TOSOT

TMV- 5 mini Series

48,000 BTU / VRF SYSTEM

SUBMITTAL DATA: TMVRF-OD48KHP

Job Name	Location		Date	
Purchaser	Engineer			
Submitted To	For	☐ Reference	☐ Approval	☐ Construction
Unit Designation	Schedule No.			

TMVRF-OD48KHP



Model			TMVRF-OD48KHP
System Performance			
Capacity Range		Ton	4
Nominal Capacity	Cooling	kBtu/h	48
	Heating	kBtu/h	54
Sound Pressure Level		dB(A)	55
Operating Temperature Range	Cooling	°C/°F	-5~48 / 23~118
	Heating	°C/°F	-20~27 / -4~81
AHRI Certificate Reference Number		-	212117656 / 212117657
Cooling Capacity@95F		kBtu/h	48 / 48
SEER(Ducted/Non-Ducted)		-	19.50 / 22.00
SEER2(Ducted/Non-Ducted)		-	16.00 / 22.00
Heating Capacity@47F		kBtu/h	54 / 54
HSPF(Ducted/Non-ducted)		-	10.60 / 10.80
HSPF2(Ducted/Non-ducted)		-	8.50 / 9.80
Heating Capacity@5F(Ducted/Non-ducted)		kBtu/h	26.0 / 27.0
Electrical Data			
Power Supply		-	208/230V, 1 Phase, 60Hz
Maximum Overcurrent Protection (MOP)		A	40.0
Minimum Circuit Amps (MCA)		A	33.0
Fan			
Type x Quantity		-	Axial- flow x 2
Air Flow Volume		CFM	3,708
		m^3/h	6,300
Fan Motor Power Output		W	120
Compressor			
Compressor Type x Quantity		-	Inverter rotary x 1
Compressor Rated Load Amps (RLA)		A	19.7
Oil Type		-	FW68DA
Oil Charge Volume(Compressor charged)		L	1
Connection Piping			
Gas Pipe		inch	5/8
Liquid Pipe		inch	3/8
Refrigerant Type		-	R410A
Refrigerant Charge Amount		kg/oz	3.3 / 116.4
Dimension/Weight			
Unit Dimensions (W x D x H)		inch	35-3/8 x 13-3/8 x 52
		mm	900 x 340 x 1,345
Weight	Net	lbs/kg	246 / 112
	Gross	lbs/kg	274 / 124
Other			
Capacity Diversity Range(IDUs/ODU)		-	50%~135%
Moisture Protection		-	IPX4

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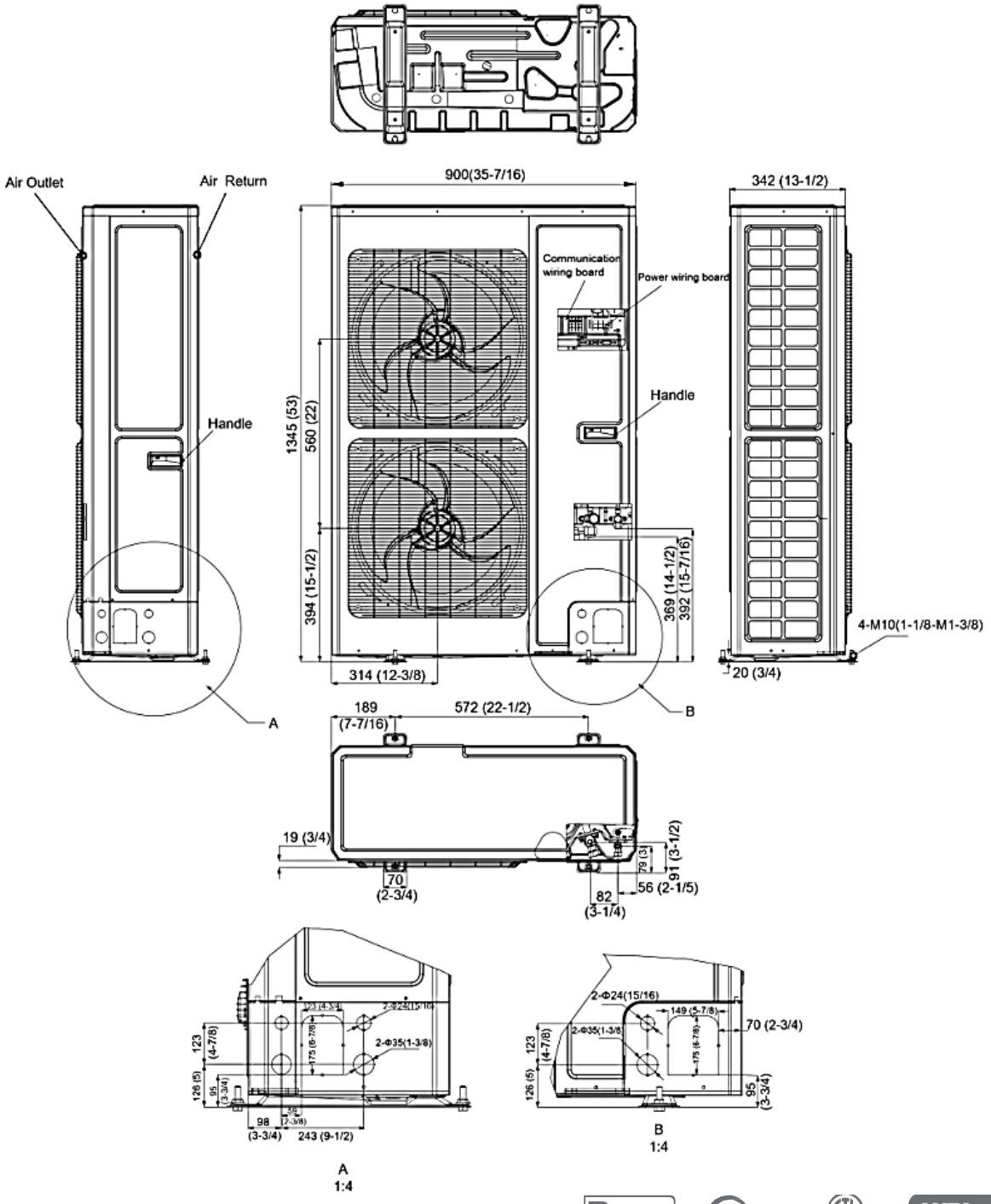
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Dimension and Installation Hole

Unit: mm(inch)



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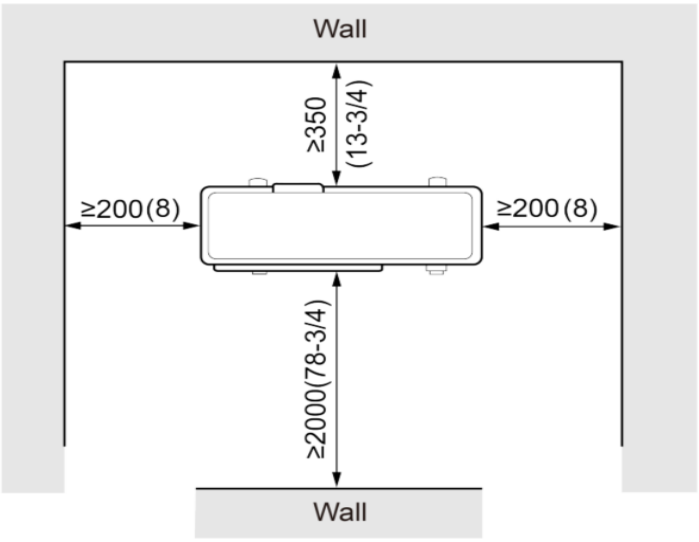
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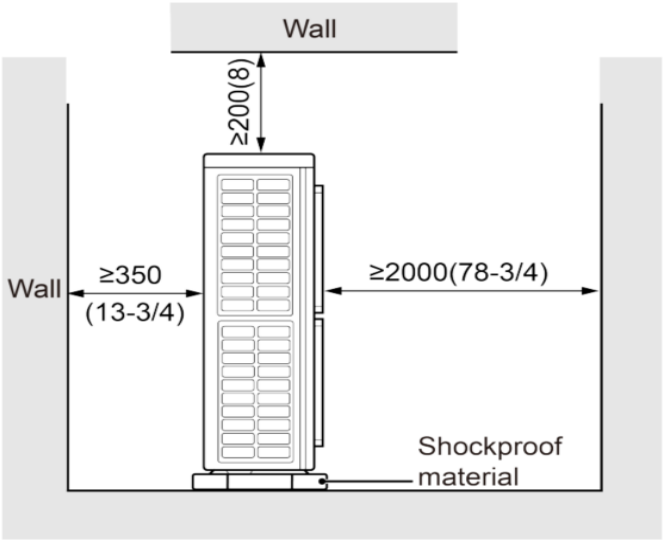
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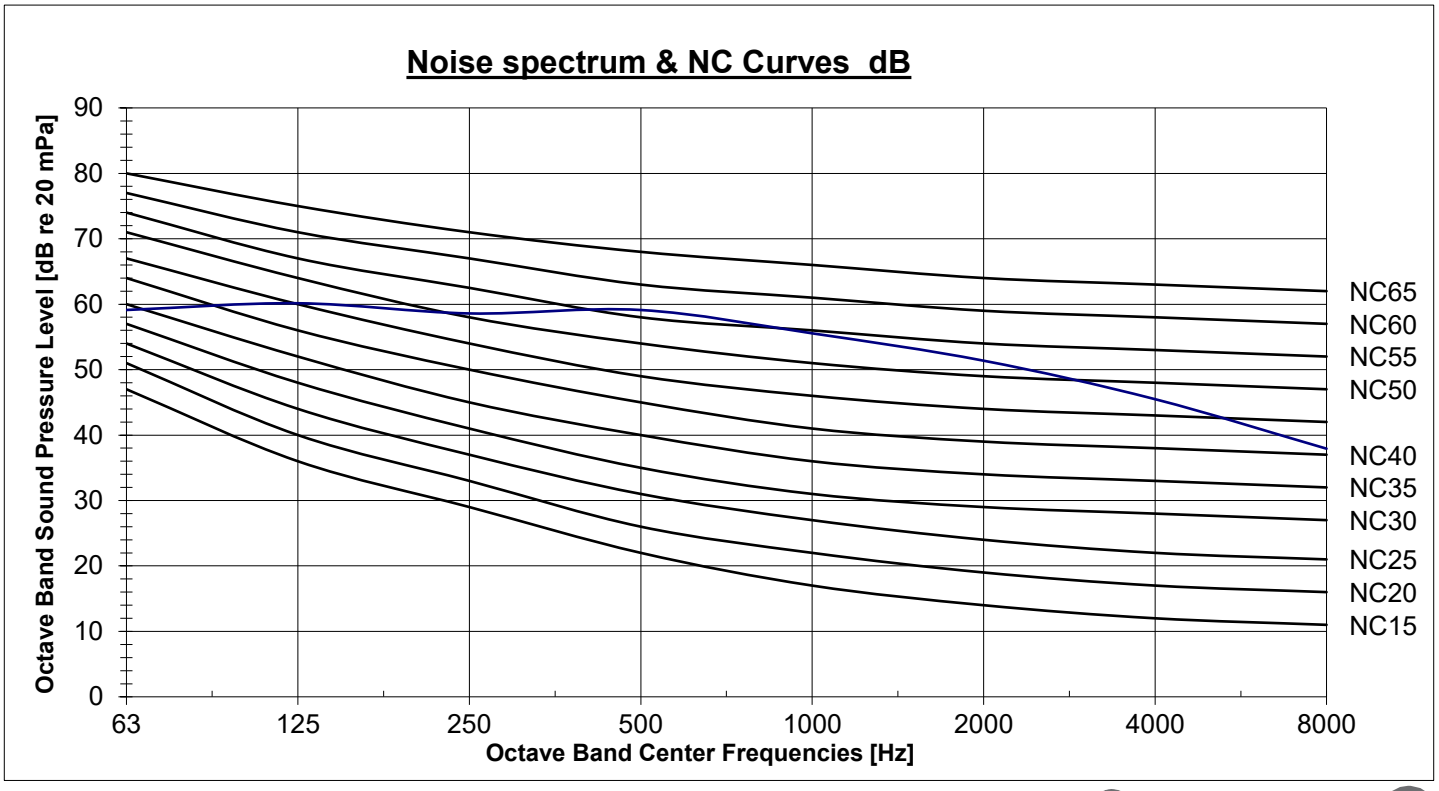
Installation Clearance

Unit: mm(inch)





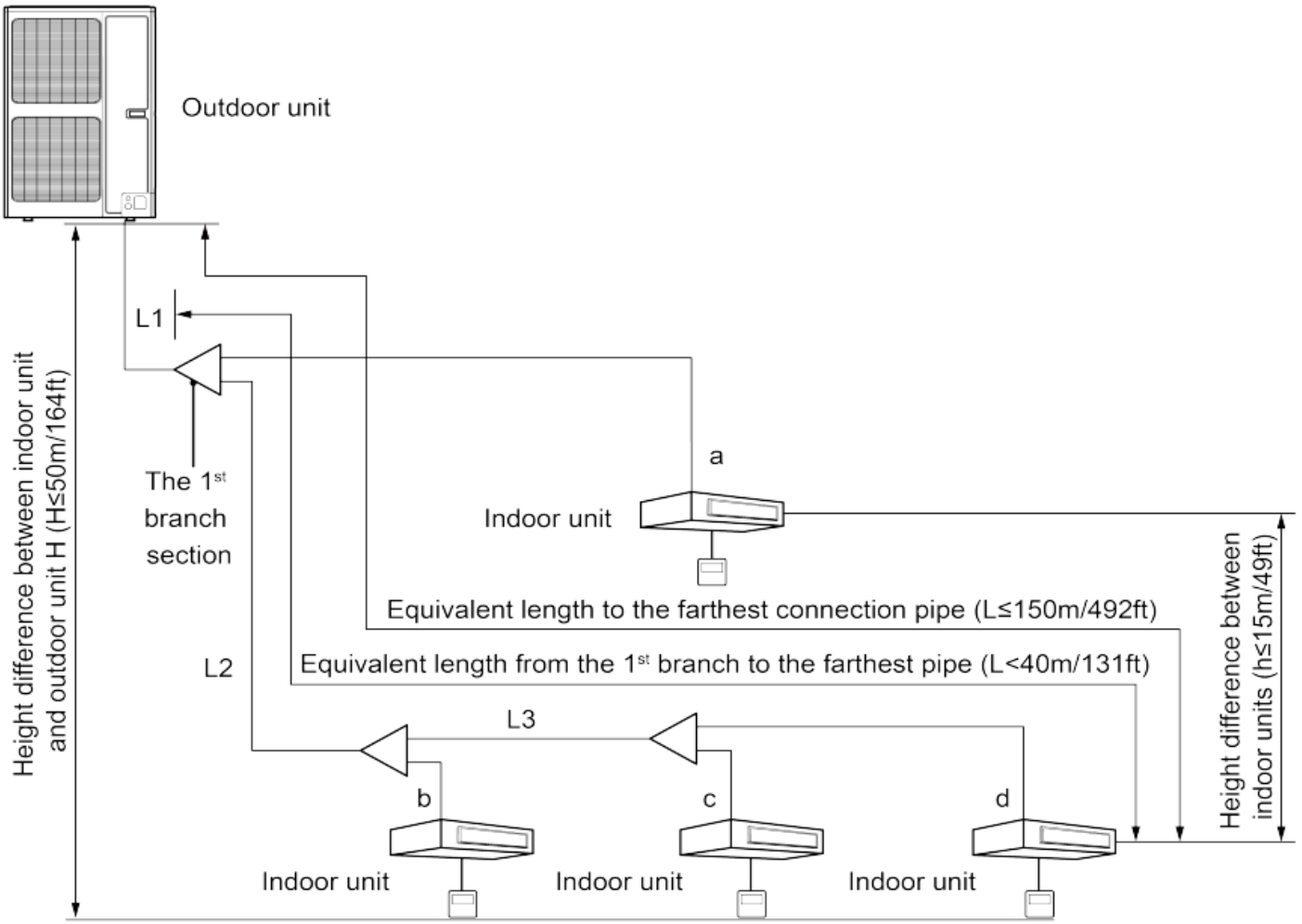
Acoustic Octave-band Sound Power Data



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Each Y-type branch equals to 0.5m (1-5/8ft) and each branch header equals to 1.0m (3-1/4ft).

—		Allowable value		Fitting pipe
		m	feet	
Total length (actual length) of fitting pipe		300	984	L1+L2+L3+a+b+c+d
Length of farthest fitting pipe	Actual length	120	394	L1+L2+L3+d
	Equivalent length	150	492	
From the 1st branch to the farthest indoor pipe		40	131	L2+L3+d
Height difference between ODU and IDU	ODU at upper side	50	164	—
	ODU at lower side	40	131	—
Height difference between IDUs		15	49	—

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