TOSOT

Ultra Heat
TMV6 R32 mini Series
48,000 BTU / VRF mini SYSTEM

SUBMITTAL DATA: TMV-V48WL/NhC-T(U)

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

AHRI CERTIFIED REF	
NON-DUCTED	218330525
DUCTED	218330514
MIX	218330527

ENERGY STAR NUMBER	
NON-DUCTED	4577254
DUCTED	4577256
MIX	4577252



System Performance			
Capacity Range		Ton	4
Nominal Capacity	Cooling	kBtu/h	48.0
	Heating	kBtu/h	54.0
Sound Pressure Level		dB(A)	50
Operating Temperature Range	Cooling	°C / °F	-5~54 / 23~129
	Heating	°C / °F	-30~27 / -22~81
Cooling Capacity@95F (Ducted/Non-Ducted/Mixed)		kBtu/h	48.0 / 48.0 / 48.0
EER2(Ducted/Non-Ducted/Mixed)		-	11.70 / 13.50 / 12.60
SEER2(Ducted/Non-Ducted/Mixed)		-	18.00 / 23.50 / 20.75
Heating Capacity@47F (Ducted/Non-Ducted/Mixed)		kBtu/h	54.0 / 54.0 / 54.0
HSPF2(Ducted/Non-ducted/Mixed)		-	8.80 / 9.00 / 8.90
Heating Capacity@17F(Ducted/Non-ducted/Mixed)		kBtu/h	33.0 / 31.0 / 32.0
Heating Capacity@5F(Ducted/Non-ducted/Mixed)		kBtu/h	38.0 / 38.0 / 38.0
Electrical Data			
Power Supply		-	208/230V, 1 Ph, 60Hz
MOCP—ODU only/IDU(s) powered by ODU		A	40.0 / 60.0
MCA—ODU only/IDU(s) powered by ODU		A	38.1 / 53.1
Fan			
Type x Quantity		-	Axial- flow x 2
Air Flow Volume		CFM	3,885
Fan Motor Running Current(FLA)		A	2 x 0.9
Fan Motor Power Output		W	120
Compressor			
Compressor Type x Quantity		-	Inverter rotary x 1
Compressor Rated Load Amps (RLA)		A	29.0
Oil Type		-	FW68DA
Oil Charge Volume(Compressor charged)		L / Gal	1.5 / 0.396
Connection Piping			
Gas Pipe		inch	5/8
Liquid Pipe		inch	3/8
Refrigerant Type		-	R32
Refrigerant Pre-Charged Amount		kg/oz	3.6 / 127
Dimension/Weight			
Unit Dimensions (W x D x H)		Inch	35-3/8 x 13-3/8 x 53
		mm	900 x 340 x 1,345
Weight	Net / Gross	lbs	250 / 270
Other			
Capacity Diversity Range(IDUs/ODU)		-	50%~135%
Moisture Protection		-	IPX4

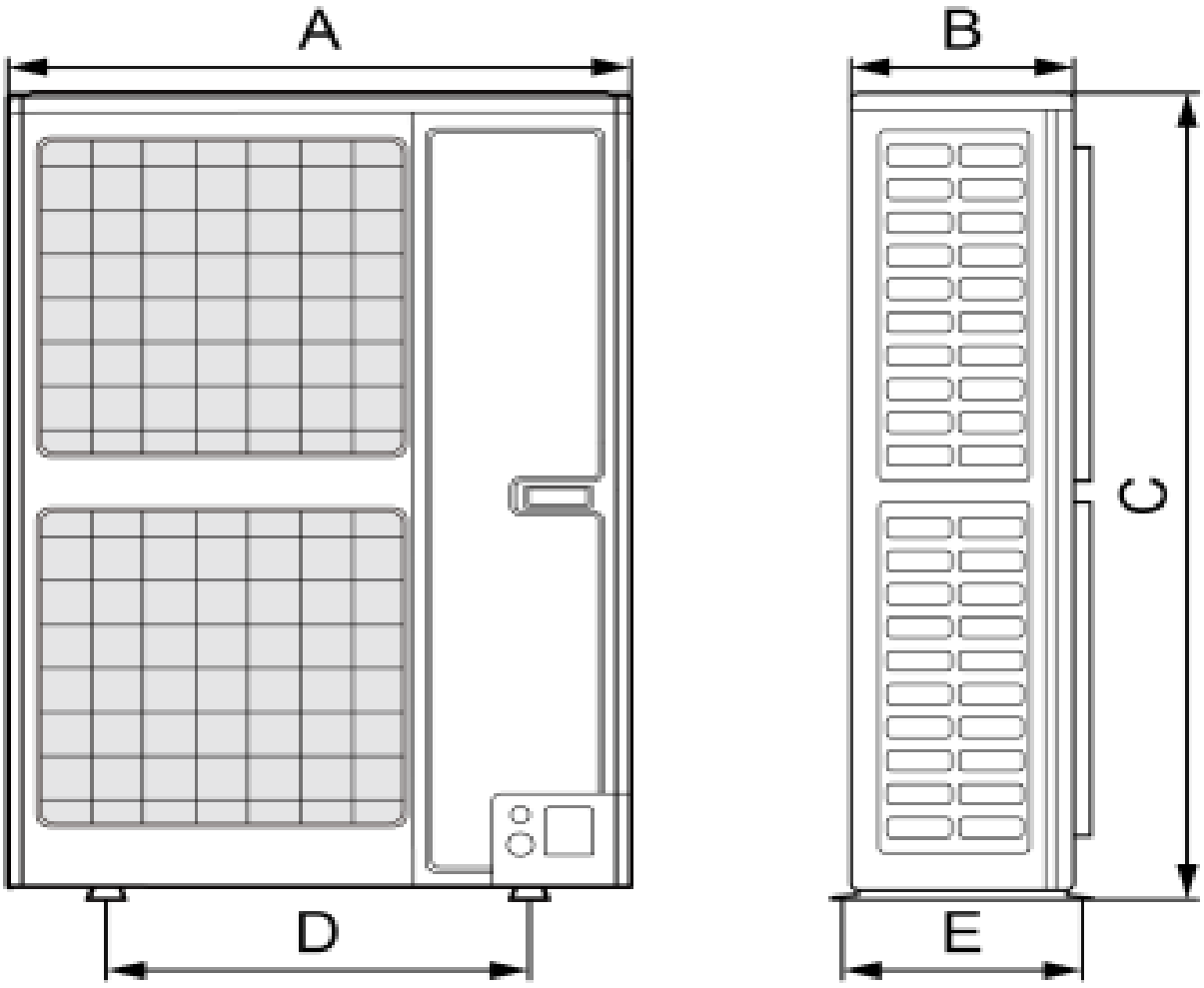
R32 INVERTER ETL Intertek AHRI CERTIFIED ENERGY STAR COLD CLIMATE

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Dimensions



Unit: mm(inch)

Model	A	B	C	D	E
TMV-V36WL/NhC-T(U)	900 (35-3/8)	340 (13-3/8)	1345 (53)	572 (22-1/2)	378 (14-7/8)
TMV-V48WL/NhC-T(U)					
TMV-V60WL/NhC-T(U)					

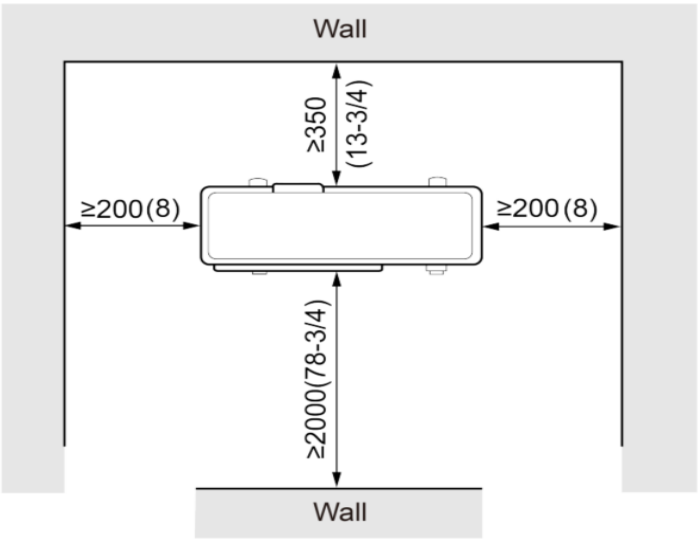
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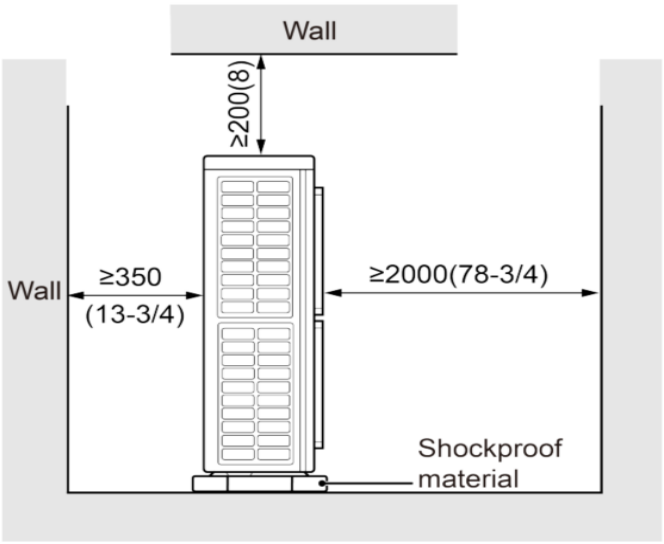
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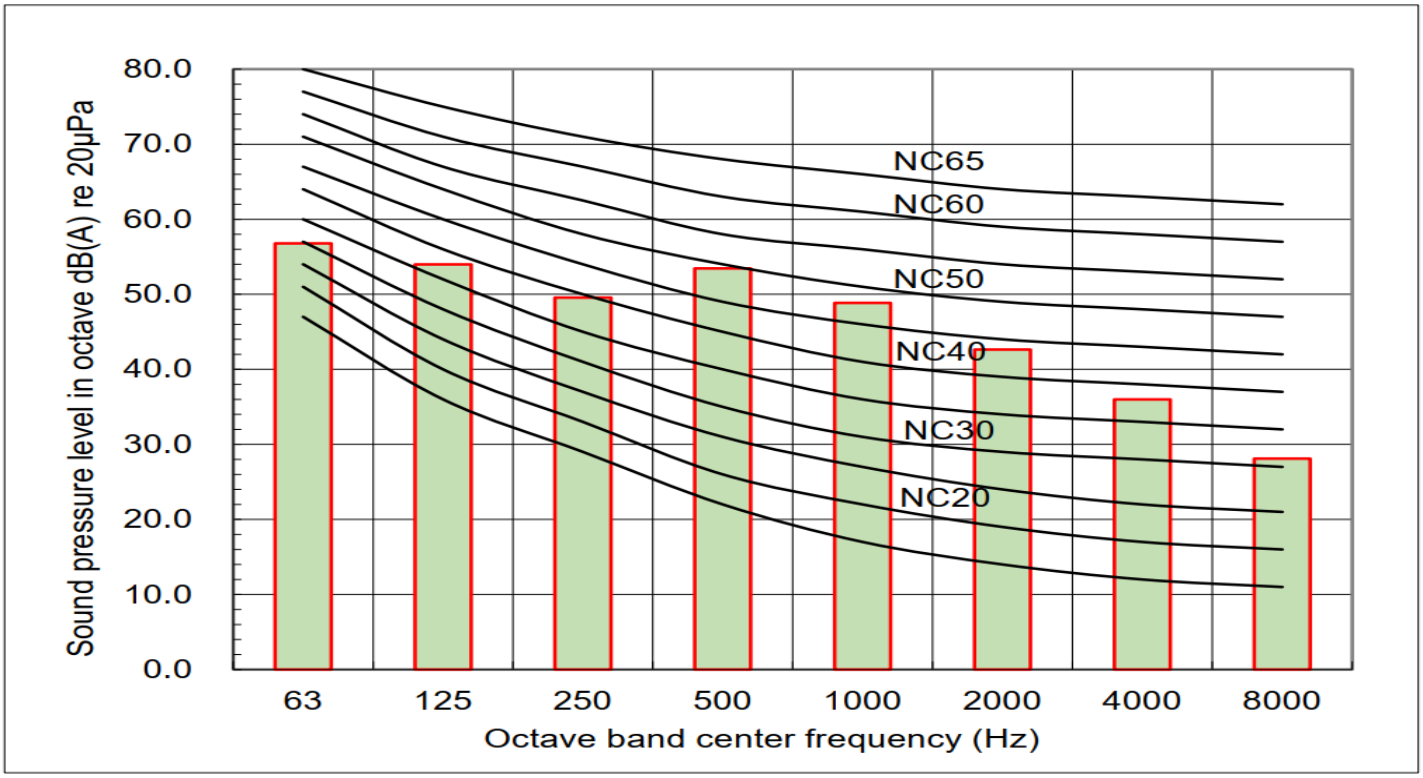
Unit: mm(inch)

Installation Clearance for Best Performance





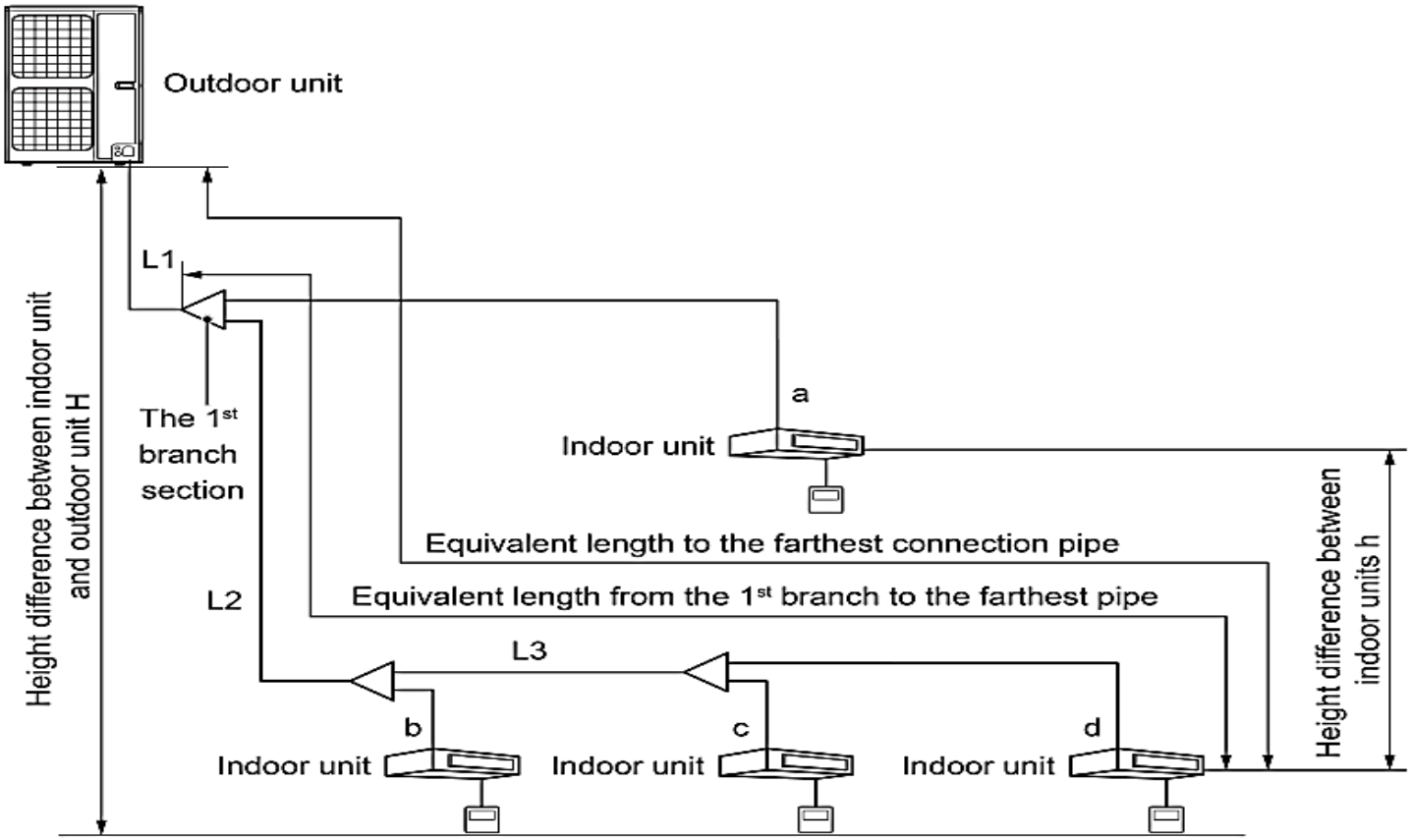
Acoustic Octave-band Sound Power Data



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		Fitting Pipe	TMV6 mini
Total Pipe Length		L1+L2+L3+ a+b+c+d	984ft / 300m
Pipe Length of ODU to Farthest IDU	Actual length	L1+L2+L3+d	262 ft / 80m
	Equivalent length※		328 ft / 100m
1st Branch to Farthest IDU		L2+L3+d	131ft / 40m
Height Difference (ODU higher than IDU)		-	164ft / 50m
Height Difference (ODU lower than IDU)		-	131ft / 40m
Height Difference (IDU to IDU)		-	49ft / 15m

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