

# PEFY-MS-VMA-A1

## Ceiling Concealed Ducted Indoor Unit



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 (MAC-100FT-E)** - an innovative, bolt-on air purifying device which neutralises viruses, bacteria, allergens, PM2.5, mould and dust

**R32** **R410A**



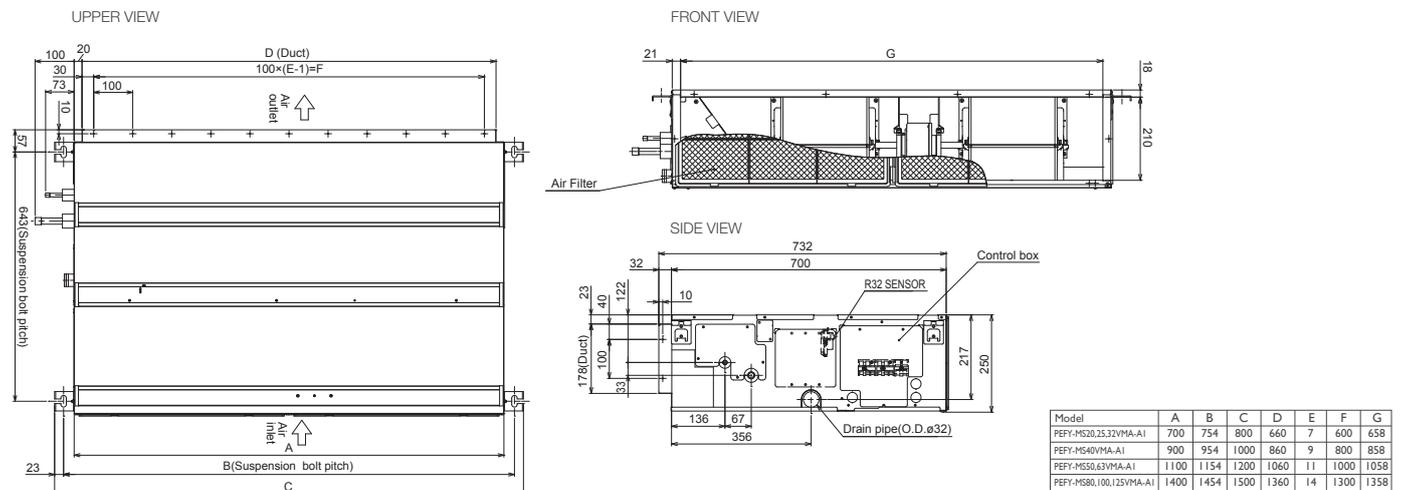
**R32 R410A**



PEFY-MS-VMA-A1 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	
POWER INPUT (kW)	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	
	Heating (nominal)	0.04	0.04	0.06	0.09	0.13	0.23	0.22	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	

Notes: PEFY-MS-VMA-A1 units are compatible for use with PURY-(EM-YXM-A, PUHY-M-YXM-A, PURY-(E)P-YNW-A2, PUHY-P-YNW-A2, PUMY-(S)P-V/YKM/YBM, PUMY-(S)M-V/YKM, PQRV-P-Y(S)LM-A1 & PQHY-P-Y(S)LM-A1 outdoor units only.

**PEFY-MS20/25/32/40/50/63/71/80/100/125VMA-A1 DIMENSIONS**



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Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). \*These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). \*These GWP values are based on IPCC 6th edition.

Effective as of March 2026

