

SUBMITTAL DATA

MUL42HPJ132OA
42000 BTU/H Multi Zone+ Heat Pump System

Job Name

Purchaser

Submmited to

Unit Designation

Location

Date

Engineer

For

Schedule No.



GENERAL FEATURES

- AHRI Certificate: [215424772 \(Non-Ducted\)](#)
- [215424777 \(Ducted\)](#)
- [215424782 \(Mixed\)](#)
- 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				
	MUL18HPJ132OA	MUL24HPJ132OA	MUL30HPJ132OA	MUL36HPJ132OA	MUL42HPJ132OA
BRISA					
System Model no.					
BRS09HPJ132IA	•	•	•	•	•
BRS12HPJ132IA	•	•	•	•	•
BRS18HPJ132IA		•	•	•	•
BRS24HPJ132IA			•	•	•
BRS30HPJ132IA					
BRS36HPJ132IA					
KULA					
System Model no.					
KUL09HPJ132IA	•	•	•	•	•
KUL12HPJ132IA	•	•	•	•	•
KUL18HPJ132IA		•	•	•	•
KUL24HPJ132IA			•	•	•

ADDITIONAL INDOOR UNIT OPTIONS

	MULTI ZONE				
	MUL18HPJ132OA	MUL24HPJ132OA	MUL30HPJ132OA	MUL36HPJ132OA	MUL42HPJ132OA
ONE WAY CASSETTE					
System Model no.					
OWC09HPJ132IA	•	•	•	•	•
OWC12HPJ132IA	•	•	•	•	•
OWC18HPJ132IA		•	•	•	•
OWC20HPJ132IA			•	•	•
CEILING CASSETTE					
System Model no.					
CAS09HPJ132IA	•	•	•	•	•
CAS12HPJ132IA	•	•	•	•	•
CAS18HPJ132IA		•	•	•	•
CAS24HPJ132IA			•	•	•
SLIM DUCT					
System Model no.					
DUC09HPJ132IA	•	•	•	•	•
DUC12HPJ132IA	•	•	•	•	•
DUC18HPJ132IA		•	•	•	•
DUC24HPJ132IA			•	•	•
FLOOR / CEILING					
System Model no.					
FLR09HPJ132IA	•	•	•	•	•
FLR12HPJ132IA	•	•	•	•	•
FLR18HPJ132IA		•	•	•	•
FLR24HPJ132IA			•	•	•
MINI-CONSOLE					
System Model no.					
CON09HPJ132IA	•	•	•	•	•
CON12HPJ132IA	•	•	•	•	•
CON18HPJ132IA		•	•	•	•

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			MUL42HPJ132OA
Number of Zones			2 - 5
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	11,765 - 53,799
	Capacity @95°F	Btu/h	42,000
Heating Capacity	Min - Max	Btu/h	14,007 - 46,200
	Capacity @47°F	Btu/h	42,000
	Capacity @17°F	Btu/h	40,000
	Capacity Max @5°F	Btu/h	37,800
SEER2			21
EER2			13.0
HSPF2			10.0
COP @5°F			2.10
SYSTEM PERFORMANCE (Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	11,765 - 53,799
	Capacity @95°F	Btu/h	42,000
Heating Capacity	Min - Max	Btu/h	14,007 - 46,200
	Capacity @47°F	Btu/h	42,000
	Capacity @17°F	Btu/h	40,000
	Capacity Max @5°F	Btu/h	36,000
SEER2			18.0
EER2			12.0
HSPF2			8.1
COP @5°F			1.90
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	11,765 - 53,799
	Capacity @95°F	Btu/h	42,000
Heating Capacity	Min - Max	Btu/h	14,007 - 46,200
	Capacity @47°F	Btu/h	42,000
	Capacity @17°F	Btu/h	40,000
	Capacity Max @5°F	Btu/h	37,000
SEER2			19.0
EER2			12.2
HSPF2			9.0
COP @5°F			1.84
OUTDOOR UNIT			MUL42HPJ132OA
Cooling Temperature Range	°F	-22 - 118	
Heating Temperature Range	°F	-22 - 75	
Refrigerant Type			R32
Cmpressor Type			G-20 / Double Cylinder / 1 - STAGE INVERTER
Sound Pressure Level	dB(A)	63	
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	178.6	
Gross Weight	lbs	191.8	

REFRIGERANT PIPING		
Refrigerant Charge - R32	oz	95.24
Cmpressor Type		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)	1/4 - 3/8
Pre-Charge Length	ft	164
Pipe Length (Min - Max)	ft	10 - 328
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
MCA	A	29
MOCP	A	35
Suggested Breaker Size	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
MUL42HPJ132OA	7K+7K+7K	7,000	7,000	7,000			8,000	8,000	8,000		
MUL42HPJ132OA	7K+7K+7K+7K	7,000	7,000	7,000	7,000		8,000	8,000	8,000	8,000	
MUL42HPJ132OA	5K+5K+5K+7K	5,000	5,000	5,000	7,000		6,000	6,000	6,000	8,000	
MUL42HPJ132OA	5K+5K+7K+7K	5,000	5,000	7,000	7,000		6,000	6,000	8,000	8,000	
MUL42HPJ132OA	5K+7K+7K+7K	5,000	7,000	7,000	7,000		6,000	8,000	8,000	8,000	
MUL42HPJ132OA	5K+5K+5K+5K+5K	5,000	5,000	5,000	5,000	5,000	6,000	6,000	6,000	6,000	6,000
MUL42HPJ132OA	7K+7K+7K+7K+7K	7,000	7,000	7,000	7,000	7,000	8,000	8,000	8,000	8,000	8,000
MUL42HPJ132OA	5K+5K+5K+5K+7K	5,000	5,000	5,000	5,000	7,000	6,000	6,000	6,000	6,000	8,000
MUL42HPJ132OA	5K+5K+5K+7K+7K	5,000	5,000	5,000	7,000	7,000	6,000	6,000	6,000	8,000	8,000
MUL42HPJ132OA	5K+5K+7K+7K+7K	5,000	5,000	7,000	7,000	7,000	6,000	6,000	8,000	8,000	8,000
MUL42HPJ132OA	5K+7K+7K+7K+7K	5,000	7,000	7,000	7,000	7,000	6,000	8,000	8,000	8,000	8,000
MUL42HPJ132OA	9K+12K	9,000	12,000				9,000	12,000			
MUL42HPJ132OA	9K+18K	9,000	18,000				9,000	18,000			
MUL42HPJ132OA	9K+24K	9,000	24,000				9,000	24,000			
MUL42HPJ132OA	12K+12K	12,000	12,000				12,000	12,000			
MUL42HPJ132OA	12K+18K	12,000	18,000				12,000	18,000			
MUL42HPJ132OA	12K+24K	12,000	24,000				12,000	24,000			
MUL42HPJ132OA	18K+18K	18,000	18,000				18,000	18,000			
MUL42HPJ132OA	18K+24K	15,429	20,571				17,143	22,857			
MUL42HPJ132OA	24K+24K	18,000	18,000				20,000	20,000			
MUL42HPJ132OA	9K+9K+9K	9,000	9,000	9,000			9,000	9,000	9,000		
MUL42HPJ132OA	9K+9K+12K	9,000	9,000	12,000			9,000	9,000	12,000		
MUL42HPJ132OA	9K+9K+18K	9,000	9,000	18,000			9,000	9,000	18,000		
MUL42HPJ132OA	9K+9K+24K	7,714	7,714	20,571			8,571	8,571	22,857		
MUL42HPJ132OA	9K+12K+12K	9,000	12,000	12,000			9,000	12,000	12,000		
MUL42HPJ132OA	9K+12K+18K	8,308	11,077	16,615			9,000	12,000	18,000		
MUL42HPJ132OA	9K+12K+24K	7,200	9,600	19,200			8,000	10,667	21,333		
MUL42HPJ132OA	9K+18K+18K	7,200	14,400	14,400			8,000	16,000	16,000		
MUL42HPJ132OA	9K+18K+24K	6,353	12,706	16,941			7,059	14,118	18,824		
MUL42HPJ132OA	9K+24K+24K	5,684	15,158	15,158			6,316	16,842	16,842		
MUL42HPJ132OA	12K+12K+12K	12,000	12,000	12,000			12,000	12,000	12,000		
MUL42HPJ132OA	12K+12K+18K	10,286	10,286	15,429			11,429	11,429	17,143		
MUL42HPJ132OA	12K+12K+24K	9,000	9,000	18,000			10,000	10,000	20,000		
MUL42HPJ132OA	12K+18K+18K	9,000	13,500	13,500			10,000	15,000	15,000		
MUL42HPJ132OA	12K+18K+24K	8,000	12,000	16,000			8,889	13,333	17,778		
MUL42HPJ132OA	12K+24K+24K	7,200	14,400	14,400			8,000	16,000	16,000		
MUL42HPJ132OA	18K+18K+18K	12,000	12,000	12,000			13,333	13,333	13,333		
MUL42HPJ132OA	18K+18K+24K	10,800	10,800	14,400			12,000	12,000	16,000		
MUL42HPJ132OA	9K+9K+9K+9K	9,000	9,000	9,000	9,000		9,000	9,000	9,000	9,000	
MUL42HPJ132OA	9K+9K+9K+12K	8,308	8,308	8,308	11,077		9,000	9,000	9,000	12,000	
MUL42HPJ132OA	9K+9K+9K+18K	7,200	7,200	7,200	14,400		8,000	8,000	8,000	16,000	
MUL42HPJ132OA	9K+9K+9K+24K	6,353	6,353	6,353	16,941		7,059	7,059	7,059	18,824	
MUL42HPJ132OA	9K+9K+12K+12K	7,714	7,714	10,286	10,286		8,571	8,571	11,429	11,429	
MUL42HPJ132OA	9K+9K+12K+18K	6,750	6,750	9,000	13,500		7,500	7,500	10,000	15,000	
MUL42HPJ132OA	9K+9K+12K+24K	6,000	6,000	8,000	16,000		6,667	6,667	8,889	17,778	
MUL42HPJ132OA	9K+9K+18K+18K	6,000	6,000	12,000	12,000		6,667	6,667	13,333	13,333	

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
MUL42HPJ132OA	9K+9K+18K+24K	5,400	5,400	10,800	14,400		6,000	6,000	12,000	16,000	
MUL42HPJ132OA	9K+12K+12K+12K	7,200	9,600	9,600	9,600		8,000	10,667	10,667	10,667	
MUL42HPJ132OA	9K+12K+12K+18K	6,353	8,471	8,471	12,706		7,059	9,412	9,412	14,118	
MUL42HPJ132OA	9K+12K+12K+24K	5,684	7,579	7,579	15,158		6,316	8,421	8,421	16,842	
MUL42HPJ132OA	9K+12K+18K+18K	5,684	7,579	11,368	11,368		6,316	8,421	12,632	12,632	
MUL42HPJ132OA	9K+12K+18K+24K	5,143	6,857	10,286	13,714		5,714	7,619	11,429	15,238	
MUL42HPJ132OA	9K+18K+18K+18K	5,143	10,286	10,286	10,286		5,714	11,429	11,429	11,429	
MUL42HPJ132OA	12K+12K+12K+12K	9,000	9,000	9,000	9,000		10,000	10,000	10,000	10,000	
MUL42HPJ132OA	12K+12K+12K+18K	8,000	8,000	8,000	12,000		8,889	8,889	8,889	13,333	
MUL42HPJ132OA	12K+12K+12K+24K	7,200	7,200	7,200	14,400		8,000	8,000	8,000	16,000	
MUL42HPJ132OA	12K+12K+18K+18K	7,200	7,200	10,800	10,800		8,000	8,000	12,000	12,000	
MUL42HPJ132OA	9K+9K+9K+9K+9K	7,200	7,200	7,200	7,200	7,200	8,000	8,000	8,000	8,000	8,000
MUL42HPJ132OA	9K+9K+9K+9K+12K	6,750	6,750	6,750	6,750	9,000	7,500	7,500	7,500	7,500	10,000
MUL42HPJ132OA	9K+9K+9K+9K+18K	6,000	6,000	6,000	6,000	12,000	6,667	6,667	6,667	6,667	13,333
MUL42HPJ132OA	9K+9K+9K+9K+24K	5,400	5,400	5,400	5,400	14,400	6,000	6,000	6,000	6,000	16,000
MUL42HPJ132OA	9K+9K+9K+12K+12K	6,353	6,353	6,353	8,471	8,471	7,059	7,059	7,059	9,412	9,412
MUL42HPJ132OA	9K+9K+9K+12K+18K	5,684	5,684	5,684	7,579	11,368	6,316	6,316	6,316	8,421	12,632
MUL42HPJ132OA	9K+9K+9K+12K+24K	5,143	5,143	5,143	6,857	13,714	5,714	5,714	5,714	7,619	15,238
MUL42HPJ132OA	9K+9K+9K+18K+18K	5,143	5,143	5,143	10,286	10,286	5,714	5,714	5,714	11,429	11,429
MUL42HPJ132OA	9K+9K+12K+12K+12K	6,000	6,000	8,000	8,000	8,000	6,667	6,667	8,889	8,889	8,889
MUL42HPJ132OA	9K+9K+12K+12K+18K	5,400	5,400	7,200	7,200	10,800	6,000	6,000	8,000	8,000	12,000
MUL42HPJ132OA	9K+12K+12K+12K+12K	5,684	7,579	7,579	7,579	7,579	6,316	8,421	8,421	8,421	8,421
MUL42HPJ132OA	9K+12K+12K+12K+18K	5,143	6,857	6,857	6,857	10,286	5,714	7,619	7,619	7,619	11,429
MUL42HPJ132OA	12K+12K+12K+12K+12K	7,200	7,200	7,200	7,200	7,200	8,000	8,000	8,000	8,000	8,000

Outdoor Unit & Possible Indoor Unit Combinations with AHRI Certified Performance

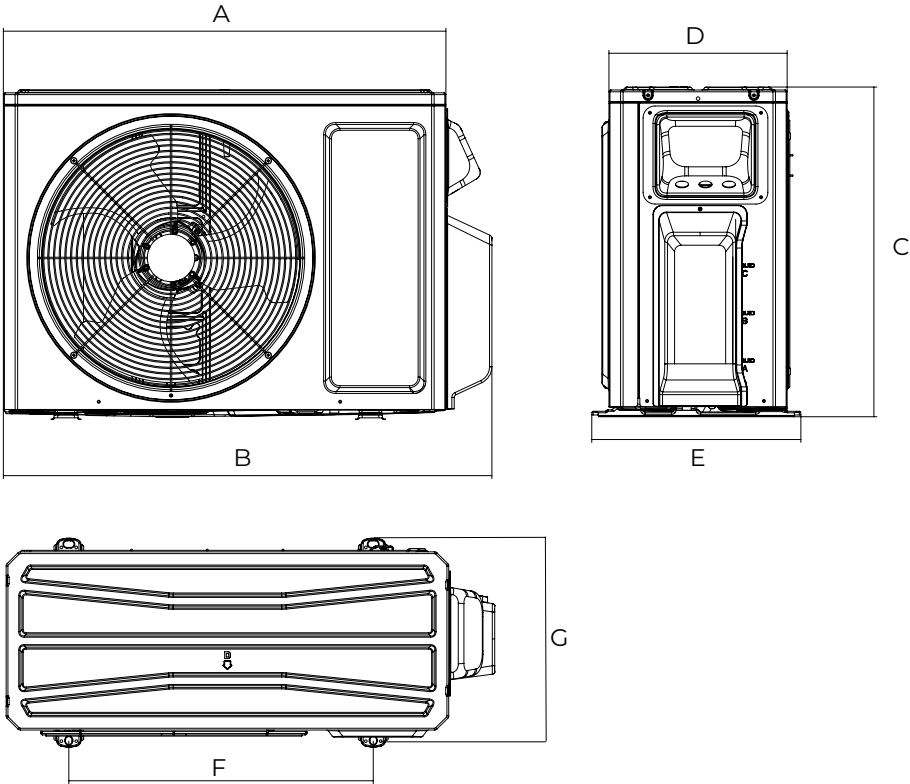
*You may substitute the 9K unit with a 5K or 7K High Wall unit, find complete capacity information in the extended ratings chart.

DIMENSIONS

OUTDOOR UNIT

Unit: inch

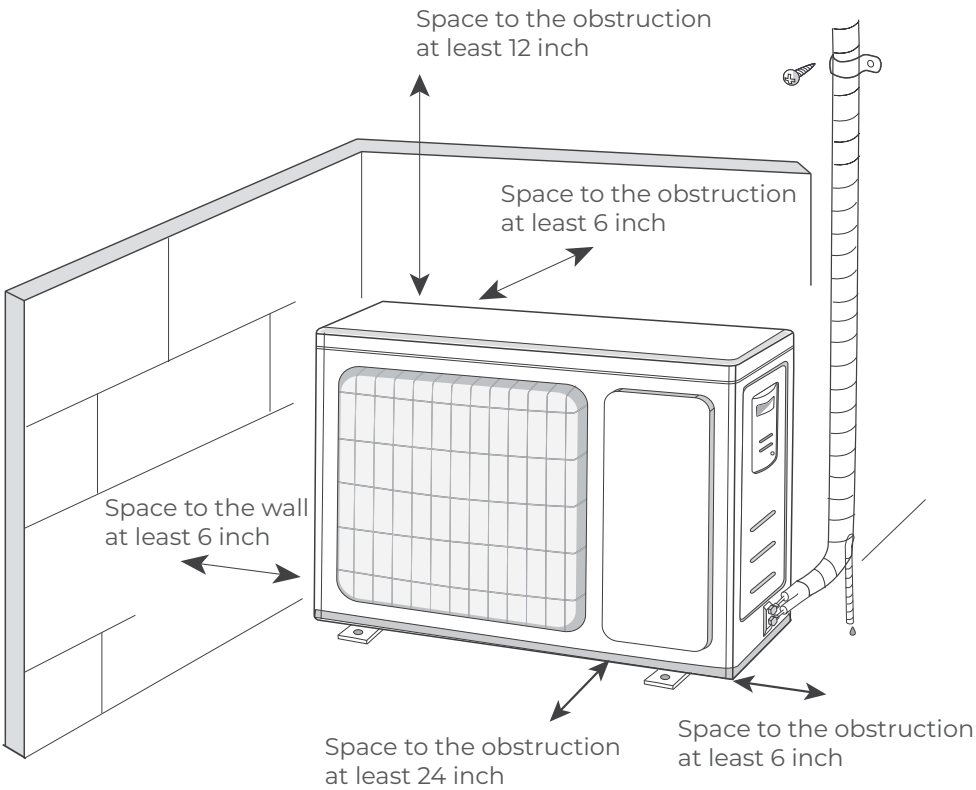
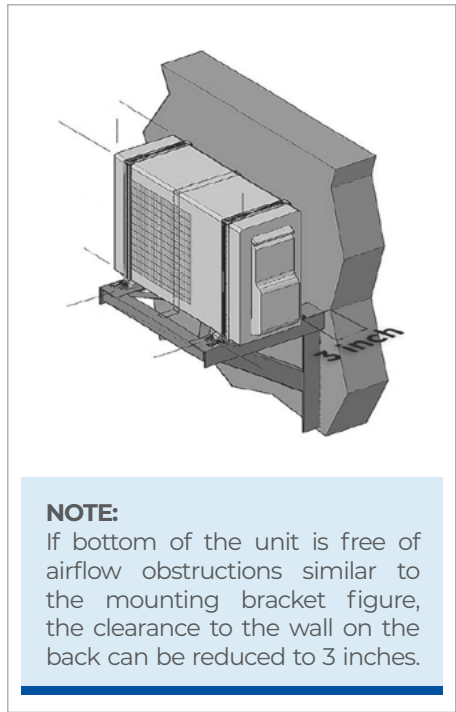
MUL42HPJ1320A	
DIMENSIONS	
A	37-1/8
B	40-3/16
C	32-9/16
D	14-17/32
E	16-13/16
F	25
G	15-19/32



CLEARANCES

OUTDOOR UNIT

Minimum clearance



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