Air Conditioning

Product Information

HP DXE Power Inverter Heat PumpAir Curtain System

Making a World of Difference



HP DXE Power Inverter Heat Pump

Air Curtain System

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 (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
- New centrifugal fan
- New weather compensation option for further energy efficiency
- Eligible for ECA



Air Conditioning | Heating Ventilation | Controls



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hermoscreens	

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 (m ³ /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					
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 (m ³ /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					
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 Three Phase	PUHZ-ZRP140VKA	PUHZ-ZRP140YKA 3 Three Phase	PUHZ-RP200YKA ③ Three Phase
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

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.

3 Three Phase



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Mitsubishi Electric UK's commitment to the environment



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