



TOSOT

SUBMITTAL DATA

Multi Zone 21 Seer 42KBTU

Model: TM42R32MO

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



GENERAL FEATURES:

- R32 Refrigerant
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller Options
- Low Ambient Cooling down to -22°F (Range -22°F to 118°F)
- Low Ambient Heating down to -22°F (Range -22°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

Americo HVAC Supply LLC



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SPECIFICATIONS & FUNCTIONS:

Product Model		TM36R32MO
Cooling Capacity	Btu/h	42000
Min. Cooling Capacity	Btu/h	8870
Max. Cooling Capacity	Btu/h	44300
Heating Capacity	Btu/h	42000
Min. Heating Capacity	Btu/h	8870
Max. Heating Capacity	Btu/h	46000
EER	(Btu/h)/W	13.54
COP	(Btu/h)/W	13.54
SEER	--	21
HSPF	--	10
Air Flow Volume	CFM	3413
Sound Pressure Level	dB(A)	63
Sound Power Level	dB(A)	74
Rated Voltage	V ~	208/230
Rated Frequency	Hz	60
Phases	--	1
Cross-sectional Area of Power Cable Conductor	sq in	0.008215
Recommended Power Cable(Core)	N	3
Fuse Current	A	30
Cooling Power Input	kW	3.1
Max. Cooling Power Input	kW	5
Heating Power Input	kW	3.15
Max. Heating Power Input	kW	5.2
Cooling Current Input	A	13.47
Heating Current Input	A	13.7
Rated Current	A	21.73/22.6
Starting Current	A	5
Max. Over Current Protection	A	35
Min. Current (MCA)	A	29
Compressor Manufacturer	-	LANDA COMPRESSOR
Compressor Model	-	QXFS-D40zX070A
Compressor Type	-	Twin Rotary
Compressor Capacity	W	14630
Compressor Power Input	W	3621.28
Compressor RLA	A	7.5
Compressor Thermal Protector	-	KSD115°CHPC115/95U1
Compressor Refrigerant Oil Type	-	FW68DA or equivalent
Compressor Refrigerant Oil Charge Volume	L	1.35
Chassis Electrical Heater Power Input	W	96
Fan Type	-	Axial-flow
Fan Quantity	-	1
Motor Model	-	B-SWZ130E
Motor Type	-	DC motor
Motor Insulation Class	-	B
Motor Safe Class	-	IP44
Motor Full Load Amp(FLA)	A	2.8
Fan Motor Speed	r/min	cooling860/heating860
Fan Motor Power Output	W	130

Product Model		TM36R32MO
Condenser Material	-	Aluminum Fin-copper Tube
Condenser Face Area	Sq ft	9.04
Condenser Number of Rows	-	3
Condenser Fins per Inch(FPI)	-	16
Condenser Number of Circuits	-	7in-7out
Condenser Max. Allowable Pressure	P.S.I.G	1450
Permissible Excessive Operating Pressure for the Discharge Side	P.S.I.G	624
Permissible Excessive Operating Pressure for the Suction Side	P.S.I.G	362
Maximum Allowable Pressure	P.S.I.G	710
Cooling Operation Ambient Temperature Range	°F	-22-118
Heating Operation Ambient Temperature Range	°F	-22~75.2
Maximum drive IDU NO.	unit	5
Defrosting Method	-	Automatic Defrosting
Refrigerant	--	R32
Factory Refrigerant Charge	oz	95.24
GWP		675
Metering Device		Electronic expansion valve
Dimension of Outline(W)	inch	40 10/64
Dimension of Outline(D)	inch	16 52/64
Dimension of Outline(H)	inch	32 33/64
Dimension of Carton Box (L)	inch	42 58/64
Dimension of Carton Box (W)	inch	19 29/64
Dimension of Carton Box (H)	inch	34 16/64
Dimension of Package(L)	inch	43 2/64
Dimension of Package(W)	inch	19 36/64
Dimension of Package(H)	inch	34 54/64
Net Weight	lb	178.6
Gross Weight	lb	191.8
Connection Pipe Connection Method	-	Flare Connection
Not Additional Gas Connection Pipe Length	ft	164
Connection Pipe Gas Additional Charge	oz/ft.	0.2
Outer Diameter of Liquid Pipe(British System Allocation)	inch	1/4"
Outer Diameter of Gas Pipe(British System Allocation)	inch	3/8"
Connection Pipe Max. Height Distance(indoor and indoor)	ft	82.02
Connection Pipe Max. Height Distance(indoor and outdoor and indoor up)	ft	82.02
Connection Pipe Max. Height Distance(indoor and outdoor and outdoor up)	ft	82.02
Max. equivalent connection pipe length(outdoor to last indoor)	ft	82.02
Connection Pipe Max. Length Distance(total length)	ft	328.08
Low Ambient Cooling	-	YES
Low Voltage Startup	-	YES
Chassis With Electric Heater	-	YES



TQSDT

Outline and Physical Dimensions of TM18HMO.

