

HP DX 2.0 R32 Air Curtain System

Power Inverter Heat Pump

The **HP DX 2.0 Power Inverter** air curtain range is the latest innovation from the collaboration between Mitsubishi Electric and Thermoscreens. These innovative air curtains are available as exposed or recessed versions, giving exceptional flexibility for commercial overhead applications such as retail stores, office and hotel lobbies.

Key Features & Benefits

- Helps our customers meet their corporate social responsibility targets by using lower GWP R32 refrigerant
- Lower run costs and carbon emissions achieved with connection to flagship Mr Slim Power Inverter high efficiency outdoor units
- Large / double door openings are supported through twin-split air curtain capability

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) 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	Heating	49 / 47	52 / 50	52 / 50	52 / 50	52 / 50	62 / 59
	Cooling	67	70	70	70	77	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
FUSE RATING (BS88) - HRC (A)		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]
SYSTEM RUNNING CURRENT (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 Notes: *1 Tested to ISO 27327.

Accessories

Outdoor Units

PAC-SG59SG

Air outlet guide for PUZ-ZM71VHA2

PAC-SH96SG

Air outlet guide for PUZ-ZM125-140VKA2/YKA2

PAC-SJ71FM-E

30Pa outdoor fan motor for PUZ-ZM100-140VKA2/YKA2

System Control Units

PAC-SJ95MA

M-NET adaptor for size 71 to 200

PAR-41MAA

Standard wired remote controller

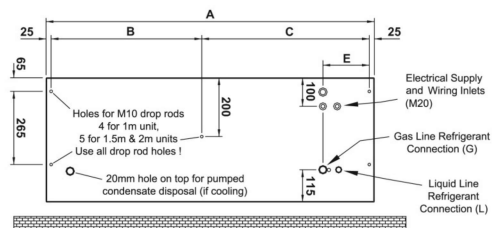
MELCOBEMS MINI (A1M+)

Modbus and BACnet MSTP CN105 adaptor

Product Dimensions

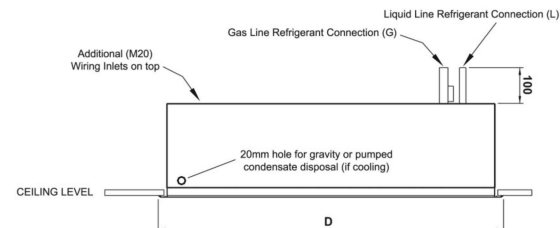
HP1000/1500/2000R DX 2.0

Front View

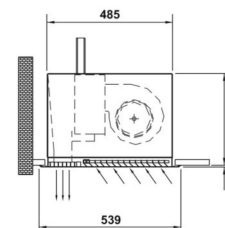


		HP1000R DX 2.0	HP1500R DX 2.0	HP2000R DX 2.0
A (mm)		1250	1750	2340
B (mm)		-	724	1129
C (mm)		-	976	1161
D (mm)		1303	1803	2393
E (mm)		170	166	189
G		5/8 in.	5/8 in.	7/8 in.
L		1/2 in.	1/2 in.	5/8 in.
Cut-Out in Ceiling	Length (mm)	1250	1750	2340
	Width (mm)	485	485	485

Upper View



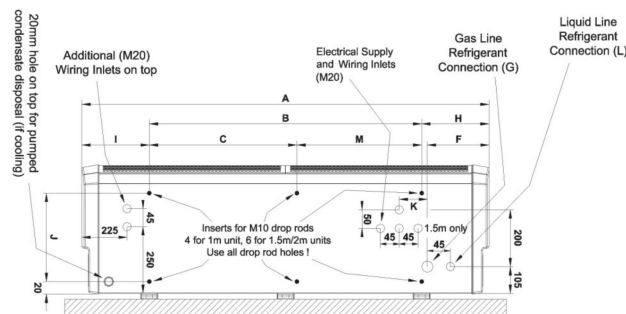
Side View



Product Dimensions

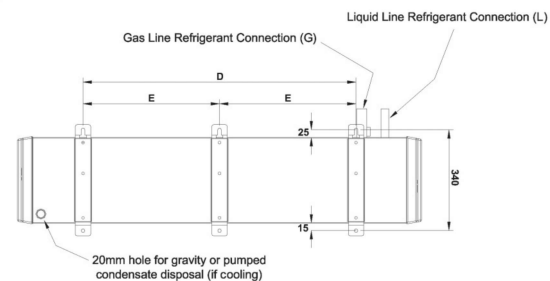
HP1000/1500/2000 DX 2.0

Front View

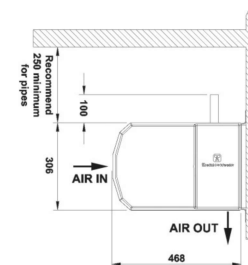


		HP1000 DX 2.0	HP1500 DX 2.0	HP2000 DX 2.0
A (mm)		1300	1825	2350
B (mm)		605	1225	1793
C (mm)		-	655	918
D (mm)		898	1398	1904
E (mm)		-	699	952
F (mm)		182	222	204
G		5/8 in.	5/8 in.	7/8 in.
H (mm)		442	333	299
I (mm)		253	267	258
J (mm)		359	359	334
K (mm)		80	45	80
L		1/2 in.	1/2 in.	5/8 in.
M (mm)		-	570	875

Upper View



Side View



Note: Please see page 1.3.66 for the full range of accessories.