

MZI Series Specifications & Submittal Data

~18,000 Btuh Two-Zone High-Wall Inverter Heat Pump Split System

Indoor Air Handler Model:

M	W	H	A			D	0
Type: [W=High-Wall Cabinet]	Revision: [A=1st]		Capacity: [09=9,000 Btuh] [12=12,000 Btuh]		Open: [0=None]		
Operation: [H=Heat Pump]			Voltage: [D=208-230v/1ph/60Hz]				
Product: [M=16SEER Multizone DC Inverter]			Voltage: [D=208-230v/1ph/60Hz]				

Outdoor Condenser Model:

M	H	B	1	8	D	0	0
Operation: [H=Heat Pump]		Nominal Capacity: [18=18,000 Btuh]		Control: [0=Standard]			
Revision: [B=2nd]		Voltage: [D=208-230v/1ph/60Hz]					
Product: [M=16SEER Multizone DC Inverter]				Coil Option: [0=Aluminum/Copper, Std]			



Order Quantity of Condenser	Order Quantity of Air Handler(s) (Max)
~18,000 Btuh, 17 SEER, Side-Discharge, Multi-Zone, Condenser, Inverter, 230V, Heat Pump (1-2 Zones)	9,000 Btuh High-Wall Air Handler, Multi-Zone, 16SEER, Inverter, Heat Pump (2*)
	12,000 Btuh High-Wall Air Handler, Multi-Zone, 16SEER, Inverter, Heat Pump (2*)

Notes: A single Handheld Infrared Remote Control comes with each air handler, standard
* Please refer to the applicable air handler combinations on page 2 of this document



Please select desired accessory quantities, for each system (Condenser+All Air Handlers) (max allowed)

Condensate Pump, 208/230V, Wall/Floor Mount, Stand-Alone, 144" lift (1/Zone or Air Handler) PN 240003106	Ref Line Set, 9,000 Btuh, 3/8"x1/4", 15M/49ft, Both Lines Insulated (See Note Below) PN F0322496A
Condensate Pump, 115V, Wall/Floor Mount, Stand-Alone, 144" lift (1/Zone or Air Handler) PN 240003107	Ref Line Set, 12k/18k Btuh, 1/2"x1/4", 5M/16ft, Both Lines Insulated (See Note Below) PN F0422166A
Ref Line Set, 9,000 Btuh, 3/8"x1/4", 5M/16ft, Both Lines Insulated (See Note Below) PN F0322166A	Ref Line Set, 12k/18k Btuh, 1/2"x1/4", 8M/26ft, Both Lines Insulated (See Note Below) PN F0422266A
Ref Line Set, 9,000 Btuh, 3/8"x1/4", 8M/26ft, Both Lines Insulated (See Note Below) PN F0322266A	Ref Line Set, 12k/18k Btuh, 1/2"x1/4", 15M/49ft, Both Lines Insulated (See Note Below) PN F0422496A

Note: The Maximum EQUIVALENT length (piping bend compensation) is 15M/49' and Maximum Lift is 10M/32', for Each Zone's refrigerant line set

Electrical Specifications

Model #	Volts / Ph / Hz	Fan Motor		Compressor		Total Amps	Min. Volt.	MCA	MOCP
		Amps	Watts	RLA	LRA				
MHB18D00	208-230 / 1 / 60	0.74	50	4.97	N/A	9.14	187	11	15
MWHA09D0	208-230 / 1 / 60	0.2	43	—	—	0.2			
MWHA12D0	208-230 / 1 / 60	0.2	43	—	—	0.2			



Standard Low Ambient Operating Range

Mode	Outdoor Ambient Temp	Indoor Ambient Temp
Cooling	Max 122°F (50°C) DB	90°F (32°C) DB
	Min 5°F (-15°C) DB	62°F (17°C) DB
Heating	Max 86°F (30°C) DB	86°F (30°C) DB
	Min 5°F (-15°C) DB	32°F (0°C) DB



To: _____
Date: _____
From: _____
Contact: _____

Project: _____
Customer: _____
Location: _____
Engineer: _____
Unit Tag# _____

For Your: ☐ Reference ☐ Approval ☐ Construction

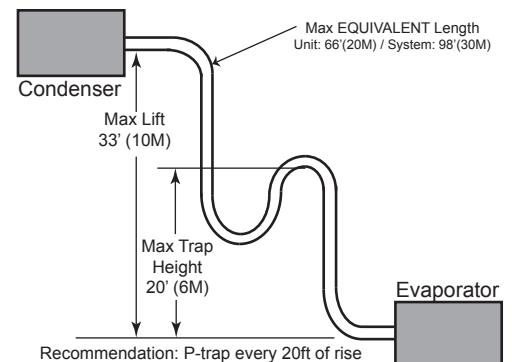
Indoor Air Handler Combinations & Performance Data

Cooling Capacity (~18,000 Btuh)	Zone Options	Air Handler Combinations		Nominal Cooling Capacity @ Rated System Capacity (Btuh)		System Cooling Capacity (Btuh)		
		AH1	AH2	AH1	AH2	Min	Rate	Max
	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

Heating Capacity (~19,000 Btuh)	Zone Options	Air Handler Combinations		Nominal Heating Capacity @ Rated System Capacity (Btuh)		System Heating Capacity (Btuh)		
		AH1	AH2	AH1	AH2	Min	Rate	Max
	1-Zone	9k	—	9095	—	6367	9095	11005
		12k	—	11680	—	7592	11680	14133
	2-Zone	9k	9k	9500	9500	7980	19000	22990
		9k	12k	8769	10792	8215	19561	23668
		12k	12k	9998	9998	8399	19996	24196

Miscellaneous Product Specifications

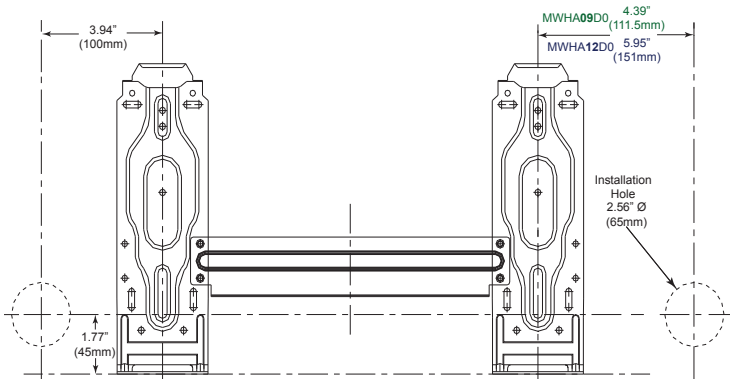
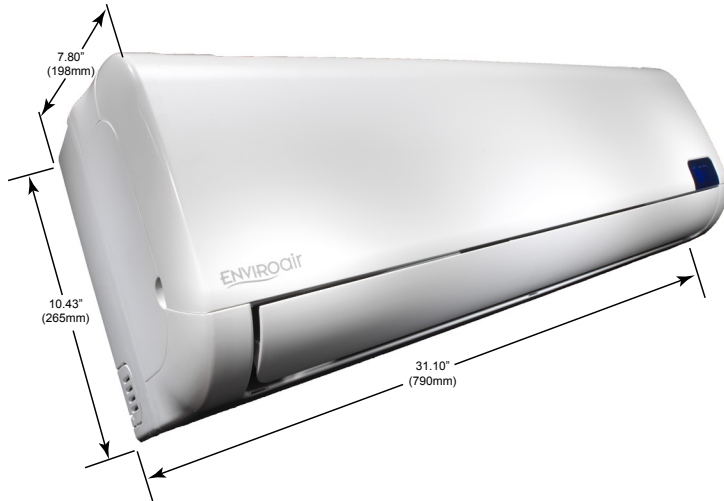
MWHA09D0 Air Flow	335 / 294 / 247 CFM	Condenser Air Flow	1470 CFM
MWHA09D0 Sound Level	37 / 32 / 27 dBA	Condenser Sound Level	57 dBA
MWHA09D0 Weight (net/gross)	18 / 21 lbs	SEER / HSPF4 / COP / SHR	17.0 / 9.0 / 3.2 / 0.72
MWHA09D0 Gross Dimensions	34.45" × 13.78" × 11.22"	Power/Control Wiring (max length)	164ft (4-wires, unshielded)
MWHA09D0 Gas/Liq Connects	3/8" × 1/4" - Flare	Power/Control Wiring (Voltage)	Line Voltage
MWHA12D0 Air Flow	335 / 294 / 247 CFM	Condenser Suction Connections	3/8" - Flare (2)
MWHA12D0 Sound Level	37 / 32 / 27 dBA	Condenser Liquid Connections	1/4" - Flare (2)
MWHA12D0 Weight (net/gross)	20 / 25 lbs	Max EQUIVALENT Pipe Length	66ft/Zone & 98ft/System
MWHA12D0 Gross Dimensions	34.45" × 13.19" × 10.43"	Max Height Diff (OD unit higher)	33ft / Zone
MWHA12D0 Gas/Liq Connects	* 1/2" × 1/4" - Flare	Max Height Diff (OD unit lower)	49ft / Zone
Air Handler Filter	2 - Washable Mesh	Max Height Diff Btw ID Units	33ft / Zone
Condenser Weight (net/gross)	118 / 126 lbs	Factory Refrigerant Charge	** 51oz (1446g) / R-410A
Condenser Gross Dimensions	37.99" × 29.72" × 15.55"	Line Set Refrigerant Charge	*** 0.161 oz/ft (15 g/m)
Compressor Mfr. / Type	GMCC / Twin-Rotary	* 1/2" to 3/8" line set adapter is included with & installed on Condenser ** Total charge for condenser, air handler & 25ft Equivalent length of tubing *** Subtract 25ft from Total Equivalent Length calculation, for factory charge	
Compressor Oil / Volume	Ester Oil VG74 / 500ml		



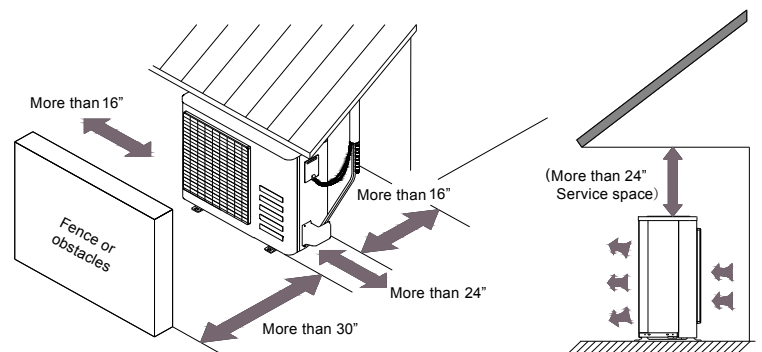
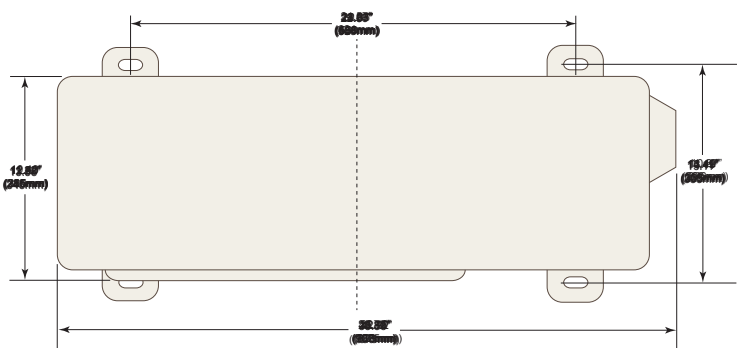
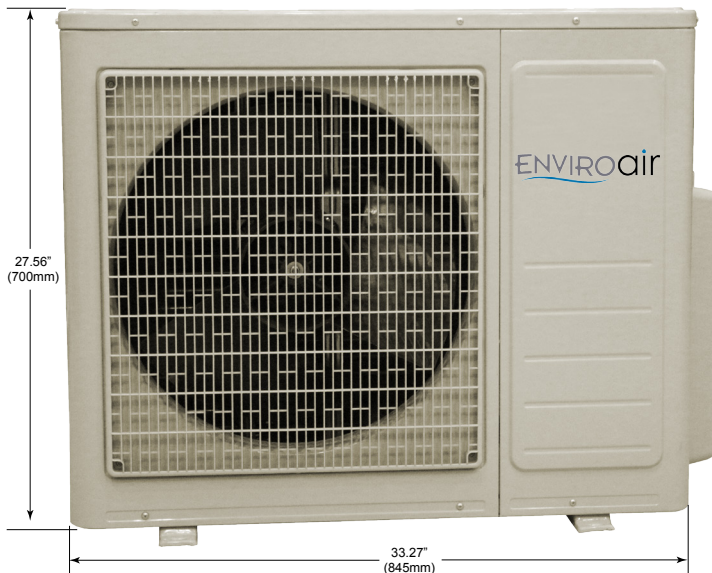
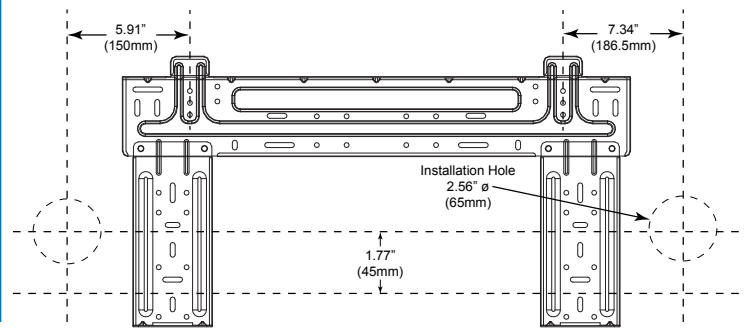
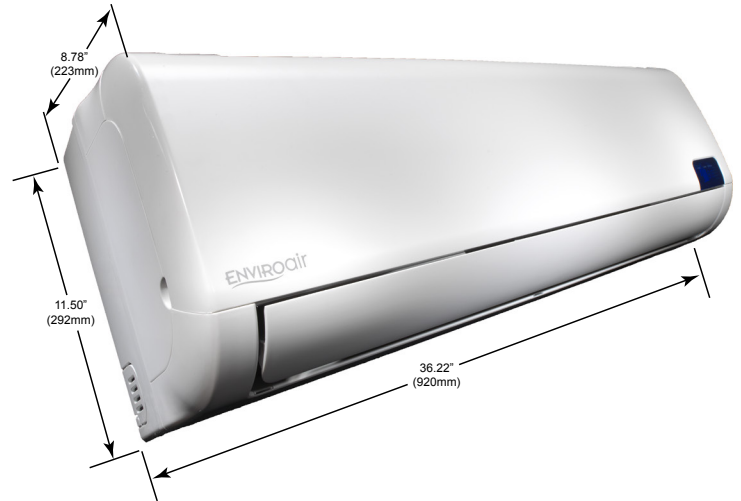
NOTICE: Due to ongoing product development; design, specification and performance data listed within this submittal document are subject to change without notice. For the most current performance data, please refer to ECR International listings of certified products in the AHRI directory, or consult the factory.

Indoor Air Handler & Outdoor Condenser Dimensions

MWHA09D0 & MWHA12D0 Air Handlers



MWHA18D0 Air Handler



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Notes:



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