High Static Ducted type

MMD-AP0726HP-UL

MMD-AP0966HP-UL



Contents

1. Specifications
2. Dimensions
3. Center of gravity
4. Piping diagram
5. Wiring diagram
6. Electrical current characteristics
7. Sensible capacity table
8. Fan characteristics
9. Sound data

1. Specifications



High static ducted type

Model name			MMD-	AP0966HP-UL	AP0966HP-UL
Cooling Capacity			kBtu/h	72	96
Heating Capacity			kBtu/h	81	108
Electrical characteristics	Power supply			230 V (208 / 230 V) 1phase 60 Hz	
	Power consumption (208 / 230 V)		kW	0.54 / 0.54	0.79 / 0.79
Appearance				Zinc hot dipping steel plate	
Dimension	Unit	Height	In	17.6	
		Width	In	55.1	
		Depth	In	35.4	
	Packing	Height	In	21.2	
		Width	In	69.2	
		Depth	In	40.8	
Total weight	Unit		lbs	218	
	Packed unit		lbs	265	
Heat exchanger				Finned tube	
Fan unit	Fan			Centrifugal fan	
	Standard air flow (Mid. / Low)		cfm	2236 (1883 / 1471)	2825 (2471 / 2059)
	Motor		W	1000	
	External static pressure (*1)	Factory default	In WG	0.603	
		External static pressure range	In WG	0.201 - 0.334 - 0.470 - <0.603> - 0.735 - 0.872 - 1.005 (7 steps)	
Air filter				Field supply	
Connecting pipe	Gas side		In	7/8”	
	Liquid side		In	1/2”	
	Drain port (Nominal dia.)		In	VP25 (Polyvinyl choride tube: External Dia. 1-1/4 Internal Dia.1)	
Sound pressure level (*2)	High tap/ Mid tap / Low tap		db(A)	44 / 40 / 36	46 / 42 / 38

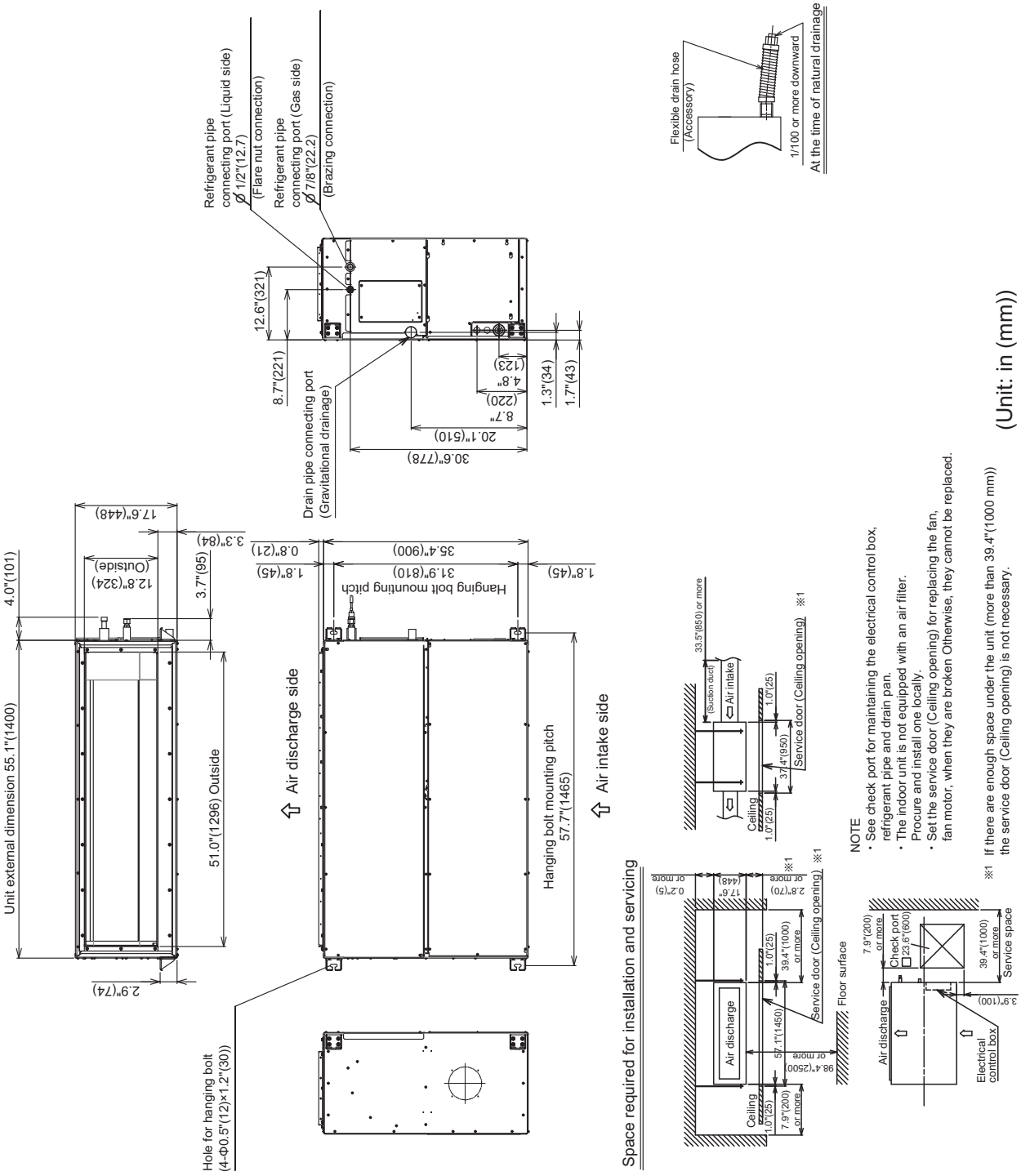
Note 1: The cooling capacities and electrical characteristics are measured under the conditions specified by JIS B 8615 based on the reference piping.
The reference piping consists of 5 m of main piping and 2.5 m of branch piping connected with 0 meter height.

Note 2: The sound level are measured in an anechoic chamber in accordance with JIS B 8616.
Normally, the values measured in the actual operating environment become larger than the indicated valves due to the effects of external sound.

Note: Rated conditions Cooling: Indoor air temperature 80°F DB / 67°F WB, Outdoor air temperature 95°F DB
Heating: Indoor air temperature 70°F DB, Outdoor air temperature 47°F DB / 43°F WB

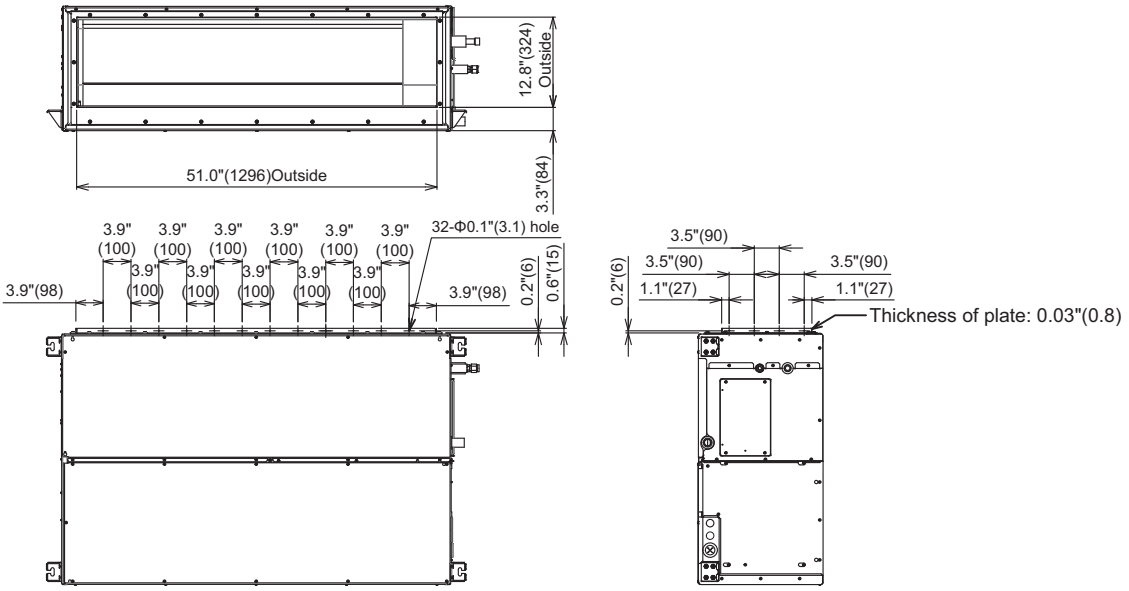
2. Dimensions

MMD-AP0726HP-UL, AP0966HP-UL

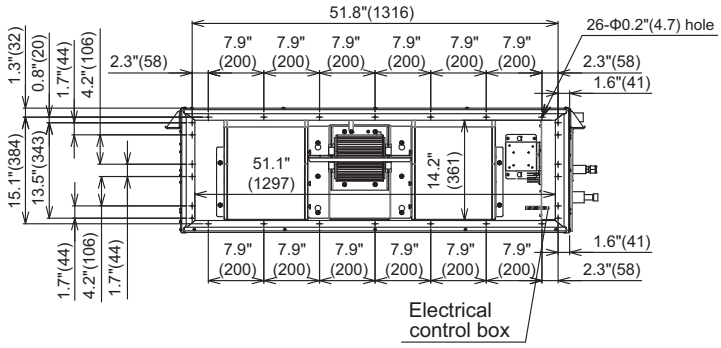


Duct arrangement

<Air discharge>



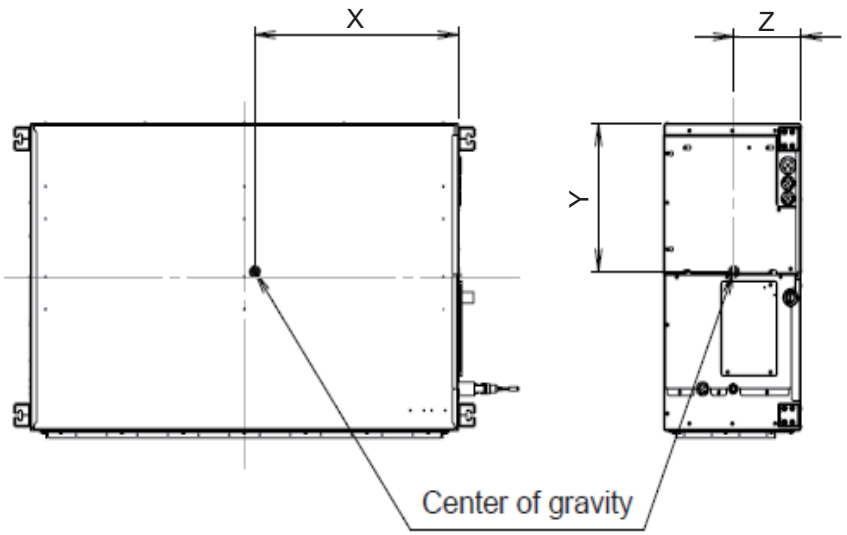
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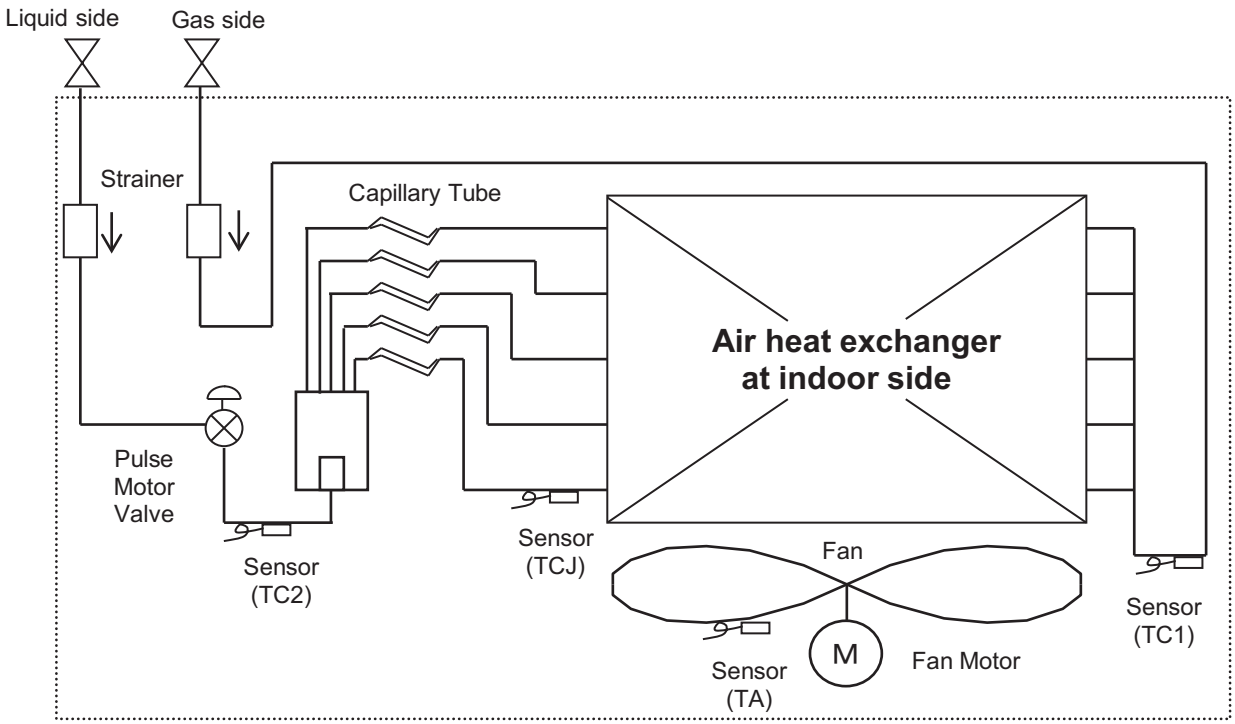
(Unit: in (mm))

3. Center of gravity

Model name	X (In)	Y (In)	Z (In)	Total weight (lbs)
MMD-AP0726HP-UL	26.2"	17.1"	8.7"	218
MMD-AP0966HP-UL				

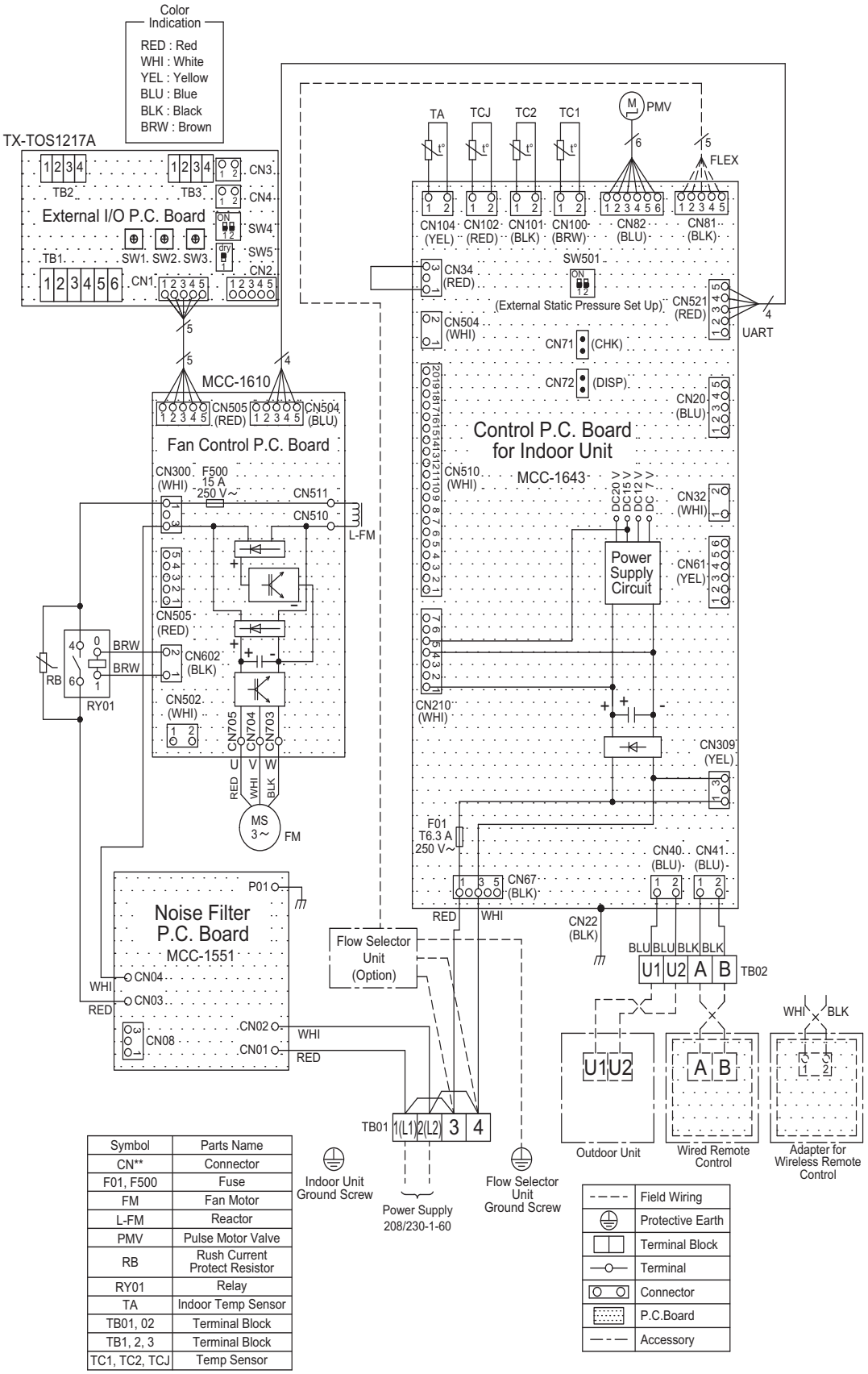


4. Piping diagram



5. Wiring diagram

MMD-AP0726HP-UL, MMD-AP0966HP-UL



Symbol	Parts Name
CN**	Connector
F01, F500	Fuse
FM	Fan Motor
L-FM	Reactor
PMV	Pulse Motor Valve
RB	Rush Current Protect Resistor
RY01	Relay
TA	Indoor Temp Sensor
TB01, 02	Terminal Block
TB1, 2, 3	Terminal Block
TC1, TC2, TCJ	Temp Sensor

----	Field Wiring
⏚	Protective Earth
▭	Terminal Block
—o—	Terminal
ooo	Connector
▭	P.C.Board
— —	Accessory

6. Electrical current characteristics

Type	Model	Nominal Voltage (V-Ph-Hz)	Voltage Range (V)		Power consumption	FLA	MCA	MOCP
			Min	Max	kW	A	A	A
High Static Ducted type	MMD-AP0726HP-UL	208/230-1-60	187	253	0.54 / 0.54	4.6	5.7	15
	MMD-AP0966HP-UL	208/230-1-60	187	253	0.79 / 0.79	5.9	7.4	15

MCA: Minimum Circuit Amps FLA: Full Load Amps
MOCP: Maximum Overcurrent Protection (Amps)

7. Sensible capacity table

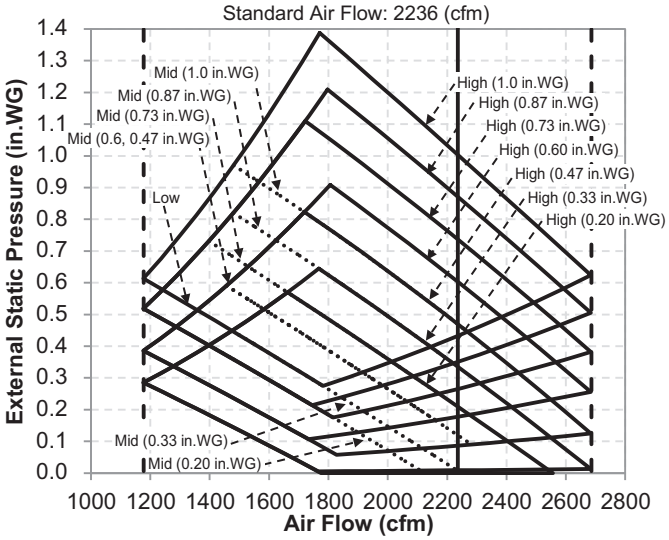
High Static Ducted type (MMD-AP***6HP-UL)

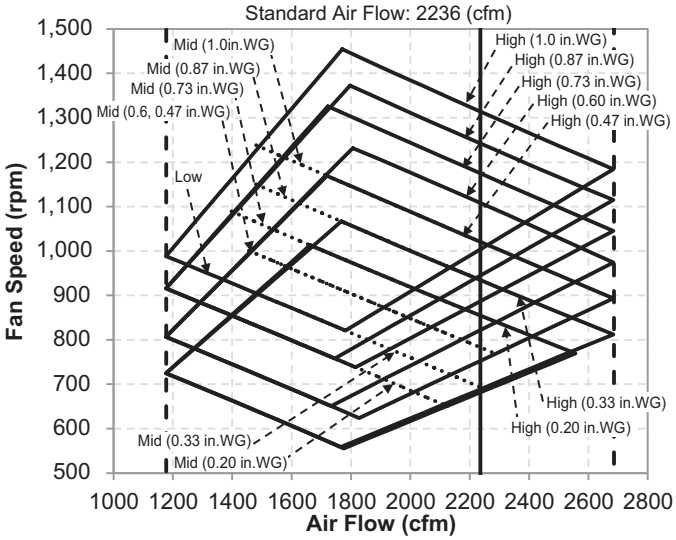
TC: Total capacity [Btu/h] SHC: Sensible capacity [Btu/h]

unit size	outdoor air temp. °FDB	indoor air temp.													
		59°FWB		61°FWB		64°FWB		67°FWB		68°FWB		72°FWB		75°FWB	
		71°FDB		73°FDB		77°FDB		80°FDB		82°FDB		86°FDB		90°FDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
072	50	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	54	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	57	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	64	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	64	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	68	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	70	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	73	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	77	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	81	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	84	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	88	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	91	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	95	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	59490	82080	58110
	99	57400	51700	63480	55060	67820	58480	69910	58310	72010	58300	76200	57770	79700	56430
	102	56040	50480	61980	53760	66210	57100	68260	56930	70300	56920	74400	56400	77810	55100
096	50	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	54	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	57	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
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	70	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
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	91	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	95	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	99	76530	69430	84640	73940	90420	78540	93220	78300	96010	78300	101610	77580	106270	75780
	102	74720	67780	82640	72190	88280	76680	91010	76450	93740	76440	99200	75740	103750	73990

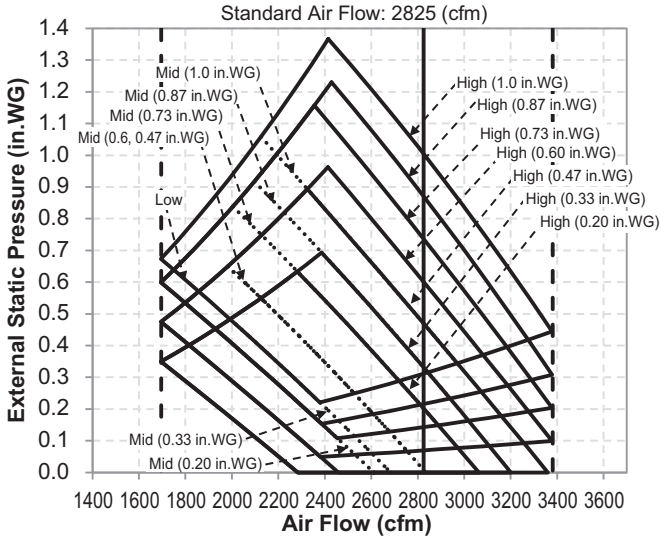
8. Fan characteristics

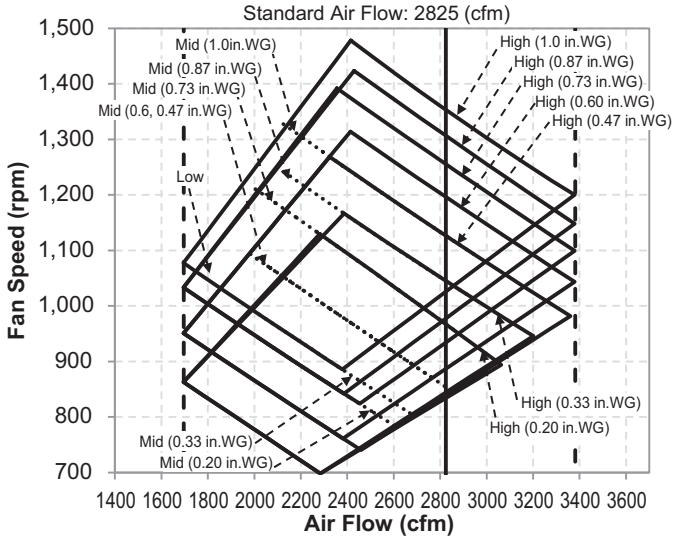
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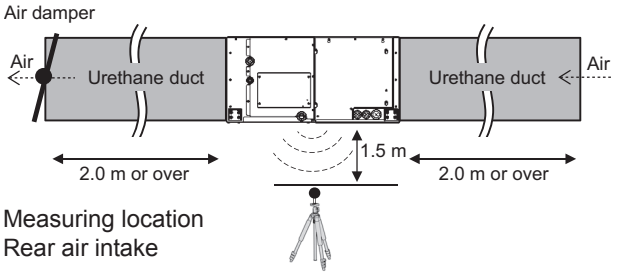
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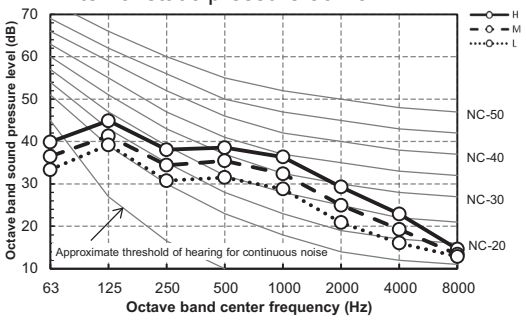
9. Sound data

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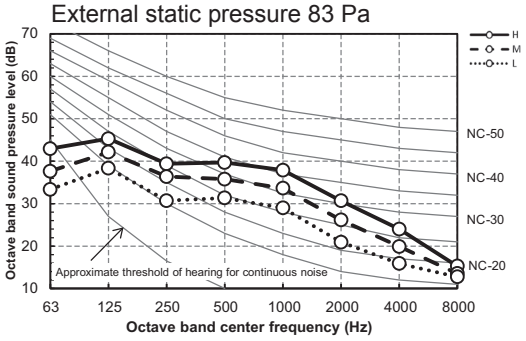


ESP (in.WG)	Sound Pressure Level (dBA)		
	H	M	L
0.20	42.5	38.5	34.5
0.33	43.0	39.0	35.0
0.47	43.5	39.5	35.5
0.60	44.0	40.0	36.0
0.74	45.0	41.0	37.0
0.87	46.0	42.0	38.0
1.00	47.0	43.0	39.0

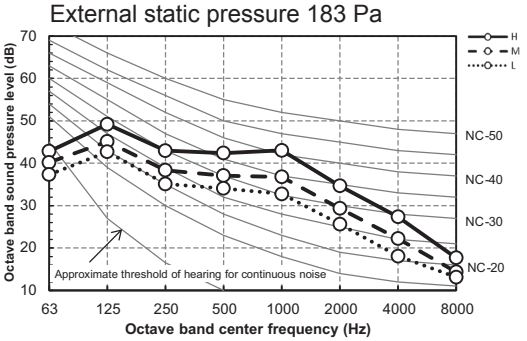
External static pressure 50 Pa



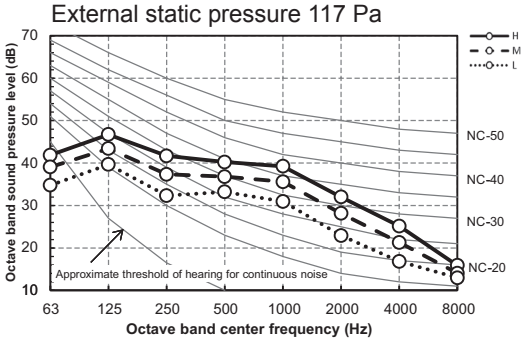
External static pressure 83 Pa



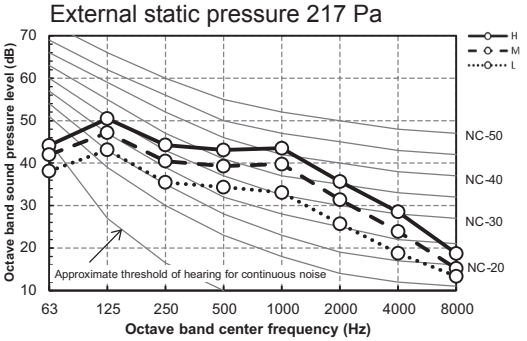
External static pressure 183 Pa



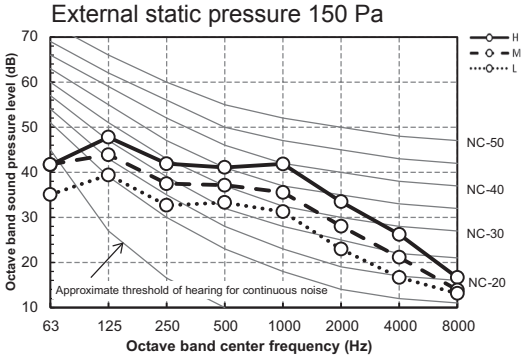
External static pressure 117 Pa



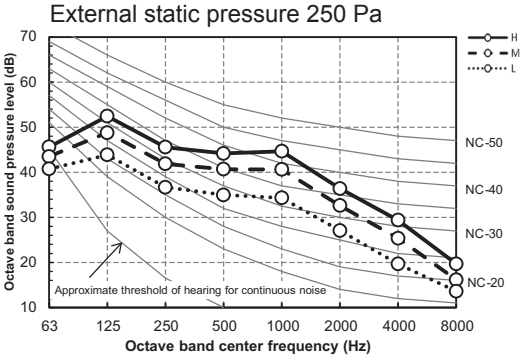
External static pressure 217 Pa



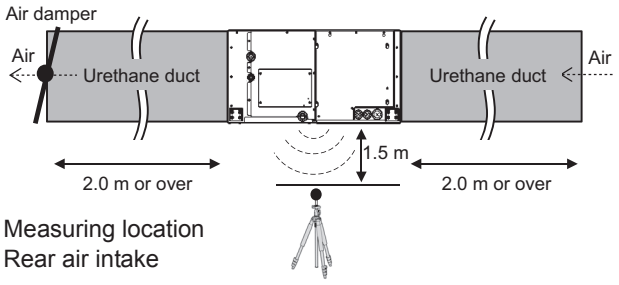
External static pressure 150 Pa



External static pressure 250 Pa

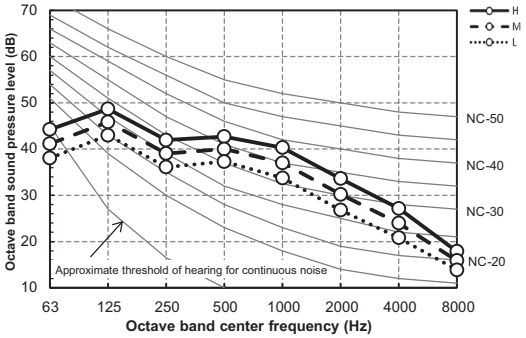


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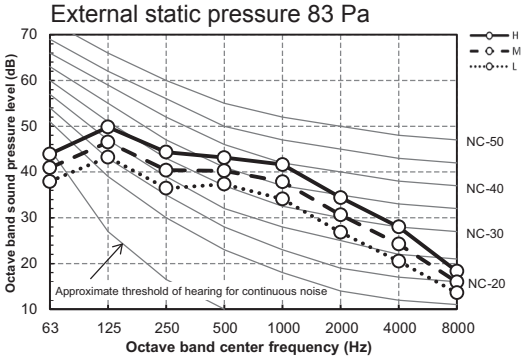


ESP (in.WG)	Sound Pressure Level (dBA)		
	H	M	L
0.20	44.5	40.5	36.5
0.33	45.0	41.0	37.0
0.47	45.5	41.5	37.5
0.60	46.0	42.0	38.0
0.74	47.0	43.0	39.0
0.87	48.0	44.0	40.0
1.00	49.0	45.0	41.0

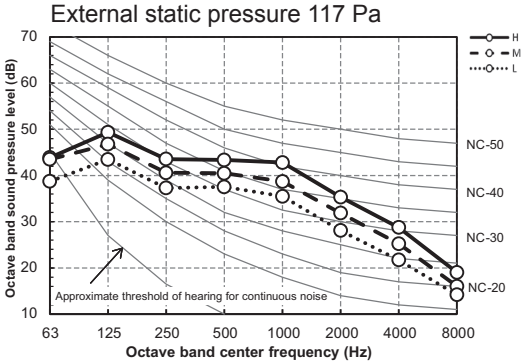
External static pressure 50 Pa



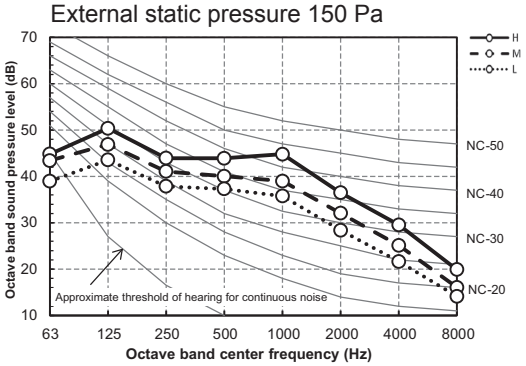
External static pressure 83 Pa



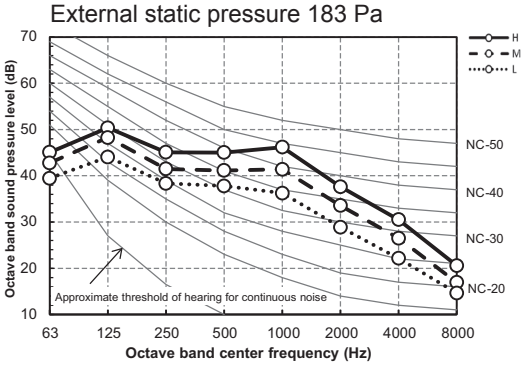
External static pressure 117 Pa



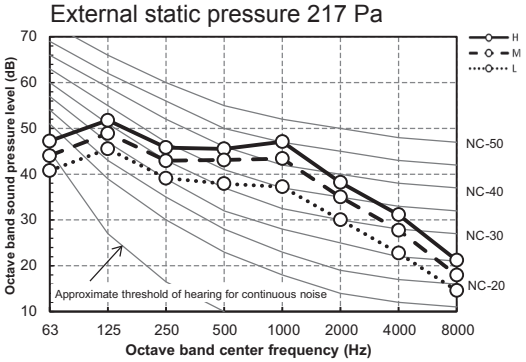
External static pressure 150 Pa



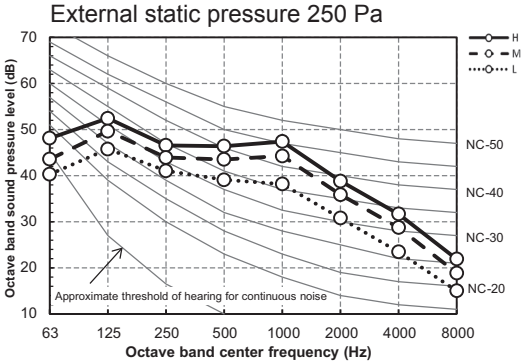
External static pressure 183 Pa



External static pressure 217 Pa



External static pressure 250 Pa



High Static Ducted type Engineering Data Book

Model name:

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