

High Static Ducted type

MMD-AP0726HP-UL

MMD-AP0966HP-UL



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1. Specifications



High static ducted type

Model name			MMD-	AP0726HP-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	0.603	
	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 chloride 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.

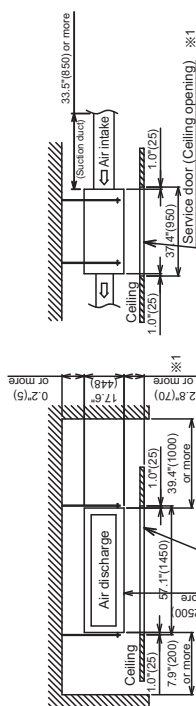
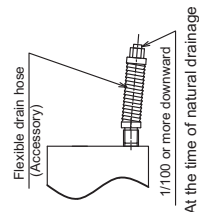
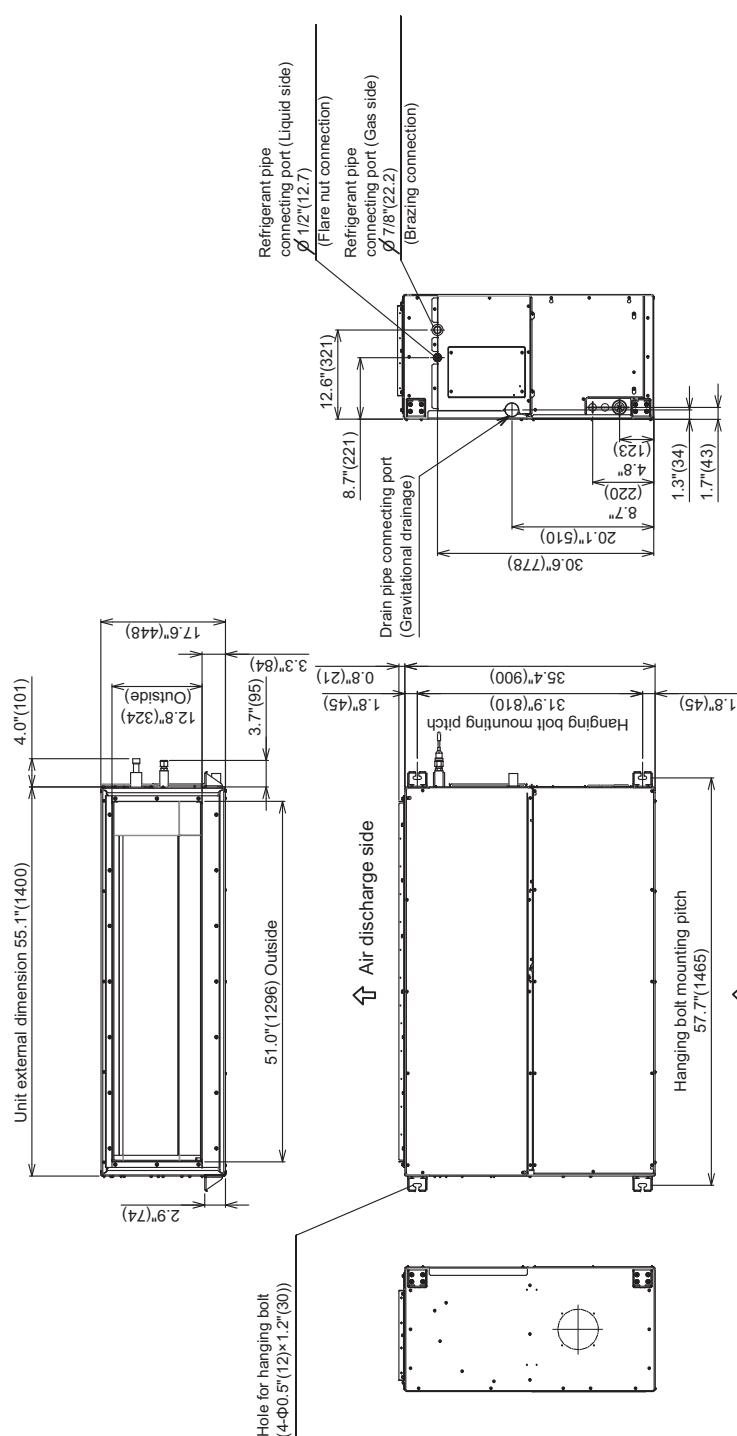
Normally, the values measured in the actual operating environment become larger than the indicated values due to the effects of external sound.

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

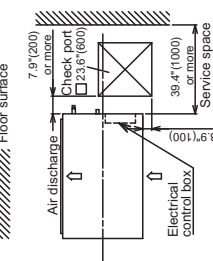
2. Dimensions

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NOTE

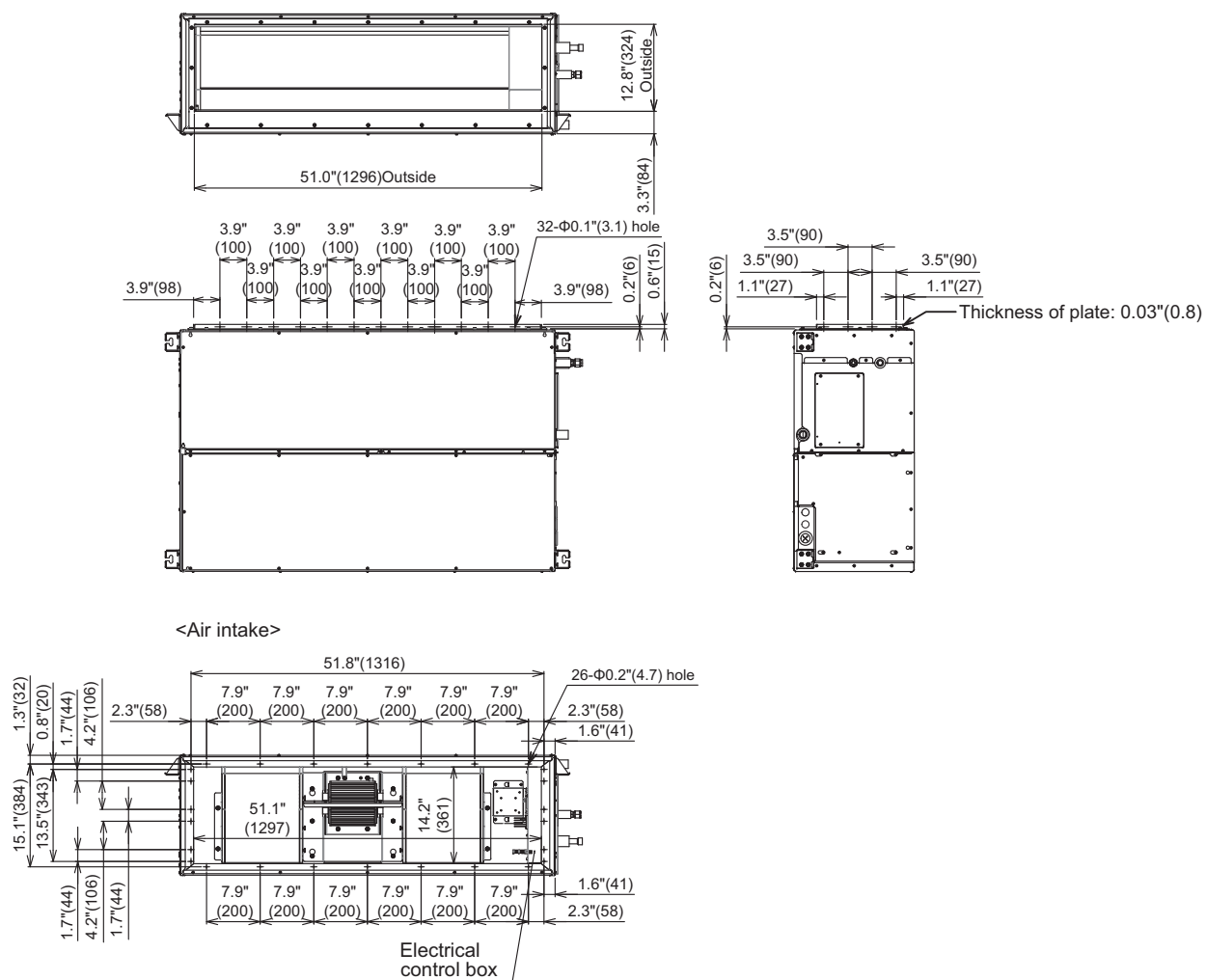
- NOTE**
- See check port for maintaining the electrical control box, refrigerant pipe and drain pan.
 - The indoor unit is not equipped with an air filter. Procure and install one locally.
 - Set the service door (Ceiling opening) for replacing the fan, fan motor, when they are broken. Otherwise, they cannot be replaced.
- There is enough space under the unit (more than 39.4" (1000 mm)) for the service door (Ceiling opening) is not necessary.



(Unit: in (mm))

Duct arrangement

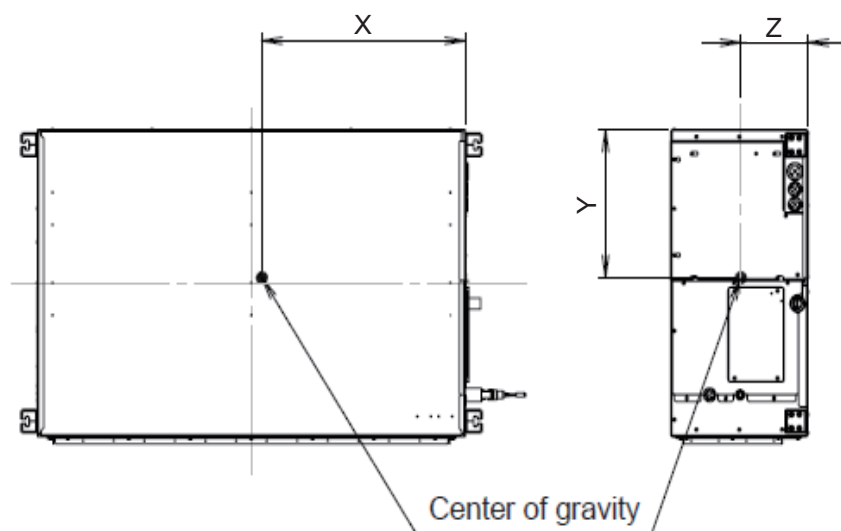
<Air discharge>



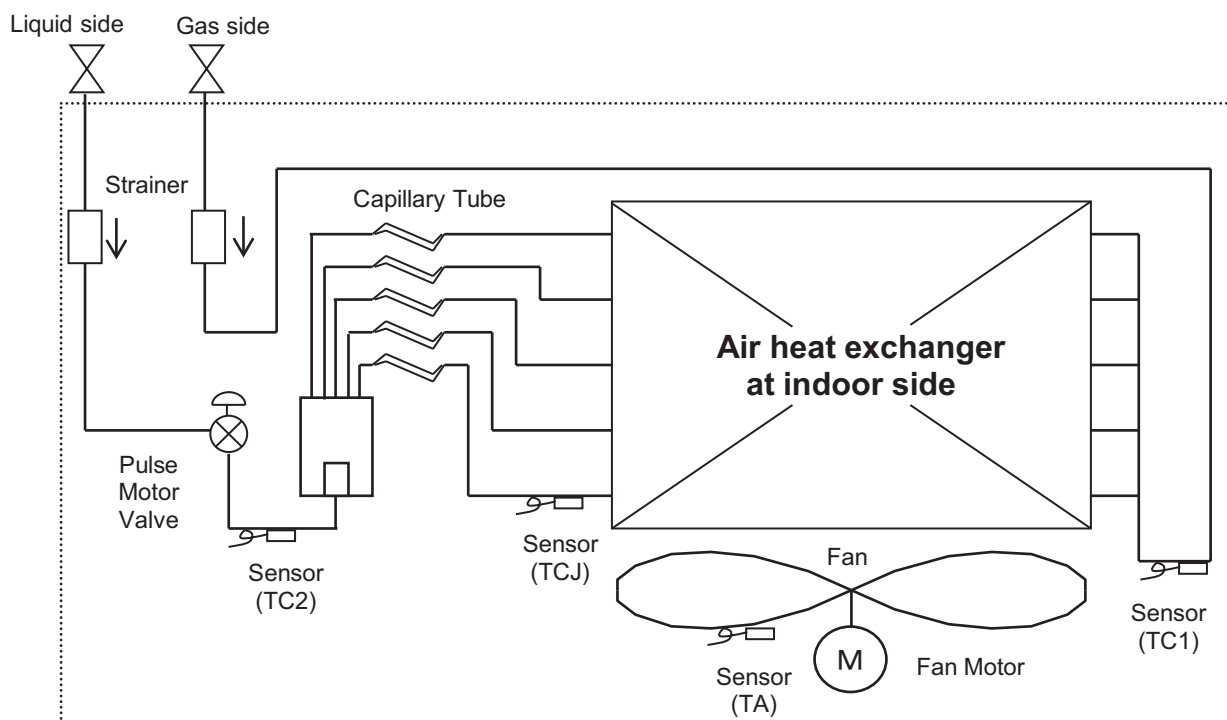
(Unit: in (mm))

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				

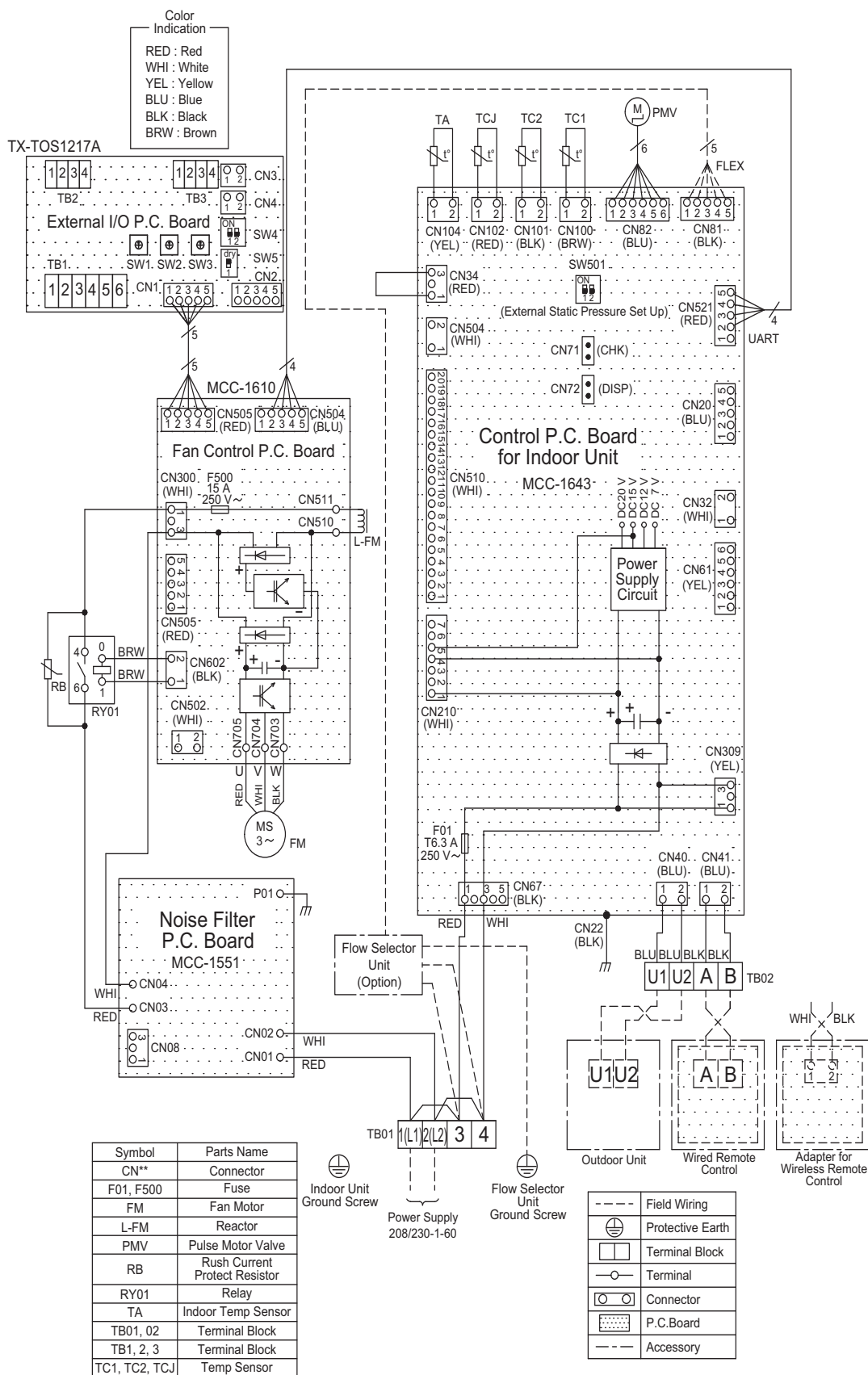


4. Piping diagram



5. Wiring diagram

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6. Electrical current characteristics

Type	Model	Nominal Voltage (V-Ph-Hz)	Voltage Range (V)		Power consumption kW	FLA A	MCA A	MOCP A
			Min	Max				
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

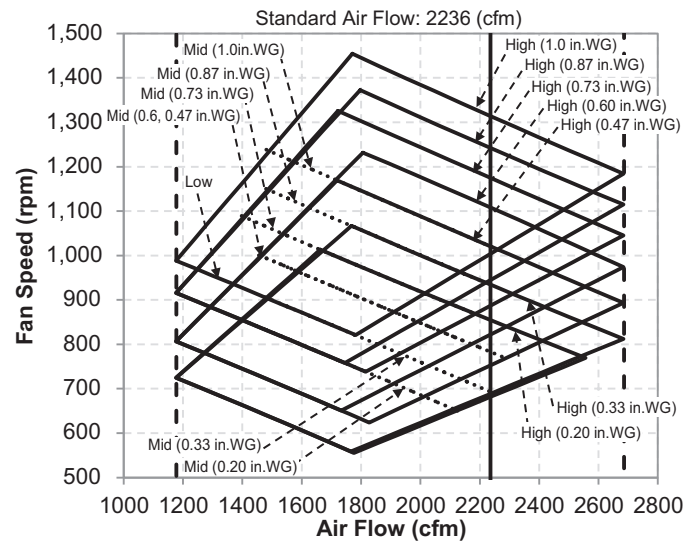
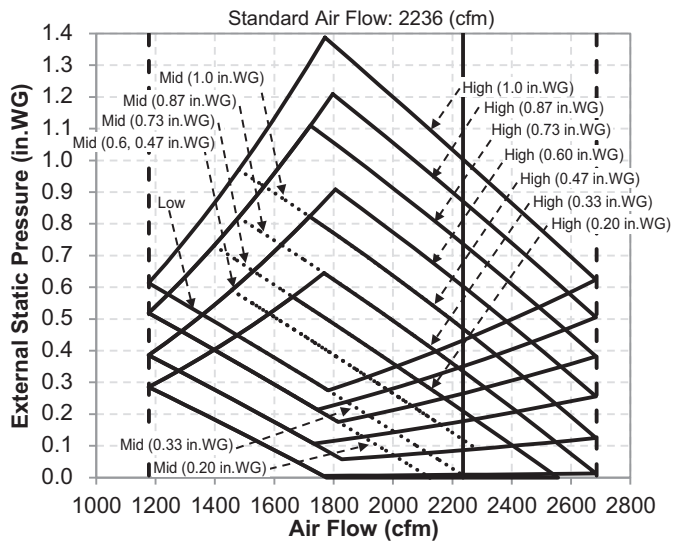
High Static Ducted type (MMD-AP***6HP-UL)

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

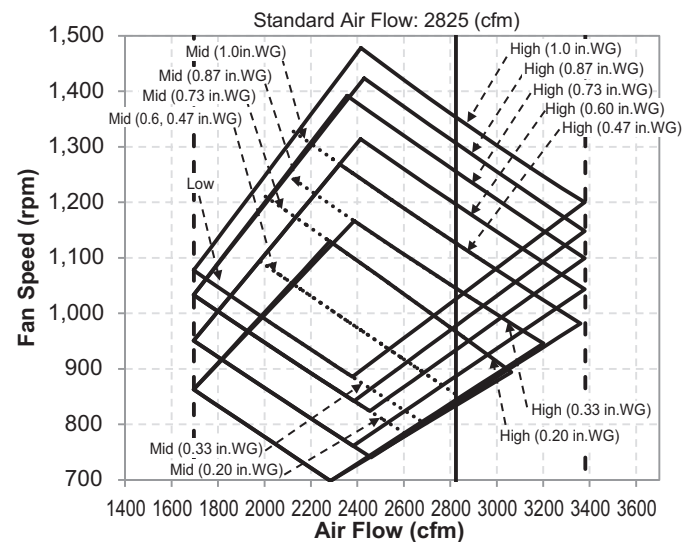
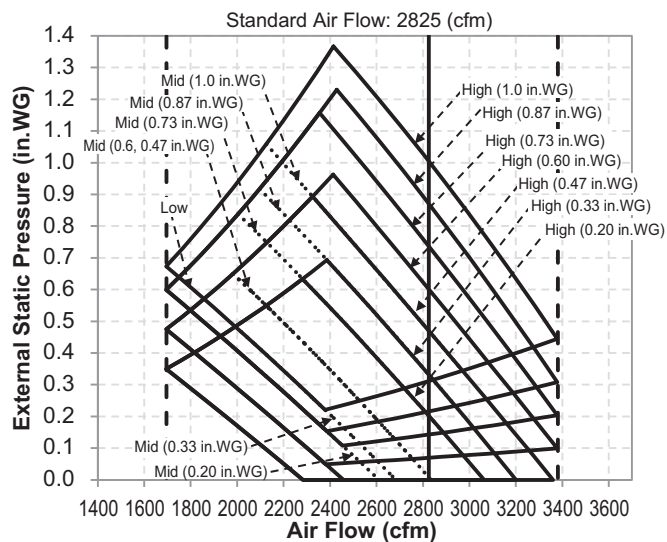
unit size	outdoor air temp. °FDB	indoor air temp.													
		59°FWB		61°FWB		64°FWB		67°FWB		68°FWB		72°FWB		75°FWB	
		71°FDB		73°FDB		77°FDB		80°FDB		82°FDB		86°FDB		90°FDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
072	50	59110	53240	65380	56710	69840	60230	72000	60050	74160	60040	78480	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
	64	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	64	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	68	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	70	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
	73	78820	71500	87170	76150	93120	80880	96000	80640	98880	80640	104640	79890	109440	78040
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	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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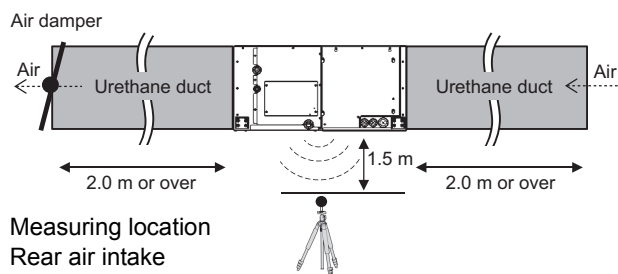


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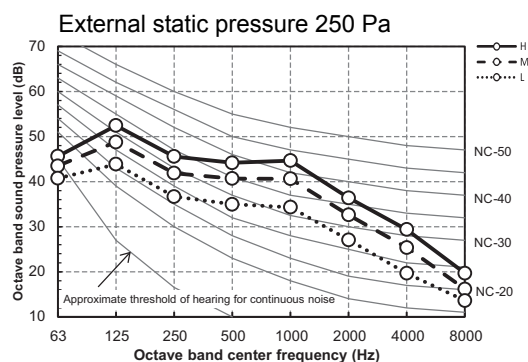
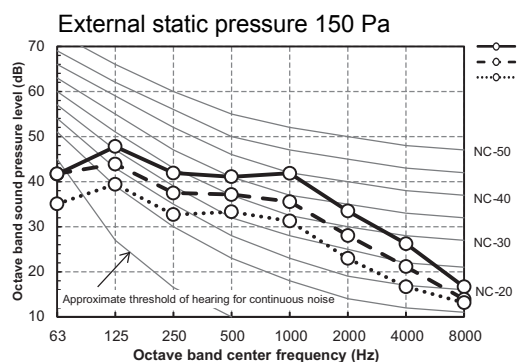
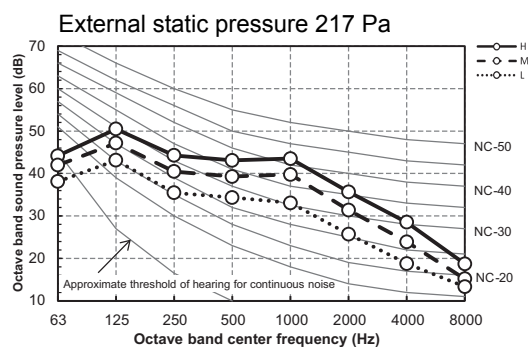
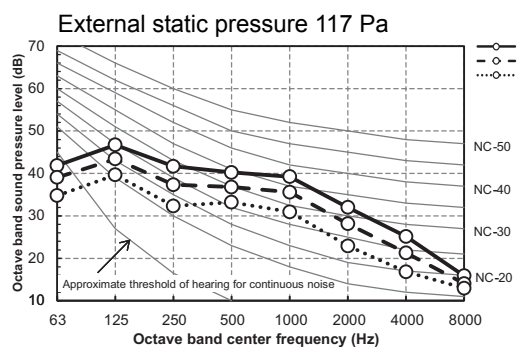
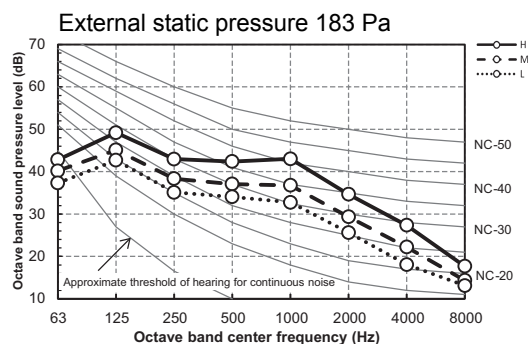
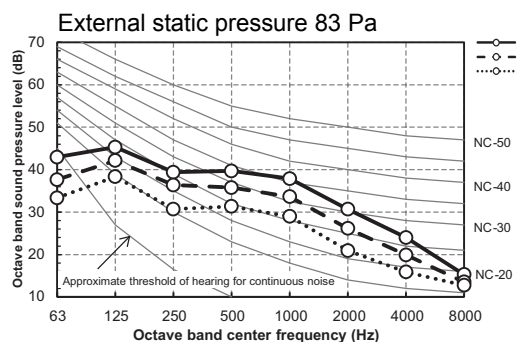
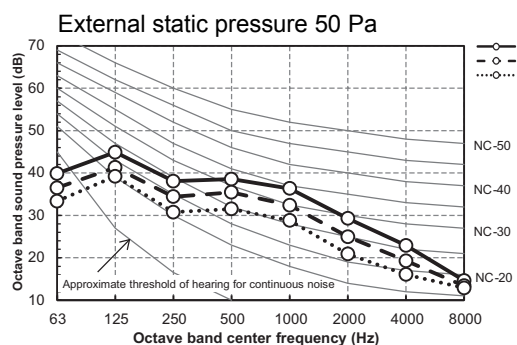


9. Sound data

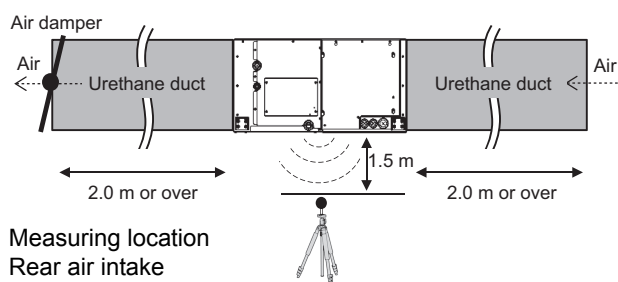
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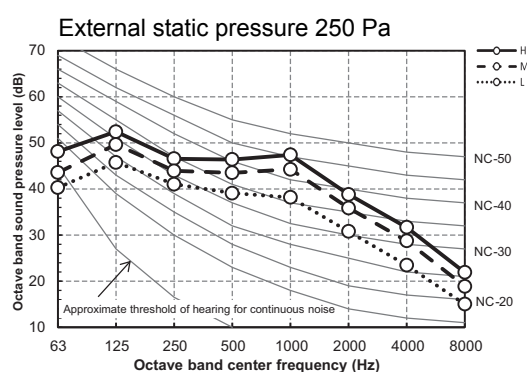
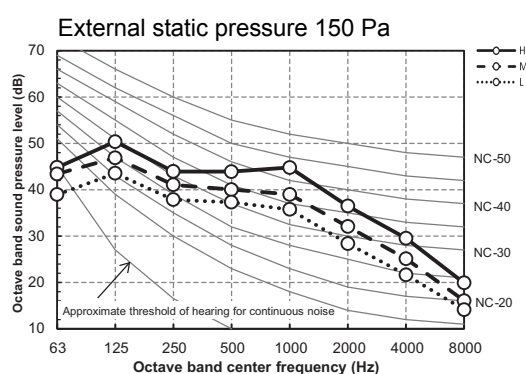
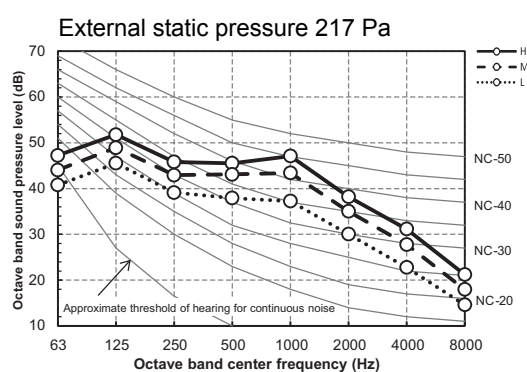
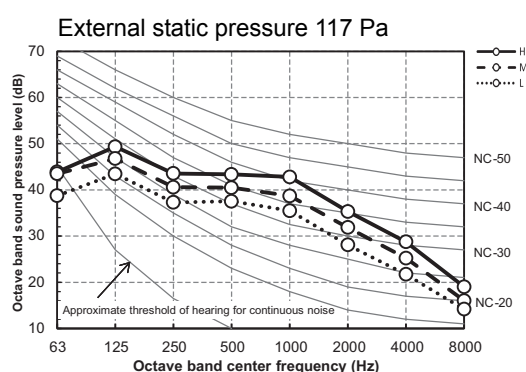
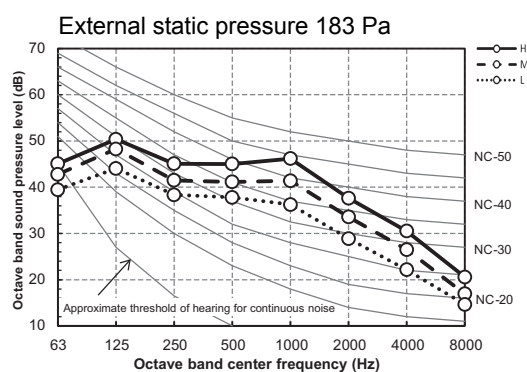
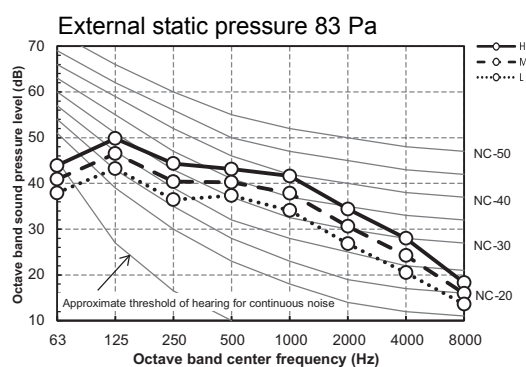
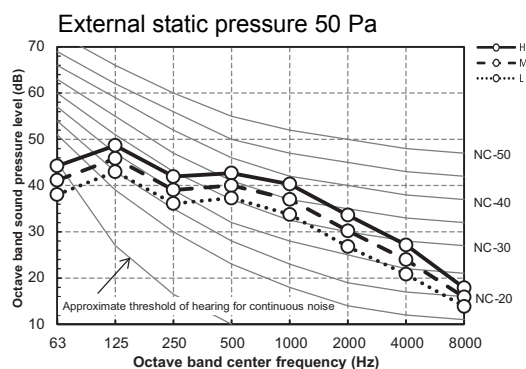
ESP (in.WG)	Sound Pressure Level (dBA)		
	H	M	L
0.20	42.5	38.5	34.5
0.33	43.0	39.0	35.0
0.47	43.5	39.5	35.5
0.60	44.0	40.0	36.0
0.74	45.0	41.0	37.0
0.87	46.0	42.0	38.0
1.00	47.0	43.0	39.0



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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



High Static Ducted type Engineering Data Book

Model name:

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