

TECHNICAL SPECIFICATIONS - VRF - MDHX - HIGH PRESSURE DUCT TYPE

5.6kW TO 28.0kW CAPACITY

Large capacity units offer flexible options for a wide range of applications for domestic and commercial use. Unit can be installed in small homes and large spaces. Available in 12 sizes.

HIGH STATIC PRESSURE TYPE

Static pressure can be up to 150 Pa, especially suitable for places in need of long distance airflow.

EASY MAINTENANCE

Electrical assembly is conveniently placed on the side for easy access during maintenance.

DC INVERTER

The inverter system features DC inverter technology. High energy efficiency results in significant savings in running costs. Inverter technology eliminates temperature fluctuations and results in quicker and finer temperature control and comfort.

MODBUS GATEWAY

Modbus gateway provides system with Modbus protocol when connecting to the Building Management System (BMS). Real time monitoring of unit operation status.

CONVENIENT INSTALLATION

You can choose circular air duct or rectangular air duct according to actual needs. Can be suspended on hanging bracket supplied or can sit on a platform.

SMART INSTALLER FEATURES

Anti-corrosive coating on all printed circuit boards to help protect the electronics. Dry connection for gate card or remote on/off operation, great for schools and hotels. Blue fin coils for corrosion protection. Mono / multi compatible. Intelligent Auto Reset, with power off memory function.

CENTRAL CONTROL

One wired controller can control multiple indoor units. With various functions: group management, schedule management, single unit control, temp setting, fan speed, quiet, swing control. Central controller interface has elegant and fashionable appearance.

PERFORMANCE SUMMARY

Indoor Unit	Airflow l/s (m³/h)	Cooling Capacity	Heating Capacity
MDHX056D1H	278 (1000)	5.6	6.3
MDHX063D1H	278 (1000)	6.3	7.1
MDHX071D1H	306 (1100)	7.1	8.0
MDHX080D1H	306 (1100)	8.0	9.0
MDHX090D1H	472 (1700)	9.0	10.0
MDHX100D1H	472 (1700)	10.0	11.2
MDHX112D1H	472 (1700)	11.2	12.5
MDHX125D1H	556 (2000)	12.5	14.0
MDHX140D1H	556 (2000)	14.0	16.0
MDHX160D1H	736 (2650)	16.0	17.0
MDHX224D1H	1111 (4000)	22.4	25.0
MDHX280D1H	1222 (4400)	28.0	31.0

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TECHNICAL SPECIFICATIONS

Braemar Part Number		MDHX056D1H	MDHX063D1H	MDHX071D1H	MDHX080D1H
Power Supply	V / Ph / Hz	220-240 / 1 / 50			
Cooling Capacity	kW	5.6	6.3	7.1	8.0
Heating Capacity	kW	6.3	7.1	8.0	9.0
Indoor Power (Rated)	W	120	120	130	130
Current (Max)	A	0.6	0.6	0.6	0.6
Air flow	(H/M/L) m³/h	1000/800/600	1000/800/600	1100/900/700	1100/900/700
ESP	Pa	70 / 0 ~ 100			
Sound Pressure Level	(H/M/L) dB(A)	44/40/36	44/40/36	45/41/37	45/41/37
Connection Pipe	Liquid (mm)	Ø9.52			
	Gas (mm)	Ø15.9			
Drain Pipe	Dia / Thick (mm)	Ø25 x 2.5			
Built In Drain Pump		Yes			
Dimensions WxDxH	Outline (mm)	1271x558x268	1271x558x268	1271x558 x268	1271x558x268
	Packaged (mm)	1348x597x283	1348x597x283	1348x597x283	1348x597x283
Weight (Net / Gross)	kg	35 / 40	35 / 40	35 / 40	35 / 40

Braemar Part Number		MDHX090D1H	MDHX100D1H	MDHX112D1H	MDHX125D1H
Power Supply	V / Ph / Hz	220-240 / 1 / 50			
Cooling Capacity	kW	9.0	10.0	11.2	12.5
Heating Capacity	kW	10.0	11.2	12.5	14.0
Indoor Power (Rated)	W	200	200	200	220
Current (Max)	A	1.0	1.0	1.0	1.0
Air flow	(H/M/L) m³/h	1700/1450 /1100	1700/1450 /1100	1700/1450 /1100	2000/1550 /1200
ESP	Pa	70 / 0 ~ 100			
Sound Pressure Level	(H/M/L) dB(A)	46/44/42	46/44/42	46/44/42	48/45/42
Connection Pipe	Liquid (mm)	Ø9.52			
	Gas (mm)	Ø15.9			
Drain Pipe	Dia / Thick (mm)	Ø25 x 2.5			
Built In Drain Pump		Yes			
Dimensions WxDxH	Outline (mm)	1229x775x290	1229x775x290	1229x775x290	1229x775x290
	Packaged (mm)	1338x887x305	1338x887x305	1338x877x305	1338x877x305
Weight (Net / Gross)	kg	47 / 54	47 / 54	47 / 54	47 / 54

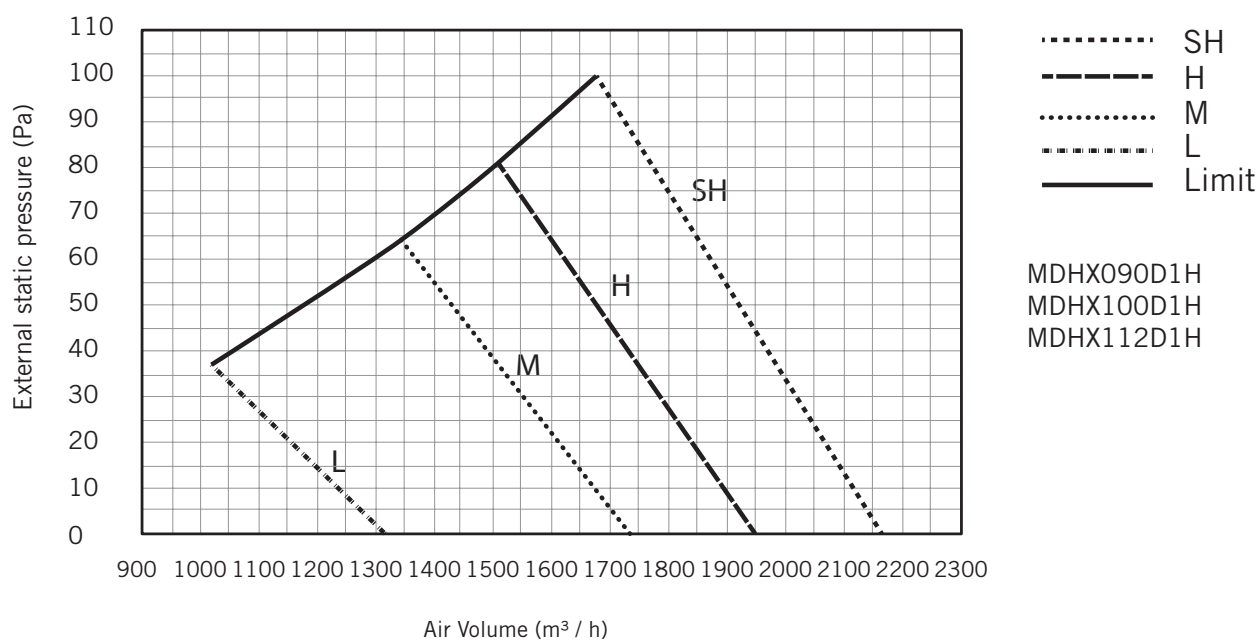
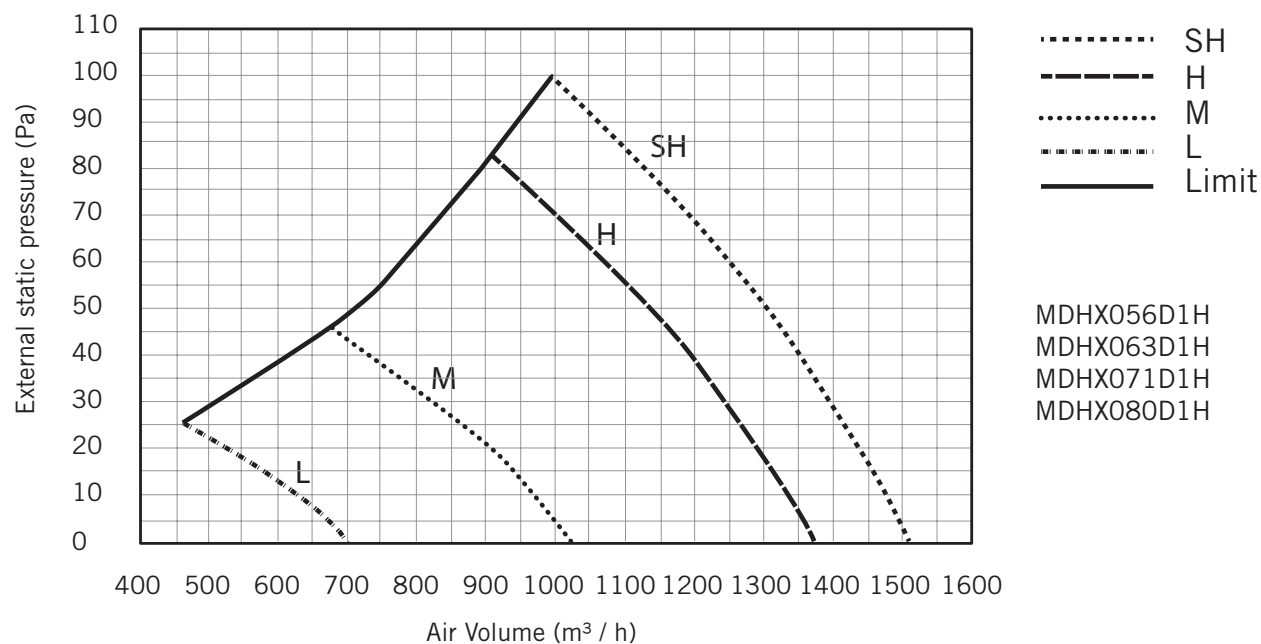
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TECHNICAL SPECIFICATIONS

Braemar Part Number		MDHX140D1H	MDHX160D1H	MDHX224D1H	MDHX280D1H
Power Supply	V / Ph / Hz	220-240 / 1 / 50			
Cooling Capacity	kW	14.0	16.0	22.4	28.0
Heating Capacity	kW	16.0	17.0	25.0	31.0
Indoor Power (Rated)	W	220	350	800	900
Current (Max)	A	1.0	1.7	4.1	4.6
Air flow	(H/M/L) m³/h	2000/1700 /1400	2650	4000/3600 /3200	4400/4000 /3600
ESP	Pa	70 / 0 ~ 100	70 / 0 ~ 150	150 / 50 ~ 200	150 / 50 ~ 200
Sound Pressure Level	(H/M/L) dB(A)	48/46/44	50/48/46	54/52/49	55/52/50
Connection Pipe	Liquid (mm)	Ø9.52	Ø9.52	Ø9.52	Ø9.52
	Gas (mm)	Ø15.9	Ø19.05	Ø19.05	Ø22.2
Drain Pipe	Dia / Thick (mm)	Ø25 x 2.5	Ø20 x 1.2	Ø30 x 1.5	Ø30 x 1.5
Built In Drain Pump		Yes	Yes	No	No
Dimensions WxDxH	Outline (mm)	1229x775x290	1340x750x350	1483x791x385	1686x870x450
	Packaged (mm)	1338x877x305	1423x837x455	1578x883x472	1788x988x580
Weight (Net / Gross)	kg	47 / 54	60 / 71	82 / 104	105 / 140

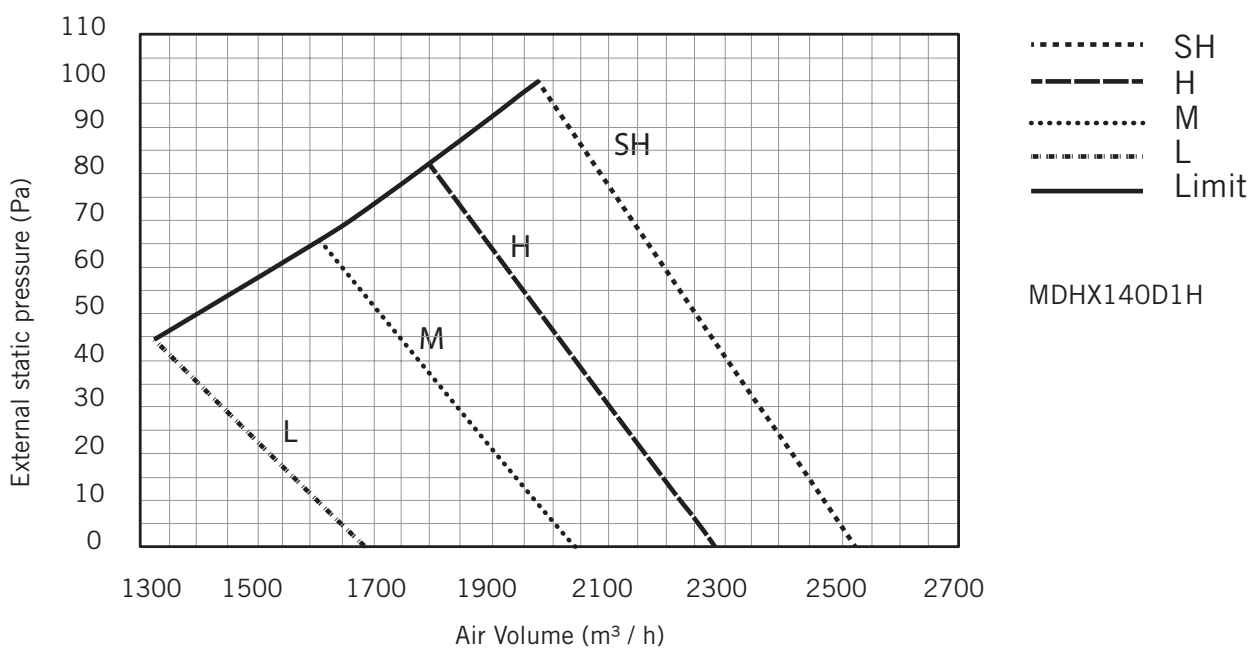
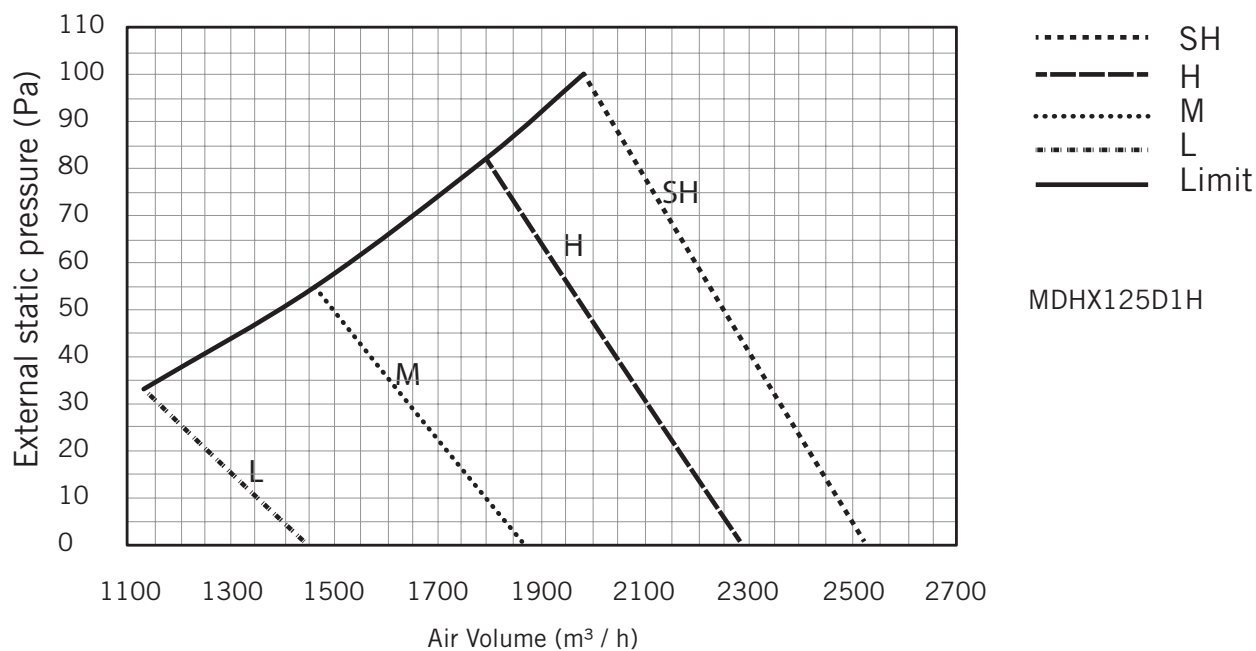
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FAN CHARACTERISTIC CURVE



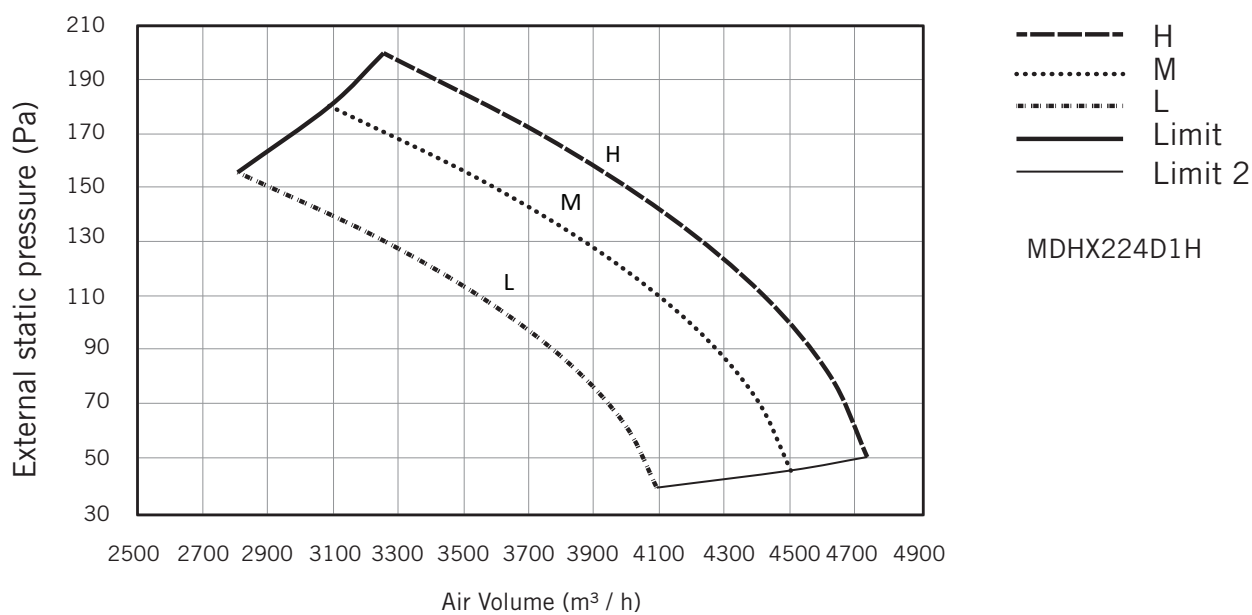
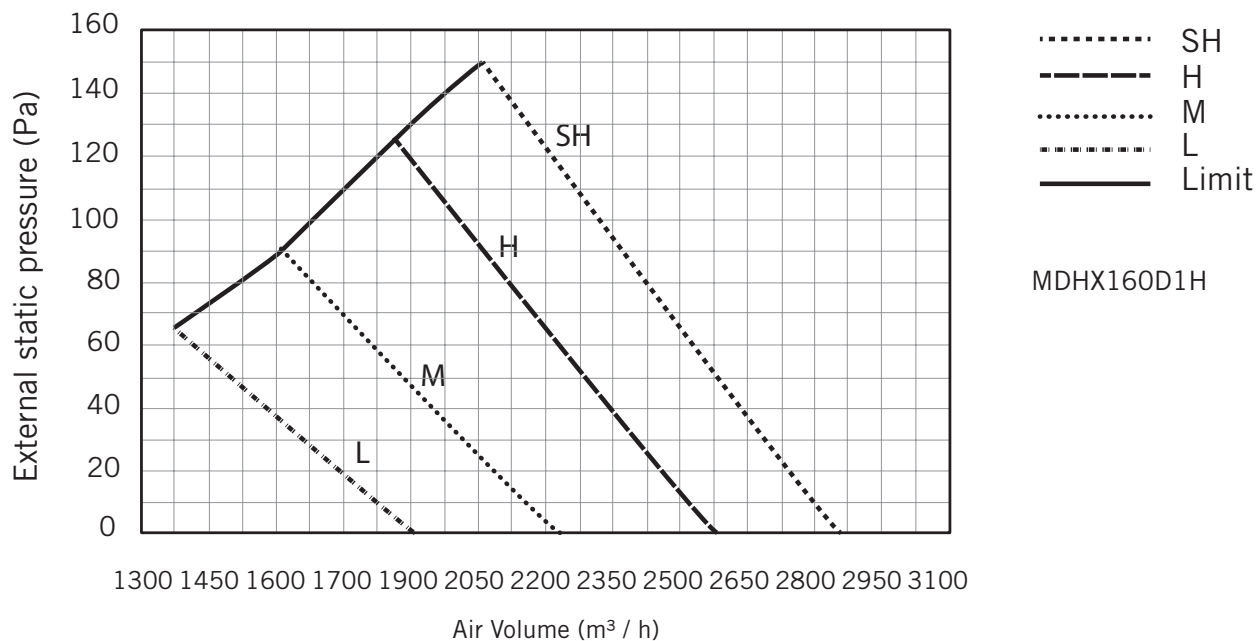
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FAN CHARACTERISTIC CURVE



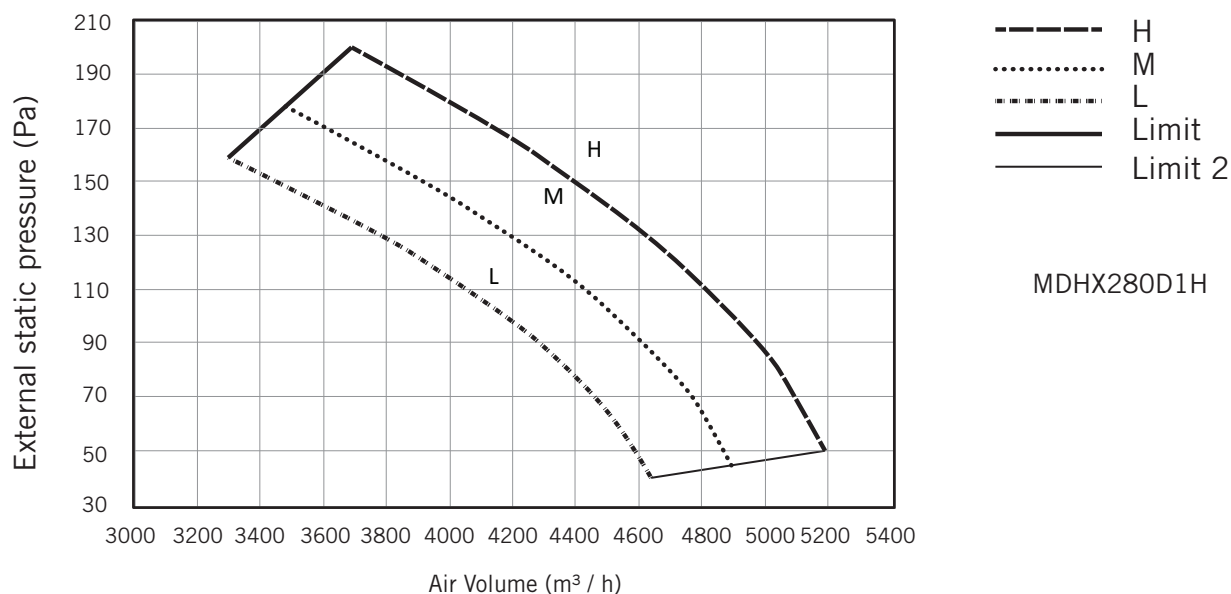
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FAN CHARACTERISTIC CURVE



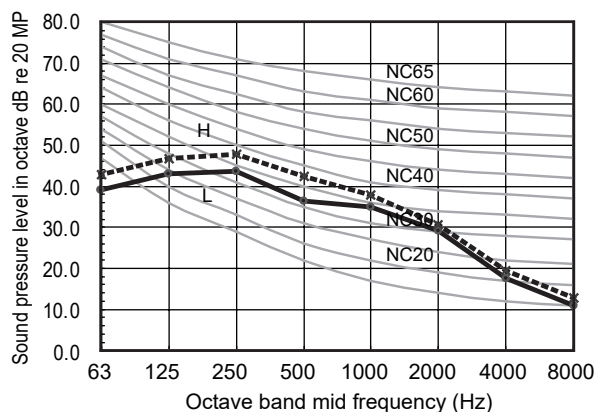
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FAN CHARACTERISTIC CURVE

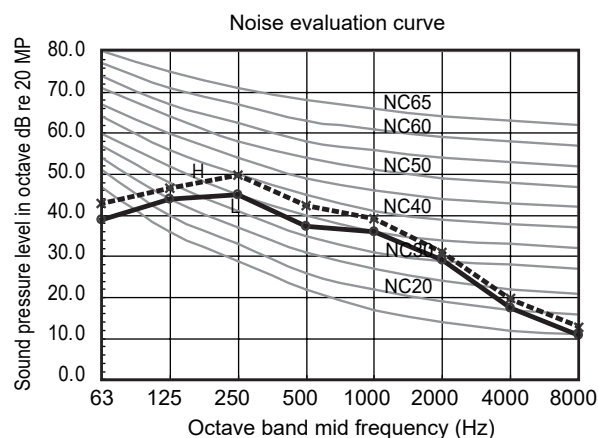


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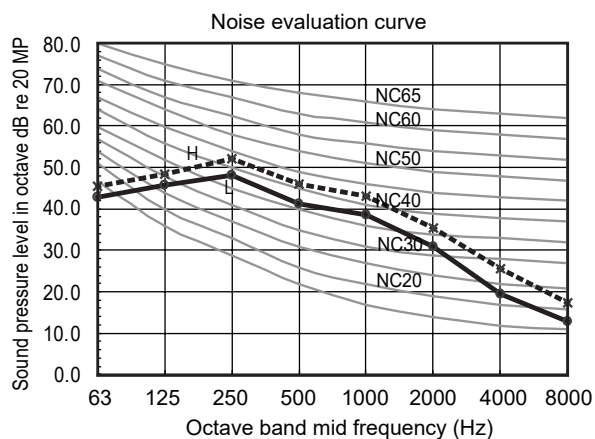
NOISE CURVES



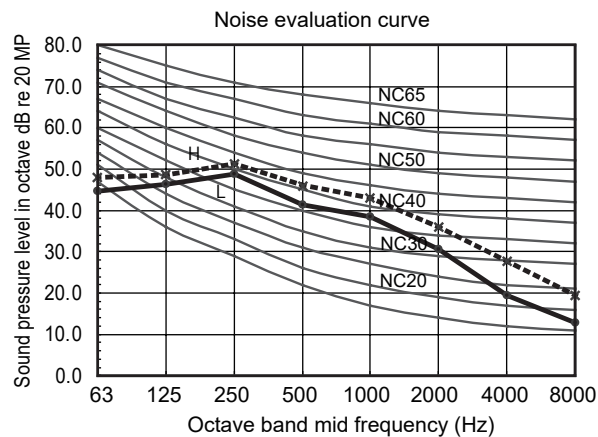
MDHX056D1H
MDHX063D1H



MDHX071D1H
MDHX080D1H



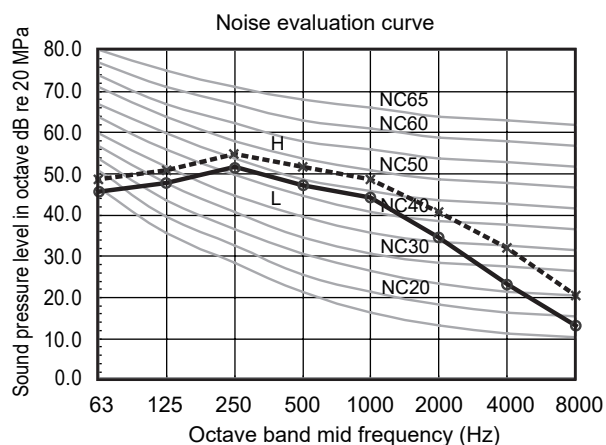
MDHX090D1H
MDHX100D1H
MDHX112D1H



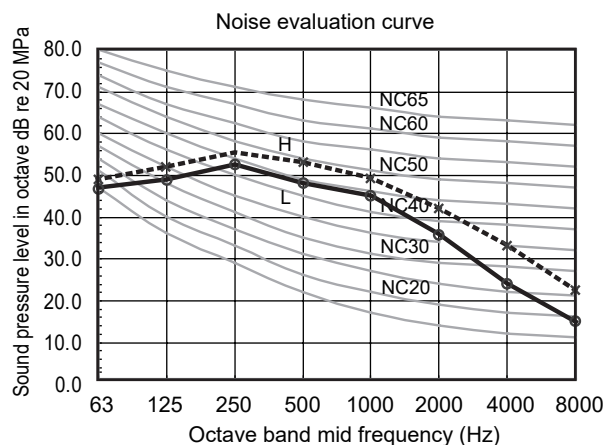
MDHX125D1H
MDHX140D1H
MDHX160D1H

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NOISE CURVES



MDHX224D1H



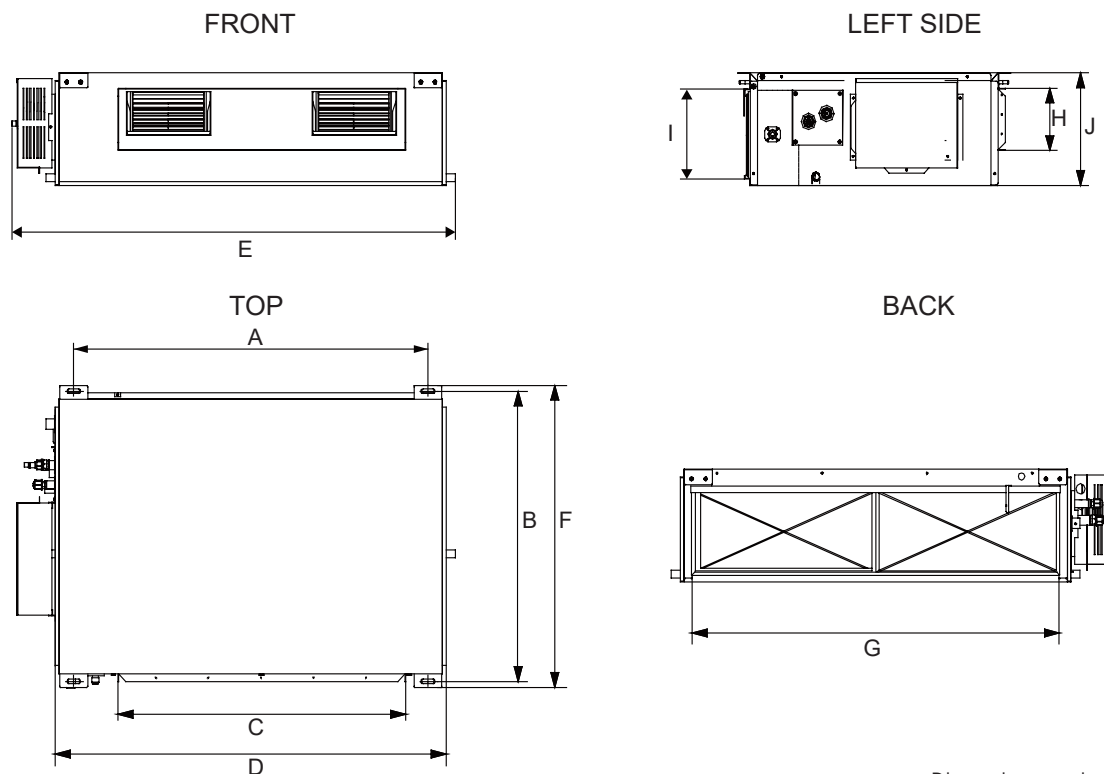
MDHX280D1H

Note:

1. The noise level is measured in a semi-anechoic room. It will be slightly higher due to change of the environment during actual operation.
2. The noise level is measured under the standard test condition.

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DIMENSIONS - INDOOR UNIT



Dimensions are in mm

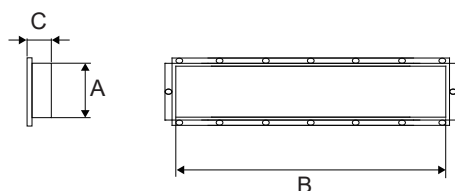
MODEL	A	B	C	D	E	F	G	H	I	J
MDHX056D1H	1101	517	820	1159	1271	558	1002	160	235	268
MDHX063D1H	1101	517	820	1159	1271	558	1002	160	235	268
MDHX071D1H	1101	517	820	1159	1271	558	1002	160	235	268
MDHX080D1H	1101	517	820	1159	1271	558	1002	160	235	268
MDHX090D1H	1101	748	820	1115	1229	775	979	160	231	290
MDHX100D1H	1101	748	820	1115	1229	775	979	160	231	290
MDHX112D1H	1101	748	820	1115	1229	775	979	160	231	290
MDHX125D1H	1101	748	820	1115	1229	775	979	160	231	290
MDHX140D1H	1101	748	820	1115	1229	775	979	160	231	290
MDHX160D1H	1177	646	852	1150	1340	750	953	190	316	350
MDHX224D1H	1353	632	992	-	-	-	1150	192	327	-
MDHX280D1H	1563	706	992	-	-	-	1350	192	402	-

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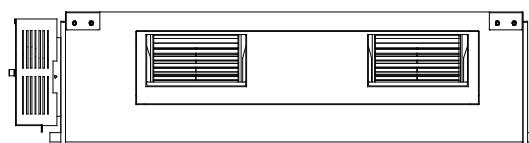
DUCT CONNECTIONS

SUPPLY AIR OUTLET

FLANGE

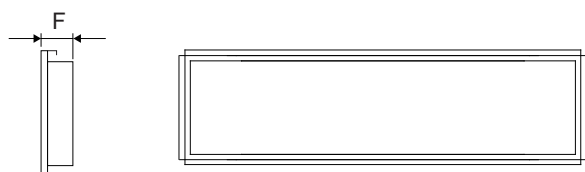


FRONT

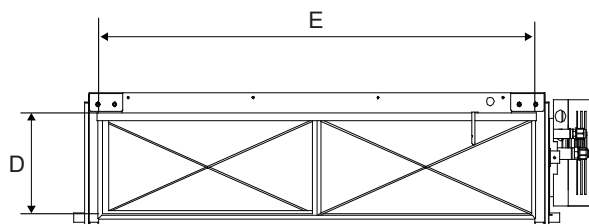


RETURN AIR OUTLET

FLANGE



BACK



Dimensions are in mm

MODEL	SUPPLY AIR OUTLET			RETURN AIR OUTLET		
	A	B	C	D	E	F
MDHX056D1H	158	818	21	195	994	21
MDHX063D1H	158	818	21	195	994	21
MDHX071D1H	158	818	21	195	994	21
MDHX080D1H	158	818	21	195	994	21
MDHX090D1H	158	818	21	206	1000	21
MDHX100D1H	158	818	21	206	1000	21
MDHX112D1H	158	818	21	206	1000	21
MDHX125D1H	158	818	21	206	1000	21
MDHX140D1H	158	818	21	206	1000	21
MDHX160D1H	190	850	21	286	940	21
MDHX224D1H	192	992	21	327	1150	21
MDHX280D1H	192	992	21	402	1350	21