Multi-Room Ductless heat-pump systems

Submittal Data: **WMO24MH16S** — 24,000 BTU/H Wall Mounted Heat- Pump System

Job Name	Location Date
Purchaser	Engineer
Submitted To	For ☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.

GENERAL FEATURES

- -Up to 3 Indoor Units Comfort (3-Port)
- -G10 DC Inverter Technology
- -Quiet Operation - Both Indoor & Outdoor
- -Wireless Remote Controller
- -Optional Wired Remote Controller (PN: MC207059)
- -Gold Fin Coil Coating
- -Intelligent Defrost
- -Auto Restart on Power Outages

System Ratings

Cooling

Rated Capacity	26,000 BTU/H
Capacity Range	7,500-33,000 BTU/H
Power Input (Max)	3,050 W
SEER	16

Heating at 47° F

Rated Capacity	29,000 BTU/H
Capacity Range	7,500-35,000 BTU/H
Input Power (Max)	2,800 W
HSPF	8.2
COP	3.0

Heating at 17° F

Rated Capacity	17,000 BTU/H

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	23°F (-5 C)
Heating	(Max)	80°F (27 C)
	(Min)	5°F (-15 C)

Power Supply

Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
Main Power Wire Size	10-2 AWG
Interconnecting Cable Wire Size	14-4 AWG
MCA	20.0 A
MOCP/Breaker Size	30 A

Outdoor Unit Data

Compressor	Type	DC Inverter Driven Rotary
	RLA	14.7A
Fan Motor	Output Power	60 W
	FLA	0.5 A
	Air Flow (Max)	1,942 CFM

Sound Power (Per AHRI 270 and AHRI 350)

Cooling	66 db(A)
Heating	66 db(A)

Dimensions & Weights

Unit Dimensions (LxHxD)	37.2 x 27.6 x 15.6 -in
Weight (Net/Shipping)	134/146 LBS

Min. Number of Indoor Units	2
Max. Number of Indoor Units	3

Refrigerant Piping Data

Connection Method	Flared
Refrigerant Type	R410A
Factory Charge for Total Line Lenght	98-ft
Additional Charge Per Line Length	0.2-oz/ft
Total Refrigerant Pipe Length	230-ft
Max Refrigerant Piping Length to any Indoor Unit	66-ft
Min Refrigerant Piping Length to any Indoor Unit	10-ft
Max Elevation between Indoor Units	33-ft
Max Lift from Outdoor to Indoor Unit	33-ft
Max Drop from Outdoor to Indoor Unit	33-ft

INVERTER R410A AHRI CERTIFIED ETL LISTED

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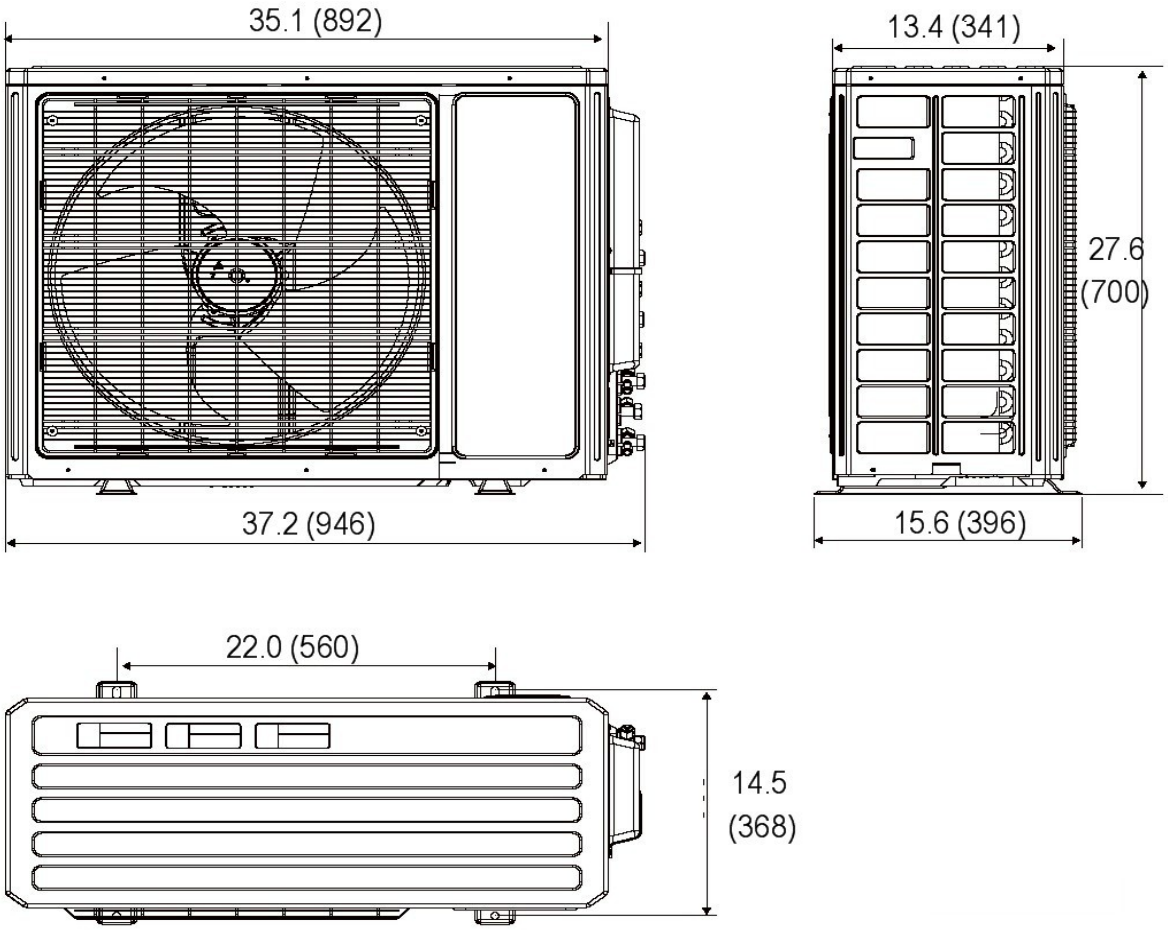
Units: inch (mm)

24,000 BTUH MODEL

Model # WMO24MH16S 24,000 BTUH 230V



Suction/Gas Line Port Size

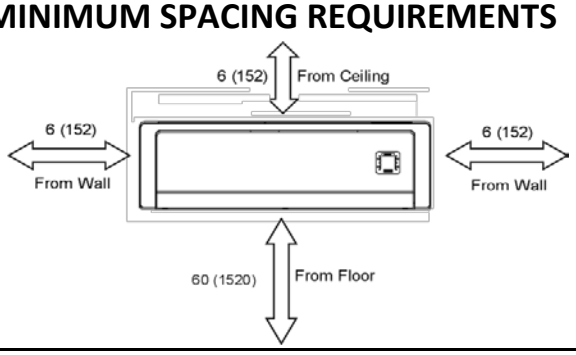
Port #1	3/8-in OD Flared
Port #2	3/8-in OD Flared
Port #3	3/8-in OD Flared

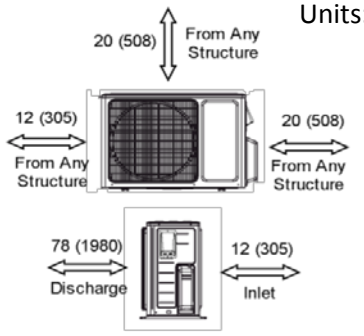
Liquid Line Port Size

Port #1	1/4-in OD Flared
Port #2	1/4-in OD Flared
Port #3	1/4-in OD Flared

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)





Notes:

1. Recommended Interconnecting Cable Type Stranded Bare Copper Conductors THHN 600V Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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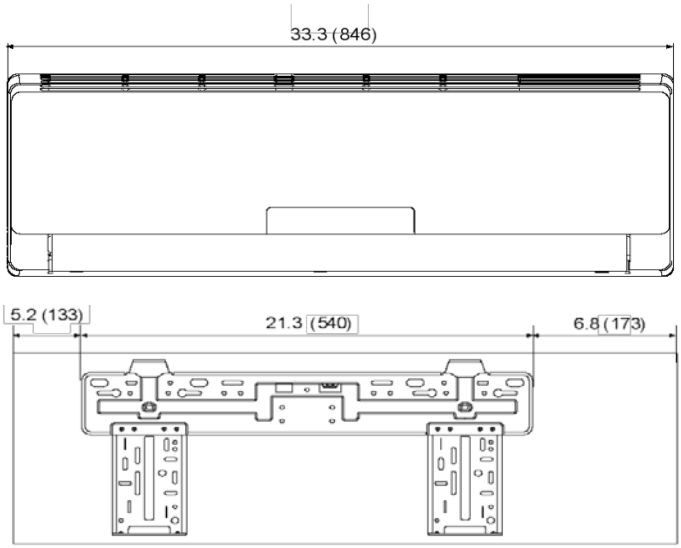
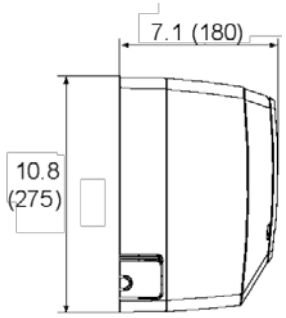
Units: inch (mm)

9,000 AND 12,000 BTUH MODELS

Model # WMI09MH16S 9,000 BTUH 230V

Model # WMI12MH16S 12,000 BTUH 230V





Indoor Capacity Size	Fan (watts)	CFM (High)	Sound Power (Low/High)**
9,000 BTUH	20	330	26/41
12,000 BTUH	20	341	28/42

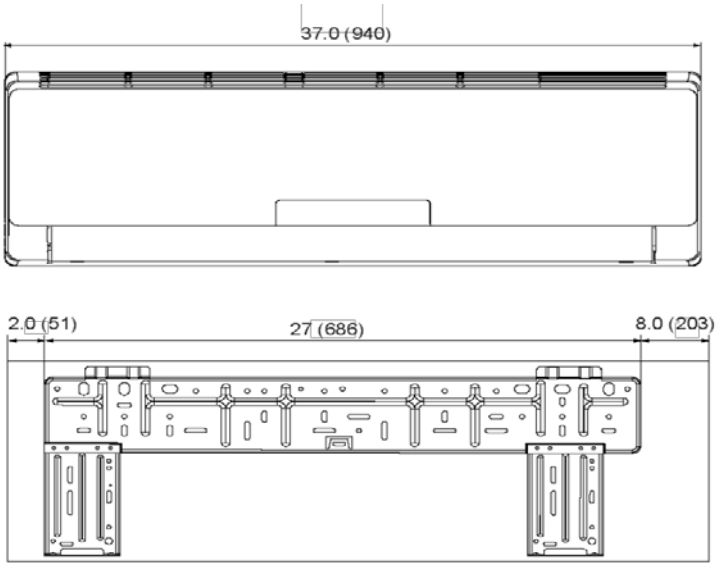
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

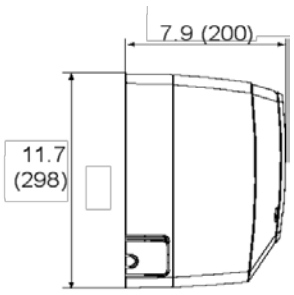
Note: Size Refrigerant lines based on evaporator port sizes.

Units: inch (mm)

18,000 BTUH MODEL

Model # WMI18MH16S 18,000 BTUH 230V





Indoor Capacity Size	Fan (watts)	CFM (High)	Sound Power (Low/High)**
18,000 BTUH	20	500	35/46

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	5/8-in OD

Note: Size Refrigerant lines based on evaporator port sizes.

**Sound Power ratings are per AHRI 270 and AHRI 350

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COOLING CAPACITY (BTUH)

Indoor Combinations	Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E
9K + 18K	8,400	16,600			
12K + 12K	12,000	12,000			
12K + 18K	10,000	15,000			
18K+ 18K	12,750	12,750			
9K + 9K + 9K	8,667	8,667	8,667		
9K + 9K + 12K	8,000	8,000	10,000		
9K + 9K + 18K	7,000	7,000	12,000		
9K + 12K + 12K	6,000	10,000	10,000		
12K + 12K + 12K	8,667	8,667	8,667		

HEATING CAPACITY (BTUH)

Indoor Combinations	Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E
9K + 18K	9,000	18,000			
12K + 12K	13,000	13,000			
12K + 18K	11,200	16,800			
18K+ 18K	14,250	14,250			
9K + 9K + 9K	9,667	9,667	9,667		
9K + 9K + 12K	9,000	9,000	11,000		
9K + 9K + 18K	6,000	6,000	17,000		
9K + 12K + 12K	6,000	11,500	11,500		
12K + 12K + 12K	9,667	9,667	9,667		

Capacity data is based on the following conditions :

Cooling Norminal Test Conditions
Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

Heating Norninal Test Conditions
Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F W

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