

SUBMITTAL DATA

EMUL18HPJ1320A
18000 BTU/H Multi Zone Heat Pump System

Job Name

Purchaser

Submitted to

Unit Designation

Location

Date

Engineer

For

Schedule No.



GENERAL FEATURES

- AHRI Certificate: [218394247](#) (Non-Ducted) • Auto Restart on Power Outages
- [218394252](#) (Ducted) • Multi-point Diagnostics
- (Mixed) • Cooling down to 5°F (Range 5°F to 118°F)
- High Efficiency DC Inverter Technology • Heating down to 5°F (Range 5°F to 75°F)
- Compact and Quiet Design • 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 R32					
	EMUL18HPJ132OA	EMUL24HPJ132OA	EMUL30HPJ132OA	EMUL36HPJ132OA	EMUL42HPJ132OA
BRISA R32					
System Model no.					
BRS05HPJ132IA	•	•	•	•	•
BRS07HPJ132IA	•	•	•	•	•
BRS09HPJ132IA	•	•	•	•	•
BRS12HPJ132IA	•	•	•	•	•
BRS18HPJ132IA		•	•	•	•
BRS24HPJ132IA			•	•	•
BRS30HPJ132IA					
BRS36HPJ132IA					
VENTO R32					
System Model no.					
VEN09HPJ132IA	•				
VEN12HPJ132IA	•				
NOVO R32					
System Model no.					
NOV09HPJ132IA	•	•	•	•	•
NOV12HPJ132IA	•	•	•	•	•
NOV18HPJ132IA		•	•	•	•
NOV24HPJ132IA			•	•	•

ADDITIONAL INDOOR UNIT OPTIONS

MULTI ZONE R32					
	EMUL18HPJ132OA	EMUL24HPJ132OA	EMUL30HPJ132OA	EMUL36HPJ132OA	EMUL42HPJ132OA
ONE WAY CASSETTE					
System Model no.					
OWC09HPJ132IA	•	•	•	•	•
OWC12HPJ132IA	•	•	•	•	•
OWC18HPJ132IA			•	•	•
OWC20HPJ132IA				•	•
360° CEILING CASSETTE					
System Model no.					
CAS09HPJ132IA	•	•	•	•	•
CAS12HPJ132IA	•	•	•	•	•
CAS18HPJ132IA			•	•	•
CAS24HPJ132IA				•	•
CAS30HPJ132IA					
CAS36HPJ132IA					
SLIM DUCT					
System Model no.					
DUC09HPJ132IA	•	•	•	•	•
DUC12HPJ132IA	•	•	•	•	•
DUC18HPJ132IA			•	•	•
DUC24HPJ132IA				•	•
DUC30HPJ132IA					
DUC36HPJ132IA					
FLOOR/CEILING					
System Model no.					
FLR09HPJ132IA	•	•	•	•	•
FLR12HPJ132IA	•	•	•	•	•
FLR18HPJ132IA			•	•	•
FLR24HPJ132IA				•	•
FLR30HPJ132IA					
FLR36HPJ132IA					
MINI CONSOLE					
System Model no.					
CON09HPJ132IA	•	•	•	•	•
CON12HPJ132IA	•	•	•	•	•
CON18HPJ132IA			•	•	•
AIR HANDLER					
System Model no.					
VAH12HPJ132IA	•	•	•	•	•
VAH18HPJ132IA			•	•	•
VAH24HPJ132IA				•	•

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		REFRIGERANT PIPING		
Outdoor Model		EMUL18HPJ1320A		Refrigerant Charge - R32	oz	31.752
Number of Zones		2		Compressor Type	G-20 / Double Cylinder / 1 - STAGE INVERTER	
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)				Additional Charge	oz/ft	0.2
Cooling Capacity	Min - Max	Btu/h	7,300 - 19,800	Port Size (Liquid - Gas)	Port A (in)	1/4 - 3/8
	Rated Capacity @95°F	Btu/h	18,000		Port B (in)	1/4 - 3/8
Heating Capacity	Min - Max	Btu/h	7,300 - 19,800		Port C (in)	
	Rated Capacity @47°F	Btu/h	18,000		Port D (in)	
	Rated Capacity @17°F	Btu/h	15,000		Port E (in)	
	Rated Capacity @5°F	Btu/h	13,800	Pre-Charge Length	ft	66
SEER2		17		Pipe Length (Min - Max)	ft	10 - 131
EER2		11.3		Pipe Length to furthest Indoor Unit	ft	66
HSPF2		8.5		Max. Pipe Elevation	ft	49
COP @5°F		2.0		ELECTRICAL		
SYSTEM PERFORMANCE (Ducted Indoor Units)				Power Supply	208-230V / 1Ph / 60Hz	
Cooling Capacity	Min - Max	Btu/h	7,300 - 19,800	Voltage Range (Min - Max)	VAC	187 - 253
	Rated Capacity @95°F	Btu/h	18,000	Rated Current - Cooling	A	11
Heating Capacity	Min - Max	Btu/h	7,300 - 19,800	Rated Current - Heating	A	11
	Rated Capacity @47°F	Btu/h	18,000	MOCP	A	20
	Rated Capacity @17°F	Btu/h	13,000	MCA	A	14.5
	Rated Capacity @5°F	Btu/h	11,000	Main Power Wire Size	AWG	Per Local Code
SEER2		17.0		Interconnecting Wire Size	AWG	14 / 4
EER2		10		FEATURES & FUNCTIONS SUMMARY		
HSPF2		7.2		Inverter Type	G20	
COP @5°F		1.80		Ultra Low Frequency Torque Control	Yes	
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)				Compressor Type - Inverter	Yes	
Cooling Capacity	Min - Max	Btu/h	7,300 - 19,800	Basepan With Electric Heater	No	
	Rated Capacity @95°F	Btu/h	18,000	Indoor & Outdoor Fin Coating (Blue Fin)	Yes	
Heating Capacity	Min - Max	Btu/h	7,300 - 19,800	Intelligent Defrosting	Yes	
	Rated Capacity @47°F	Btu/h	18,000	Intelligent Preheating	Yes	
	Rated Capacity @17°F	Btu/h	14,000	Low Voltage Startup	Yes	
	Rated Capacity @5°F	Btu/h	12,400	Memory/Power Failure Recovery	Yes	
SEER2		17.0		Self Diagnosis	Yes	
EER2		10.5				
HSPF2		7.8				
COP @5°F		1.90				
OUTDOOR UNIT		EMUL18HPJ1320A				
Cooling Temperature Range	°F	5 - 118				
Heating Temperature Range	°F	5 - 75				
Refrigerant Type		R32				
Compressor Type		G-20 / Double Cylinder / 1 - STAGE INVERTER				
Sound Pressure Level	dB(A)	52				
External Dimensions (W x H x D)	in	32-23/64 x 21-21/32 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	77.2				
Gross Weight	lbs	83.8				

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
EMUL18HPJ132OA	5K+5K	5,000	5,000				6,000	6,000			
EMUL18HPJ132OA	5K+9K	5,000	9,000				6,000	9,000			
EMUL18HPJ132OA	5K+12K	5,000	12,000				6,000	12,000			
EMUL18HPJ132OA	7K+7K	7,000	7,000				8,000	8,000			
EMUL18HPJ132OA	7K+9K	7,000	9,000				8,000	9,000			
EMUL18HPJ132OA	7K+12K	6,630	11,370				6,630	11,370			
EMUL18HPJ132OA	5K+7K	5,000	7,000				6,000	8,000			
EMUL18HPJ132OA	9K+9K	9,000	9,000				9,000	9,000			
EMUL18HPJ132OA	9K+12K	7,714	10,286				7,714	10,286			
EMUL18HPJ132OA	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.

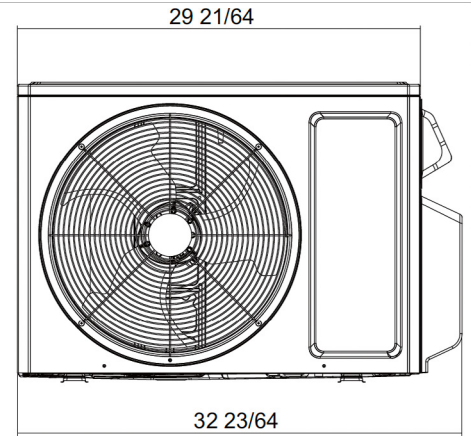
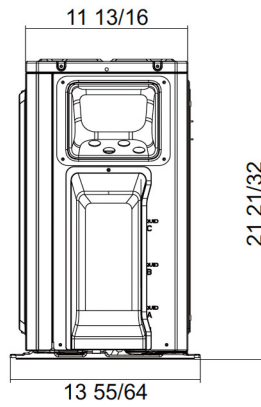
DIMENSIONS

OUTDOOR UNIT

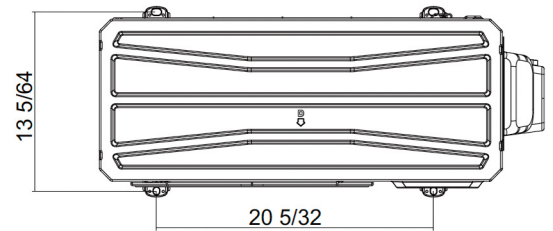
Unit: inch

EMUL18HPJ1320A

DIMENSIONS



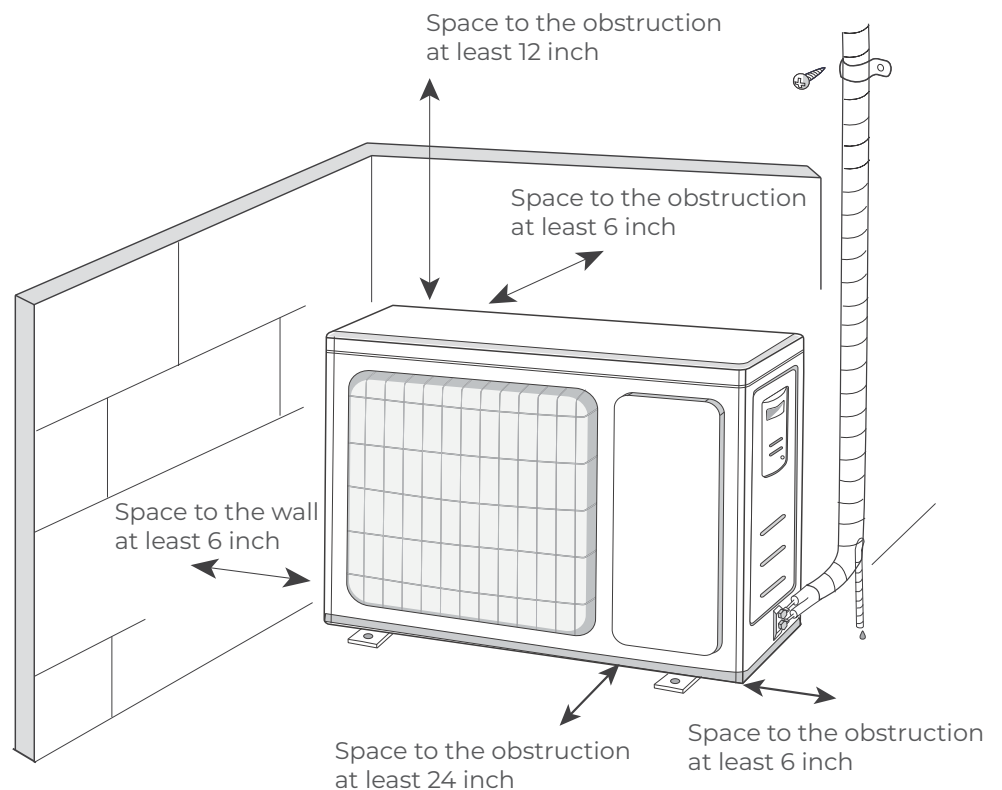
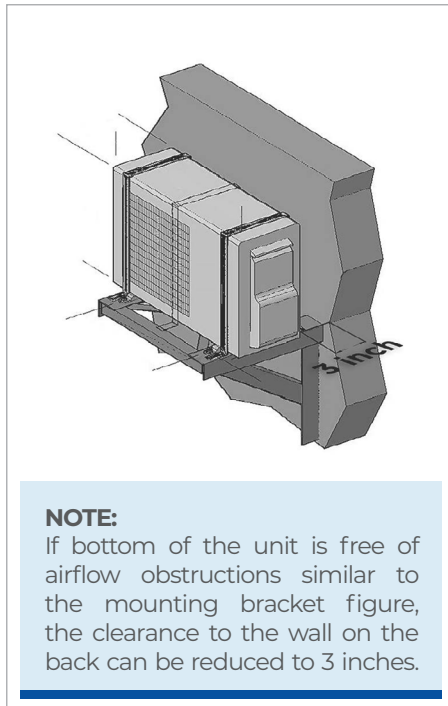
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CLEARANCES

OUTDOOR UNIT

Minimum clearance



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