Key Technologies



Technical specifications

MODEL			PLFY-MS20VEM	PLFY-MS25VEM	PLFY-MS32VEM	PLFY-MS40VEM	PLFY-MS50VEM
Power source			1-phase 220–240V 50Hz, 1-phase 220V 60Hz				
Cooling capacity *1		kW	2.2	2.8	3.6	4.5	5.6
		Btu/h	7,500	9,600	12,300	15,400	19,100
Heating capacity*1		kW	2.5	3.2	4.0	5.0	6.3
		Btu/h	8,500	10,900	13,600	17,100	21,500
Power input	Cooling	kW	0.03	0.03	0.03	0.03	0.03
	Heating	kW	0.03	0.03	0.03	0.03	0.03
Current input	Cooling	A	0.31	0.31	0.32	0.32	0.32
	Heating	A	0.24	0.24	0.25	0.25	0.25
External finish	Unit		Galvanized steel sheet				
	Grille		Nr. Munsel 1.0Y 9.2/0.2				
External dimension HxWxD	Unit	mm	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840
	Grille	mm	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950
Net weight	Unit	kg	19	19	19	19	19
	Grille	kg	5	5	5	5	5
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		3D Turbo fan x 1				
	Air flow rate*2 (Low-Mid2-Mid1-High)	m^3/min	12 - 13 - 14 - 15	12 - 13 - 14 - 15	13 - 14 - 15 - 16	13 - 14 - 15 - 17	13 - 14 - 16 - 18
	External static press.	Pa	0	0	0	0	0
Air filter			PP honeycomb				
Refrigerant piping diameter	Gas	mm	12,7	12,7	12,7	12,7	12,7
	Liquid	mm	6,35	6,35	6,35	6,35	6,35
Sound pressure level*2*3	(Low-Mid2-Mid1-High)	dB(A)	24 - 26 - 27 - 29	24 - 26 - 27 - 29	26 - 27 - 29 - 31	26 - 27 - 29 - 31	26 - 27 - 29 - 31

Technical specifications

MODEL			PLFY-MS63VEM	PLFY-MS80VEM	PLFY-MS100VEM	PLFY-MS125VEM
Power source			1-phase 220–240V 50Hz, 1-phase 220V 60Hz			
Cooling capacity *1		kW	7.1	9.0	11.2	14.0
		Btu/h	24,200	30,700	38,200	47,800
Heating capacity*1		kW	8.0	10.0	12.5	16.0
		Btu/h	27,300	34,100	42,700	54,600
Power input	Cooling	kW	0.03	0.05	0.07	0.11
	Heating	kW	0.03	0.05	0.07	0.11
Current input	Cooling	A	0.36	0.50	0.67	1.06
	Heating	A	0.29	0.43	0.60	0.99
External finish	Unit		Galvanized steel sheet			
	Grille		Nr. Munsel 1.0Y 9.2/0.2			
External dimension HxWxD	Unit	mm	258 x 840 x 840	258 x 840 x 840	298 x 840 x 840	298 x 840 x 840
	Grille	mm	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950
Net weight	Unit	kg	21	21	24	24
	Grille	kg	5	5	5	5
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		3D Turbo fan x 1			
	Air flow rate*2 (Low-Mid2-Mid1-High)	m^3/min	14 - 15 - 16 - 18	14 - 17 - 20 - 23	20 - 23 - 26 - 29	22 - 26 - 30 - 35
	External static press.	Pa	0	0	0	0
Air filter			PP honeycomb			
Refrigerant piping diameter	Gas	mm	15,8	15,8	15,8	15,8
	Liquid	mm	9,52	9,52	9,52	9,52
Sound pressure level*2*3	(Low-Mid2-Mid1-High)	dB(A)	28 - 29 - 30 - 32	28 - 31 - 34 - 37	28 - 31 - 34 - 37	35 - 39 - 42 - 45

*1 Nominal conditions.
Cooling: Indoor 27°C BS/19°C BU (81°F BS / 66°F BU), Outdoor 35°C BS (95°F BS), Heating: Indoor:20°C DB (68°F DB), Outdoor:7°C DB/6°C WB (45°FDB/43°FWB)
*2 Air flow/noise levels given for operation in low-medium-high modes.
*3 Measured in anechoic chamber with 230V mains power.