PEFY-MS-VMA-A1

Ceiling Concealed Ducted Indoor Units



The **PEFY-MS-VMA-A1** ducted indoor unit is concealed within the ceiling space to allow unobtrusive air conditioning. Flexibility of duct layout allows air flow patterns to be arranged to suit any application.

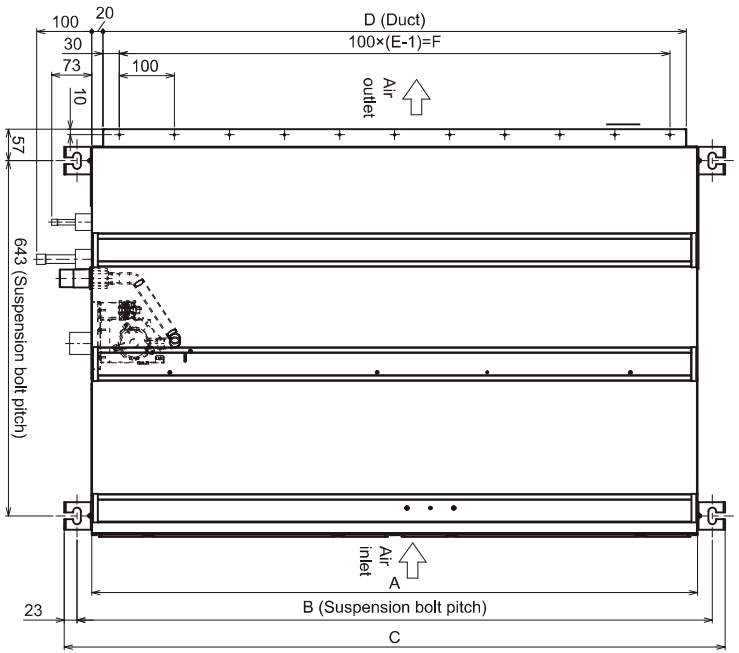
Key Features & Benefits

- Dual Refrigerant Compatibility - compatible with both R32 & R410A refrigerants, making it suitable for a wide range of both retrofit and new build projects
- Enhanced Safety for R32 Applications - built to work with R32 safety measures ensuring compliance with regulation, providing peace of mind
- Optional Low Level Leak Detector (PAC-SL72SA-E) - provides long service life, easy maintenance and supports compliance and safety regulations
- Additional Fan Speed Options - offers a wide range of airflow settings, providing greater flexibility in air distribution to suit different room sizes and layout
- High Sensible Cooling Capacity - delivers improved airflow and better off-coil temperatures, enhancing occupant comfort
- Compact Low-Height Design (250mm) - ideal for tight ceiling voids where space is limited
- Wide External Static Pressure Range (35–150Pa) - ensures consistent performance across various ductwork designs, offering installation flexibility
- Low Noise Operation - utilises a centrifugal fan for quiet performance, creating a more comfortable indoor environment
- Integrated Drain Pump - supplied as standard to simplify installation and ensure reliable condensate removal
- CN105 Connector Compatibility - easily connects to the MELCOBEMS MINI for simple BEMS interfacing
- Compatible with Plasma Quad Connect - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust. For more information, please refer to page 1.1.7

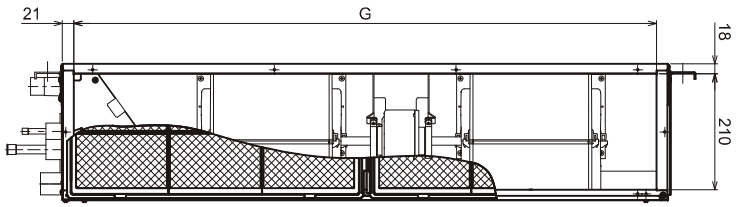
R32 R410A

INDOOR UNITS			PEFY-MS20VMA-A1	PEFY-MS25VMA-A1	PEFY-MS32VMA-A1	PEFY-MS40VMA-A1	PEFY-MS50VMA-A1	PEFY-MS63VMA-A1	PEFY-MS80VMA-A1	PEFY-MS100VMA-A1	PEFY-MS125VMA-A1
CAPACITY (kW)	Heating (nominal)		2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
	Cooling (nominal)		2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
	UK Heating		2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
	UK Total Cooling - Hi (Sensible)		2.00 (1.90)	2.50 (2.10)	3.20 (2.60)	4.00 (3.60)	5.00 (4.80)	6.40 (5.40)	8.10 (7.20)	10.00 (8.40)	12.50 (9.70)
	UK Total Cooling - Mi2		2.00	2.50	3.20	4.00	5.01	6.41	8.11	10.01	12.51
	UK Total Cooling - Mi1		1.94	2.42	3.07	3.83	4.84	6.08	7.78	9.67	12.24
	UK Total Cooling - Lo		1.78	2.22	2.84	3.63	4.58	5.69	7.13	8.97	11.43
POWER INPUT (kW)	Heating (nominal)		0.04	0.04	0.06	0.09	0.13	0.23	0.22	0.21	0.22
	Cooling (nominal)		0.04	0.04	0.06	0.09	0.13	0.14	0.17	0.21	0.22
AIRFLOW (l/s)	Cooling	Lo-Mi1-Mi2-Hi	100-116-142-166	100-116-142-166	123-150-175-208	166-191-225-316	208-241-275-426	225–266–320–436	241–300–350–518	383–466–533–616	425–516–566–616
	Heating	Lo-Mi1-Mi2-Hi	100-116-142-166	100-116-142-166	123-150-175-208	166-191-225-316	208-241-275-426	225–266–320–516	241–300–350–610	383–466–533–616	425–516–566–616
EXTERNAL STATIC PRESSURE (Pa)			35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	35-50-70-100-150	40-50-70-100-150	40-50-70-100-150	40-50-70-100-150
SOUND PRESSURE LEVEL (dBA)	Cooling	Lo-Mi1-Mi2-Hi	21.5-23-26.5-30	21.5-23-26.5-30	24-28-31.5-35.5	23.5-25.5-28.5-37	22-24-26.5-37	23-26-30-37.5	22-25-27.5-38.5	29.5-34-37.5-40	31.5-36.5-38.5-40.5
	Heating	Lo-Mi1-Mi2-Hi	21.5-23-26.5-30	21.5-23-26.5-30	24-28-31.5-35.5	23.5-25.5-28.5-37	22-24-26.5-37	23-26-30-41.5	22-25-27.5-40.5	29.5-34-37.5-40	31.5-36.5-38.5-40.5
WEIGHT (kg)			21	21	21	25	30	30	37	37	38
DIMENSIONS (mm)	Width		700	700	700	900	1100	1100	1400	1400	1400
	Depth		732	732	732	732	732	732	732	732	732
	Height		250	250	250	250	250	250	250	250	250
ELECTRICAL SUPPLY			220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE			Single	Single	Single	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)	Heating / Cooling		0.33 / 0.33	0.33 / 0.33	0.48 / 0.48	0.67 / 0.67	0.90 / 0.90	1.48 / 0.95	1.41 / 1.11	1.38 / 1.38	1.33 / 1.33
FUSE RATING (BS88) - HRC (A)			6	6	6	6	6	6	6	6	6
MAINS CABLE No. Cores			3	3	3	3	3	3	3	3	3

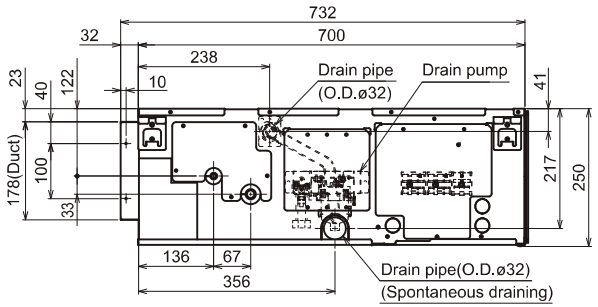
Upper View



Front View



Side View



Model	A	B	C	D	E	F	G
PEFY-MS20,25,32VMA-A1	700	754	800	660	7	600	658
PEFY-MS40VMA-A1	900	954	1000	860	9	800	858
PEFY-MS50,63VMA-A1	1100	1154	1200	1060	11	1000	1058
PEFY-MS80,100,125VMA-A1	1400	1454	1500	1360	14	1300	1358