

HP DXE

Heat Pump Air Curtain

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

Key Features

- Reduced CO₂ emissions and run costs (up to 67%)
- 2.5 year payback period against equivalent electric systems
- 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
- New centrifugal fan
- New weather compensation option for further energy efficiency



HP DXE - RECESSED	HP1000R DXE	HP1500R DXE	HP1500R DXE	HP2000R DXE	HP2000R DXE	HP2000R DXE
CAPACITY (kW) Heating (nominal)	8.3	13.8	13.8	15.9	15.9	21.0
Cooling (nominal)	7.4	12.3	12.3	14.2	14.2	18.7
AIR VOLUME MAX (m³/h)	1310	2070	2070	2590	2590	2590
SOUND PRESSURE LEVEL AT 3m (dBA) Lo-Mi1-Hi	50-55-58	49-54-58	49-54-58	50-55-58	50-55-58	50-55-58
WEIGHT (kg)	52	75	75	93	93	93
DIMENSIONS (mm) Width x Depth x Height	1250 x 348 x 539	1750 x 348 x 539	1750 x 348 x 539	2340 x 348 x 539	2340 x 348 x 539	2340 x 348 x 539
ELECTRICAL SUPPLY*1	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE*1	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)*1	0.8	1.2	1.2	1.4	1.4	1.4
MAINS CABLE No. Cores*1	3	3	3	3	3	3
UNIFORMITY AT OUTLET (%)*2	90	92	92	90	90	90
MAX MOUNTING HEIGHT (m)	3.3	3.3	3.3	3.3	3.3	3.3

HP DXE - FREE STANDING	HP1000 DXE	HP1500 DXE	HP1500 DXE	HP2000 DXE	HP2000 DXE	HP2000 DXE
CAPACITY (kW) Heating (nominal)	8.3	13.2	13.2	15.7	15.7	21.0
Cooling (nominal)	7.4	11.8	11.8	14.0	14.0	18.7
AIR VOLUME MAX (m³/h)	1310	2070	2070	2590	2590	2590
SOUND PRESSURE LEVEL AT 3m (dBA) Lo-Mi1-Hi	50-55-58	49-54-58	49-54-58	50-55-58	50-55-58	50-55-58
WEIGHT (kg)	46	67	67	84	84	93
DIMENSIONS (mm) Width x Depth x Height	1300 x 468 x 306	1825 x 468 x 306	1825 x 468 x 306	2350 x 468 x 306	2350 x 468 x 306	2350 x 468 x 306
ELECTRICAL SUPPLY*1	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE*1	Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)*1	0.8	1.2	1.2	1.4	1.4	1.4
MAINS CABLE No. Cores*1	3	3	3	3	3	3
UNIFORMITY AT OUTLET (%)*2	90	92	92	90	90	90
MAX MOUNTING HEIGHT (m)	3.3	3.3	3.3	3.3	3.3	3.3

HEAT PUMP OUTDOOR UNITS	PUHZ-ZRP71VHA	PUHZ-ZRP125VKA	PUHZ-ZRP125YKA ③	PUHZ-ZRP140VKA	PUHZ-ZRP140YKA ③	PUHZ-RP200YKA ③
SOUND PRESSURE LEVEL (dBA) Heating/Cooling	48 / 47	52 / 50	52 / 50	52 / 50	52 / 50	59 / 58
SOUND POWER LEVEL (dBA) Cooling	67	70	70	70	70	-
WEIGHT (kg)	67	116	126	119	132	135
DIMENSIONS (mm) Width x Depth x Height	950 x 330 +30 x 943	1050 x 330 +30 x 1338	1050 x 330 +30 x 1338	1050 x 330 +30 x 1338	1050 x 330 +30 x 1338	1050 x 330 +30 x 1338
ELECTRICAL SUPPLY	220-240V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE	Single	Single	Three	Single	Three	Three
STARTING CURRENT (A)	5	5	5	5	5	5
FUSE RATING (BS88) - HRC (A)	25	32	16	40	16	20
INTERCONNECTING CABLE	2 Core	2 Core	2 Core	2 Core	2 Core	2 Core
MAX PIPE LENGTH (m)	50	75	75	75	75	100
MAX HEIGHT DIFFERENCE (m)	30	30	30	30	30	30
CHARGE R410A (kg) - 30m	3.5	5.0	5.0	5.0	5.0	5.0

③ Three Phase Notes: *1 For indoor units with electric heaters enabled, 380-415V 3ph power supply (7.3A HP1000, 12.1A HP1500, 14.4A HP2000). *2 Tested to ISO 27327.



thermoscreens®

Accessories

Outdoor Units

PAC-SG59SG

Air outlet guide for PUHZ-ZRP71VHA

PAC-SH96SG

Air outlet guide for PUHZ-ZRP125-140VKA(YKA)

System Control Units

PAC-SF83MA

A/M-NET adaptor for PUHZ-ZRP71-140VHA(VKA/YKA)

PAR-31MAA

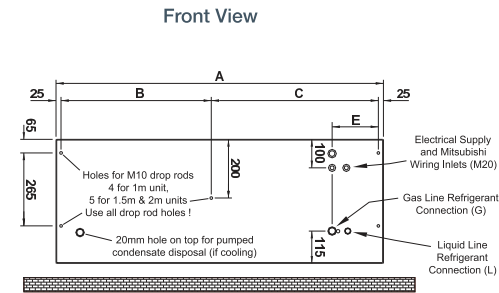
Remote controller

PAR-W21MAA

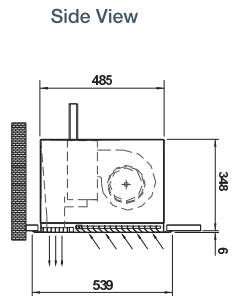
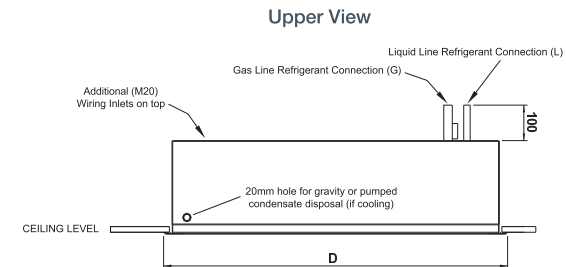
Remote controller

Product Dimensions

HP1000/1500/2000R DX-E

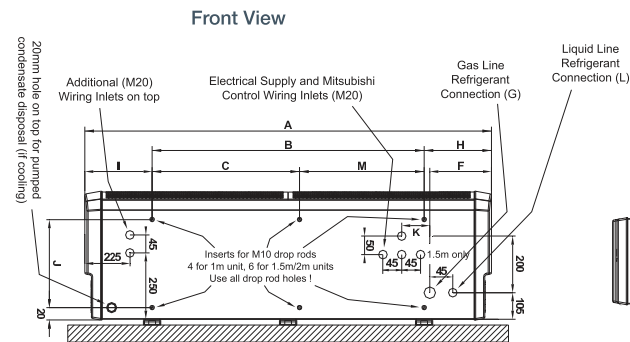


		HP1000R DXE	HP1500R DXE	HP2000R DXE
A (mm)		1250	1750	2340
B (mm)		-	724	1129
C (mm)		-	976	1161
D (mm)		1303	1803	2393
E (mm)		170	166	189
G		5/8 in.	5/8 in.	7/8 in.
L		1/2 in.	1/2 in.	5/8 in.
Cut-Out in Ceiling	Length (mm)	1250	1750	2340
	Width (mm)	485	485	485

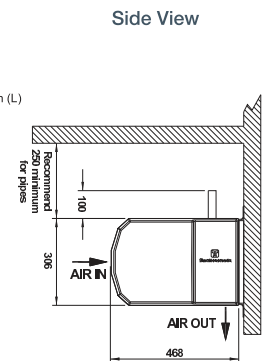
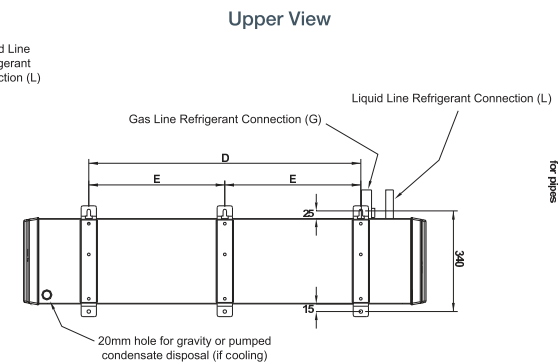


Product Dimensions

HP1000/1500/2000 DX-E



	HP1000DXE	HP1500DXE	HP2000DXE
A (mm)	1300	1825	2350
B (mm)	605	1225	1793
C (mm)	-	655	918
D (mm)	898	1398	1904
E (mm)	-	699	952
F (mm)	182	222	204
G	5/8 in.	5/8 in.	7/8 in.
H (mm)	442	333	299
I (mm)	253	267	258
J (mm)	359	359	334
K (mm)	80	45	80
L	1/2 in.	1/2 in.	3/8 in.
M (mm)	-	570	875



Note: additional accessories are available, please see the Optional Extras page at the end of this section for the full range.