



TOSOT

SUBMITTAL DATA

Multi Zone 21 Seer 18KBTU

Model: TM18R32MO

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		TM18R32MO
Cooling Capacity	Btu/h	18000
Min. Cooling Capacity	Btu/h	7300
Max. Cooling Capacity	Btu/h	19800
Heating Capacity	Btu/h	18000
Min. Heating Capacity	Btu/h	7300
Max. Heating Capacity	Btu/h	19800
EER	(Btu/h)/W	12.86
COP	(Btu/h)/W	13.33
SEER	--	21
HSPF	--	10
Air Flow Volume	CFM	1354
Sound Pressure Level	dB(A)	54
Sound Power Level	dB(A)	61
Rated Voltage	V ~	208/230
Rated Frequency	Hz	60
Phases	--	1
Cross-sectional Area of Power Cable Conductor	sq in	0.0031
Recommended Power Cable(Core)	N	3
Fuse Current	A	25
Cooling Power Input	kW	1.4
Max. Cooling Power Input	kW	2.5
Heating Power Input	kW	1.35
Max. Heating Power Input	kW	2.5
Cooling Current Input	A	6.08
Heating Current Input	A	5.9
Rated Current	A	11
Starting Current	A	5
Max. Over Current Protection	A	20
Min. Current (MCA)	A	18.5
Compressor Trademark	-	GREE
Compressor Manufacturer	-	LANDA
Compressor Model	-	COMPRESSOR FTz-SM151AXB
Compressor Type	-	Twin Rotary
Compressor Capacity	W	5280
Compressor Power Input	W	1300
Compressor RLA	A	8
Compressor Thermal Protector	-	KSD115°C HPC115/95U1
Compressor Refrigerant Oil Type	-	FW68DA or equivalent
Compressor Refrigerant Oil Charge Volume	L	0.4
Chassis Electrical Heater Power Input	W	72
Fan Type	-	Axial-flow
Fan Quantity	-	1
Motor Model	-	FW30R-ZL(10P)
Motor Type	-	DC motor
Motor Insulation Class	-	E
Motor Safe Class	-	IP24
Motor Full Load Amp(FLA)	A	0.4
Fan Motor Speed	r/min	cooling860/heating900
Fan Motor Power Output	W	30

Product Model		TM18R32MO
Condenser Material	-	Aluminum Fin-copper Tube
Condenser Face Area	Sq ft	4.74
Condenser Number of Rows	-	2
Condenser Fins per Inch(FPI)	-	18
Condenser Number of Circuits	-	4in-4out
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	2
Defrosting Method	-	Automatic Defrosting
Climate Zone	-	Temperate Zone
Refrigerant	--	R32
Factory Refrigerant Charge	oz	31.8
GWP		675
Metering Device	-	Electronic expansion valve
Dimension of Outline(W)	inch	32 23/64
Dimension of Outline(D)	inch	13 55/64
Dimension of Outline(H)	inch	21 42/64
Dimension of Carton Box (L)	inch	34 14/64
Dimension of Carton Box (W)	inch	15 35/64
Dimension of Carton Box (H)	inch	23 25/64
Dimension of Package(L)	inch	34 21/64
Dimension of Package(W)	inch	15 43/64
Dimension of Package(H)	inch	24 26/64
Net Weight	lb	75
Gross Weight	lb	81.6
Connection Pipe Connection Method	-	Flare Connection
Not Additional Gas Connection Pipe Length	ft	32.81
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	49.21
Connection Pipe Max. Height Distance(indoor and outdoor and indoor up)	ft	49.21
Connection Pipe Max. Height Distance(indoor and outdoor and outdoor up)	ft	49.21
Max. equivalent connection pipe length(outdoor to last indoor)	ft	65.62
Connection Pipe Max. Length Distance(total length)	ft	131.23
Low Ambient Cooling	-	YES
Low Voltage Startup	-	YES
Chassis With Electric Heater	-	YES



TQSDT

Outline and Physical Dimensions of TM18HMO.

