



EMI  Presents

ENVIROair

Single and Multi-Zone Ductless Split Systems

EnviroAir Ductless Split Systems by EMI provide homeowners and light commercial establishments economical solutions when only area cooling and heating is required. Ductless Split Systems do not require air ducts to distribute conditioned air, and are the perfect solution when adding ductwork is not practical or too expensive.

An EnviroAir Ductless System is self-contained with two basic parts. An indoor Air Handler unit and



Air Handler



Condenser

an outdoor Condenser unit with coolant lines and wires connecting both units. A small hole in an outside wall is all that's required to connect lines and wires between units.

EnviroAir Ductless Single Zone systems provide cooling or heating to only one room. Multi-zone systems can handle up to four air handler units at the same time, all connected to the same outside condenser, and can easily be set at different room temperatures. Indoor units can be turned off in any room if unoccupied, saving energy costs.

ENVIROair

Single and Multi-Zone Ductless Split Systems with

Inverter compressor technology allows the outdoor unit to continuously adjust its speed to match the indoor comfort needs. Improving the system's air conditioning and heat pump efficiency because the inverter controls the speed of the compressor so that it is running at a varied level to meet the set indoor temperature. While demand is high, the compressor will speed up and while demand is lower, both the speed of the compressor and the speed of the electric meter will slow down. The compressor will start at a low level when the demand for air conditioning or heating is needed avoiding the high inrush of air generated by conventional systems. Once the desired temperature is reached, the inverter compressor is able to lower it's speed to maintain the indoor temperature rather than shutting off like conventional systems.

EnviroAir Benefits...

- ◆ Inverter driven compressor adjusts speed to changing temperature conditions saving energy costs
- ◆ Single and multi-zone application flexibility with 34 different 2, 3, & 4-zone combinations
- ◆ 14.5 to 17.5 SEER high efficiency models with capacities from 9,000 Btuh to 36,000 Btuh
- ◆ Fully-programmable Infrared Handheld Remote Control
- ◆ Smooth air flow design and isolated compressor, provide exceptionally quiet operation
- ◆ Simple maintenance with easily-removable, washable filters
- ◆ Easy installation – requires no ductwork and minimal on-site adjustment
- ◆ Air handler's low profile and white cabinet blends with any décor

All EnviroAir models include the following features...

Remote Control Convenience

All EnviroAir models come with a hand-held Infrared Remote Controller with an easy-to-read LCD display. Factory-installed operating features provide the capacity to set temperature, louver control, fan speeds and much more.



"Follow Me" Technology

When the "FOLLOW ME" mode is activated, the system switches from the air handler-mounted room temperature sensor, to the sensor inside of the infrared handheld remote control. By doing this, the unit conditions to the space where you are, with the remote close at hand.



"Follow Me" OFF

The temperature sensor inside the air handler determines the room's cooling or heating needs.



"Follow Me" ON

The temperature sensor inside the remote controller determines the room's cooling or heating needs.



Low Ambient Cooling

A standard, factory-installed feature that enhances cooling operation to low outdoor ambient temperatures, to as low as 5°F on most models. This is ideal for cooling areas such as mechanical and data/computer server rooms.

Turbo Mode

The inverter system is capable of boosting the cooling or heating output for brief periods, by up to 115% of the rated capacity, at certain conditions. This allows more rapid cooling or heating of an over or unconditioned room, to the desired temperature.

Auto-Restart

If the system breaks off unexpectedly due to power failure, it will automatically restart with the previous function setting when power is restored.

Auto-Level Swing Louvers

The horizontal (long) discharge air louver blades can be adjusted to better circulate airflow for cooling or heating. Using the IR remote, one can manually adjust in 6° intervals or swing up or down automatically. Typically in the automatic model, the blade(s) raise during cooling, and lower for heating.

24-Hour Timer

Set a wide variety of timer-based operations, start and stop at specific times, control fan speed as well as cool, heat, and auto from anywhere in the room.

Economy / Sleep Mode

Enables the system to gradually decrease cooling or heating output automatically during night operation to maintain sleeping comfort level while also saving energy.

Simple Maintenance

When necessary, simply remove the factory provided washable filters for cleaning.



USA Technical Support

U.S.A. based contractor assistance is readily available.

FSR Series

Single Zone Systems

- ◆ 15 SEER Inverter Technology
- ◆ 9k & 12k Btuh Systems
- ◆ Straight Cool
- ◆ 115V/1ph/60Hz
- ◆ Low Ambient Cooling down to 19.5°F



SZI Series

Single Zone Systems

- ◆ 14.5 – 17.5 SEER Inverter Technology
- ◆ 9k-36K Btuh System Capacities
- ◆ 9k / 12k / 18k Energy Star CERTIFIED systems
- ◆ Heat Pump with Cooling
- ◆ 208V-230V/1ph/60Hz
- ◆ Low Ambient Cooling down to 5°F



MZI Series

Multi-Zone Systems

- ◆ 15.6 – 16.5 SEER Inverter Technology
- ◆ 9k / 12k / 18k Btuh Zone Capacities
- ◆ 2, 3, 4-zone System Combinations
- ◆ Heat Pump with Cooling
- ◆ 208V-230V/1ph/60Hz
- ◆ Low Ambient Cooling down to 5°F



Add-on Flexibility

EnviroAir MZI Systems have the capability of adding air handlers (total of four) as cooling or heating requirements change.



Up to four stylish air handlers can be individually located where maximum cooling or heating can be achieved.

A single MZI Series condenser, operates up to four air handlers concurrently, and can be located out of view.

FSR Series Single Zone Systems

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- ◆ 15 SEER Inverter Technology
- ◆ 9K & 12K Btuh Systems
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FSR Series – Specifications

Model			FSR Series FWCA09A0 FCA09A00	FSR Series FWCA12A0 FCA12A00	
System Performance	Power supply	V-Ph-Hz	115-1-60	115-1-60	
	Cooling	Nominal Capacity	Btu/h (kW)	9,000 (2.6)	12,000 (3.5)
		Input	W	950	1,200
		SEER	BTU/W	15	15
		EER	BTU/W	10	9
	Sensible Heat Ratio (SHR)		0.8	0.8	
	Coefficient of Performance (COP)	W/W	NA	NA	
	Low Ambient Cooling Outdoor Temp	°F	19.4°F~109.4°F	19.4°F~109.4°F	
	Low Ambient Cooling Indoor Temp	°F	≥ 62.6°F	≥ 62.6°F	
	Low Ambient Dry Mode Outdoor Temp	°F	32°F~122°F	32°F~122°F	
Low Ambient Dry Mode Indoor Temp	°F	> 50°F	> 50°F		
Max Fuse/HACR Breaker	A	30	30		
Indoor Unit Specifications	Controls		IR Remote Control	IR Remote Control	
	Indoor Air Flow (Hi/Mi/Lo)	m3/h	500/410/360	600/530/400	
	Indoor Noise Level (Hi/Mi/Lo)	dB(A)	38/31/29	39/35/31	
	Indoor Fan Motor FLA	A	0.3	0.3	
	Indoor Fan Power Consumption	W	46	46	
	Dimension (W x H x D)	mm	680 x 178 x 255	770 x 188 x 255	
	Dimension (W x H x D)	inch	26 ²⁵ / ₃₂ x 7 x 10 ¹ / ₃₂	30 ⁵ / ₁₆ x 7 ¹³ / ₃₂ x 10 ¹ / ₃₂	
	Packing (W x H x D)	mm	745 x 255 x 330	835 x 265 x 330	
	Packing (W x H x D)	inch	29 ¹¹ / ₃₂ x 10 ¹ / ₃₂ x 13	32 ⁷ / ₈ x 10 ⁷ / ₁₆ x 13	
Net/Gross Weight	lb	16/18	17/21		
Outdoor Unit Specifications	Outdoor Air Flow	m3/h	1400	1400	
	Outdoor Noise Level	dB(A)	54	55	
	Compressor RLA	A	4.95	4.95	
	Outdoor Fan Motor FLA	A	0.7	0.7	
	Outdoor Fan Power Consumption	W	64/47	64/47	
	Dimension (W x H x D)	mm	660 x 265 x 540	660 x 265 x 540	
	Dimension (W x H x D)	inch	26 x 10 ¹³ / ₃₂ x 21 ⁵ / ₁₆	26 x 10 ¹³ / ₃₂ x 21 ⁵ / ₁₆	
	Packing (W x H x D)	mm	790 x 355 x 620	790 x 355 x 620	
	Packing (W x H x D)	inch	31 ³ / ₃₂ x 14 x 24 ¹³ / ₃₂	31 ³ / ₃₂ x 14 x 24 ¹³ / ₃₂	
	Net/Gross Weight	lbs	60/63	62/67	
	Factory Refrigerant Charge (R-410A)	oz	31.74	31.74	
Refrigerant Piping	Max Equivalent Length	ft	65	65	
	Max Elevation	ft	26	26	
	Line Size (Gas x Liquid)	in	3/8 x 1/4 - Flare	1/2 x 1/4 - Flare	

SZI Series Single Zone Systems

ENVIROair

- ◆ 14.5 – 17.5 SEER Inverter Technology
- ◆ 9k-36k Btu/h System Capacities
- ◆ 9k / 12k / 18k Energy Star CERTIFIED systems
- ◆ Heat Pump with Cooling
- ◆ 208V-230V/1ph/60Hz
- ◆ Low Ambient Cooling down to 5°F



9-24k Btu/h

SZI Series – Specifications (9k – 24k)

Model			SZI Series ZWHB09D0 ZHB09D00	SZI Series ZWHB12D0 ZHB12D00	SZI Series ZWHB18D0 ZHB18D00	SZI Series ZWHB24D0 ZHB24D00	
System Performance	Power supply	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	
	Cooling	Nominal Capacity	Btu/h (kW)	9,000 (2.6)	12,000 (3.5)	18,000 (5.3)	23,000 (6.7)
		Input	W	737	999	1,499	2,490
		SEER	BTU/W	16.4	17.5	17.5	16
		EER	BTU/W	12.2	12	12	9.2
	Heating	Nominal Capacity	Btu/h (kW)	10,700 (3.1)	13,000 (3.8)	18,900 (5.5)	23,000 (6.7)
		Input	W	891	1,108	1,720	2,424
		HSPF4	BTU/W	9.6	9.6	8.8	7.8
	Sensible Heat Ratio (SHR)		0.85	0.84	0.83	0.73	
	Coefficient of Performance (COP)	W/W	3.52	3.44	3.22	2.78	
	Low Ambient Cooling Outdoor Temp	°F	5°F~122°F	5°F~122°F	5°F~122°F	5°F~122°F	
	Low Ambient Cooling Indoor Temp	°F	62°F~90°F	62°F~90°F	62°F~90°F	62°F~90°F	
	Low Ambient Heating Outdoor Temp	°F	5°F~86°F	5°F~86°F	5°F~86°F	5°F~86°F	
	Low Ambient Heating Indoor Temp	°F	32°F~86°F	32°F~86°F	32°F~86°F	32°F~86°F	
	Low Ambient Dry Mode Outdoor Temp	°F	32°F~122°F	32°F~122°F	32°F~122°F	32°F~122°F	
	Low Ambient Dry Mode Indoor Temp	°F	> 50°F	> 50°F	> 50°F	> 50°F	
Energy Star Certified		YES	YES	YES	NO		
Max Fuse/HACR Breaker	A	15	15	20	25		

Indoor Unit Specifications			IR Remote Control	IR Remote Control	IR Remote Control	IR Remote Control
Controls			IR Remote Control	IR Remote Control	IR Remote Control	IR Remote Control
Indoor Air Flow (Hi/Mi/Lo)	CFM	380/330/265	470/435/390	660/605/520	660/605/520	660/605/520
Indoor Noise Level (Hi/Mi/Lo)	dB(A)	41/37/31	43/41/39	49/45/42	49/45/42	49/45/42
Indoor Fan Motor FLA	A	0.22	0.28	0.33	0.36	0.36
Indoor Fan Power Consumption	W	43	58.5	82	82	82
Dimension (W x H x D)	mm	790 x 265 x 198	920 x 292 x 223	998 x 322 x 240	998 x 322 x 240	998 x 322 x 240
Dimension (W x H x D)	inch	31 1/8 x 10 7/16 x 7 13/16	36 1/4 x 11 1/2 x 8 3/4	39 5/16 x 12 11/16 x 9 7/16	39 5/16 x 12 11/16 x 9 7/16	39 5/16 x 12 11/16 x 9 7/16
Packing (W x H x D)	mm	875 x 335 x 265	1015 x 368 x 295	1080 x 320 x 400	1080 x 320 x 400	1080 x 320 x 400
Packing (W x H x D)	inch	34 7/8 x 13 3/16 x 10 7/16	39 15/16 x 14 1/2 x 11 5/8	42 1/2 x 12 5/8 x 15 3/4	42 1/2 x 12 5/8 x 15 3/4	42 1/2 x 12 5/8 x 15 3/4
Net/Gross Weight	lb	16.98/21.16	23.15/29.54	27.12/35.05	27.12/35.05	27.12/35.05

Outdoor Unit Specifications						
Outdoor Air Flow	CFM	1060	1290	1470	1590	1590
Outdoor Noise Level	dB(A)	53	55	59	62	62
Compressor RLA	A	5.7	5.8	9.7	10.2	10.2
Outdoor Fan Motor FLA	A	0.31	0.35	0.74	0.53	0.53
Outdoor Fan Power Consumption	W	75/66	75/66	166/105	136/130	136/130
Dimension (W x H x D)	mm	760 x 590 x 285	760 x 590 x 285	845 x 700 x 320	845 x 700 x 320	845 x 700 x 320
Dimension (W x H x D)	inch	29 15/16 x 23 4/16 x 11 4/16	29 15/16 x 23 4/16 x 11 4/16	33 4/16 x 27 9/16 x 12 5/8	33 4/16 x 27 9/16 x 12 5/8	33 4/16 x 27 9/16 x 12 5/8
Packing (W x H x D)	mm	887 x 645 x 355	887 x 645 x 355	965 x 755 x 395	965 x 755 x 395	965 x 755 x 395
Packing (W x H x D)	inch	34 15/16 x 25 3/8 x 14	34 15/16 x 25 3/8 x 14	38 x 29 3/4 x 15 9/16	38 x 29 3/4 x 15 9/16	38 x 29 3/4 x 15 9/16
Net/Gross Weight	lbs	71.65/76.94	72.09/77.38	102.51/109.79	107.14/114.42	107.14/114.42
Factory Refrigerant Charge (R-410A)	oz	38.8	44.09	58.6	68.78	68.78
Filed Charge per Foot	oz	0.161	0.161	0.322	0.322	0.322
Refrigerant Piping	Max Equivalent Length	ft	82	82	98	98
	Max Elevation	ft	33	33	66	66
	Line Size (Gas x Liquid)	in	3/8 x 1/4 - Flare	1/2 x 1/4 - Flare	5/8 x 3/8 - Flare	5/8 x 3/8 - Flare



30-36k Btuh

SZI Series – Specifications (30k – 36k)

Model			SZI Series	SZI Series	
Indoor			ZWHA30D0	ZWHA36D0	
Outdoor			ZHA30D00	ZHA36D00	
System Performance	Power supply	V-Ph-Hz	208/230-1-60	208/230-1-60	
	Cooling	Nominal Capacity	Btu/h (kW)	30,000 (8.8)	36,000 (10.6)
		Input	W	2931	4000
		SEER	BTU/W	16	14.5
		EER	BTU/W	10	8.8
	Heating	Nominal Capacity	Btu/h (kW)	30,000 (8.8)	36,000 (10.6)
		Input	W	2,442	3,400
		HSPF4	BTU/W	9.6	9.0
	Sensible Heat Ratio (SHR)			0.73	0.68
	Coefficient of Performance (COP)	W/W		3.6	3.0
	Low Ambient Cooling Outdoor Temp	°F		5°F~122°F	5°F~122°F
	Low Ambient Cooling Indoor Temp	°F		62°F~90°F	62°F~90°F
	Low Ambient Heating Outdoor Temp	°F		5°F~86°F	5°F~86°F
	Low Ambient Heating Indoor Temp	°F		32°F~86°F	32°F~86°F
Low Ambient Dry Mode Outdoor Temp	°F		32°F~122°F	32°F~122°F	
Low Ambient Dry Mode Indoor Temp	°F		> 50°F	> 50°F	
Max Fuse/HACR Breaker	A		25	30	
Indoor Unit Specifications	Controls		IR Remote Control	IR Remote Control	
	Indoor Air Flow (Hi/Mi/Lo)	CFM	970/840/740	970/840/740	
	Indoor Noise Level (Hi/Mi/Lo)	dB(A)	50/47/43	50/46/42	
	Indoor Fan Motor FLA	A	0.51	0.78	
	Indoor Fan Power Consumption	W	113/87/68	113/87/68	
	Dimension (W x H x D)	mm	1,445 x 340 x 277	1,445 x 340 x 277	
	Dimension (W x H x D)	inch	56 15/16 x 10 15/16 x 13 3/8	56 15/16 x 10 15/16 x 13 3/8	
	Packing (W x H x D)	mm	1,530 x 365 x 420	1,530 x 365 x 420	
	Packing (W x H x D)	inch	60 1/4 x 14 3/8 x 16 9/16	60 1/4 x 14 3/8 x 16 9/16	
	Net/Gross Weight	lb	52.91/70.55	52.91/70.55	
Outdoor Unit Specifications	Outdoor Air Flow	CFM	2060	2240	
	Outdoor Noise Level	dB(A)	59	65	
	Compressor RLA	A	5.3	5.3	
	Outdoor Fan Motor FLA	A	0.31	0.35	
	Outdoor Fan Power Consumption	W	157.3/93.8	299/223	
	Dimension (W x H x D)	mm	900 x 860 x 315	990 x 965 x 345	
	Dimension (W x H x D)	inch	35 7/16 x 33 7/8 x 12 7/16	39 x 38 x 13 5/8	
	Packing (W x H x D)	mm	1,043 x 915 x 395	1,120 x 1,100 x 435	
	Packing (W x H x D)	inch	41 1/16 x 36 x 15 9/16	44 1/8 x 43 5/16 x 17 1/8	
	Net/Gross Weight	lbs	156.53/165.35	167.55/191.8	
	Factory Refrigerant Charge (R-410A)	oz	89.94	97.0	
	Filed Charge per Foot	oz	0.322	0.322	
	Refrigerant Piping	Max Equivalent Length	ft	164	213
Max Elevation		ft	82	98	
Line Size (Gas x Liquid)		in	5/8 x 3/8 - Flare	5/8 x 3/8 - Flare	



MZI Series Multi-Zone Systems



- ◆ 15.6 – 16.5 SEER Inverter Technology
- ◆ 9k / 12k / 18k Btuh Zone Capacities
- ◆ 2, 3, 4-zone System Combinations
- ◆ Heat Pump with Cooling
- ◆ 208V-230V/1ph/60Hz
- ◆ Low Ambient Cooling down to 5°F



Ideal system when cooling/heating requirements call for multiple zones from one condenser.

Depending on the model selected, additional air handlers may be added (up to a total of four) at any time, as zone requirements change, to provide more flexible cooling/heating in the future.

MZI Series Condenser Combinations

Condenser Model	Air Handler Capacities 1 Zone	Air Handler Capacities 2 Zones	Air Handler Capacities 3 Zones	Air Handler Capacities 4 Zones
MHA18D00	9k 12k	9k + 9k 9k + 12k 12k + 12k		
MHA27D00	9k 12k 18k	9k + 9k 9k + 12k 9k + 18k 12k + 12k 12k + 18k	9k + 9k + 9k 9k + 9k + 12k 9k + 12k + 12k	
MHA36D00	9k 12k 18k	9k + 9k 9k + 12k 9k + 18k 12k + 12k 12k + 18k 18k + 18k	9k + 9k + 9k 9k + 9k + 12k 9k + 9k + 18k 9k + 12k + 12k 9k + 12k + 18k 9k + 18k + 18k 12k + 12k + 12k 12k + 12k + 18k 12k + 18k + 18k	9k + 9k + 9k + 9k 9k + 9k + 9k + 12k 9k + 9k + 9k + 18k 9k + 9k + 12k + 12k 9k + 9k + 12k + 18k 9k + 12k + 12k + 12k 9k + 12k + 12k + 18k 12k + 12k + 12k + 12k
	8 combinations	14 combinations	12 combinations	8 combinations
<p>Add-on Flexibility</p> <p>Not all zones of a condenser need to be installed at once. A larger multi-zone condenser can be installed, so that additional air handlers can be added later on, if heating or cooling needs change.</p>				

MZI Series – Specifications

Indoor Unit Specifications		Model Indoor	MZI Series MWA09D0	MZI Series MWA12D0	MZI Series MWA18D0
		Controls		IR Remote Control	IR Remote Control
Indoor Air Flow (Hi/Mi/Lo)	CFM	335/294/247	335/294/247	518/483/430	
Indoor Noise Level (Hi/Mi/Lo)	dB(A)	37/32/27	37/32/27	42/37/33	
Indoor Fan Motor FLA	A	0.2	0.2	0.3	
Indoor Fan Power Consumption	W	43	43	58.5	
Dimension (W x H x D)	mm	790 x 198 x 265	790 x 265 x 198	920 x 292 x 223	
Dimension (W x H x D)	inch	31 ³ / ₃₂ x 7 ¹³ / ₁₆ x 10 ⁷ / ₁₆	31 ¹ / ₈ x 10 ⁷ / ₁₆ x 7 ¹³ / ₁₆	36 ¹ / ₄ x 11 ¹ / ₂ x 8 ³ / ₄	
Packing (W x H x D)	mm	875 x 285 x 350	875 x 335 x 265	1015 x 368 x 295	
Packing (W x H x D)	inch	34 ⁷ / ₁₆ x 11 ⁷ / ₃₂ x 13 ²⁵ / ₃₂	34 ⁷ / ₈ x 13 ³ / ₁₆ x 10 ⁷ / ₁₆	39 ¹⁵ / ₁₆ x 14 ¹ / ₂ x 11 ⁵ / ₈	
Net/Gross Weight	lb	18/20	20/25	28/36	
Refrigerant Line Connections (Gas x Liquid)	Gx L (in)	3/8 x 1/4	1/2 x 1/4	1/2 x 1/4	

Outdoor Unit Specifications		Model Outdoor	MZI Series MHB18D00	MZI Series MHA27D00	MZI Series MHA36D00
		Power Supply	V-Ph-Hz	208/230-1-60	208/230-1-60
Capacity	Cooling	Btu/h (kW)	~18,000 (5.3)	~25,600 (7.4)	~36,000 (10.4)
	Heating	Btu/h (kW)	~19,000 (5.6)	~25,400 (7.4)	~39,000 (11.4)
Low Ambient Cooling Outdoor Temp	°F	5°F~122°F	5°F~122°F	5°F~122°F	
Low Ambient Cooling Indoor Temp	°F	≤ 62.6°F	≤ 62.6°F	≤ 62.6°F	
Low Ambient Heating Outdoor Temp	°F	5°F~72°F?	5°F~72°F?	5°F~72°F?	
Low Ambient Heating Indoor Temp	°F	≤ 86°F	≤ 86°F	≤ 86°F	
Low Ambient Dry Mode Outdoor Temp	°F	32°F~122°F	32°F~122°F	32°F~122°F	
Low Ambient Dry Mode Indoor Temp	°F	> 50°F	> 50°F	> 50°F	
MCA	A	11	18	27	
Max Fuse/HACR Breaker	A	15	30	40	
Cooling	SEER	BTU/W	17	15.6	16.5
	EER	BTU/W	9.9	8.8	8.9
Heating	COP	W/W	3	3.2	3.1
	HSPF4	BTU/W	9	8.5	9
Outdoor Air Flow	CFM	1470	1590	2240	
Outdoor Noise Level	dB(A)	57	60	65	
Compressor RLA	A	4.97	9.7	13.5	
Outdoor Fan Motor FLA	A	0.74	0.74	1.3	
Outdoor Fan Power Consumption	W	166/105	136/130	180	
Dimension (W x H x D)	mm	845 x 700 x 320	845 x 700 x 320	990 x 965 x 345	
Dimension (W x H x D)	inch	33 ⁴ / ₁₆ x 27 ⁹ / ₁₆ x 12 ¹⁰ / ₁₆	33 ⁴ / ₁₆ x 27 ⁹ / ₁₆ x 12 ¹⁰ / ₁₆	39 x 38 x 13 ¹⁰ / ₁₆	
Packing (W x H x D)	mm	965 x 755 x 395	965 x 755 x 395	1120 x 1100 x 435	
Packing (W x H x D)	inch	38 x 29 ¹² / ₁₆ x 15 ⁹ / ₁₆	38 x 29 ¹² / ₁₆ x 15 ⁹ / ₁₆	44 ² / ₁₆ x 43 ⁵ / ₁₆ x 17 ² / ₁₆	
Net/Gross Weight	lbs	118/126	113/120	180/188	
Factory Refrigerant Charge (R410A)	oz	51	92	95	
Filed Charge per Foot	oz	0.161	0.161	0.161	
Refrigerant Piping	Max. Equivalent Pipe Length (Per Zone)	ft	49	49	49
	Max Elevation (Per Zone)	ft	33	33	33
	Max Height Difference Between Air Handlers	ft	33	33	33
	Line Size (Gas x Liquid)	in	3/8 x 1/4 - Flare (2X)	3/8 x 1/4 - Flare (3X)	3/8 x 1/4 - Flare (4X)

COMBINATIONS & CAPACITIES

MHB18D00 Multi-Zone Heat Pump Condenser (1–2 Zones)

Cooling	Zone Options	Air Handler Combinations		Nominal Cooling Capacity @ Rated System Capacity (Btuh)		System Cooling Capacity (Btuh)		
		AH1	AH2	AH1	AH2	Min	Rated	Max
Cooling	1-Zone	9k	—	9346	—	6542	9346	11309
		12k	—	11977	—	7785	11977	14492
	2-Zone	9k	9k	9000	9000	7560	18000	21960
		9k	12k	8379	10313	7851	18692	22618
		12k	12k	9450	9450	7938	18900	22869
		9k	12k	9998	9998	8399	19996	24196
Heating	1-Zone	9k	—	9095	—	6367	9095	11005
		12k	—	11680	—	7592	11680	14133
Heating	2-Zone	9k	9k	9500	9500	7980	19000	22990
		9k	12k	8769	10792	8215	19561	23668
		12k	12k	9998	9998	8399	19996	24196
		9k	12k	9998	9998	8399	19996	24196

MHA27D00 Multi-Zone Heat Pump Condenser (1–3 Zones)

Cooling	Zone Options	Air Handler Combinations			Nominal Cooling Capacity @ Rated System Capacity (Btuh)			System Cooling Capacity (Btuh)		
		AH1	AH2	AH3	AH1	AH2	AH3	Min	Rated	Max
Cooling	1-Zone	9k	—	—	8992	—	—	6295	8992	11510
		12k	—	—	11867	—	—	7714	11867	15190
		18k	—	—	17422	—	—	10802	17422	22300
	2-Zone	9k	9k	—	8792	8792	—	7386	17585	21277
		9k	12k	—	8656	10654	—	8110	19311	23366
		9k	18k	—	8359	17041	—	10668	25400	30734
		12k	12k	—	10942	10942	—	9191	21883	26479
		12k	18k	—	9808	16244	—	10942	26051	31522
	3-Zone	9k	9k	9k	8467	8467	8467	10668	25600	30734
		9k	9k	12k	8164	8164	10048	11078	26377	31916
		9k	12k	12k	7667	9436	9436	11147	26540	32113
	Heating	1-Zone	9k	—	—	9276	—	—	6493	9276
12k			—	—	11886	—	—	8320	11886	15214
18k			—	—	15675	—	—	10973	15675	20065
2-Zone		9k	9k	—	8709	8709	—	7315	17417	21075
		9k	12k	—	8393	10330	—	7864	18723	22655
		9k	18k	—	8359	17041	—	10668	25400	30734
		12k	12k	—	10015	10015	—	8412	20030	24236
		12k	18k	—	9836	16290	—	10973	26126	31612
3-Zone		9k	9k	9k	8467	8467	8467	10668	25400	30734
		9k	9k	12k	8131	8131	10008	11034	26271	31788
		9k	12k	12k	7631	9392	9392	11095	26416	31963

COMBINATIONS & CAPACITIES

MHA36D00 Multi-Zone Heat Pump Condenser (1–4 Zones)

Zone Options	Air Handler Combinations				Nominal Cooling Capacity @ Rated System Capacity (Btuh)				System Cooling Capacity (Btuh)		
	AH1	AH2	AH3	AH4	AH1	AH2	AH3	AH4	Min	Rated	Max
1-Zone	9k	—	—	—	10112	—	—	—	4146	10112	12236
	12k	—	—	—	11336	—	—	—	4648	11336	13716
	18k	—	—	—	19133	—	—	—	7845	19133	23151
2-Zone	9k	9k	—	—	9566	9566	—	—	7845	19133	23151
	9k	12k	—	—	8577	10556	—	—	7845	19133	23151
	9k	18k	—	—	8788	17913	—	—	10947	26701	32308
	12k	12k	—	—	10287	10287	—	—	8436	20574	24895
	12k	18k	—	—	10052	16649	—	—	10947	26701	32308
	18k	18k	—	—	17200	17200	—	—	14104	34400	41624
3-Zone	9k	9k	9k	—	8900	8900	8900	—	10947	26701	32308
	9k	9k	12k	—	8265	8265	10172	—	10947	26701	32308
	9k	9k	18k	—	8518	8518	17364	—	14104	34400	41624
	9k	12k	12k	—	9228	11357	11357	—	13097	31943	38651
	9k	12k	18k	—	8202	10094	16719	—	14356	35015	42368
	9k	18k	18k	—	7640	15575	15575	—	15904	38790	46936
	12k	12k	12k	—	10648	10648	10648	—	13097	31943	38651
	12k	12k	18k	—	9901	9901	16399	—	14843	36202	43804
	12k	18k	18k	—	8995	14898	14898	—	15904	38790	46936
4-Zone	9k	9k	9k	9k	9000	9000	9000	9000	14760	36000	43920
	9k	9k	9k	12k	9371	9371	9371	11534	16256	39648	47577
	9k	9k	9k	18k	8204	8204	8204	16723	16947	41334	49601
	9k	9k	12k	12k	8887	8887	10937	10937	16256	39648	47577
	9k	9k	12k	18k	8062	8062	9923	16435	17418	42482	50979
	9k	12k	12k	12k	8809	10842	10842	10842	16947	41334	49601
	9k	12k	12k	18k	7724	9507	9507	15745	17418	42482	50979
	12k	12k	12k	12k	10334	10334	10334	10334	16947	41334	49601

Zone Options	Air Handler Combinations				Nominal Heating Capacity @ Rated System Capacity (Btuh)				System Heating Capacity (Btuh)		
	AH1	AH2	AH3	AH4	AH1	AH2	AH3	AH4	Min	Rated	Max
1-Zone	9k	—	—	—	9996	—	—	—	6997	9996	12296
	12k	—	—	—	12838	—	—	—	8986	12838	15791
	18k	—	—	—	21705	—	—	—	9116	21705	26697
2-Zone	9k	9k	—	—	10852	10852	—	—	9116	21705	26697
	9k	12k	—	—	10497	12919	—	—	9835	23416	28802
	9k	18k	—	—	9937	20257	—	—	12682	30195	37139
	12k	12k	—	—	12359	12359	—	—	10381	24717	30402
	12k	18k	—	—	11367	18827	—	—	12682	30195	37139
	18k	18k	—	—	19000	19000	—	—	15960	38000	46740
3-Zone	9k	9k	9k	—	9871	9871	9871	—	12437	29613	36424
	9k	9k	12k	—	9346	9346	11503	—	12682	30195	37139
	9k	9k	18k	—	9410	9410	19181	—	15960	38000	46740
	9k	12k	12k	—	10731	13207	13207	—	15601	37144	45687
	9k	12k	18k	—	8695	10701	17723	—	15590	37119	45656
	9k	18k	18k	—	7984	16275	16275	—	17024	40533	49856
	12k	12k	12k	—	12381	12381	12381	—	15601	37144	45687
	12k	12k	18k	—	10449	10449	17307	—	16046	38205	46993
	12k	18k	18k	—	9558	15830	15830	—	17312	41218	50698
4-Zone	9k	9k	9k	9k	9750	9750	9750	9750	15990	39000	47190
	9k	9k	9k	12k	9407	9407	9407	11578	16716	39799	48157
	9k	9k	9k	18k	8232	8232	8232	16780	17420	41475	50185
	9k	9k	12k	12k	8920	8920	10979	10979	16716	39799	48157
	9k	9k	12k	18k	8149	8149	10029	16611	18034	42937	51954
	9k	12k	12k	12k	8839	10879	10879	10879	17420	41475	50185
	9k	12k	12k	18k	7807	9608	9608	15914	18034	42937	51954
	12k	12k	12k	12k	10369	10369	10369	10369	17420	41475	50185

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2201 Dwyer Avenue
Utica, New York 13501
Phone: 800.325.5479
Web: enviromaster.com

In Canada:

Morden National Sales
6850 Base Line
Wallaceburg, Ontario N8A 2K6
Phone: 519.627.0791