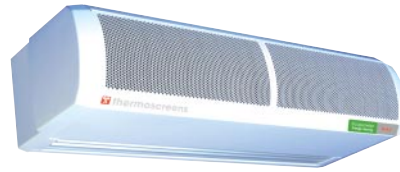


# PHV DXE Heat Pump Air Curtain

## Heat Pump Air Curtain System

In collaboration with Thermoscreens, Mitsubishi Electric have developed a range of air curtains that are able to be connected to our Power Inverter heat pumps, as opposed to the more traditional direct electric method associated with air curtains.

- Reduced CO2 emissions (up to 67%)
- Reduced Running Costs (up to 67%)
- 2.5 year payback period against equivalent Electric system
- Inverter technology (does not waste energy)
- Range of different sizes to suit every application
- Allows open door policy in retail outlets whilst being energy efficient
- Clean environment - protection from dust, fumes etc
- Comfortable climate for customers
- Easy to install and maintain



Technical Information

PHV DXE - RECESSED					
MODEL REFERENCE	PHV1000R DXE HO	PHV1500R DXE LO	PHV1500R DXE HO	PHV2000R DXE LO	PHV2000R DXE HO
DIMENSIONS (mm) (WxDxH)	1150x436x296	1650x436x296	1650x436x296	2240x436x296	2240x436x296
SUPPLY (50Hz)	415V*1	415V*1	415V*1	415V*2	415V*2
HEAT OUTPUT (kW) 100% / 50%	8.6 / 5.34	10.1 / 5.6	14.4 / 8.3	14.1 / 7.9	21.3 / 11.2
COP 100% / 50%	2.4 / 3.15	2.3 / 3.4	2.5 / 3.7	2.9 / 3.7	2.4 / 3.2
LOADING (amps)	9.2*1	12.7*1	12.7*1	15.7*2	15.7*2
VELOCITY (m/s)	9	9	9	9.5	9
AIR VOLUME (m <sup>3</sup> /h)	1400	2500	2600	3300	3130
WEIGHT (kg)	45	66	67	85	88
dB(A) @ 3m 100% / 50%	59 / 57	60 / 58	60 / 58	61 / 59	61 / 59
MAX. MOUNTING HEIGHT (m)	3.5	3.5	3.5	3.5	3.5
OUTDOOR UNIT MODEL	PUHZ-RP71VHA4	PUHZ-RP71VHA4	PUHZ-RP140VKA/YKA	PUHZ-RP100VKA/YKA	PUHZ-RP200YKA

Notes: \*1 for units with electric heaters disabled, 240v power supply 1.8 amp load (1.3 amp load for PHV1000R DXE HO) \*2 for units with electric heaters disabled, 240v power supply 2.7 amp load.

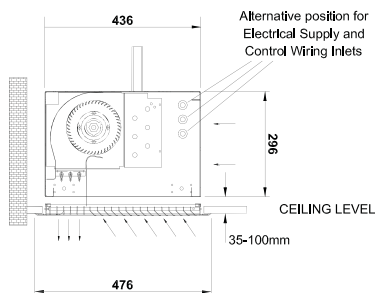
PHV DXE - FREE STANDING					
MODEL REFERENCE	PHV1000 DXE HO	PHV1500 DXE LO	PHV1500 DXE HO	PHV2000 DXE LO	PHV2000 DXE HO
DIMENSIONS (mm) (WxDxH)	1196x377x255	1746x377x255	1746x377x255	2296x377x255	2296x377x255
SUPPLY (50Hz)	415V*1	415V*1	415V*1	415V*2	415V*2
HEAT OUTPUT (kW) 100% / 50%	8.6 / 5.34	10.1 / 5.6	14.4 / 8.3	14.1 / 7.9	21.3 / 11.2
COP 100% / 50%	2.4 / 3.15	2.3 / 3.4	2.5 / 3.7	2.9 / 3.7	2.4 / 3.2
LOADING (amps)	9.2*1	12.7*1	12.7*1	15.7*2	15.7*2
VELOCITY (m/s)	9	9	9	9.5	9
AIR VOLUME (m <sup>3</sup> /h)	1400	2500	2600	3300	3130
WEIGHT (kg)	39	59	60	78	80
dB(A) @ 3m 100% / 50%	59 / 57	60 / 58	60 / 58	61 / 59	61 / 59
MAX. MOUNTING HEIGHT (m)	3.75	3.75	3.75	3.75	3.75
OUTDOOR UNIT MODEL	PUHZ-RP71VHA4	PUHZ-RP71VHA4	PUHZ-RP140VKA/YKA	PUHZ-RP100VKA/YKA	PUHZ-RP200YKA

Notes: \*1 for units with electric heaters disabled, 240v power supply 1.8 amp load (1.3 amp load for PHV1000 DXE HO) \*2 for units with electric heaters disabled, 240v power supply 2.7 amp load.

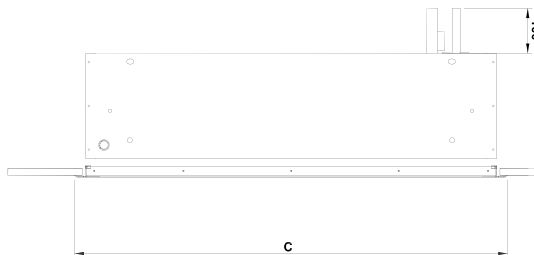
HEAT PUMP OUTDOOR UNITS				
MODEL REFERENCE	PUHZ-RP71VHA4	PUHZ-RP100VKA/YKA	PUHZ-RP140VKA/YKA	PUHZ-RP200YKA
DIMENSIONS (mm) (WxDxH)	950x330+30x943	1050x330+30x1338	1050x330+30x1338	1050x330+30x1338
SUPPLY (50Hz)	230V	230V / 415V	230V / 415V	415V
MAX. CURRENT (A)	19	26.5 / 8	28 / 11	19
FUSE SIZE HRC (BS88)	20	32 / 10	32 / 16	20
MAX. PIPE RUN				
Length (m)	50	50	50	100
Height (m)	30	30	30	30
PIPE SIZES				
Gas mm(in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	28.58 (1 1/8)
Liquid mm(in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
INTERCONNECTING CABLE	2 core	2 core	2 core	2 core

### AIR CURTAIN PHV1000/I500/2000R DXE

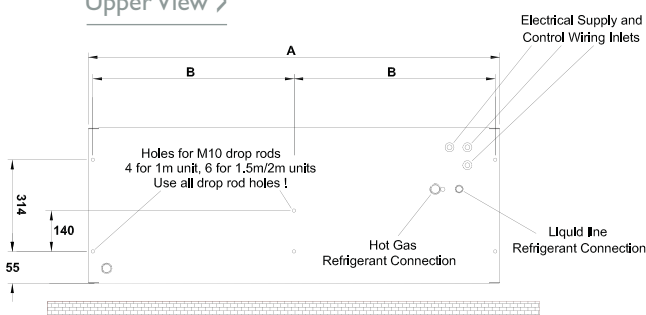
Side View >



Rear View >



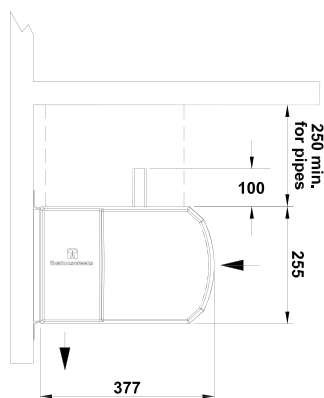
Upper View >



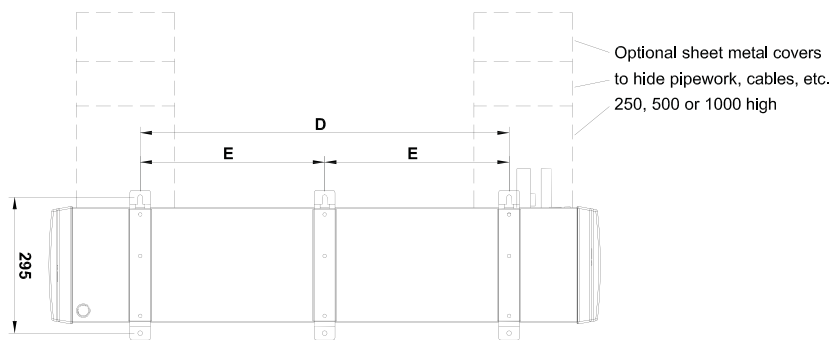
	PHV1000R DXE	PHV1500R DXE	PHV2000R DXE
A(mm)	1150	1650	2240
B(mm)	N/A	800	1095
C(mm)	1190	1690	2290
Length(mm)	1155	1655	2245
Width(mm)	445	445	445

### AIR CURTAIN PHV1000/I500/2000 DXE

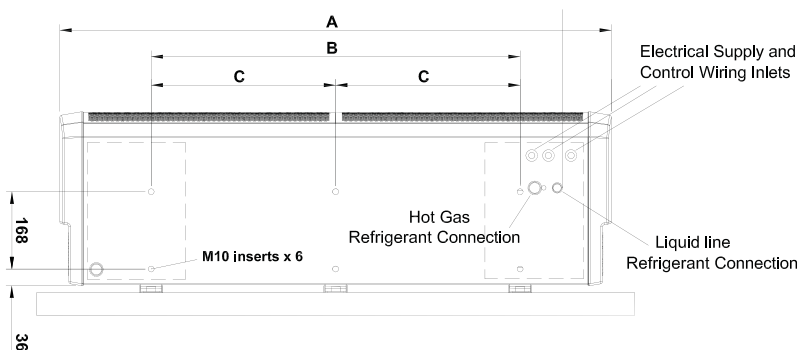
Side View >



Rear View >



Upper View >



	PHV1000DX	PHV1500DX	PHV2000DX
A (mm)	1196	1746	2296
B (mm)	800	1400	1896
C (mm)	N/A	700	948
D (mm)	800	1300	1824
E (mm)	N/A	650	912