

TECHNICAL SPECIFICATIONS - VRF - MDHX - LOW PRESSURE DUCT TYPE

2.2kW TO 14.0kW CAPACITY

Large capacity units offers 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 17 sizes.

LOW STATIC PRESSURE TYPE

Especially suitable for rooms of compact structure or small installation space. Providing a comfortable and quiet living environment.

SMART INSTALLER FEATURES

Water height difference up to 1.0m, which can effectively drain out condensing water and save space.

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.

PROTECTION FUNCTION

Water overflow protection, anti-freezing protection, fan motor overload protection, temperature sensor malfunction.

PERFORMANCE SUMMARY

Indoor Unit	Airflow l/s (m³/h)	Cooling Capacity	Heating Capacity	Indoor Unit	Airflow l/s (m³/h)	Cooling Capacity	Heating Capacity
MDHX022D1L	125 (450)	2.2	2.5	MDHX063D1L	280 (1000)	6.3	7.1
MDHX025D1L	125 (450)	2.5	2.8	MDHX071D1L	280 (1000)	7.1	8.0
MDHX028D1L	125 (450)	2.8	3.2	MDHX080D1L	305 (1100)	8.0	9.0
MDHX032D1L	155 (550)	3.2	3.6	MDHX090D1L	415 (1500)	9.0	10.0
MDHX036D1L	155 (550)	3.6	4.0	MDHX100D1L	415 (1500)	10.0	11.2
MDHX040D1L	195 (700)	4.0	4.5	MDHX112D1L	470 (1700)	11.2	12.5
MDHX045D1L	195 (700)	4.5	5.0	MDHX125D1L	555 (2000)	12.5	14.0
MDHX050D1L	195 (700)	5.0	5.6	MDHX140D1L	555 (2000)	14.0	16.0
MDHX056D1L	280 (1000)	5.6	6.3	-	-	-	-

MODBUS GATEWAY

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

CONDENSATE PUMP

The condensate pump and safety float switch are standard in the Braemar Ducted Air Conditioning System. The safety float switch will turn off the system in the event of a problem with either the pump or the drain line to prevent water damage.

SMART INSTALLER FEATURES

Water height difference up to 1.0m, which can effectively drain out condensing water and save space.

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.

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TECHNICAL SPECIFICATIONS

Braemar Part Number		MDHX022D1L	MDHX025D1L	MDHX028D1L	MDHX032D1L
Power Supply	V / Ph / Hz	220-240 / 1 / 50			
Cooling Capacity	kW	2.2	2.5	2.8	3.2
Heating Capacity	kW	2.5	2.8	3.2	3.6
Power Consumption	W	35	35	35	43
Current (Max)	A	0.2	0.2	0.2	0.2
Air flow	(H/M/L) m³/h	450/350/250	450/350/250	450/350/250	550/450/350
ESP	Pa	15 / 0 ~ 30			
Sound Pressure Level	(H/M/L) dB(A)	31/28/25	31/28/25	31/28/25	32/30/27
Connection Pipe	Liquid (mm)	Ø6.35			Ø6.35
	Gas (mm)	Ø9.52			Ø12.7
Drain Pipe	Dia / Thick (mm)	Ø25 x 2.5			Ø25 x 2.5
Built In Drain Pump		Yes			Yes
Dimensions W x D x H	Outline (mm)	700 x 615 x 200	700 x 615 x 200	700 x 615 x 200	700 x 615 x 200
	Packaged (mm)	893 x 743 x 305	893 x 743 x 305	893 x 743 x 305	893 x 743 x 305
Weight (Net / Gross)	kg	22 / 27	22 / 27	22 / 27	22 / 28

Braemar Part Number		MDHX036D1L	MDHX040D1L	MDHX045D1L	MDHX050D1L
Power Supply	V / Ph / Hz	220-240 / 1 / 50			
Cooling Capacity	kW	3.6	4.0	4.5	5.0
Heating Capacity	kW	4.0	4.5	5.0	5.6
Indoor Power (Rated)	W	43	52	52	52
Current (Max)	A	0.2	0.3	0.3	0.3
Air flow	(H/M/L) m³/h	550/450/350	700/600/450	700/600/450	700/600/450
ESP	Pa	15 / 0 ~ 30			
Sound Pressure Level	(H/M/L) dB(A)	32/30/27	33/31/28	33/31/28	33/31/28
Connection Pipe	Liquid (mm)	Ø6.35			
	Gas (mm)	Ø12.7			
Drain Pipe	Dia / Thick (mm)	Ø25 x 2.5			
Built In Drain Pump		Yes			
Dimensions W x D x H	Outline (mm)	700 x 615 x 200	900 x 615 x 200	900 x 615 x 200	900 x 615 x 200
	Packaged (mm)	893 x 743 x 305	1123 x 743 x 305	1123 x 743 x 305	1123 x 743 x 305
Weight (Net / Gross)	kg	22 / 28	27 / 33	27 / 33	27 / 33

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TECHNICAL SPECIFICATIONS

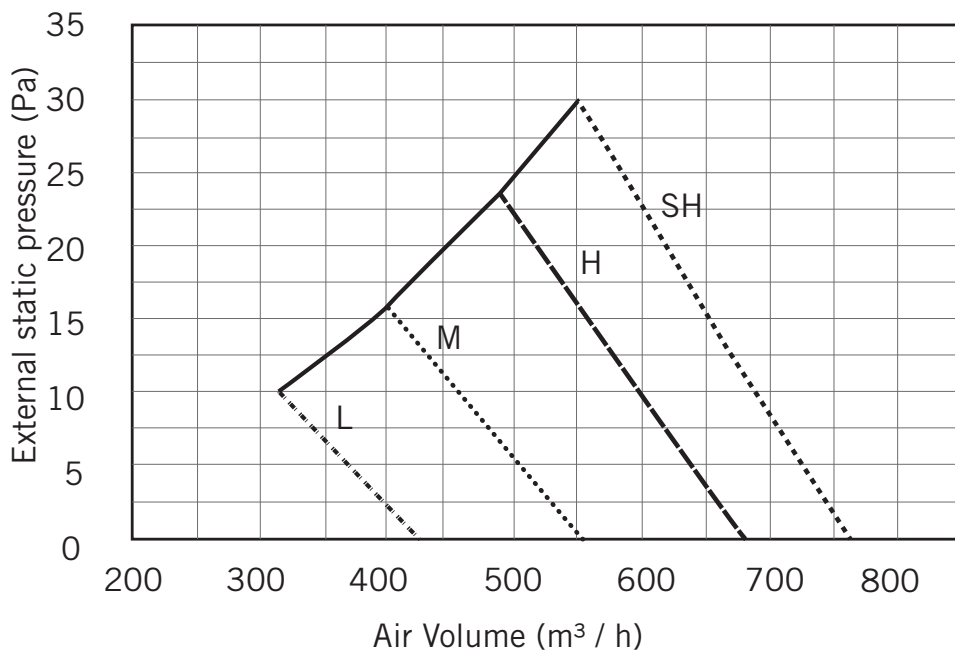
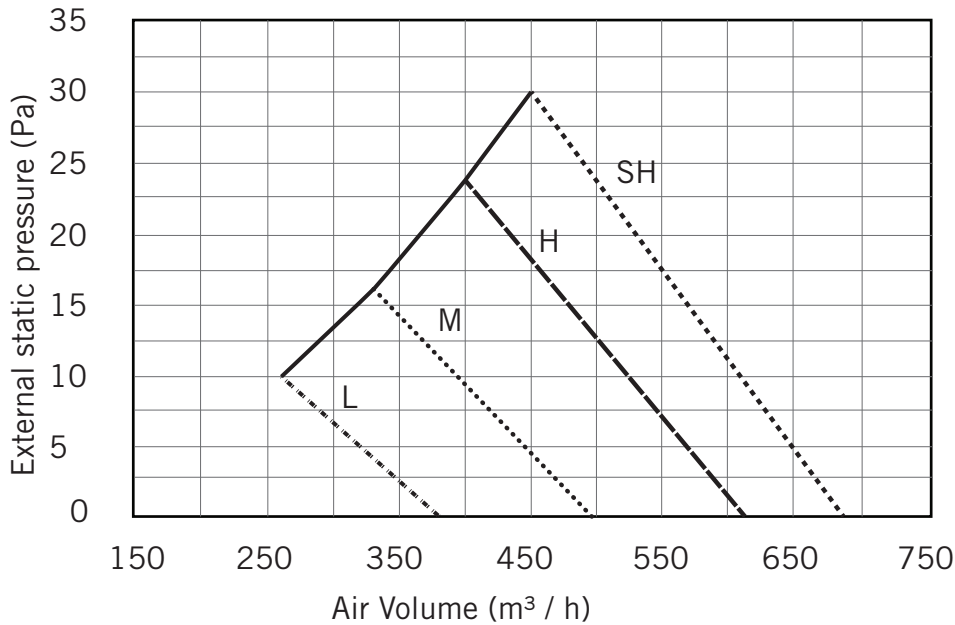
Braemar Part Number		MDHX056D1L	MDHX063D1L	MDHX071D1L	MDHX080D1L
Power Supply	V / Ph / Hz	220-240 / 1 / 50			
Cooling Capacity	kW	5.6	6.3	7.1	8.0
Heating Capacity	kW	6.3	7.1	8.0	9.0
Power Consumption	W	99	99	105	140
Current (Max)	A	0.5	0.5	0.5	0.7
Air flow	(H/M/L) m ³ /h	1000/800/600	1000/800/600	1000/800/600	1100/1000/800
ESP	Pa	15 / 0 ~ 30	15 / 0 ~ 30	30 / 0 ~ 50	30 / 0 ~ 50
Sound Pressure Level	(H/M/L) dB(A)	35/33/30	33/31/28	35/33/30	36/34/31
Connection Pipe	Liquid (mm)	Ø9.52	Ø9.52	Ø9.52	Ø9.52
	Gas (mm)	Ø15.9	Ø15.9	Ø15.9	Ø15.9
Drain Pipe	Dia / Thick (mm)	Ø25 x 2.5			
Built In Drain Pump		Yes			
Dimensions W x D x H	Outline (mm)	1100 x 615 x 200		1200 x 655 x 260	
	Packaged (mm)	1323 x 743 x 305		1448 x 858 x 315	
Weight (Net / Gross)	kg	31 / 38		40 / 47	

Braemar Part Number		MDHX-090D1L	MDHX-100D1L	MDHX-112D1L	MDHX-125D1L	MDHX-140D1L
Power Supply	V / Ph / Hz	220-240 / 1 / 50				
Cooling Capacity	kW	9.0	10.0	11.2	12.5	14.0
Heating Capacity	kW	10.0	11.2	12.5	14.0	16.0
Power Consumption	W	209	209	209	230	230
Current (Max)	A	1.0	1.0	1.0	1.1	1.1
Air flow	(H/M/L) m ³ /h	1500/1250 /950	1500/1350 /1000	1700/1500 /1100	2000/1500 /1150	2000/1500 /1150
ESP	Pa	30 / 0 ~ 50				
Sound Pressure Level	(H/M/L) dB(A)	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
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 W x D x H	Outline (mm)	1340 x 655 x 260				
	Packaged (mm)	1591 x 861 x 330				
Weight (Net / Gross)	kg	46 / 55			47 / 56	



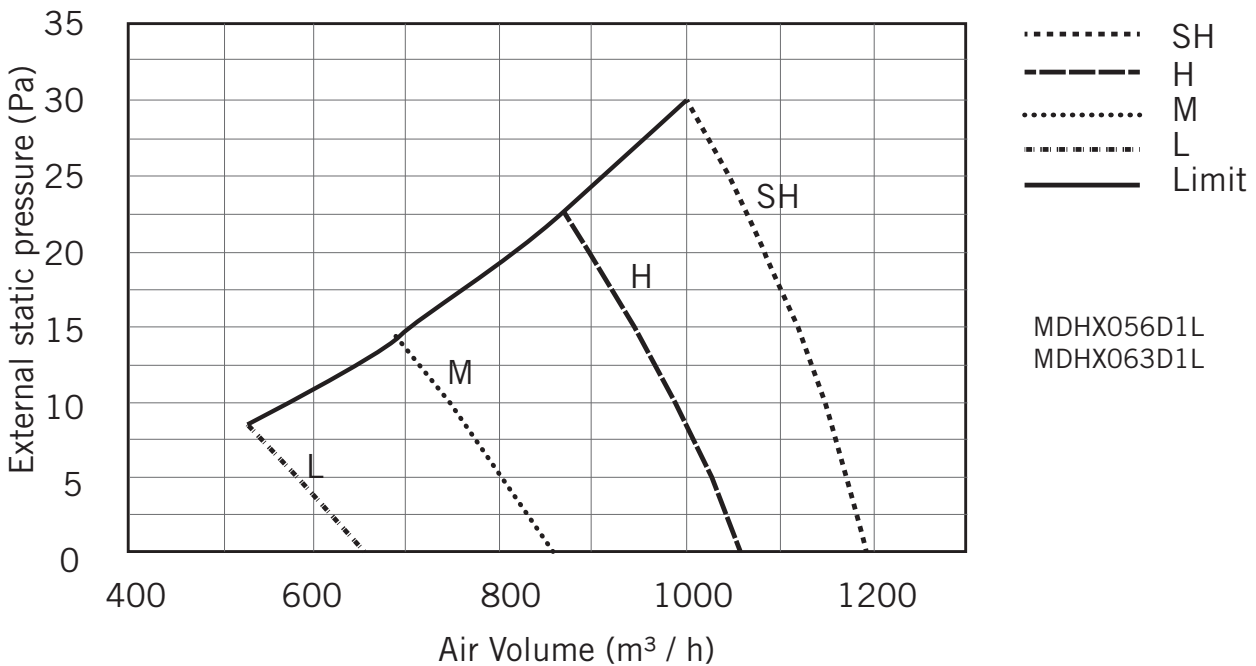
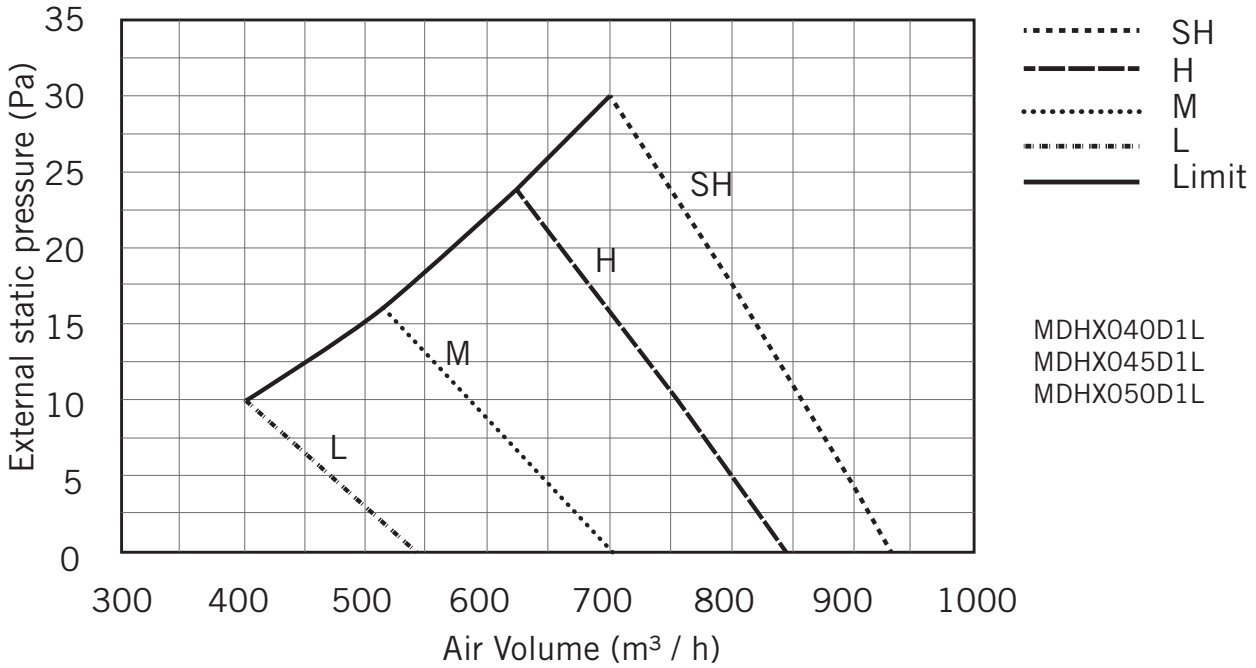
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FAN CHARACTERISTIC CURVE



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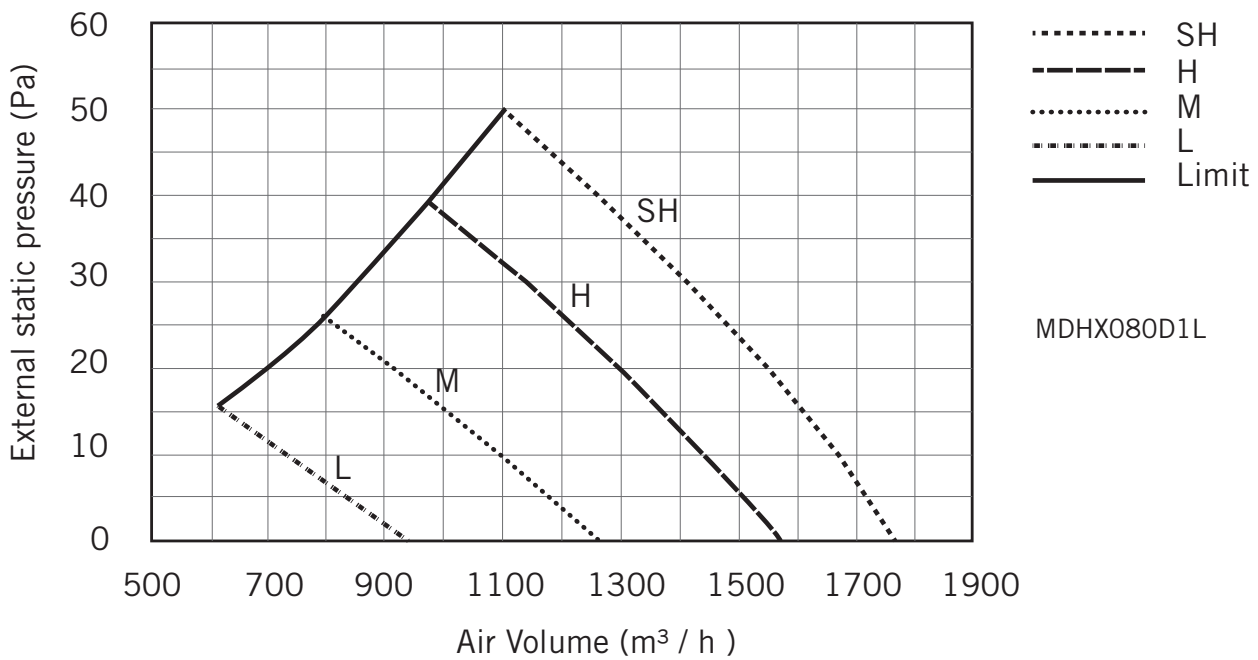
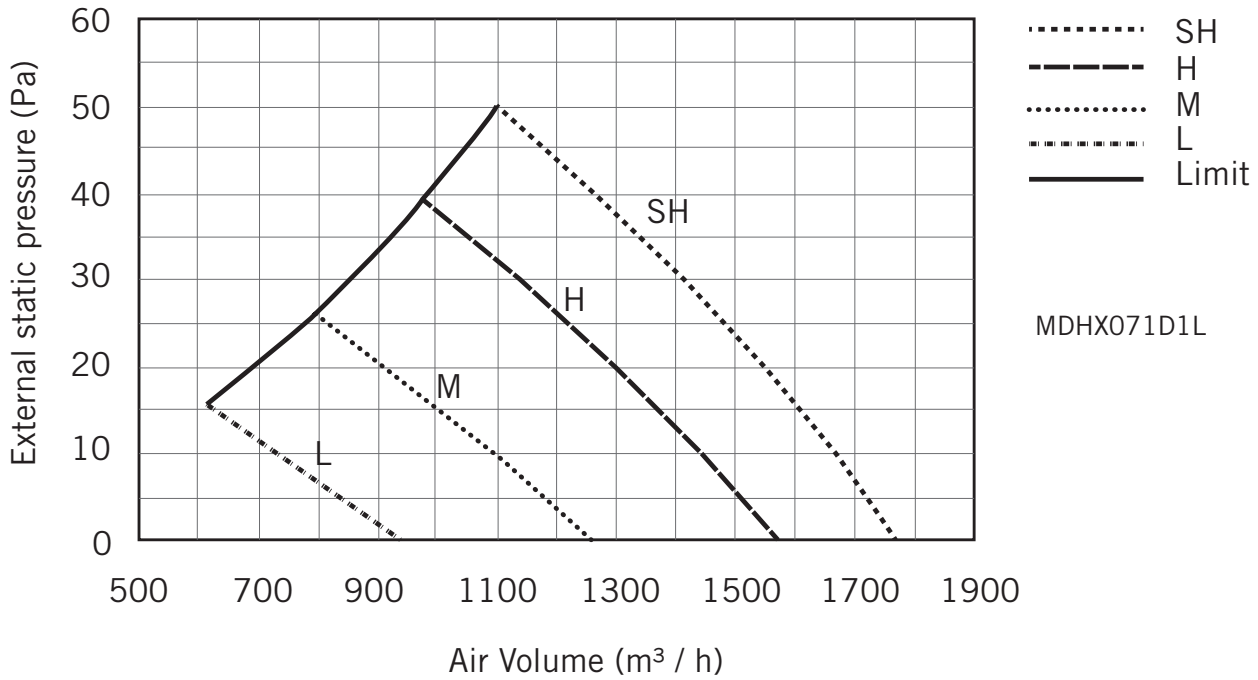
FAN CHARACTERISTIC CURVE





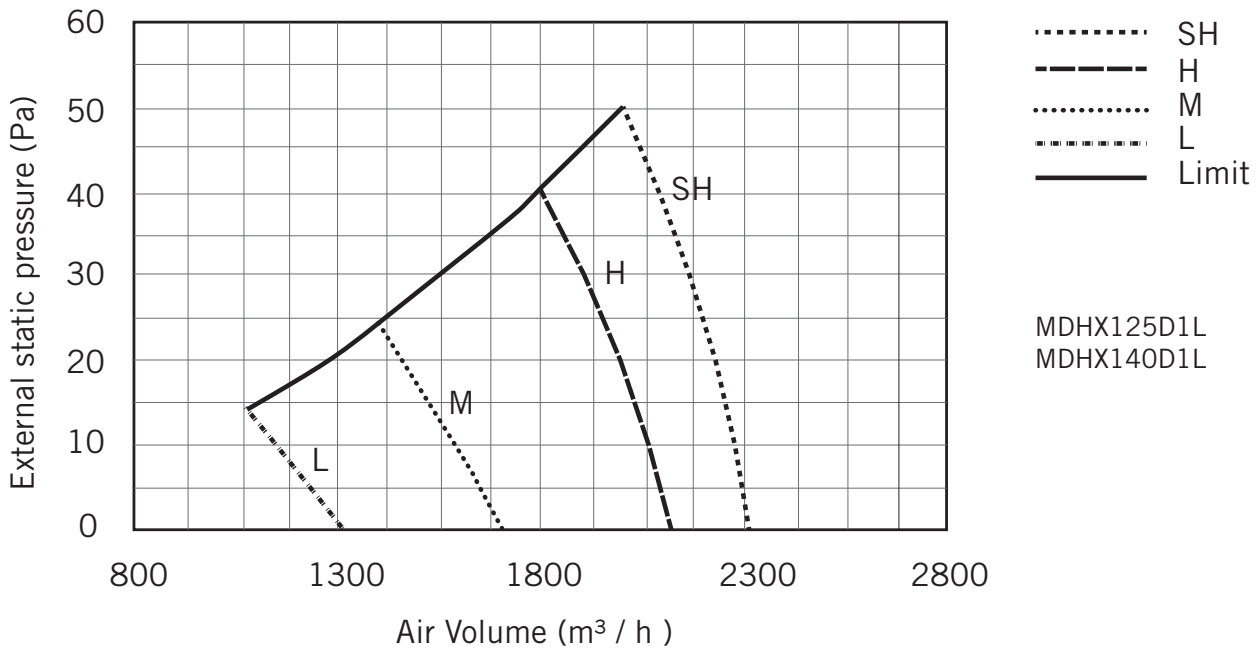
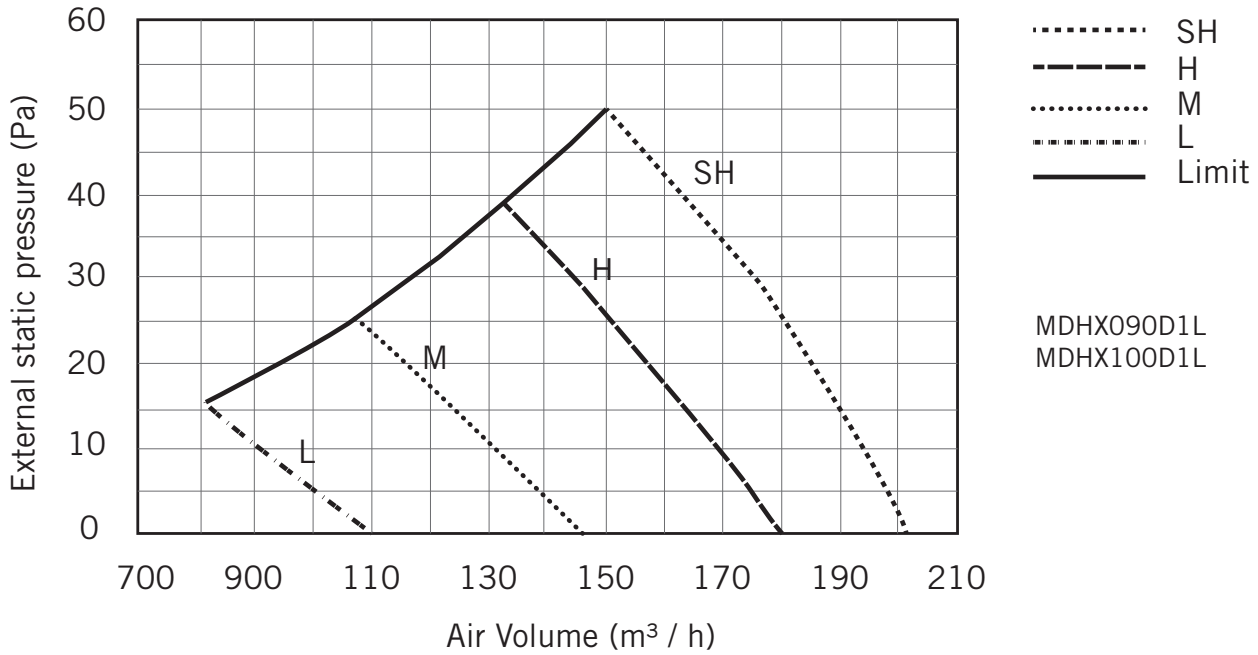
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FAN CHARACTERISTIC CURVE



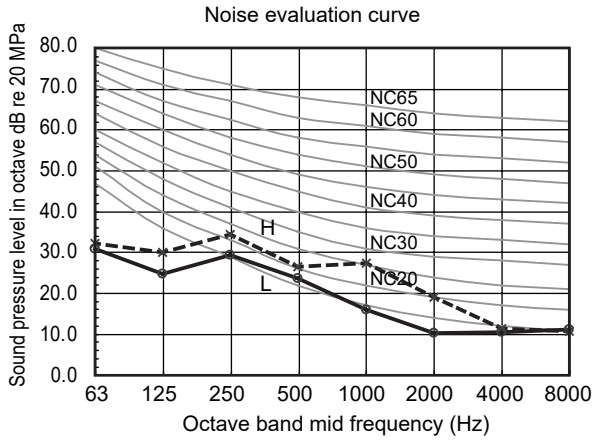
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FAN CHARACTERISTIC CURVE

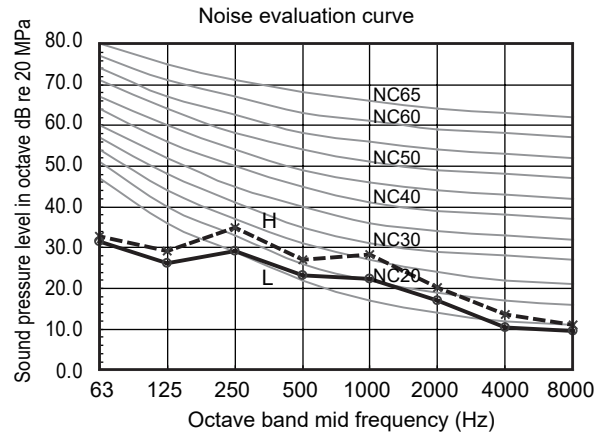


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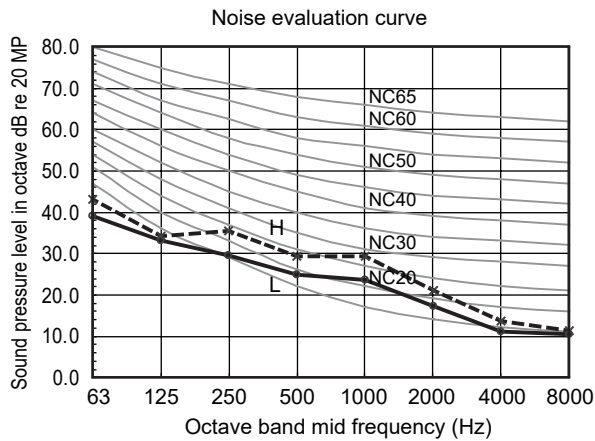
NOISE CURVES



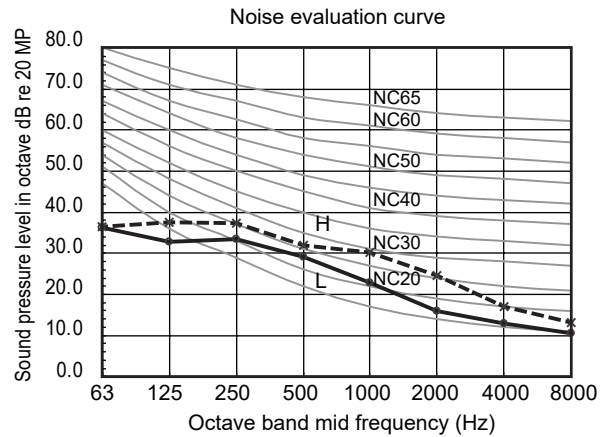
MDHX022D1L
MDHX025D1L
MDHX028D1L



MDHX032D1L
MDHX036D1L



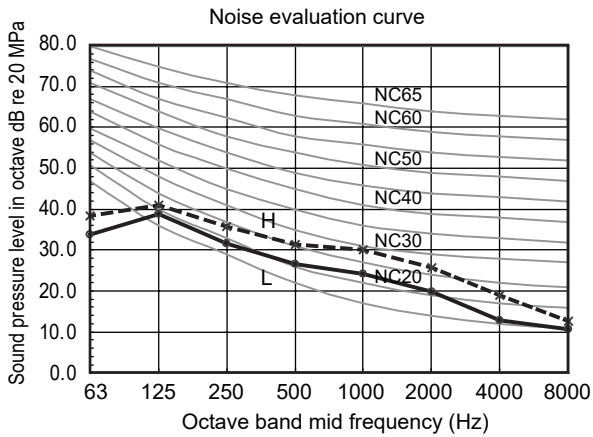
MDHX040D1L
MDHX045D1L
MDHX050D1L



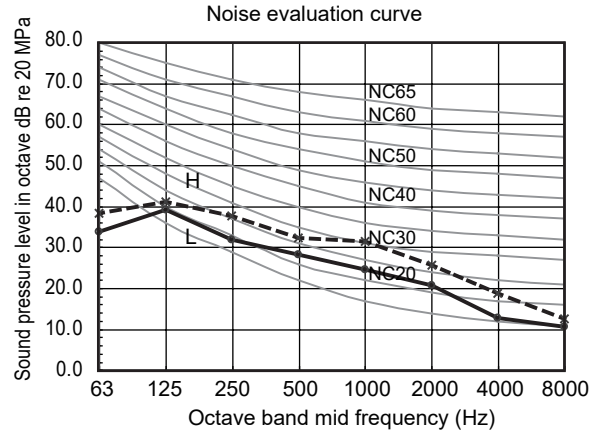
MDHX056D1L
MDHX063D1L

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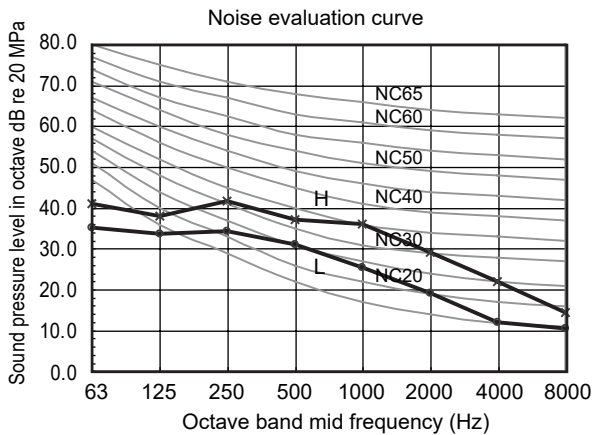
NOISE CURVES



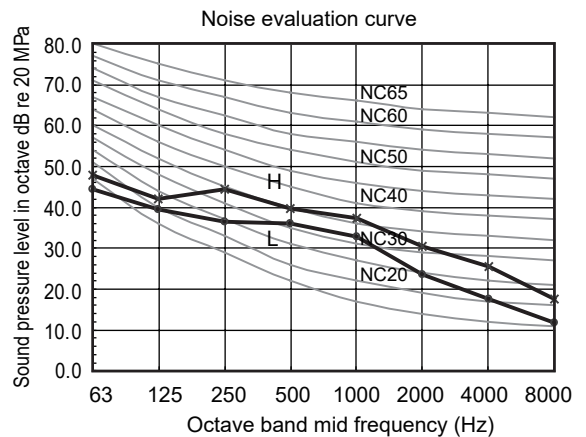
MDHX071D1L



MDHX080D1L



MDHX090D1L
MDHX100D1L
MDHX112D1L



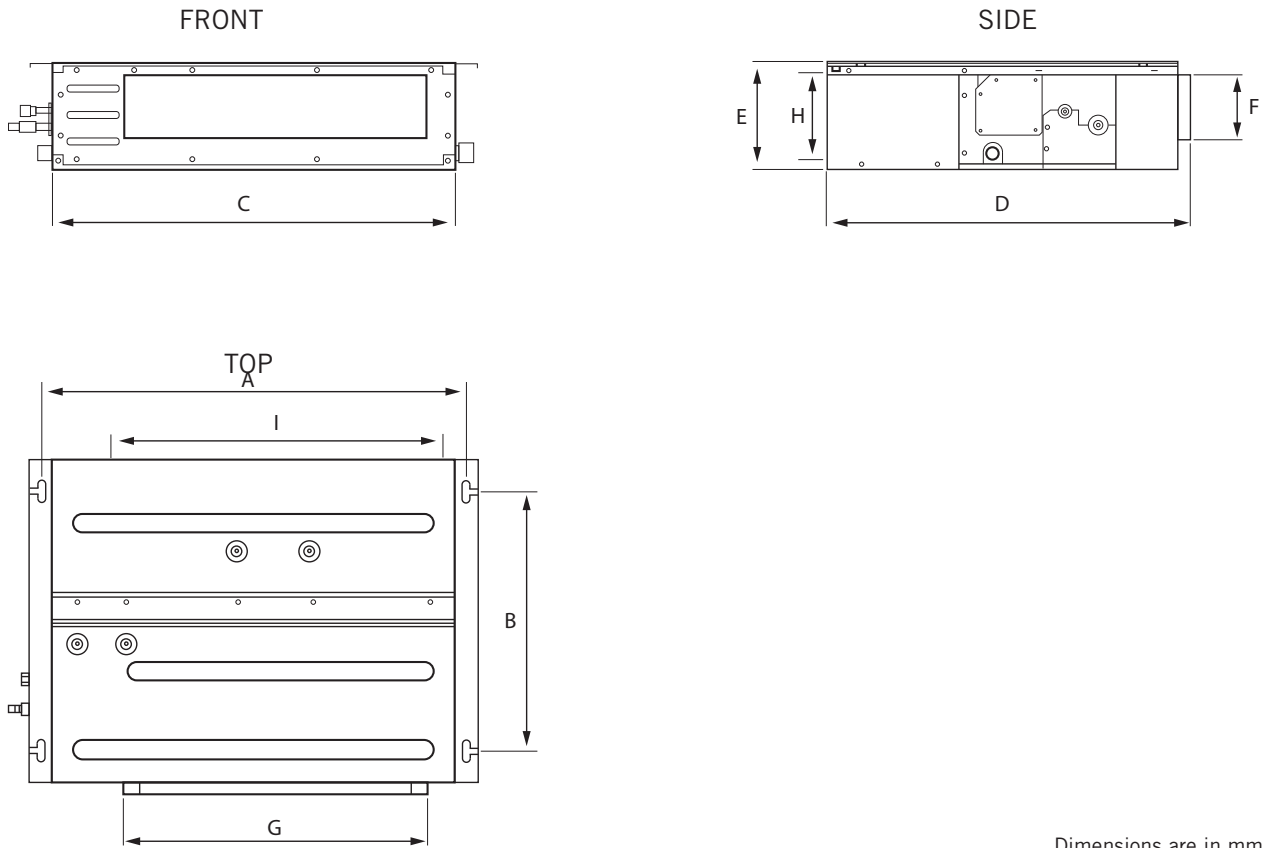
MDHX125D1L
MDHX140D1L

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

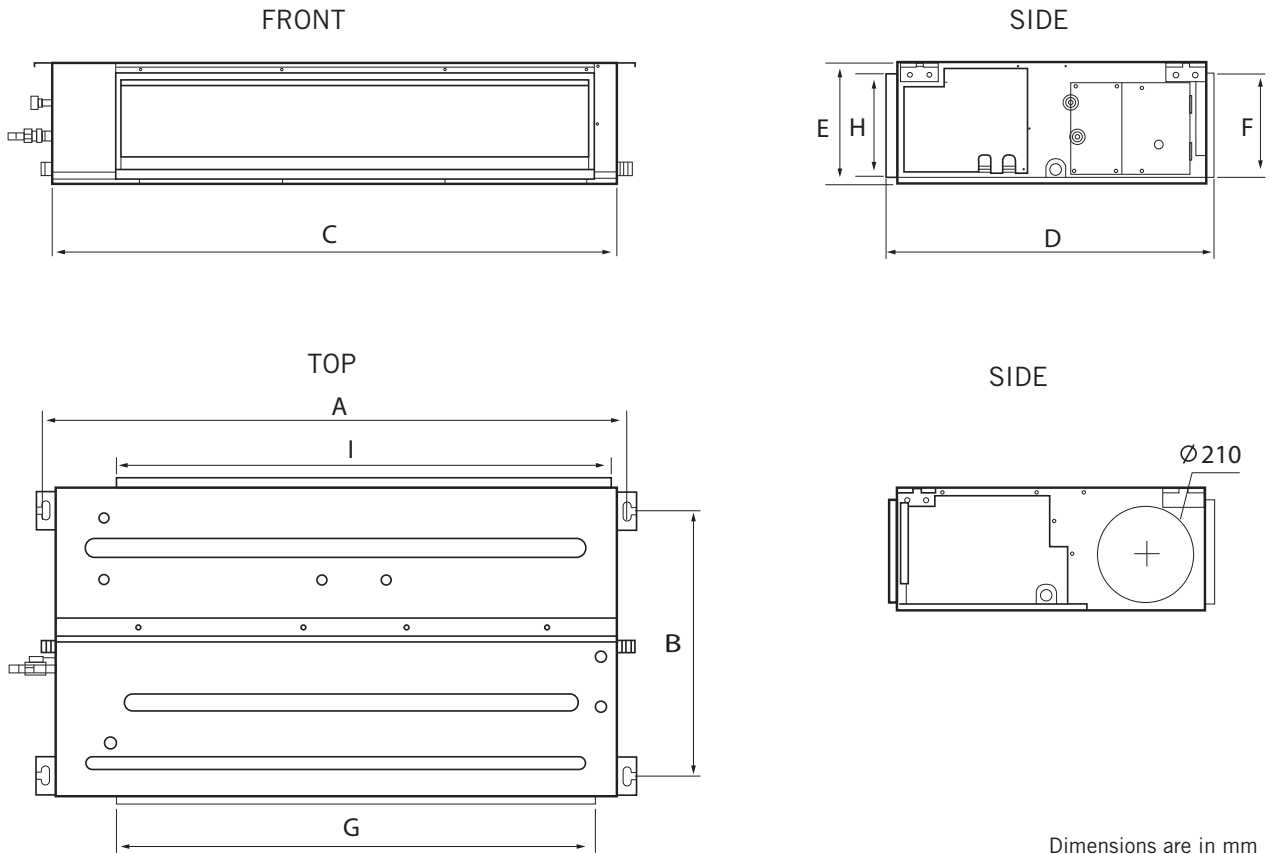


Dimensions are in mm

Model	A	B	C	D	E	F	G	H	I
MDHX022D1L	742	491	700	615	200	121	528	161	580
MDHX025D1L	742	491	700	615	200	121	528	161	580
MDHX028D1L	742	491	700	615	200	121	528	161	580
MDHX032D1L	742	491	700	615	200	121	528	161	580
MDHX036D1L	742	491	700	615	200	121	528	161	580
MDHX040D1L	942	491	900	615	200	121	728	161	780
MDHX045D1L	942	491	900	615	200	121	728	161	780
MDHX050D1L	942	491	900	615	200	121	728	161	780
MDHX056D1L	1142	491	1100	615	200	121	928	161	980
MDHX063D1L	1142	491	1100	615	200	121	928	161	980

TECHNICAL SPECIFICATIONS - VRF - MDHX - LOW PRESSURE DUCT TYPE

DIMENSIONS - INDOOR UNIT



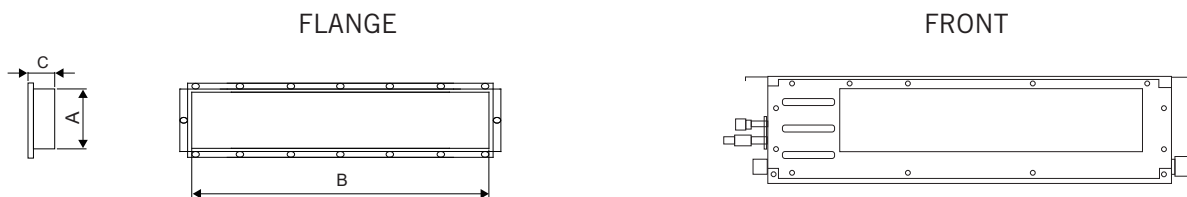
Dimensions are in mm

Model	A	B	C	D	E	F	G	H	I
MDHX071D1L	1236	565	1200	695	260	222	1016	220	1050
MDHX080D1L	1236	565	1200	695	260	222	1016	220	1050
MDHX090D1L	1379	565	1340	716	260	207	1153	220	1188
MDHX100D1L	1379	565	1340	716	260	207	1153	220	1188
MDHX112D1L	1379	565	1340	716	260	207	1153	220	1188
MDHX125D1L	1379	565	1340	716	260	207	1153	220	1188
MDHX140D1L	1379	565	1340	716	260	207	1153	220	1188

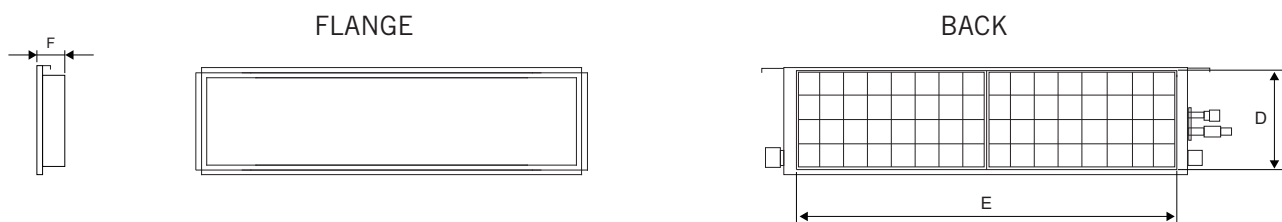
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DUCT CONNECTIONS

SUPPLY AIR OUTLET



RETURN AIR OUTLET



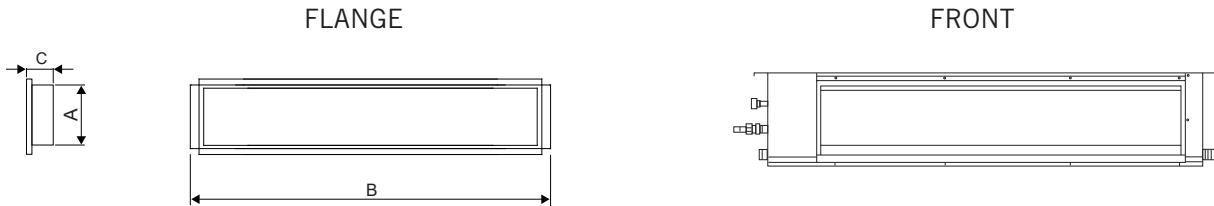
Dimensions are in mm

MODEL	SUPPLY AIR OUTLET			RETURN AIR OUTLET		
	A	B	C	D	E	F
MDHX022D1L	121	528	22	161	580	22
MDHX025D1L	121	528	22	161	580	22
MDHX028D1L	121	528	22	161	580	22
MDHX032D1L	121	528	22	161	580	22
MDHX036D1L	121	528	22	161	580	22
MDHX040D1L	121	728	22	161	780	22
MDHX045D1L	121	728	22	161	780	22
MDHX050D1L	121	728	22	161	780	22
MDHX056D1L	121	928	22	161	980	22
MDHX063D1L	121	928	22	161	980	22

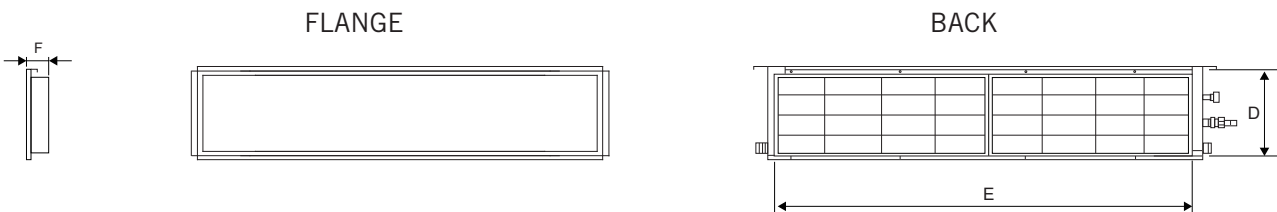
TECHNICAL SPECIFICATIONS - VRF - MDHX - LOW PRESSURE DUCT TYPE

DUCT CONNECTIONS

SUPPLY AIR OUTLET



RETURN AIR OUTLET



Dimensions are in mm

MODEL	SUPPLY AIR OUTLET			RETURN AIR OUTLET		
	A	B	C	D	E	F
MDHX071D1L	222	1016	21	220	1050	21
MDHX080D1L	222	1016	21	220	1050	21
MDHX090D1L	207	1153	40	220	1188	22
MDHX100D1L	207	1153	40	220	1188	22
MDHX112D1L	207	1153	40	220	1188	22
MDHX125D1L	207	1153	40	220	1188	22
MDHX140D1L	207	1153	40	220	1188	22