PFD-P-VM-E (10/20hp)

Heat Pump Close Control System

Mitsubishi Electric's new 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, a newly developed inverter driven compressor has been incorporated into the outdoor unit, maximising the energy efficiency of the PFD series. It is also able to be connected to a computer network using our AG150 controller, in order to monitor and provide remote email alarms.

- High sensible cooling
- Newly developed inverter driven compressor
- Energy efficient with high COP's
- Close control of temperature, ±1°C
- Easy to install - no service space needed at the rear of the unit
- Optional third party humidifier available
- Quick recovery following power failure
- Return or discharge air temperature control
- Back-up & Rotate function available
- Connection to PQHY-P-YHM-A units available mid to late 2009

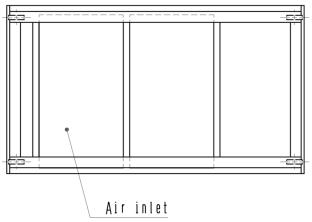
Technical Information

PFD-P-VM-E - INDOOR UNIT				PUHY-P-YHM-A - OUTDOOR UNIT	
MODEL REFERENCE		PFD-P250VM-E	PFD-P500VM-E	PUHY-P250YHM-A	PUHY-P250YHM-A x2
CAPACITY (kW)	Heating (nominal)	31.5	63.0	31.5	63.0
	Cooling (nominal)	28.0	56.0	28.0	56.0
	Heating (UK)	29.1	55.4	28.7	54.8
	Cooling (UK)	26.6	51.5	26.6	51.5
SHF		0.93	0.93	N/A	N/A
POWER INPUT (kW)	Heating (nominal)	2.5	5.0	6.6	6.6 / 6.6
	Cooling (nominal)	2.5	5.0	6.8	6.8 / 6.8
	Heating (UK)	N/A	N/A	6.55	6.55 / 6.55
	Cooling (UK)	N/A	N/A	5.7	5.7 / 5.7
AIRFLOW (m3/min)		160	320	185	185 / 185
EXTERNAL STATIC PRESSURE (Pa)		120	120	N/A	N/A
PIPE SIZE mm(in)	Gas	22.2 (7/8")	28.58 (1 1/8")	22.2 (7/8")	28.58 (1 1/8")
	Liquid	9.52 (3/8")	15.88 (5/8")	9.52 (3/8")	15.88 (5/8")
NOISE (dBA)		59	63	57	57 / 57
WEIGHT (kg)		380	520	200	200 + 200
DIMENSIONS (mm)	Width	1380	1980	920	920 + 920
	Depth	780	780	760	760
	Height	1950	1950	1710	1710
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		3	3	3	3
STARTING CURRENT (A)	Inverter / DOL	47	68	8	8 / 8
RUNNING CURRENT (A)	Heating	4.9	8.7	10.2	10.2 / 10.2
	Cooling	4.9	8.7	10.5	10.5 / 10.5
FUSE RATING (BS88) - HRC (A)		16	20	20	20 / 20
MAINS CABLE No. Cores		4 + earth	4 + earth	4 + earth	4 + earth

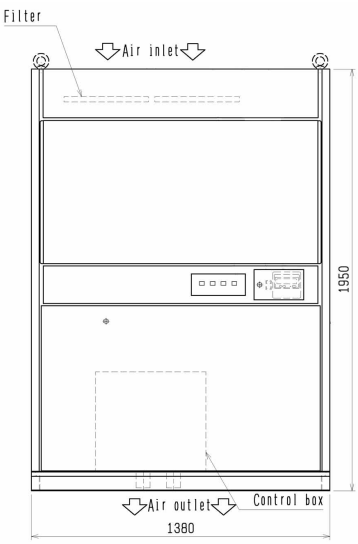
PUHY-P-YHM-A Piping Restrictions	
TOTAL PIPING LENGTH	165m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)

PFD-P250VM-E

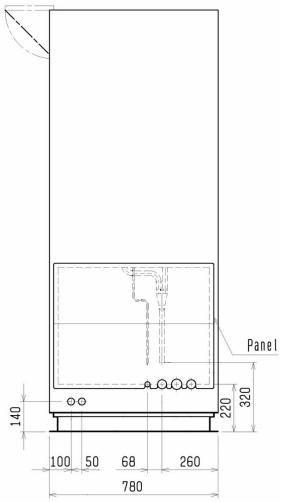
Upper View >



Front View >

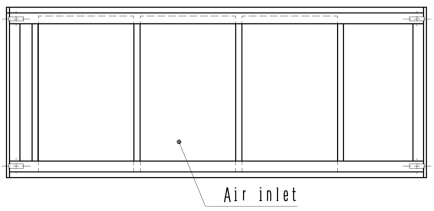


Side View >

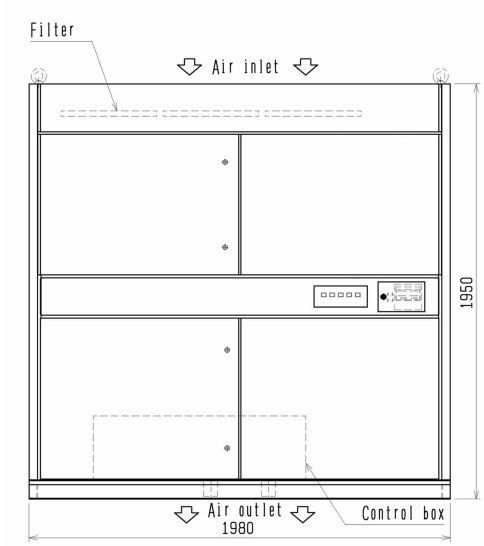
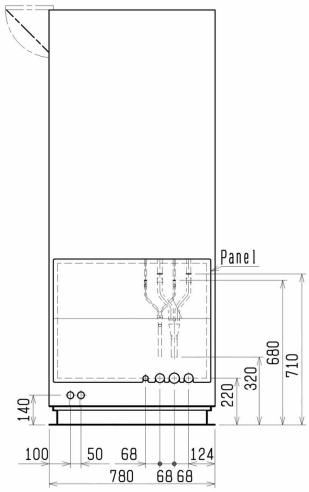


PFD-P500VM-E

Upper View >



Front View >



Side View >