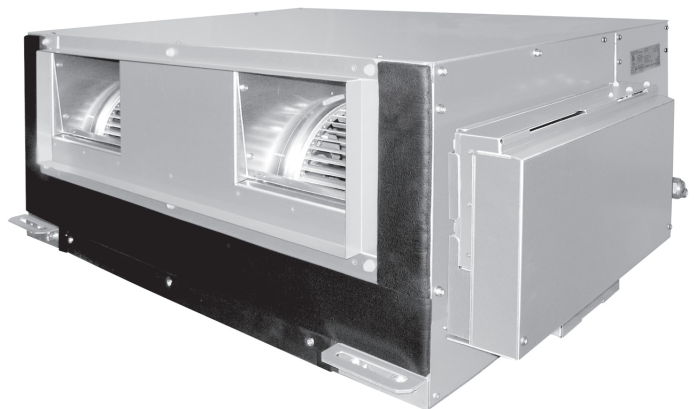


High Static Ducted type

MMD-AP0304H2UL

MMD-AP0364H2UL

MMD-AP0484H2UL



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1. Specifications



Concealed Duct High Static Pressure type

Model name			MMD-	AP0304H2UL	AP0364H2UL	AP0484H2UL
Cooling Capacity			kBtu/h	30	36	48
Heating Capacity			kBtu/h	34	40	54
Electrical characteristics	Power supply		230V (208/230 V) 1phase 60 Hz			
	Power consumption(206/230V)		kW	0.34/0.38	0.34/0.38	0.41/0.46
Appearance				Zinc hot dipping steel plate		
Dimension	Unit	Height	In	15.0		
		Width	In	33.5		47.2
		Depth	In	26.0		
	Packing	Height	In	17.0		
		Width	In	42.6		56.4
		Depth	In	31.9		
Total weight	Unit		lbs	128		154
	Packed unit		lbs	141		176
Heat exchanger				Finned tube		
Fan unit	Fan		Centrifugal fan			
	Standard air flow (High/Mid/Low)		cfm	926		1235
	Motor		W	260		
	External static pressure (*1)	Factory default	In WG	0.641/0.814		0.296/0.519
		208V(High tap/Mid tap/Low tap) (*3)	In WG	1.075 - 0.641 - 0.287		0.606 - 0.296 - Non
		230V(High tap/Mid tap/Low tap) (*3)	In WG	1.175 - 0.814 - 0.506		0.801 - 0.519 - 0.114
	Air flow limit	Lower limit	cfm	755.2		988.2
		Upper limit	cfm	1132.8		1447.1
Air filter				Fieled supply		
Connecting pipe	Gas side		In	5/8"		
	Liquid side		In	3/8"		
	Drain port (Nominal dia.)		In	VP25 (Polyvinyl chloride tube: External Dia.1-1/4 Internal Dia.1)		
Sound pressure level(*2)		208V(High tap/Mid tap/Low tap) (*3)	dB(A)	49.5/45/41		47/44/-
		230V(High tap/Mid tap/Low tap) (*3)	dB(A)	51/47/43		49/46/43

Note

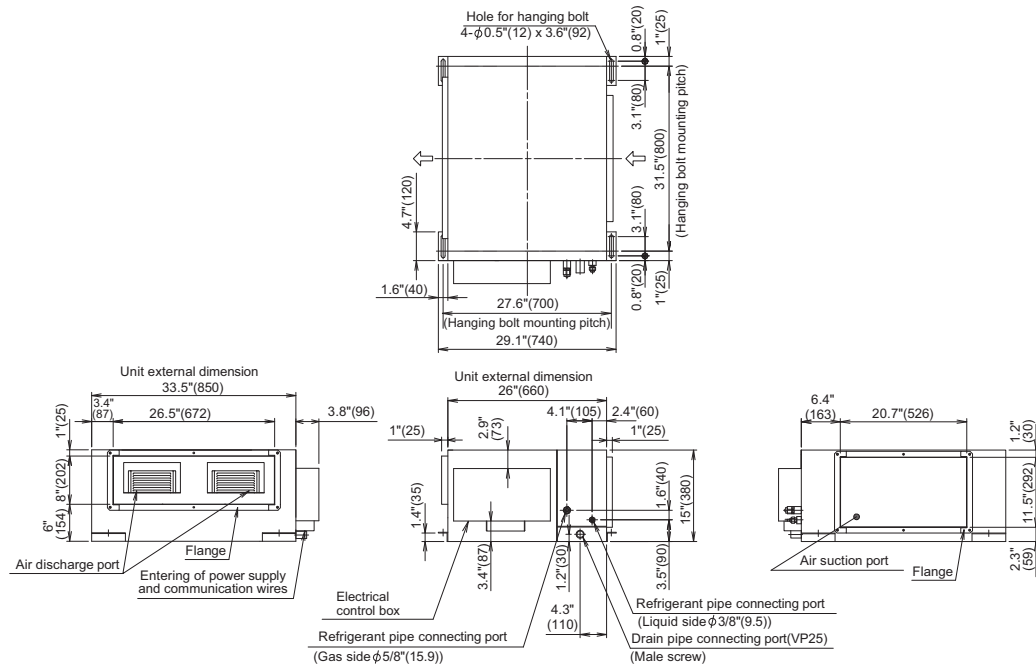
(*1) Non attached filter

(*2) The actual values in an external operating environment are generally higher than the indicated values due to the contribution from ambient noise.

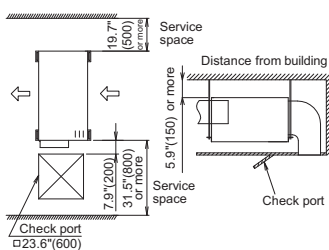
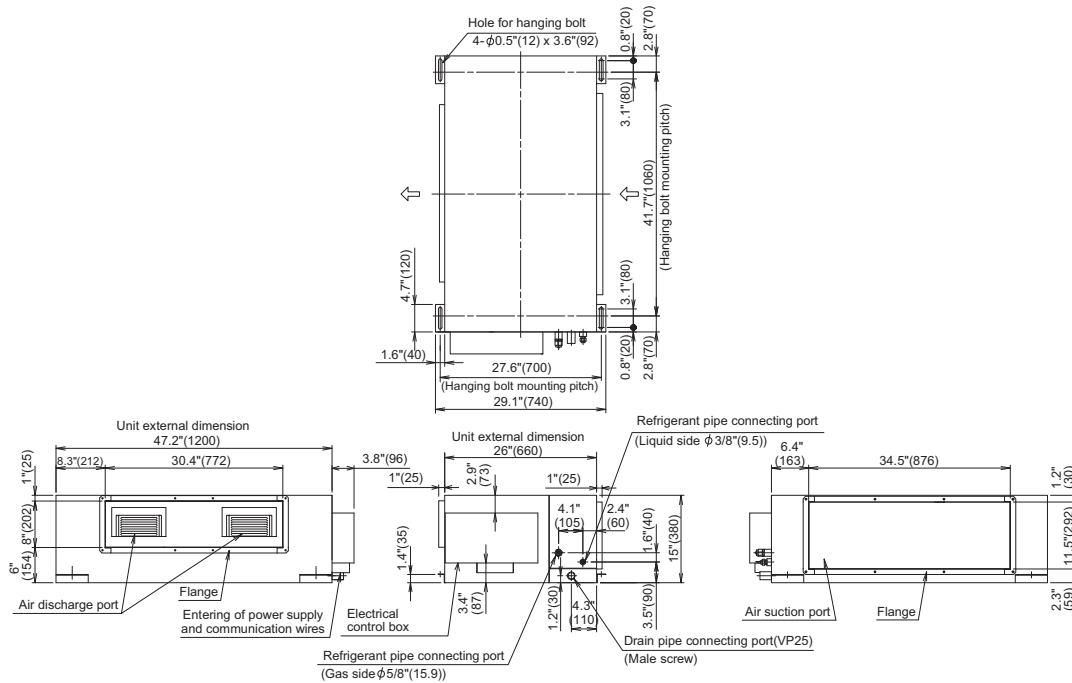
(*3) The tap is set by wire connection change of fan motor.

2. Dimensions

MMD-AP0304H2UL, AP0364H2UL

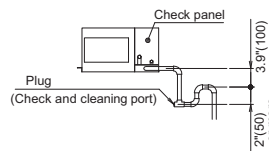


MMD-AP0484H2UL



Attention

Be sure to set the plug and to make it to be able to cleaning, because garbage in drain piping piles up easily in drain trap.

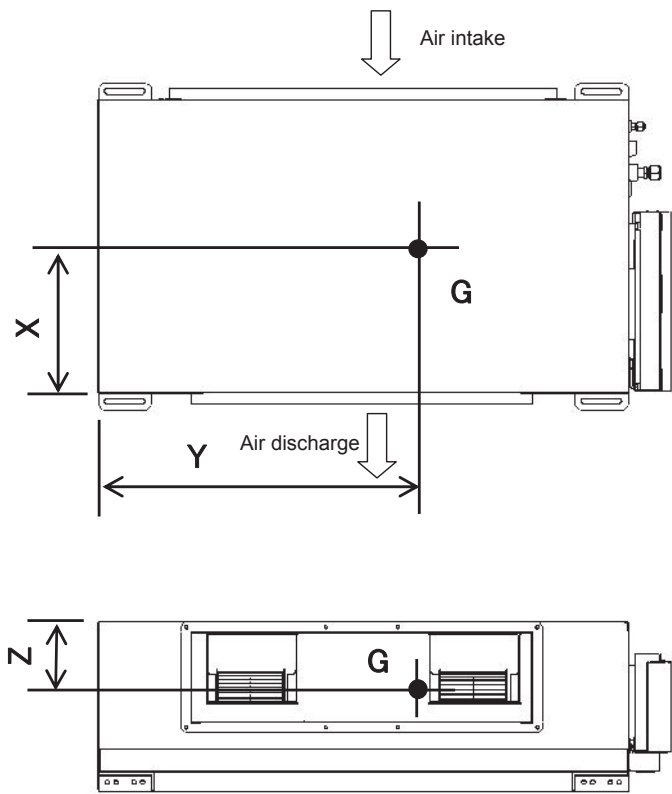


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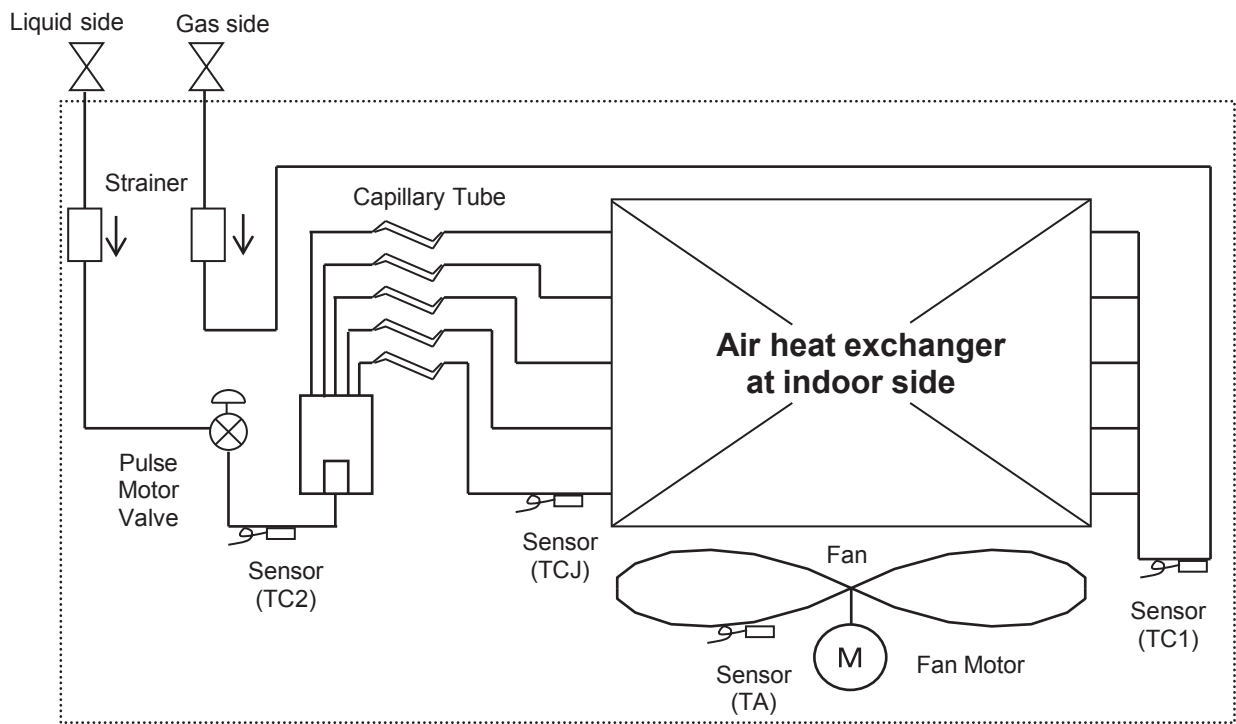
1. Indoor unit does not have air filter its inside.
So be sure to set an air filter (local arrangements) in the position maintained easily such as a air intake grille.
(If there is no air filter, dusts are blocked in the air heat exchanger and it may cause failure or water leak in air-conditioner.)
2. Leave sufficient space to remove the air filter when you attach it.

3. Center of gravity

Model name	X (In)	Y (In)	Z (In)	Total weight (lbs)
MMD-AP0304H2UL	11.4	17.7	7.7	128
MMD-AP0364H2UL	11.4	25.4	7.7	154

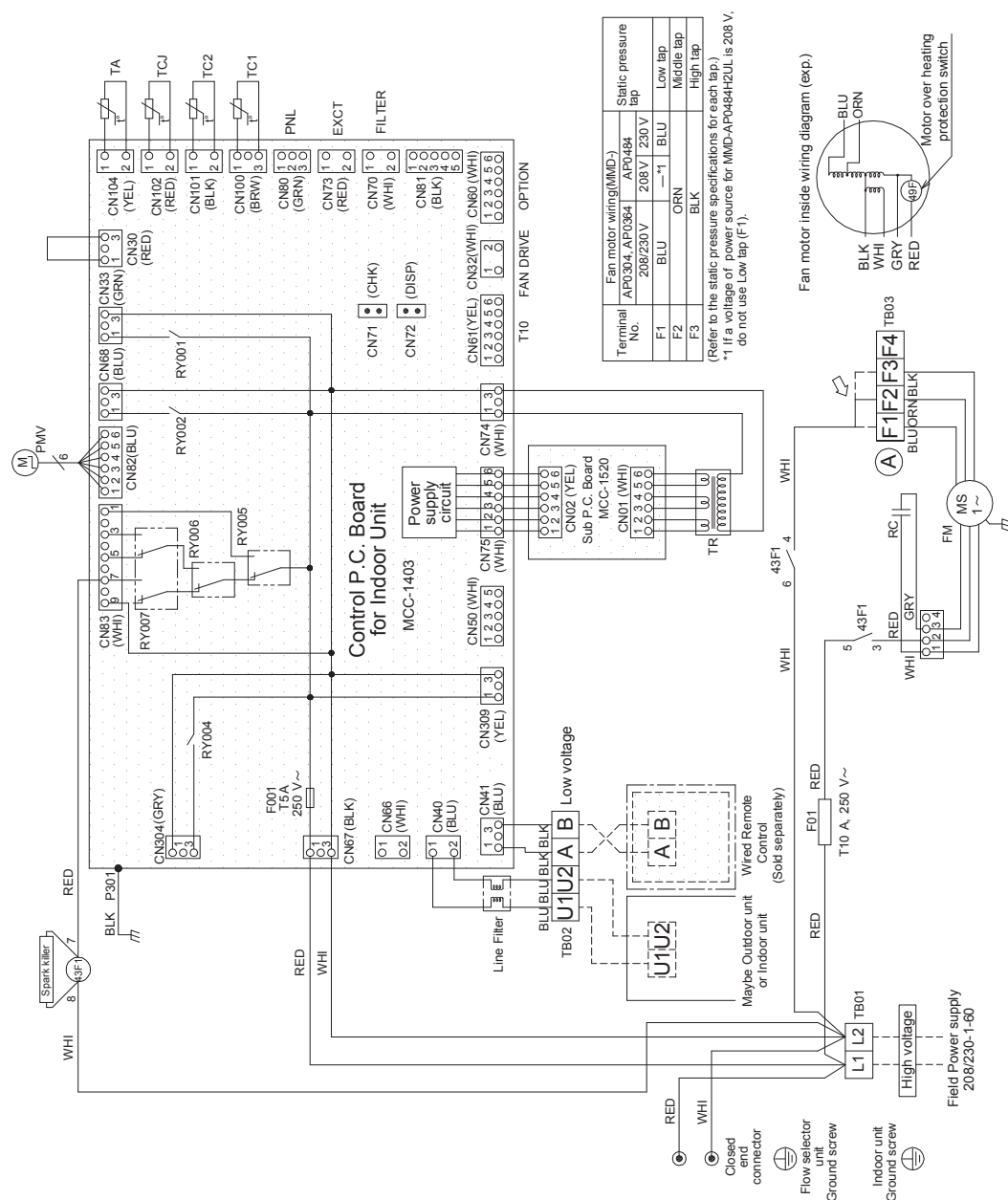


4. Piping diagram



5. Wiring diagram

MMD-AP0304H2UL, AP0364H2UL, AP0484H2UL



Symbol	Parts Name
43F1	Fan motor Control Relay
CN**	Connector
F01	Fuse
F001	Fuse
FM	Fan Motor
PMV	Pulse Motor Valve
RC	Running Capacitor
RY005,006,007	Fan Motor Control Relay
TA	Indoor temp sensor
TB01,02,03	Terminal Block
TC1,TC2,TCJ	Temp sensor
TR	Transformer

1. Broken line indicates the wiring at site.
Long dashed short dashed line indicate the accessories.
 2.  indicates the terminal block.
 3.  indicates the protection ground.
 4.  indicates the control P.C. board.
 5.  position is connected to terminal block when change to static pressure.
- exchange the lead wire of arrow() position after check the terminal number as figure and lead wire's color of fan motor.

— COLOR IDENTIFICATION —

RED : RED	GRY : GRAY
WHI : WHITE	PNK : PINK
YEL : YELLOW	ORN : ORANGE
BLU : BLUE	BRW : BROWN
BLK : BLACK	GRN : GREEN

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-AP0304H2UL	208/230-1-60	187	253	0.38/0.41	2.34	2.93	15
	MMD-AP0364H2UL	208/230-1-60	187	253	0.38/0.41	2.34	2.93	15
	MMD-AP0484H2UL	208/230-1-60	187	253	0.35/0.41	2.92	3.65	15

MCA: Minimum Circuit Amps

FLA: Full Load Amps

MOCP: Maximum Overcurrent Protection (Amps)

7. Sensible capacity table

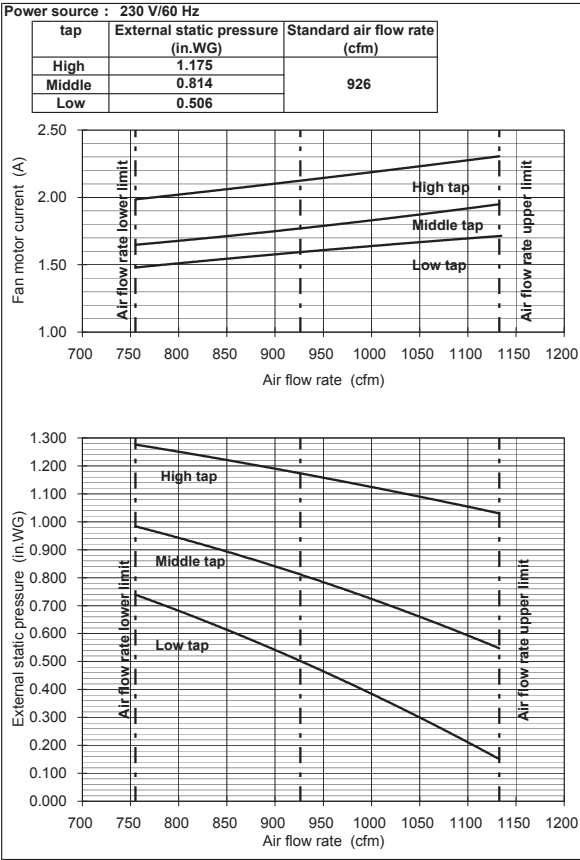
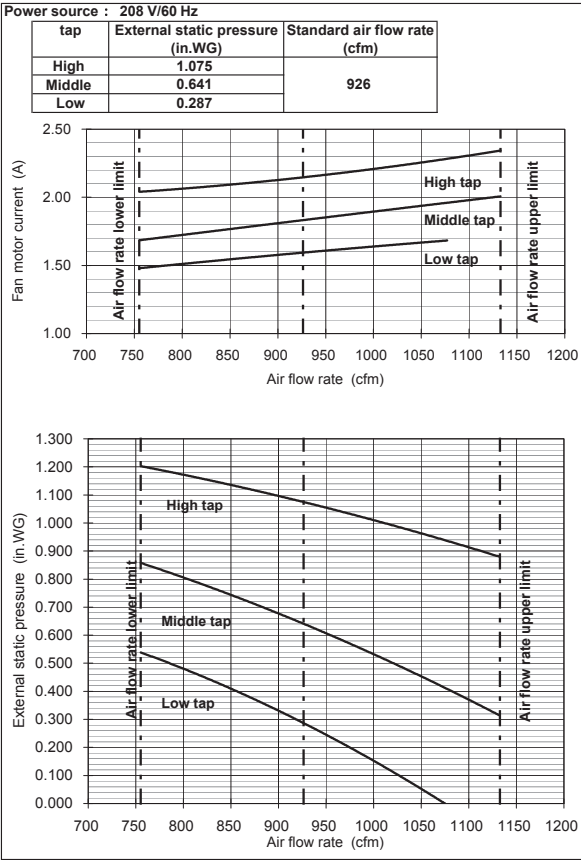
High Static Ducted type (MMD-AP***4H2UL)

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

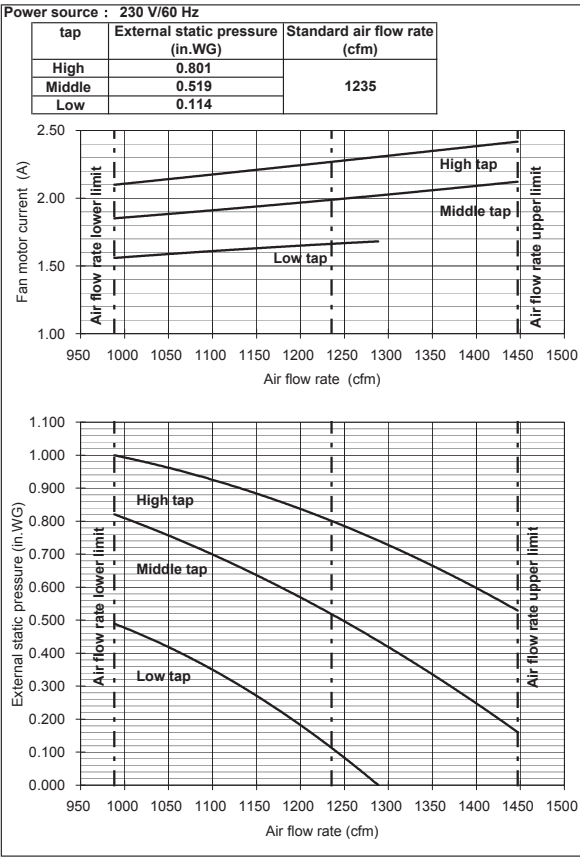
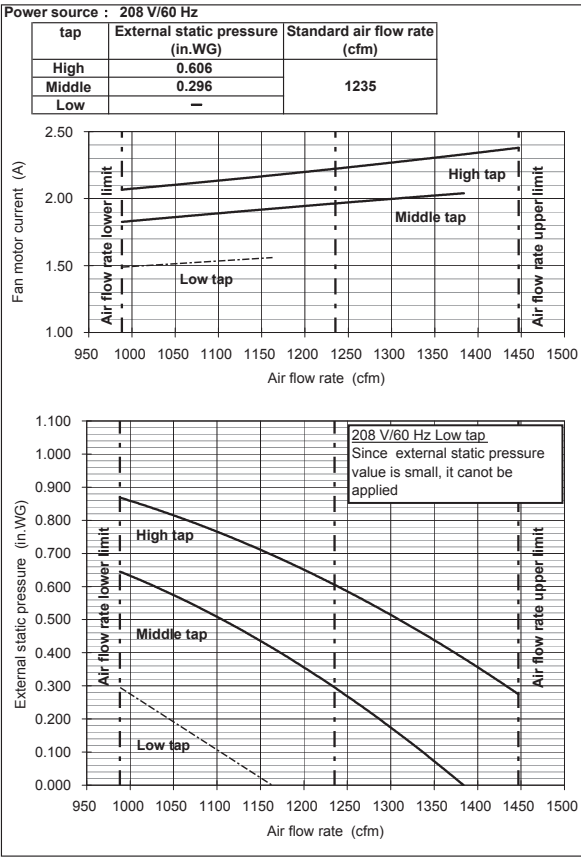
unit size	outdoor air temp. °FDB	indoor air temp.													
		59 °FWB		61 °FWB		64 °FWB		67 °FWB		68 °FWB		72 °FWB		75 °FWB	
		71 °FDB		73 °FDB		77 °FDB		80 °FDB		82 °FDB		86 °FDB		90 °FDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
030	50	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	54	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	57	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	61	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	64	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	68	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	70	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	73	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	77	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	81	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	84	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	88	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	91	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
	95	24630	19550	27240	20820	29100	22120	30000	22050	30900	22050	32700	21850	34200	21340
036	99	23920	18980	26450	20220	28260	21480	29130	21410	30000	21410	31750	21220	33210	20720
	102	23350	18530	25820	19740	27590	20970	28440	20900	29290	20900	31000	20710	32420	20230
	50	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	54	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	57	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	61	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	64	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	68	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	70	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	73	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	77	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	81	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	84	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	88	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	91	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
048	95	29560	23310	32690	24820	34920	26360	36000	26280	37080	26280	39240	26040	41040	25430
	99	28700	22630	31740	24100	33910	25600	34960	25520	36000	25520	38100	25280	39850	24690
	102	28020	22100	30990	23530	33100	24990	34130	24910	35150	24910	37200	24690	38910	24110
	50	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	36620	54720	35770
	54	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	57	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	61	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	64	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	68	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	70	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	73	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	77	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	81	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	84	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	88	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	91	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	32810	54720	35770
	95	39410	32770	43580	34900	46560	37070	48000	36960	49440	36960	52320	36620	54720	35770
	99	38270	31820	42320	33890	45210	35990	46610	35890	48010	35890	50800	35560	53130	34730
	102	37360	31070	41310	33090	44140	35140	45500	35040	46870	35040	49600	34720	51870	33910

8. Fan characteristics

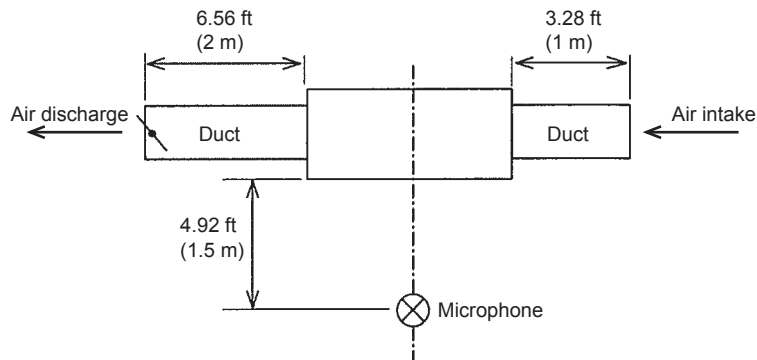
MMD-AP0304H2UL, AP0364H2UL



MMD-AP0484H2UL

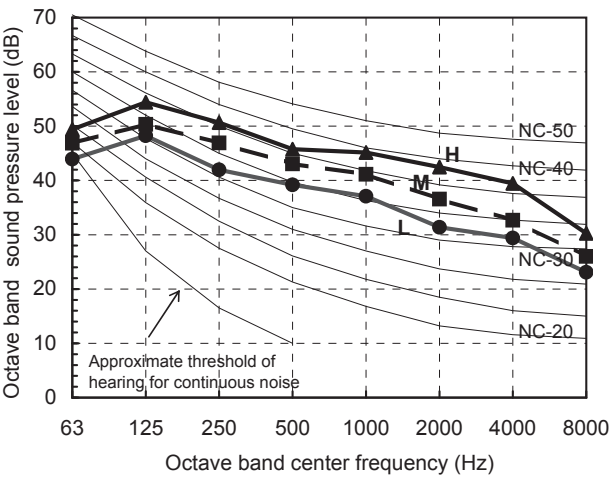


9. Sound data



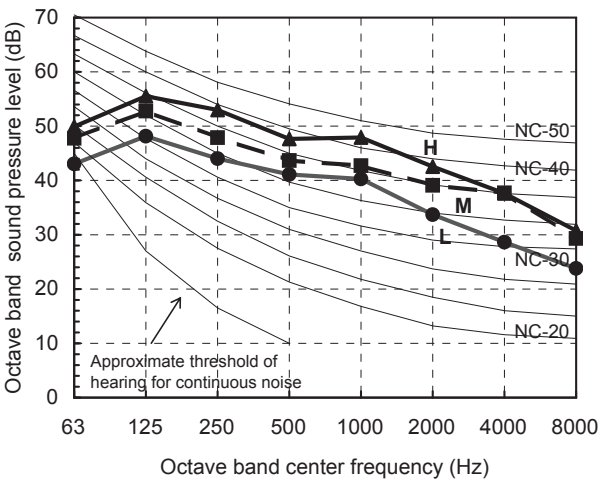
MMU-AP0304H2UL, AP0364H2UL (208 V)

Fan tap	H	M	L
Sound pressure level (dB(A))	49.5	45	41



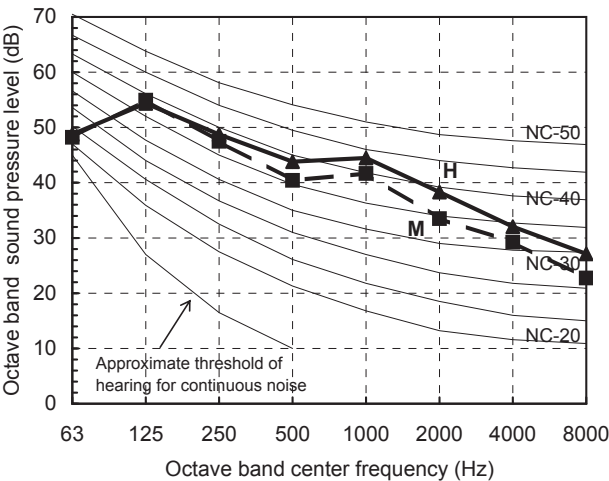
MMU-AP0304H2UL, AP0364H2UL (230 V)

Fan tap	H	M	L
Sound pressure level (dB(A))	51	47	43



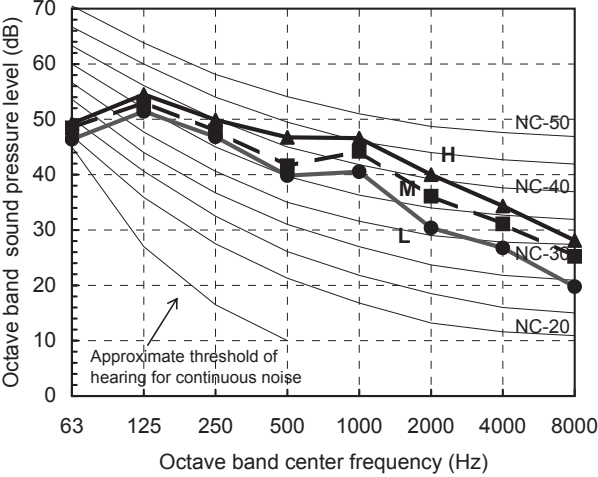
MMU-AP0484H2UL (208 V)

Fan tap	H	M	L
Sound pressure level (dB(A))	47	44	-



MMU-AP0484H2UL (230 V)

Fan tap	H	M	L
Sound pressure level (dB(A))	49	46	43



High Static Ducted type Engineering Data Book

Model name:

MMD-AP___4H2UL

April, 2018 Third Edition

TOSHIBA CARRIER CORPORATION