



Mitsubishi Electric's Close Control System is specifically designed for computer rooms, laboratories etc, where a need for high sensible cooling and close control of temperature and humidity is required.

Because of the need for close control 24 hours a day, 365 days a year, an inverter driven compressor has been incorporated into the outdoor unit, maximising the energy efficiency of the PFD series. It can also be connected to a computer network using our AE200 controller, in order to monitor and provide remote email alarms.

Key Features

- High sensible cooling
- Inverter driven capacity control
- Energy efficient with high EER's
- Close control of temperature, $\pm 1^{\circ}\text{C}$
- Easy to install - no service space needed at the rear of the unit
- Quick recovery following power failure
- Return or discharge air temperature control
- Back-up & Rotate function available
- Connectable to PUHY-P250YJM-A
- Stands now available on request
- Optional soft start inverter kit on request



Air Conditioning

Product Information

PFD-P-VM-E (10/20hp) Close Control System

Making a
World of
Difference



CLOSE CONTROL UNITS		PFD-P250VM-E	PFD-P500VM-E ^{*1}
CAPACITY (kW)	Cooling (nominal)	28.0	56.0
SHF	(nominal)	0.93	0.93
POWER INPUT (kW)	Cooling (nominal)	2.5	5.0
AIRFLOW (l/s)	High	2667	5334
EXTERNAL STATIC PRESSURE (Pa)		120	120
PIPE SIZE mm (in)	Gas	22.2 (7/8")	22.2 (7/8") ^{*2}
	Liquid	9.52 (3/8")	9.52 (3/8") ^{*2}
SOUND PRESSURE LEVEL (dBA)		59	63
WEIGHT (kg)		380	520
DIMENSIONS (mm)	Width	1380	1980
	Depth	780	780
	Height	1950	1950
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz
PHASE		3	3
STARTING CURRENT (A)		47	68
RUNNING CURRENT (A)	Cooling	4.9	8.7
FUSE RATING (BS88) - HRC (A)		16	20
MAINS CABLE No. Cores		4 + earth	4 + earth

PIPING RESTRICTIONS	PFD-P-VM-E
TOTAL PIPING LENGTH	165m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)

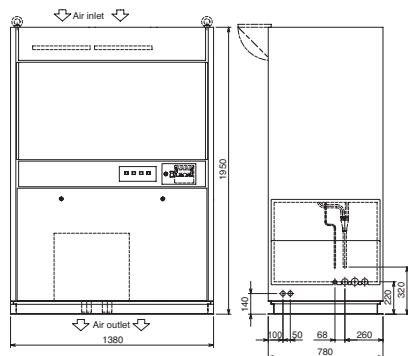
Notes: *1 2 x PUHY-P250YJM-A units are needed when connected to a PFD-P500VM-E. *2 PFD-P500VM-E uses two refrigerant circuits. Pipe sizes are per single refrigerant circuit.

PRODUCT DIMENSIONS

PFD-P250VM-E

Front View

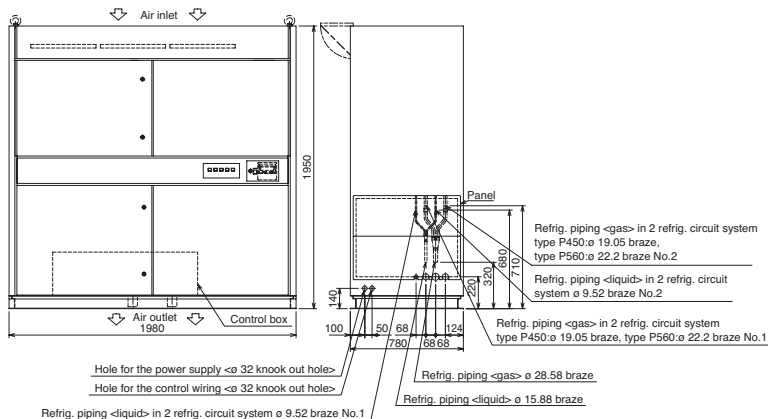
Side View



PFD-P500VM-E

Front View

Side View



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Note: The fuse rating is for guidance only. 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) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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