

SUBMITTAL DATA

MUL18HP230V1R32AO
18000 BTU/H Multi-Zone Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submmited to	For	
Unit Designation	Schedule No.	



MUL18HP230V1R32AO

GENERAL FEATURES

- AHRI Certificate: [215218913 \(Non-Ducted\)](#)
- [215218918 \(Ducted\)](#)
- [215218923 \(Mixed\)](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Auto Restart on Power Outages
- Multi-point Diagnostics
- Wi-Fi Included (Factory Installed)
- 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

MULTI-ZONE COMPATIBILITY CHART

WALL MOUNT OPTIONS

	MULTI-ZONE					
	MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
LIVO						
System Model no.						
LIV05HP230V1R32AH	•	•	•	•	•	•
LIV07HP230V1R32AH	•	•	•	•	•	•
LIV09HP230V1R32AH	•	•	•	•	•	•
LIV12HP230V1R32AH	•	•	•	•	•	•
LIV18HP230V1R32AH		•	•	•	•	•
LIV24HP230V1R32AH			•	•	•	•
LIV30HP230V1R32AH						
LIV36HP230V1R32AH						
VIREO						
System Model no.						
VIR09HP230V1R32AH	•	•	•	•	•	•
VIR12HP230V1R32AH	•	•	•	•	•	•
VIR18HP230V1R32AH		•	•	•	•	•
VIR24HP230V1R32AH			•	•	•	•
ENVO						
System Model no.						
ENV09HP230V1R32AH	•	•	•	•	•	•
ENV12HP230V1R32AH	•	•	•	•	•	•
ENV18HP230V1R32AH		•	•	•	•	•
ENV24HP230V1R32AH			•	•	•	•
SAPPHIRE						
System Model no.						
SAP09HP230V1R32AH	•	•	•	•	•	•
SAP12HP230V1R32AH	•	•	•	•	•	•
SAP18HP230V1R32AH		•	•	•	•	•
SAP24HP230V1R32AH			•	•	•	•

ADDITIONAL INDOOR UNIT OPTIONS

	MULTI-ZONE					
	MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
ONE WAY CASSETTE						
System Model no.						
OWC09HP230V1R32AH	•	•	•	•	•	•
OWC12HP230V1R32AH	•	•	•	•	•	•
OWC18HP230V1R32AH		•	•	•	•	•
OWC20HP230V1R32AH			•	•	•	•
CEILING CASSETTE						
System Model no.						
CAS09HP230V1R32AH	•	•	•	•	•	•
CAS12HP230V1R32AH	•	•	•	•	•	•
CAS18HP230V1R32AH		•	•	•	•	•
CAS24HP230V1R32AH			•	•	•	•
SLIM DUCT						
System Model no.						
DUC09HP230V1R32AH	•	•	•	•	•	•
DUC12HP230V1R32AH	•	•	•	•	•	•
DUC18HP230V1R32AH		•	•	•	•	•
DUC24HP230V1R32AH			•	•	•	•
FLOOR/CEILING						
System Model no.						
FLR09HP230V1R32AH	•	•	•	•	•	•
FLR12HP230V1R32AH	•	•	•	•	•	•
FLR18HP230V1R32AH		•	•	•	•	•
FLR24HP230V1R32AH			•	•	•	•
MINI-CONSOLE						
CON09HP230V1R32AH	•	•	•	•	•	•
CON12HP230V1R32AH	•	•	•	•	•	•
CON18HP230V1R32AH		•	•	•	•	•

NOTE: R32 Indoor units are only compatible with R32 Outdoor units. Keep in mind, line set is always sized by the indoor unit valve diameter.

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			HEAT PUMP
Outdoor Model			MUL18HP230V1R32AO
Number of Zones			2
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	5,434 - 23,495
	Capacity @95°F	Btu/h	18,000
Heating Capacity	Min - Max	Btu/h	5,397 - 19,800
	Capacity @47°F	Btu/h	18,000
	Capacity @17°F	Btu/h	16,000
	Capacity Max @5°F	Btu/h	13,800
SEER2			21
EER2			12.0
HSPF2			10.0
COP @5°F			2.0
SYSTEM PERFORMANCE (Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	5,434 - 23,495
	Capacity @95°F	Btu/h	18,000
Heating Capacity	Min - Max	Btu/h	5,397 - 19,800
	Capacity @47°F	Btu/h	18,000
	Capacity @17°F	Btu/h	15,000
	Capacity Max @5°F	Btu/h	13,600
SEER2			18.0
EER2			11.7
HSPF2			8.1
COP @5°F			1.86
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	5,434 - 23,495
	Capacity @95°F	Btu/h	18,000
Heating Capacity	Min - Max	Btu/h	5,397 - 19,800
	Capacity @47°F	Btu/h	18,000
	Capacity @17°F	Btu/h	15,400
	Capacity Max @5°F	Btu/h	13,700
SEER2			19.0
EER2			11.8
HSPF2			9.0
COP @5°F			1.80
OUTDOOR UNIT			MUL18HP230V1R32AO
Cooling Temperature Range		°F	-22 - 118
Heating Temperature Range		°F	-22 - 75
Refrigerant Type			R32
Cmpressor Type			GREE G-20 / Double Cylinder / 1 - STAGE INVERTER
Sound Pressure Level		dB(A)	54
External Dimensions (W x H x D)			in 32-23/64 x 21-42/64 x 13-55/64
Package Dimension (W x H x D)			in 34-21/64 x 24-13/32 x 15-43/64
Net Weight		lbs	75.0
Gross Weight		lbs	81.6
REFRIGERANT PIPING			
Refrigerant Charge - R32		oz	31.8
Cmpressor Type			GREE G-20 / Double Cylinder / 1 - STAGE INVERTER
Additional Charge		oz/ft	0.2
Port Size (Liquid - Gas)	Port A (in)	1/4 - 3/8	
	Port B (in)	1/4 - 3/8	
	Port C (in)		
	Port D (in)		
	Port E (in)		
Pre-Charge Length		ft	33
Pipe Length (Min - Max)		ft	10 - 131
Pipe Length to furthest Indoor Unit		ft	66
Max. Pipe Elevation		ft	49

ELECTRICAL		
Power Supply		208-230V / 1Ph / 60Hz
Voltage Range (Min - Max)	VAC	187 - 253
Rated Current - Cooling	A	11
Rated Current - Heating	A	11
MCA	A	18.5
MOCP	A	20
Suggested Breaker Size	A	20
Main Power Wire Size	AWG	Per Local Code
Interconnecting Wire Size	AWG	14 / 4
FEATURES & FUNCTIONS SUMMARY		
Inverter Type	G20	
Ultra Low Frequency Torque Control	Yes	
Compressor Type - Inverter	Yes	
Basepan With Electric Heater	High Efficiency Rotary	
Indoor & Outdoor Fin Coating (Blue Fin)	Yes	
Intelligent Defrosting	Yes	
Intelligent Preheating	Yes	
Low Voltage Startup	Yes	
Memory/Power Failure Recovery	Yes	
Self Diagnosis	Yes	

ALLOWABLE COMBINATIONS CAPACITIES

MODEL NUMBER	POSSIBLE COMBINATIONS*	COOLING CAPACITY (Btu/h)					HEATING CAPACITY (Btu/h)				
		ZONE1	ZONE2	ZONE3	ZONE4	ZONE5	ZONE1	ZONE2	ZONE3	ZONE4	ZONE5
MUL18HP230V1R32AO	5K+5K	5,000	5,000				6,000	6,000			
MUL18HP230V1R32AO	7K+7K	7,000	7,000				8,000	8,000			
MUL18HP230V1R32AO	5K+7K	5,000	7,000				6,000	8,000			
MUL18HP230V1R32AO	9K+9K	9,000	9,000				9,000	9,000			
MUL18HP230V1R32AO	9K+12K	7,714	10,286				7,714	10,286			
MUL18HP230V1R32AO	12K+12K	9,000	9,000				9,000	9,000			

Outdoor Unit & Possible Indoor Unit Combinations with AHRI Certified Performance

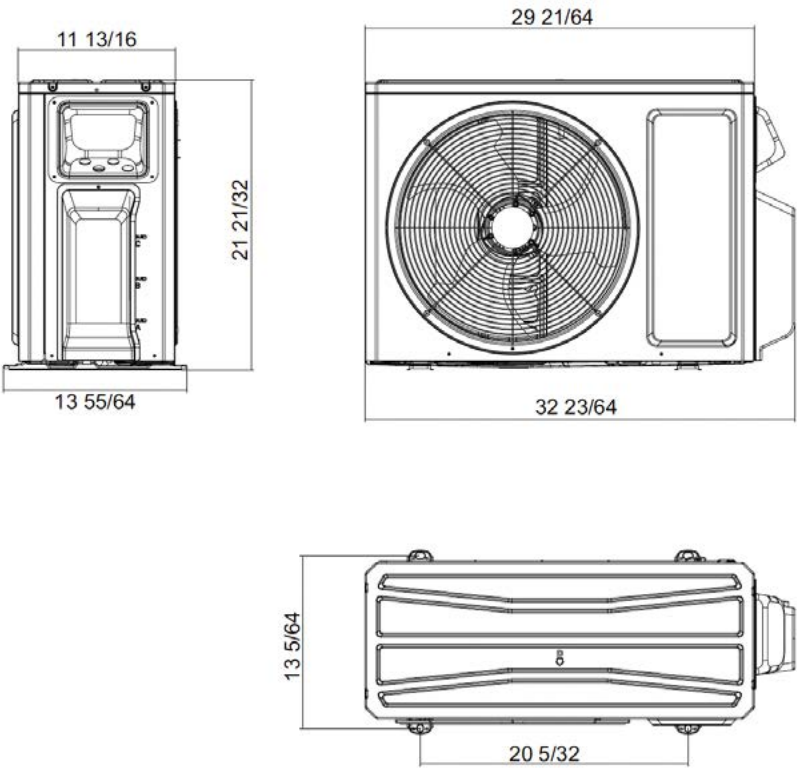
*You may substitute the 9K unit with a 5K or 7K High Wall unit, find complete capacity information in the extended ratings chart.

DIMENSIONS

OUTDOOR UNIT

Unit: inch

MUL18HP230V1R32AO
DIMENSIONS

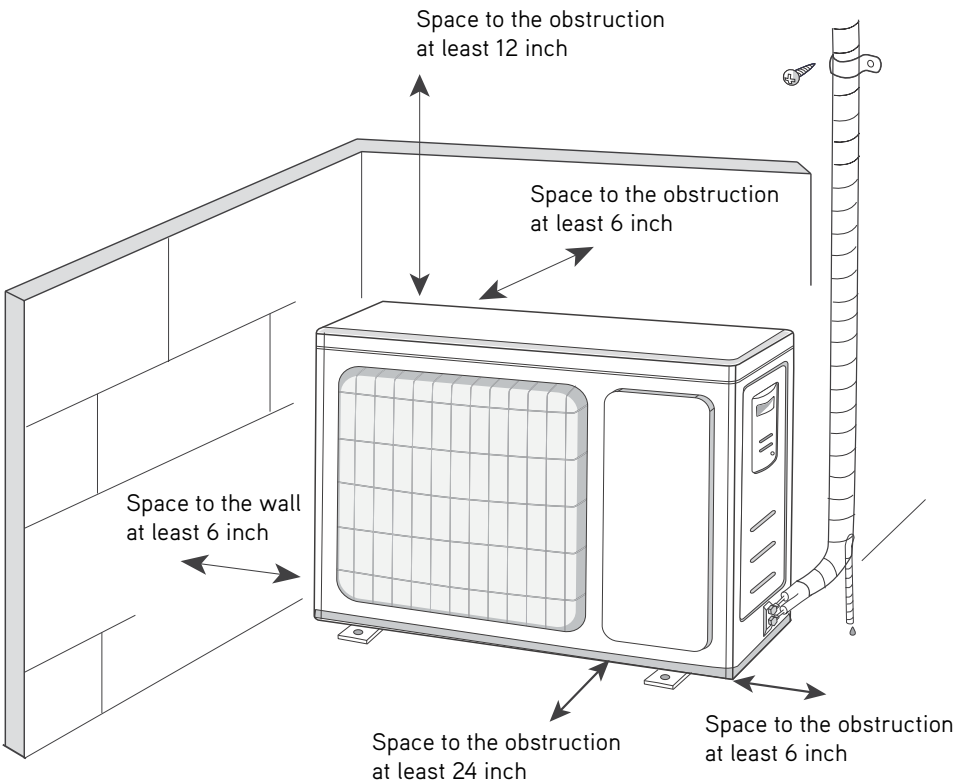


CLEARANCES

OUTDOOR UNIT

Minimum clearance

NOTE:
If bottom of the unit is free of airflow obstructions similar to the mounting bracket figure, the clearance to the wall on the back can be reduced to 3 inches.



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