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SMART MULTI-ZONE MINI-SPLITS



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Big Performance, Small Footprint

This Multi-Zone Mini-Split Heat Pump offers eco-friendly performance with excellent energy efficiency. Powered by advanced R32 refrigerant, it reduces both energy use and environmental impact. Its versatile design allows one outdoor unit to support multiple indoor zones, delivering personalized comfort in every room with quiet, reliable operation—even in extreme temperatures. Efficient, dependable, and budget-friendly, it's built for year-round performance.

FEATURES:

- ✓ Up to 21 SEER2
- ✓ Cooling range: -22°F - 118°F
- ✓ Heating range: -22°F - 75°F
- ✓ Inverter Technology
- ✓ Dehumidification
- ✓ Multiple fan speeds
- ✓ Smart Controls



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System Name			18K 1.5-Ton Multi-Zone Mini Split	24K 2-Ton Multi-Zone Mini Split
System Type			Heat Pump	Heat Pump
Model Number			EMS21M18ZE230A	EMS21M24ZE230A
System Performance				
Cooling Capacity	Min-Max	Btu/hr	7300-19800	7500-31400
	Rated Capacity @ 95°F	Btu/hr	18000	24000
Heating Capacity	Min-Max	Btu/hr	7300-18100	7500-31400
	Rated Capacity @ 47°F	Btu/hr	18000	24000
SEER2			21	21
EER2			12	13.3
HSPF2			10	10
COP @ 5°F			3.9	3.9
Cooling Temperature Range		°F	-22-118	-22-118
Heating Temperature Range		°F	-22-75	-22-75
Refrigerant Type			R32	R32
Square Foot Coverage			375-750 sq ft	500-1000 sq ft
Indoor Unit			(2) 9K ¾-Ton Single Zone Air Handler IDU	(3) 9K ¾-Ton Single Zone Air Handler IDU
Model Number			EMS188S9ZE230A	EMS188S9ZE230A
Air Flow (Min - Max)			165-294	165-294
Sound Pressure Level (Min - Max)			22-48	22-48
Dehumidification			1.7	1.7
External Dimensions (W x H x D)			32.8 x 10.2 x 7.6	32.8 x 10.2 x 7.6
Package Dimensions (W x H x D)			34.7 x 13.1 x 10.4	34.7 x 13.1 x 10.4
Net Weight			17.6	17.6
Gross Weight			20.9	20.9
Outdoor Unit			18K 1.5-Ton Multi Zone Condenser ODU	24K 2-Ton Multi Zone Condenser ODU
Model Number			EMSO21M18ZE230A	EMSO21M24ZE230A
Compressor Type			Twin Rotary	Inverter Rotary
Sound Pressure Level		dB(A)	61	65
External Dimensions (W x H x D)		in	32.4 x 21.7 x 13.9	38.0 x 26.0 x 15.8
Package Dimensions (W x H x D)		in	34.3 x 24.4 x 15.7	40.6 x 29.0 x 18.0
Net Weight		lbs	78.3	112.5
Gross Weight		lbs	84.9	122.4
Refrigerant Piping				
Refrigerant Charge - R32		oz	31.8	60
Additional Charge		oz/ft	0.2	0.2
Port Size (Liquid - Gas)	Port A (in)		1/4-3/8	1/4-3/8
	Port B (in)		1/4-3/8	1/4-3/8
	Port C (in)		N/A	1/4-3/8
Pre- Charge Length		ft	32.81	98.42
Pipe Length (Max)		ft	131.2	196.9
Pipe Length to furthest Indoor Unit		ft	65.6	65.6
Max Pipe Elevation		ft	49.2	49.2
Electrical				
Power Supply			208-230VAC Single Phase 60Hz	
Voltage Range (Min - Max)		VAC	187-253	187-253
Rated Current - Cooling		A	6.52	8
Rated Current - Heating		A	5.87	7.8
MOCP		A	20	25
MCA		A	14.5	19.5
Suggested Breaker Size		A	20	25
Main Power Wire Size		AWG	14/2	12/2
Interconnecting Wire Size		AWG	14/3	14/3
Limited Warranty			Residential: 10 Years Parts, 10 Years Compressor / Commercial: 5 Years Parts, 5 Years Compressor	