

PHV NT Chilled Water Heat Pump

Sensible Cooling Wall Mounted System

In collaboration with Thermoscreens®, Mitsubishi Electric have developed a sensible cooling wall mounted unit that can be connected to our air to water heat pumps in cooling mode. These systems offer 100% sensible cooling (SHF of 1) for use in server rooms and other sensible cooling applications.

- SHF of 1 and capacity validated by 3rd party assessment (BSRIA)
- Reduced CO₂ emissions
- Reduced Running Costs
- Inverter technology (does not waste energy)
- Easy to install and maintain
- Ideal for small to medium size server rooms / laboratories
- No 3rd party humidifier is required
- PAR-W21MAA controller included
- Pump not included



Technical Information

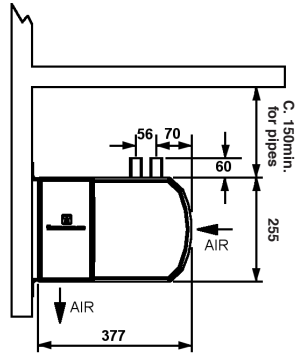
PHV NT - INDOOR UNITS		
MODEL REFERENCE		PHV2000 NT
DIMENSIONS (mm)	Width	2296
	Depth	377
	Height	255
CAPACITY (kW)	Cooling	12.0
SHF		1.0
EER		3.8
ELECTRICAL SUPPLY		220-240v, 50Hz
PHASE		Single
LOADING (A)		2.7
VELOCITY (m/s)		9
AIR VOLUME (m³/h)		2885
WEIGHT (kg)		90
NOISE (dBA) @ 3m		59
WATER VOLUME FLOW RATE (m³/h)		3.18
HYDRAULIC RESISTANCE (kPa @ 3.18 m³/h)		36
WATER VOLUME OF COIL (litres)		5.1

Notes: Water flow temperature to be set to 10°C (cannot be set lower). Includes room/return air temperature control, remote On/Off and room over-heat alarm. Test conditions: 35°C DB / 27°C WB outdoor conditions, 24°C DB / 40% relative humidity indoor conditions - validated by BSRIA assessment.

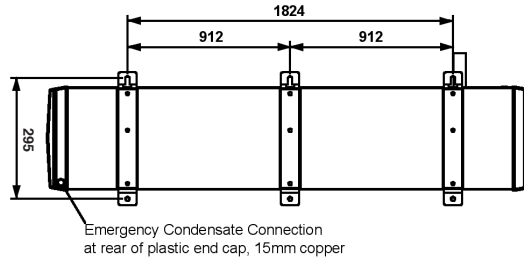
PUHZ-HW - OUTDOOR UNITS			
MODEL REFERENCE		PUHZ-HW140VHA2	PUHZ-HW140YHA2
NOISE (dBA)		53	53
WEIGHT (kg)		134	148
DIMENSIONS (mm)	Width	1020	1020
	Depth	330 + 30	330 + 30
	Height	1350	1350
ELECTRICAL SUPPLY		220-240v, 50Hz	380-415v, 50Hz
PHASE		Single	3
AIRFLOW (m³/min)		100	100
HYDRAULIC RESISTANCE (kPa @ 3.18 m³/h)		15	15
WATER VOLUME IN HEAT EXCHANGER (litres)		2.5	2.5
RUNNING CURRENT (A) [MAX]		22.2 [35]	7.6 [13]
FUSE RATING (BS88) - HRC (A)		40	16
MAINS CABLE No. CORES		3	5
CHARGE R410A (kg)		4.3	4.3
OPERATING RANGE		-5°C ~ +46°C	-5°C ~ +46°C

INDOOR UNIT PHV2000 NT

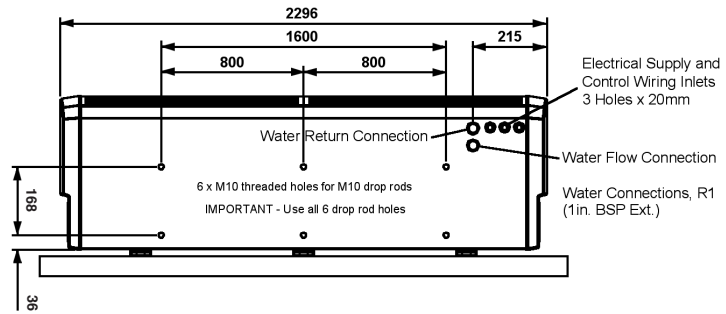
Side View >



Rear View >

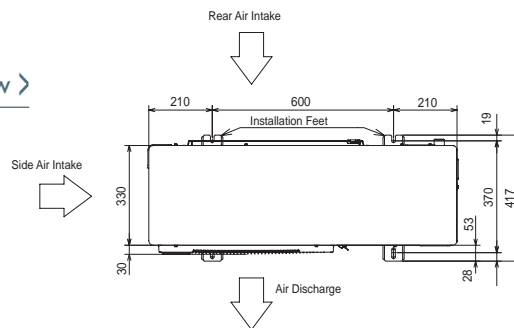


Upper View >

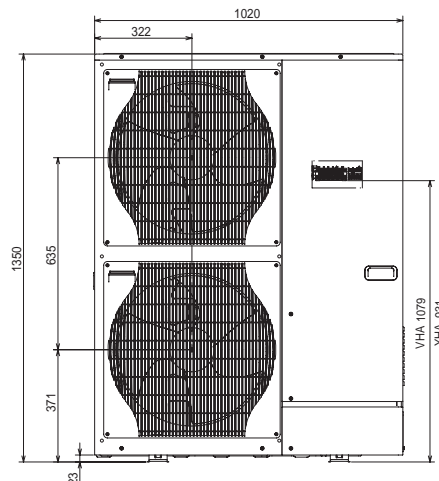


OUTDOOR UNIT PUHZ-HWI40VHA2 / PUHZ-HWI40YHA2

Upper View >



Front View >



Side View >

