

SUBMITTAL DATA

MUL36HP230V1R32AO
36000 BTU/H Multi-Zone Heat Pump System

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



MUL36HP230V1R32AO

GENERAL FEATURES

- AHRI Certificate: [215218916 \(Non-Ducted\)](#)
- [215218921 \(Ducted\)](#)
- [215218926 \(Mixed\)](#)
- 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			MUL36HP230V1R32AO
Number of Zones			2 - 4
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	8,870 - 40,900
	Rated Capacity @95°F	Btu/h	36,000
Heating Capacity	Min - Max	Btu/h	8,870 - 51,180
	Rated Capacity @47°F	Btu/h	36,000
	Rated Capacity @17°F	Btu/h	36,000
	Rated Capacity @5°F	Btu/h	36,000
SEER2			21
EER2			12.0
HSPF2			10.0
COP @5°F			2.10
SYSTEM PERFORMANCE (Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	8,870 - 40,900
	Rated Capacity @95°F	Btu/h	36,000
Heating Capacity	Min - Max	Btu/h	8,870 - 51,180
	Rated Capacity @47°F	Btu/h	36,000
	Rated Capacity @17°F	Btu/h	36,000
	Rated Capacity @5°F	Btu/h	33,000
SEER2			18.0
EER2			11.7
HSPF2			8.1
COP @5°F			1.90
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	8,870 - 40,900
	Rated Capacity @95°F	Btu/h	36,000
Heating Capacity	Min - Max	Btu/h	8,870 - 51,180
	Rated Capacity @47°F	Btu/h	36,000
	Rated Capacity @17°F	Btu/h	36,000
	Rated Capacity @5°F	Btu/h	34,000
SEER2			19.0
EER2			11.8
HSPF2			9.0
COP @5°F			1.84
OUTDOOR UNIT			MUL36HP230V1R32AO
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)	59
External Dimensions (W x H x D)		in	40-10/64 x 32-33/64 x 16-52/64
Package Dimension (W x H x D)		in	43-1/32 x 34-27/32 x 19-9/16
Net Weight		lbs	173.1
Gross Weight		lbs	188.5
REFRIGERANT PIPING			
Refrigerant Charge - R32		oz	95.256
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)	1/4 - 3/8
	Port D (in)	1/4 - 3/8
	Port E (in)	
Pre-Charge Length		ft 131
Pipe Length (Min - Max)		ft 10 - 263
Pipe Length to furthest Indoor Unit		ft 82
Max. Pipe Elevation		ft 82
ELECTRICAL		
Power Supply		208-230V / 1Ph / 60Hz
Voltage Range (Min - Max)		VAC 187 - 253
Rated Current - Cooling		A 21.7
Rated Current - Heating		A 22.6
MOCP		A 35
MCA		A 30
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
MUL36HP230V1R32AO	7K+7K+7K	7,000	7,000	7,000			8,000	8,000	8,000		
MUL36HP230V1R32AO	5K+7K+7K	5,000	7,000	7,000			6,000	8,000	8,000		
MUL36HP230V1R32AO	5K+5K+5K+5K	5,000	5,000	5,000	5,000		6,000	6,000	6,000	6,000	
MUL36HP230V1R32AO	7K+7K+7K+7K	7,000	7,000	7,000	7,000		8,000	8,000	8,000	8,000	
MUL36HP230V1R32AO	5K+5K+5K+7K	5,000	5,000	5,000	7,000		6,000	6,000	6,000	8,000	
MUL36HP230V1R32AO	5K+5K+7K+7K	5,000	5,000	7,000	7,000		6,000	6,000	8,000	8,000	
MUL36HP230V1R32AO	5K+7K+7K+7K	5,000	7,000	7,000	7,000		6,000	8,000	8,000	8,000	
MUL36HP230V1R32AO	9K+9K	9,000	9,000				9,000	9,000			
MUL36HP230V1R32AO	9K+12K	9,000	12,000				9,000	12,000			
MUL36HP230V1R32AO	9K+18K	9,000	18,000				9,000	18,000			
MUL36HP230V1R32AO	9K+24K	9,000	24,000				9,000	24,000			
MUL36HP230V1R32AO	12K+12K	12,000	12,000				12,000	12,000			
MUL36HP230V1R32AO	12K+18K	12,000	18,000				12,000	18,000			
MUL36HP230V1R32AO	12K+24K	12,000	24,000				12,000	24,000			
MUL36HP230V1R32AO	18K+18K	18,000	18,000				18,000	18,000			
MUL36HP230V1R32AO	18K+24K	15,429	20,571				15,429	20,571			
MUL36HP230V1R32AO	21K+24K	16,800	19,200				16,800	19,200			
MUL36HP230V1R32AO	24K+24K	18,000	18,000				18,000	18,000			
MUL36HP230V1R32AO	9K+9K+9K	9,000	9,000	9,000			9,000	9,000	9,000		
MUL36HP230V1R32AO	9K+9K+12K	9,000	9,000	12,000			9,000	9,000	12,000		
MUL36HP230V1R32AO	9K+9K+18K	9,000	9,000	18,000			9,000	9,000	18,000		
MUL36HP230V1R32AO	9K+9K+24K	7,714	7,714	20,571			7,714	7,714	20,571		
MUL36HP230V1R32AO	9K+12K+12K	9,000	12,000	12,000			9,000	12,000	12,000		
MUL36HP230V1R32AO	9K+12K+18K	8,308	11,077	16,615			8,308	11,077	16,615		
MUL36HP230V1R32AO	9K+12K+24K	7,200	9,600	19,200			7,200	9,600	19,200		
MUL36HP230V1R32AO	9K+18K+18K	7,200	14,400	14,400			7,200	14,400	14,400		
MUL36HP230V1R32AO	9K+18K+24K	6,353	12,706	16,941			6,353	12,706	16,941		
MUL36HP230V1R32AO	9K+21K+24K	6,000	14,000	16,000			6,000	14,000	16,000		
MUL36HP230V1R32AO	12K+12K+12K	12,000	12,000	12,000			12,000	12,000	12,000		
MUL36HP230V1R32AO	12K+12K+18K	10,286	10,286	15,429			10,286	10,286	15,429		
MUL36HP230V1R32AO	12K+12K+24K	9,000	9,000	18,000			9,000	9,000	18,000		
MUL36HP230V1R32AO	12K+18K+18K	9,000	13,500	13,500			9,000	13,500	13,500		
MUL36HP230V1R32AO	12K+18K+24K	8,000	12,000	16,000			8,000	12,000	16,000		
MUL36HP230V1R32AO	18K+18K+18K	12,000	12,000	12,000			12,000	12,000	12,000		
MUL36HP230V1R32AO	9K+9K+9K+9K	9,000	9,000	9,000	9,000		9,000	9,000	9,000	9,000	
MUL36HP230V1R32AO	9K+9K+9K+12K	8,308	8,308	8,308	11,077		8,308	8,308	8,308	11,077	
MUL36HP230V1R32AO	9K+9K+9K+18K	7,200	7,200	7,200	14,400		7,200	7,200	7,200	14,400	
MUL36HP230V1R32AO	9K+9K+9K+24K	6,353	6,353	6,353	16,941		6,353	6,353	6,353	16,941	
MUL36HP230V1R32AO	9K+9K+12K+12K	7,714	7,714	10,286	10,286		7,714	7,714	10,286	10,286	
MUL36HP230V1R32AO	9K+9K+12K+18K	6,750	6,750	9,000	13,500		6,750	6,750	9,000	13,500	
MUL36HP230V1R32AO	9K+9K+12K+24K	6,000	6,000	8,000	16,000		6,000	6,000	8,000	16,000	
MUL36HP230V1R32AO	9K+9K+18K+18K	6,000	6,000	12,000	12,000		6,000	6,000	12,000	12,000	
MUL36HP230V1R32AO	9K+12K+12K+12K	7,200	9,600	9,600	9,600		7,200	9,600	9,600	9,600	
MUL36HP230V1R32AO	9K+12K+12K+18K	6,353	8,471	8,471	12,706		6,353	8,471	8,471	12,706	
MUL36HP230V1R32AO	12K+12K+12K+12K	9,000	9,000	9,000	9,000		9,000	9,000	9,000	9,000	
MUL36HP230V1R32AO	12K+12K+12K+18K	8,000	8,000	8,000	12,000		8,000	8,000	8,000	12,000	

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.

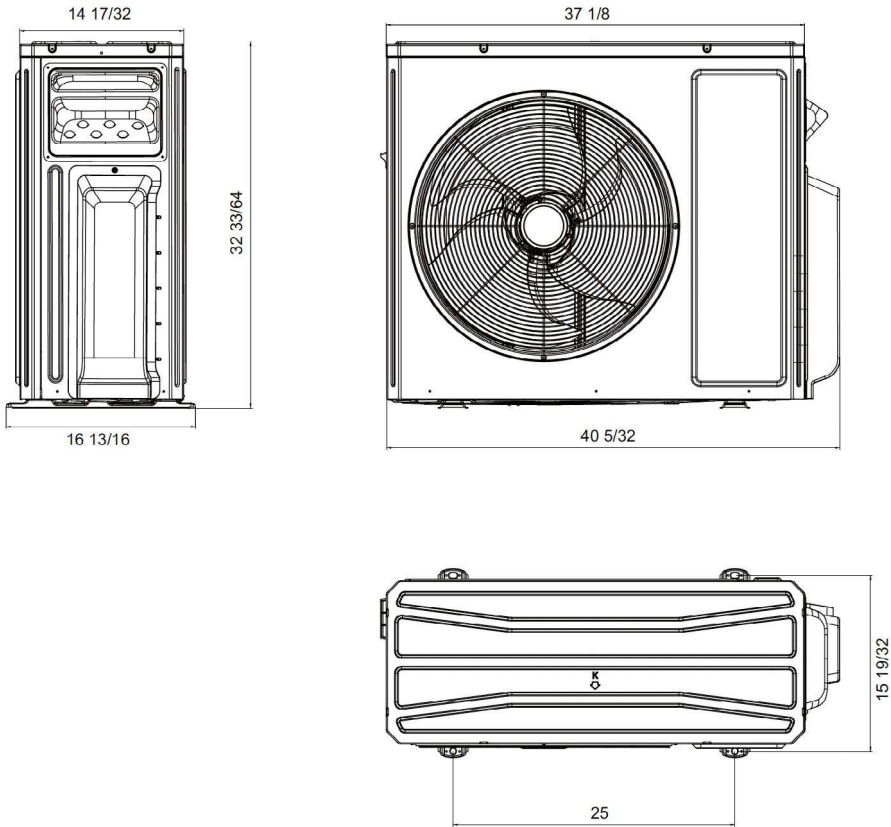
DIMENSIONS

OUTDOOR UNIT

Unit: inch

MUL36HP230V1R32AO

DIMENSIONS

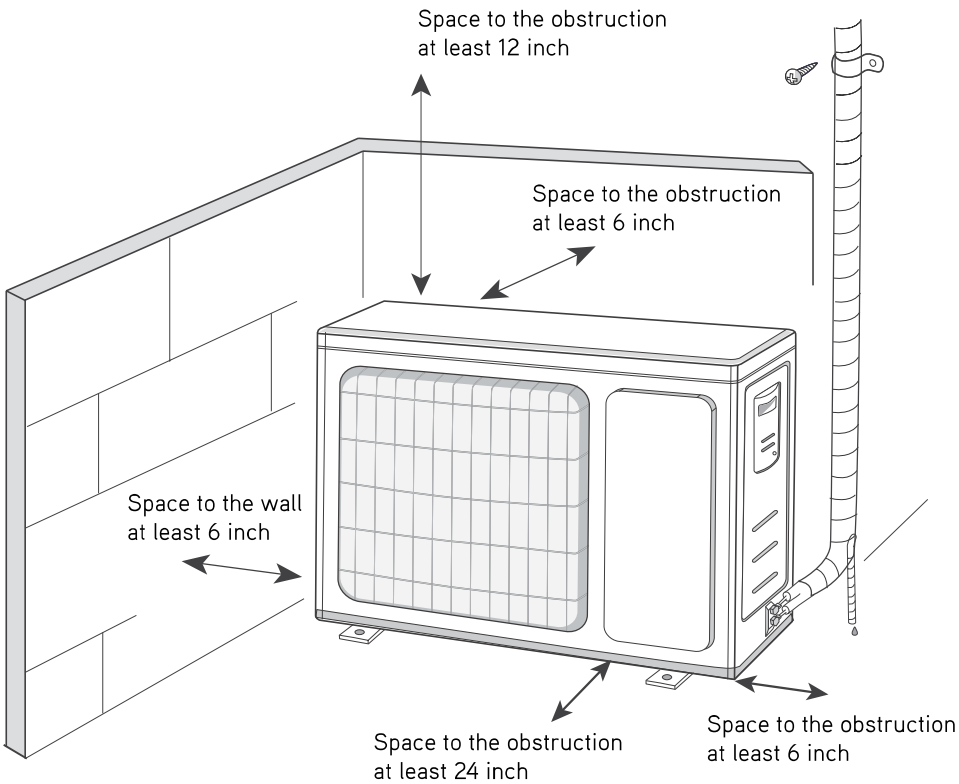


CLEARANCES

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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