mm (in.)	12.7 (1/2)Braze	12.7 (1/2)Braze	12.7 (1/2)Braze	12.7 (1/2)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")	O.D.32 (1-1/4")	
Drawing	External		VG01R180	VG01R180	VG01R180	VG01R180	
	Wiring		VG01R181	VG01R181	VG01R181	VG01R181	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, 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. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model		PEFY-P50VMAL-E4	PEFY-P63VMAL-E4	PEFY-P71VMAL-E4	PEFY-P80VMAL-E4		
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		
	*2 Power input kW	0.064	0.085	0.078	0.078		
	*2 Current input A	0.53-0.51-0.49	0.69-0.66-0.63	0.60-0.57-0.55	0.60-0.57-0.55		
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	0.064	0.085	0.078	0.078		
	*2 Current input A	0.53-0.51-0.49	0.69-0.66-0.63	0.60-0.57-0.55	0.60-0.57-0.55		
External finish		Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension H x W x D		mm	250 x 900 x 732	250 x 900 x 732	250 x 1,100 x 732		
		in.	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	9-7/8 x 43-5/16 x 28-7/8	
Net weight		kg (lbs)	25.5 (58)	26.5 (60)	29.5 (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)		
FAN		Sirocco fan x 2					
*4	Type x Quantity		Sirocco fan x 2				
	External static press.	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <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>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	
	Motor Type		DC motor				
	Motor output kW		0.121				
	Driving mechanism		Direct-driven by motor				
	Air flow rate		(Low-Mid-High)				
			m ³ /min	12.0 - 14.5 - 17.0	13.5 - 16.0 - 19.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0
			L/s	200 - 242 - 283	225 - 267 - 317	242 - 300 - 350	242 - 300 - 350
			cfm	424 - 512 - 600	477 - 565 - 671	512 - 636 - 742	512 - 636 - 742
Sound pressure level (measured in anechoic room)		(Low-Mid-High)					
*2, 5 dB <A>		25.0-32.0-35.0	28.0-32.0-36.0	26.0-32.0-35.0	26.0-32.0-35.0		
Insulation material		EPS, Polystyrene foam, Urethane foam					
Air filter		PP honeycomb fabric.					
Protection device		Fuse					
Refrigerant control device		LEV					
Connectable outdoor unit		R410A CITY MULTI					
Refrigerant piping diameter	Liquid (R410A) mm (in.)	6.35 (1/4)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze		
	Gas (R410A) mm (in.)	12.7 (1/2)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze		
Field drain pipe size		mm (in.) O.D.32 (1-1/4")					
Drawing	External	VG01R180	VG01R180	VG01R180	VG01R180		
	Wiring	VG01R181	VG01R181	VG01R181	VG01R181		
	Refrigerant cycle	-	-	-	-		
Standard attachment	Document	Installation Manual, Instruction Book					
	Accessory	Washer, Drain socket, Tie band					
Optional parts	Filter box	PAC-KE92TB-E	PAC-KE92TB-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-KE92PTB-E	PAC-KE92PTB-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.	*Above specification data is subject to rounding variation.
5. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model		PEFY-P100VMAL-E4	PEFY-P125VMAL-E4	PEFY-P140VMAL-E4		
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	11.2	14.0	16.0		
	*1 BTU/h	38,200	47,800	54,600		
	*2 Power input kW	0.140	0.197	0.206		
	*2 Current input A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28		
Heating capacity (Nominal)	*3 kW	12.5	16.0	18.0		
	*3 BTU/h	42,700	54,600	61,400		
	*2 Power input kW	0.140	0.197	0.206		
	*2 Current input A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28		
External finish		Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension H x W x 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)	Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 3	Sirocco fan x 3		
	*4 External static press.	Pa	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>	
	Motor Type		DC motor	DC motor	DC motor	
	Motor output kW		0.300	0.300	0.300	
	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 ³ /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0	29.5 - 35.5 - 40.0
			L/s	383 - 467 - 533	467 - 567 - 617	492 - 592 - 667
	cfm		812 - 989 - 1,130	989 - 1,201 - 1,306	1,042 - 1,254 - 1,412	
Sound pressure level (measured in anechoic room)		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
*2, 5 dB <A>		31.0-36.0-39.0	35.0-39.0-41.0	34.0-38.0-41.0		
Insulation material		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.		
Protection device		Fuse	Fuse	Fuse		
Refrigerant control device		LEV	LEV	LEV		
Connectable outdoor unit		R410A CITY MULTI	R410A CITY MULTI	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	15.88 (5/8)Braze	15.88 (5/8)Braze		
Field drain pipe size		mm (in.)	O.D.32 (1-1/4")	O.D.32 (1-1/4")		
Drawing	External	VG01R180	VG01R180	VG01R180		
	Wiring	VG01R181	VG01R181	VG01R181		
	Refrigerant cycle	-	-	-		
Standard attachment	Document	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band		
Optional parts	Filter box	PAC-KE94TB-E	PAC-KE94TB-E	PAC-KE95TB-E		
	Plasma Quad Connect	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E		
	PQ attachment (Rear inlet)	PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR		
	PQ attachment (Bottom inlet)	PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU		
	PQ box	PAC-KE94PTB-E	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
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.Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	*Above specification data is subject to rounding variation.