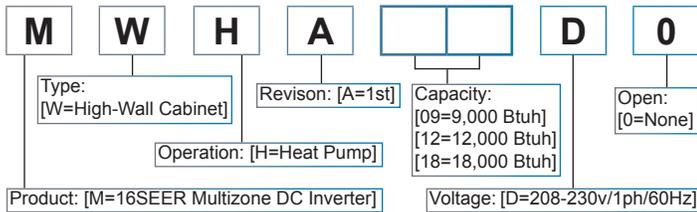


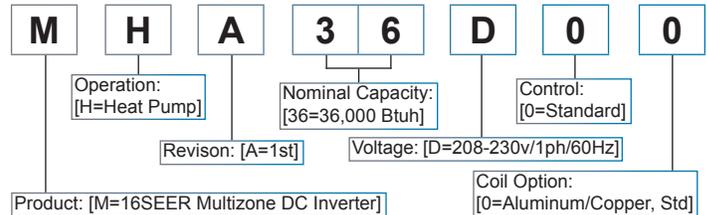
## MZI Series Specifications & Submittal Data

### ~36,000 Btuh Four-Zone High-Wall Inverter Heat Pump Split System

#### Indoor Air Handler Model:



#### Outdoor Condenser Model:



Order Quantity of Condenser	Order Quantity of Air Handler(s) (Max)
~36,000 Btuh, 16.5 SEER, Side-Discharge, Multi-Zone, Condenser, Inverter, 230V, Heat Pump (1-4 Zones)	9,000 Btuh High-Wall Air Handler, Multi-Zone, 16SEER, Inverter, Heat Pump (4*)
	12,000 Btuh High-Wall Air Handler, Multi-Zone, 16SEER, Inverter, Heat Pump (4*)
	18,000 Btuh High-Wall Air Handler, Multi-Zone, 16SEER, Inverter, Heat Pump (2*)

Note: A 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				
MHA36D00	208-230 / 1 / 60	1.3	180	13.5	N/A	21.7	187	27	40
MWHA09D0	208-230 / 1 / 60	0.2	43	—	—	0.2			
MWHA12D0	208-230 / 1 / 60	0.2	43	—	—	0.2			
MWHA18D0	208-230 / 1 / 60	0.3	58.5	—	—	0.3			



#### 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

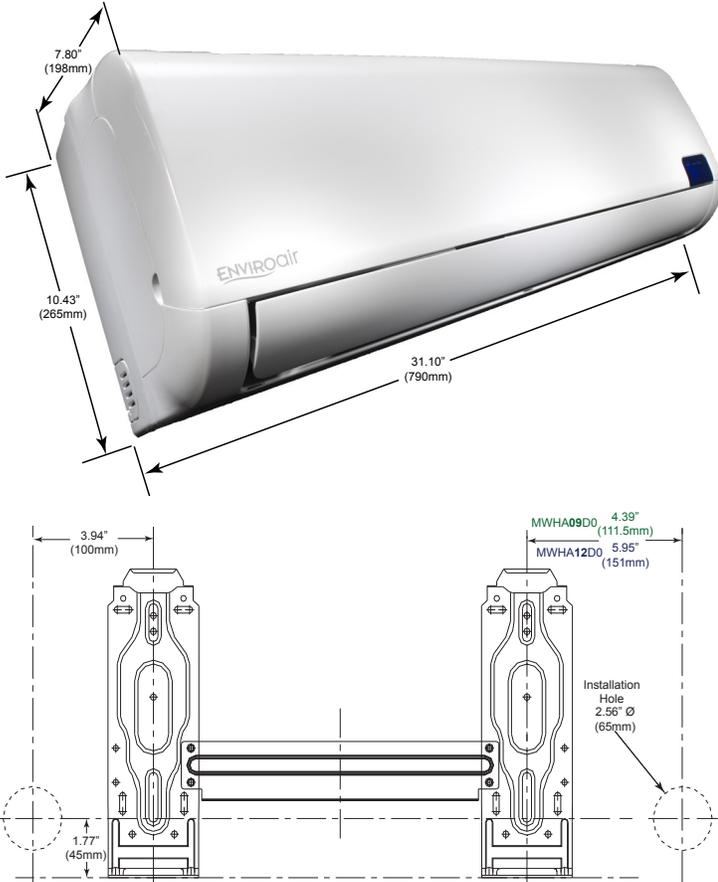
Cooling Capacity (~36,000 Btuh)	Zone Options	Air Handler Combinations				ID Cooling Capacity @ Rate (Btuh)				System Cooling Capacity (Btuh)		
		AH1	AH2	AH3	AH4	AH1	AH2	AH3	AH4	Min	Rate	Max
1-Zone	9k	—	—	—	10112	—	—	—	4146	10112	12236	
	12k	—	—	—	11336	—	—	—	4648	11336	13716	
	18k	—	—	—	19133	—	—	—	7845	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	
3-Zone	18k	18k	—	—	17200	17200	—	—	14104	34400	41624	
	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	
4-Zone	12k	18k	18k	—	8995	14898	14898	—	15904	38790	46936	
	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	10334	10334	10334	10334	16947	41334	49601		

Heating Capacity (~39,000 Btuh)	Zone Options	Air Handler Combinations				ID Heating Capacity @ Rate (Btuh)				System Heating Capacity (Btuh)		
		AH1	AH2	AH3	AH4	AH1	AH2	AH3	AH4	Min	Rate	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	

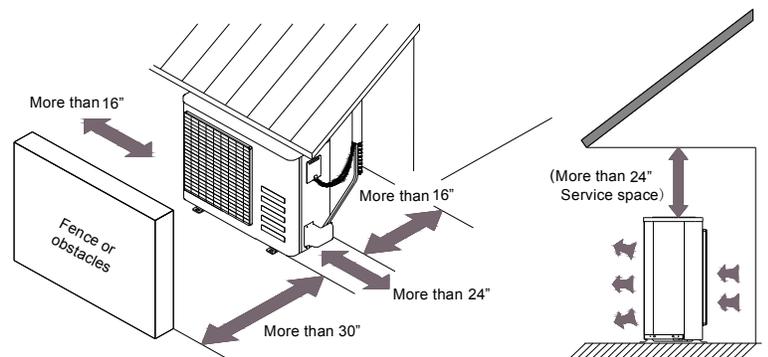
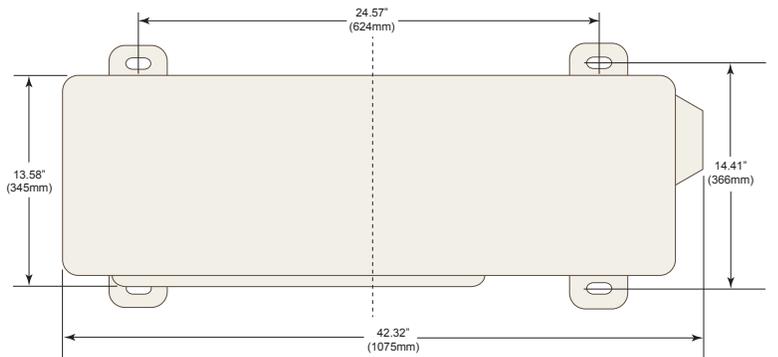
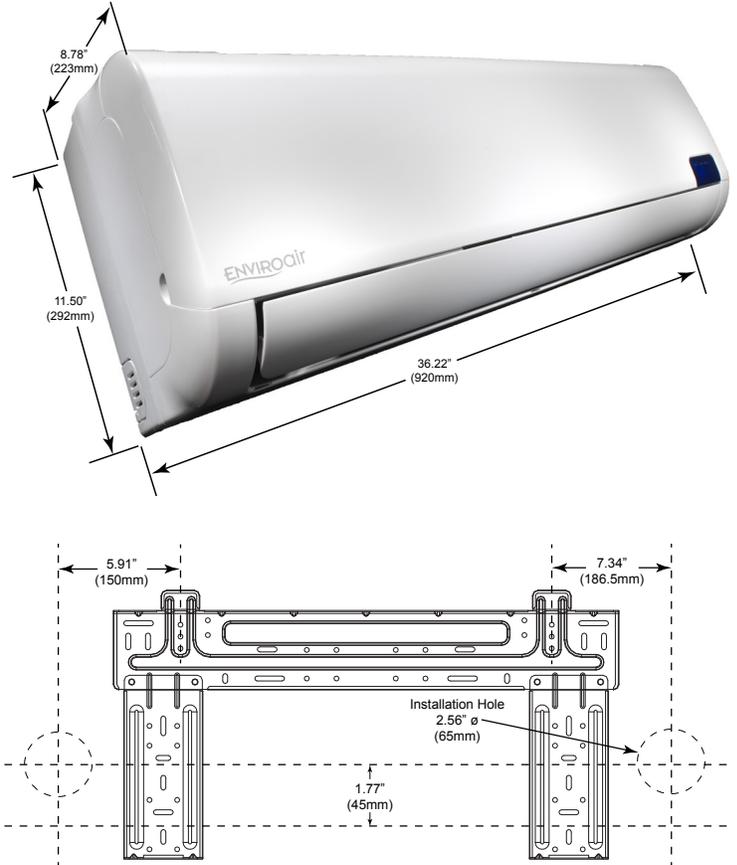
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# Indoor Air Handler & Outdoor Condenser Dimensions

## MWHA09D0 & MWHA12D0 Air Handlers



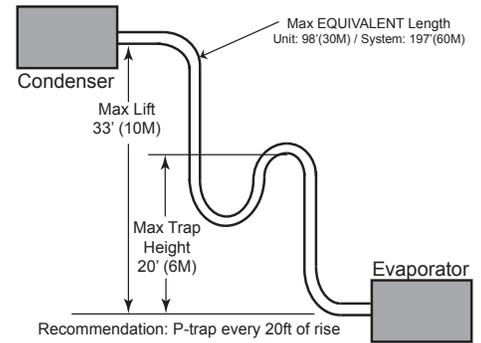
## MWHA18D0 Air Handler



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## Miscellaneous Product Specifications

<b>MWHA09D0 Air Flow</b>	335 / 294 / 247 CFM	<b>Condenser Air Flow</b>	2240 CFM
<b>MWHA09D0 Sound Level</b>	37 / 32 / 27 dBA	<b>Condenser Sound Level</b>	65 dBA
<b>MWHA09D0 Weight (net/gross)</b>	18 / 21 lbs	<b>Condenser Weight (net/gross)</b>	180 / 189 lbs
<b>MWHA09D0 Gross Dimensions</b>	34.45" × 13.78" × 11.22"	<b>Condenser Gross Dimensions</b>	44.09" × 43.31" × 17.13"
<b>MWHA09D0 Gas/Liq Connects</b>	3/8" × 1/4" - Flare	<b>SEER / HSPF4 / COP / SHR</b>	16.5 / 9.0 / 3.1 / 0.73
<b>MWHA12D0 Air Flow</b>	335 / 294 / 247 CFM	<b>Power/Control Wiring (max length)</b>	164ft (4-wires, unshielded)
<b>MWHA12D0 Sound Level</b>	37 / 32 / 27 dBA	<b>Power/Control Wiring (Voltage)</b>	Line Voltage
<b>MWHA12D0 Weight (net/gross)</b>	20 / 25 lbs	<b>Condenser Suction Connections</b>	3/8" - Flare (4)
<b>MWHA12D0 Gross Dimensions</b>	34.45" × 13.19" × 10.43"	<b>Condenser Liquid Connections</b>	1/4" - Flare (4)
<b>MWHA12D0 Gas/Liq Connects</b>	* 1/2" × 1/4" - Flare	<b>Max EQUIVALENT Pipe Length</b>	98ft/Zone & 197ft/System
<b>MWHA18D0 Air Flow</b>	518 / 483 / 430 CFM	<b>Max Height Diff (OD unit higher)</b>	33ft / Zone
<b>MWHA18D0 Sound Level</b>	42 / 37 / 33 dBA	<b>Max Height Diff (OD unit lower)</b>	49ft / Zone
<b>MWHA18D0 Weight (net/gross)</b>	28 / 36 lbs	<b>Max Height Diff Btw ID Units</b>	33ft / Zone
<b>MWHA18D0 Gross Dimensions</b>	39.96" × 14.49" × 11.61"	<b>Factory Refrigerant Charge</b>	** 95 oz (2693 g) / R-410A
<b>MWHA18D0 Gas/Liq Connects</b>	* 1/2" × 1/4" - Flare	<b>Line Set Refrigerant Charge</b>	*** 0.161 oz/ft (15 g/m)
<b>Air Handler Filter</b>	2 - Washable Mesh	* 1/2" to 3/8" line set adapter is included with & installed on Condenser	
<b>Compressor Type/Oil/Charge</b>	Twin-Rotary / FV50S / 1070ml	** Total charge for condenser, air handler & 25ft Equivalent length of tubing	
		*** Subtract 25ft from Total Equivalent Length calculation, for factory charge	



### Notes:



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 2201 Dwyer Avenue • Utica, New York 13501  
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