

HP DX 2.0

R32 Air Curtain System

Power Inverter Heat Pump

Mr.SLIM™

Thermoscreens

The **HP DX 2.0 R32 Power Inverter** air curtain range is an innovative collaboration between Mitsubishi Electric and UK manufacturer, Thermoscreens.

The units are available as exposed or recessed models, in 1, 1.5 or 2m widths, giving exceptional flexibility for commercial overdoor applications such as retail stores, offices and hotel lobbies.

R32

Key Features & Benefits:

- Allows open door policy by providing an invisible air barrier between indoors and outdoors
- Reduces energy use by preventing conditioned air escaping
- Lower run costs and carbon emissions achieved through connection to the highly efficient Mr Slim Power Inverter outdoor units
- Large or double entrance doors are supported through twin-split air curtain capability from a single outdoor unit (air curtains must be same size)
- Improves indoor air quality by reducing infiltration of outside pollutants



Air Conditioning Product Information

HP DX 2.0 R32 Air Curtain System Power Inverter Heat Pump

R32

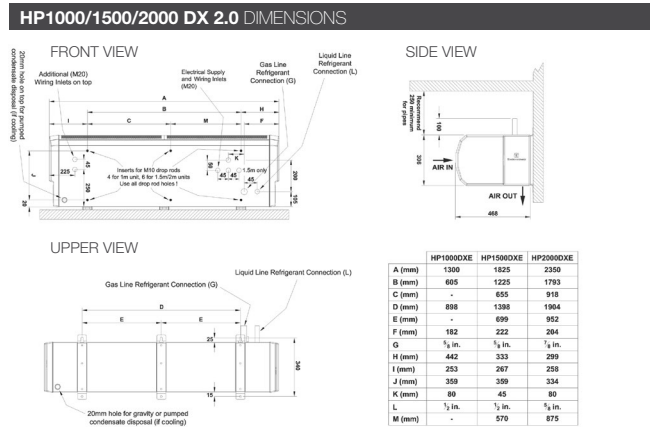
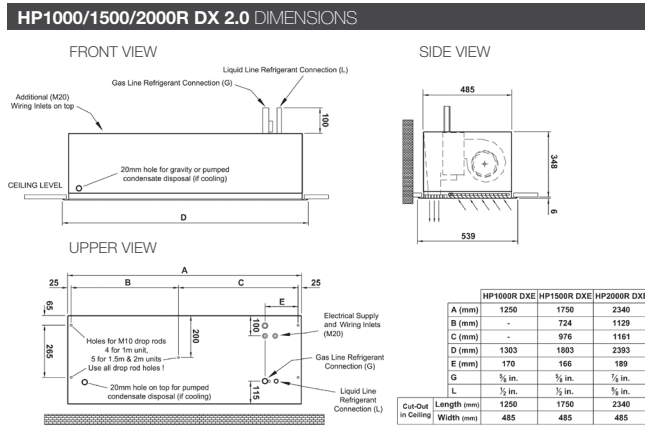


HP DX 2.0 - RECESSED		HP1000R DX 2.0	HP1500R DX 2.0	HP1500R DX 2.0	HP2000R DX 2.0	HP2000R DX 2.0	HP2000R DX 2.0
CAPACITY (kW)	Heating (nominal)	8.3	13.2	13.2	15.7	15.7	21.0
	Cooling (nominal)	7.4	11.8	11.8	14.0	14.0	18.7
AIRFLOW MAX (l/s)		364	575	575	720	720	720
SOUND PRESSURE LEVEL AT 3m (dBA)	Lo-Mi-Hi	47-54-57	45-52-56	45-52-56	47-54-57	47-54-57	47-54-57
WEIGHT (kg)		52	75	75	93	93	93
DIMENSIONS (mm) (inc. grille)	Width x Depth x Height	1250 (1303) x 485 (539) x 348	1750 (1803) x 485 (539) x 348	1750 (1803) x 485 (539) x 348	2340 (2393) x 485 (539) x 348	2340 (2393) x 485 (539) x 348	2340 (2393) x 485 (539) x 348
ELECTRICAL SUPPLY		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)		0.8	1.2	1.2	1.4	1.4	1.4
MAINS CABLE No. Cores		3	3	3	3	3	3
UNIFORMITY AT OUTLET (%) ¹		90	92	92	90	90	90
MAX MOUNTING HEIGHT (m)		3.2	3.2	3.2	3.2	3.2	3.2

HP DX 2.0 - FREE STANDING		HP1000 DX 2.0	HP1500 DX 2.0	HP1500 DX 2.0	HP2000 DX 2.0	HP2000 DX 2.0	HP2000 DX 2.0
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-Mi-Hi	47-54-57	45-52-56	45-52-56	47-54-57	47-54-57	47-54-57
WEIGHT (kg)		46	67	67	84	84	84
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		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)		0.8	1.2	1.2	1.4	1.4	1.4
MAINS CABLE No. Cores		3	3	3	3	3	3
UNIFORMITY AT OUTLET (%) ¹		90	92	92	90	90	90
MAX MOUNTING HEIGHT (m)		3.2	3.2	3.2	3.2	3.2	3.2

HEAT PUMP OUTDOOR UNITS		PUZ-ZM71VHA2	PUZ-ZM125VKA2	PUZ-ZM125YKA2 ③	PUZ-ZM140VKA2	PUZ-ZM140YKA2 ③	PUZ-ZM200YKA2 ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 47	52 / 50	52 / 50	52 / 50	52 / 50	62 / 59
	Cooling	67	70	70	70	70	77
WEIGHT (kg)		67	105	114	105	118	137
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 + 25 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)		5.3	13.2	3.3	13.2	3.3	5.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	7.79 / 7.06 [19.3]	15.77 / 14.53 [27.0]	5.32 / 4.89 [10.0]	18.41 / 15.88 [28.7]	6.23 / 5.37 [13.7]	9.57 / 8.58 [22.5]
FUSE RATING (BS88) - HRC (A)		25	32	16	40	16	25
INTERCONNECTING CABLE		2 Core	2 Core	2 Core	2 Core	2 Core	2 Core
MAX PIPE LENGTH (m)		55	85	85	85	85	85
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		2.80 / 1.89 (30m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	6.3 / 4.25 (30m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		0.80 / 0.54	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.20 / 1.49

③ Three Phase Note: *1 Tested to ISO 27327.



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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of April 2023

