

HP DXE R410A Air Curtain System

Power Inverter Heat Pump

In collaboration with Thermoscreens®, Mitsubishi Electric has developed a 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
- Allows open door policy in retail outlets whilst being energy efficient
- Clean environment - protection from dust, fumes etc
- New centrifugal fan
- 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
AIRFLOW MAX (l/s)	364	575	575	720	720	720
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 539 x 348	1750 x 539 x 348	1750 x 539 x 348	2340 x 539 x 348	2340 x 539 x 348	2340 x 539 x 348
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
AIRFLOW MAX (l/s)	364	575	575	720	720	720
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-ZRP71VHA2	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3 ^③	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3 ^③	PUHZ-ZRP200YKA2 ^③
SOUND PRESSURE LEVEL (dBA) Heating/Cooling	48 / 47	52 / 50	52 / 50	52 / 50	52 / 50	62 / 59
SOUND POWER LEVEL (dBA) Cooling	67	70	70	70	70	-
WEIGHT (kg)	70	116	125	118	131	135
DIMENSIONS (mm) Width x Depth x Height	950 x 330 +30 x 943	1050 x 330 +40 x 1338	1050 x 330 +40 x 1338	1050 x 330 +40 x 1338	1050 x 330 +40 x 1338	1050 x 330 +40 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 REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088) - 30m	3.50 / 7.31	5.00 / 10.44	5.00 / 10.44	5.00 / 10.44	5.00 / 10.44	7.10 / 14.82
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)	1.20 / 2.51	2.40 / 5.01	2.40 / 5.01	2.40 / 5.01	2.40 / 5.01	3.60 / 7.52 (up to 75m ^③)



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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. *3 For 75-100m please consult the Service Handbook.