

Submittal Data: TM30H20 30,000 BTU/H Heat- Pump System

Job Name _____ Location _____ Date _____

Purchaser _____ Engineer _____

Submitted To _____ For Reference Approval Construction

Unit Designation _____ Schedule No. _____

GENERAL FEATURES

- Up to 4 Indoor Units Comfort (4-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	29,000 BTU/H
Capacity Range	7,500-34,000 BTU/H
Power Input (Max)	3,450 W
SEER	16

Outdoor Unit Data

Compressor	Type	DC Inverter Driven Rotary
	RLA	19.6 A
Fan Motor	Output Power	60 W
	FLA	0.6 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)	137/148 LBS
	Min. Number of Indoor Units	3
	Max. Number of Indoor Units	4

Heating at 47° F	
Rated Capacity	34,000 BTU/H
Capacity Range	7,500-36,000 BTU/H
Input Power (Max)	2,850 W
HSPF	8.2
COP	3.1

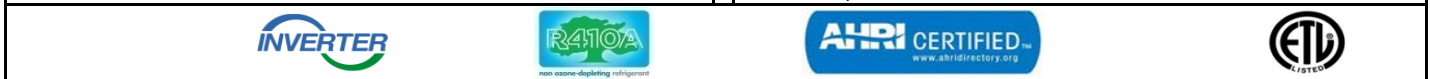
Heating at 17° F	
Rated Capacity	16,500 BTU/H

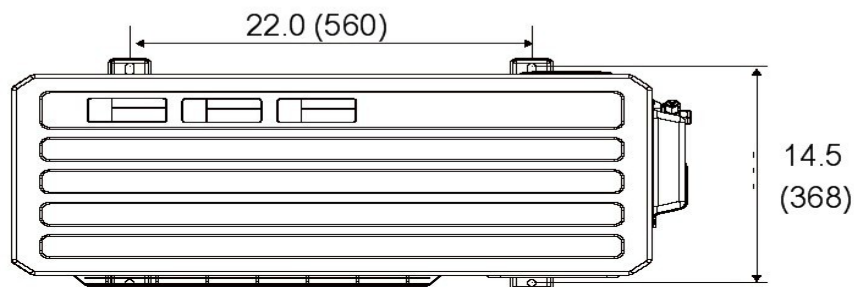
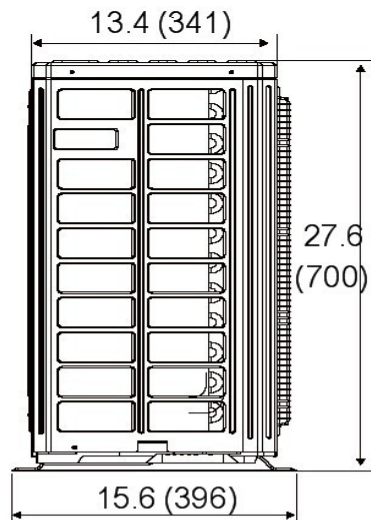
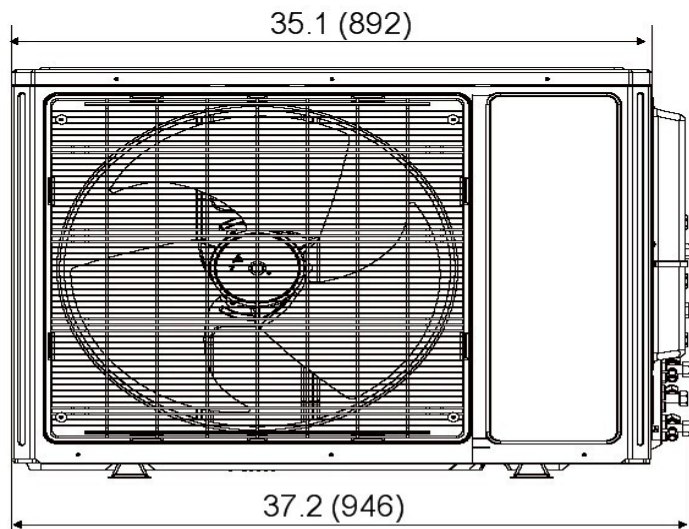
Operating Range		
Cooling	(Max)	118°F (48 C)
	(Min)	23°F (-5 C)
Heating	(Max)	80°F (27 C)
	(Min)	5°F (-15 C)

Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
Main Power Wire Size	8-2 AWG
Interconnecting Cable Wire Size	14-4 AWG
MCA	26.0 A
MOCP/Breaker Size	45 A

Refrigerant Piping Data

Connection Method	Flared
Refrigerant Type	R410A
Factory Charge for Total Line Length	130-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





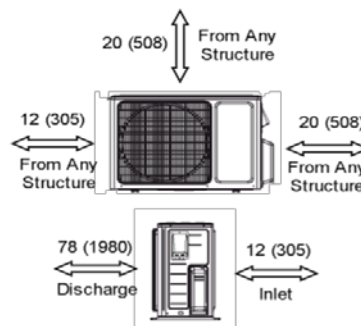
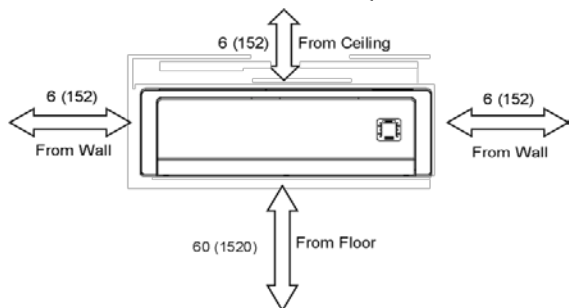
Suction/Gas Line Port Size

Port #1	3/8-in OD Flared
Port #2	3/8-in OD Flared
Port #3	3/8-in OD Flared
Port #4	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
Port #4	1/4-in OD Flared

MINIMUM SPACING REQUIREMENTS



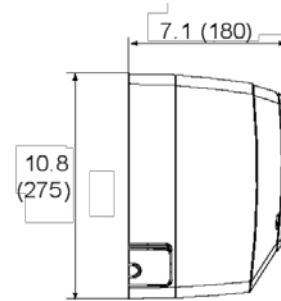
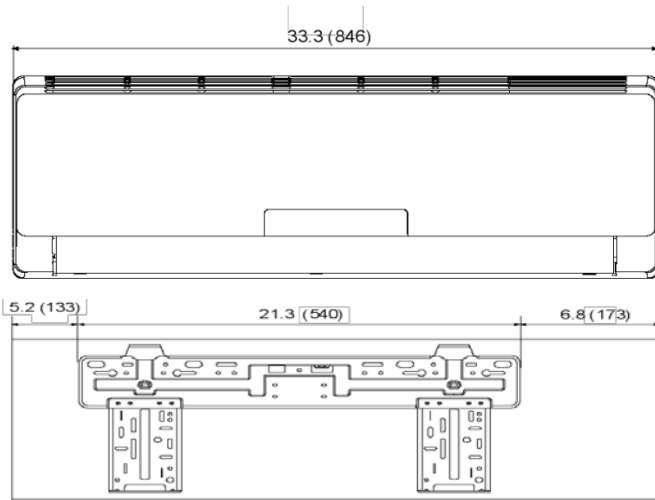
Notes:

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.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.

Units: inch (mm)

9,000 AND 12,000 BTUH MODELS



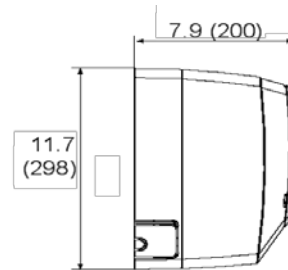
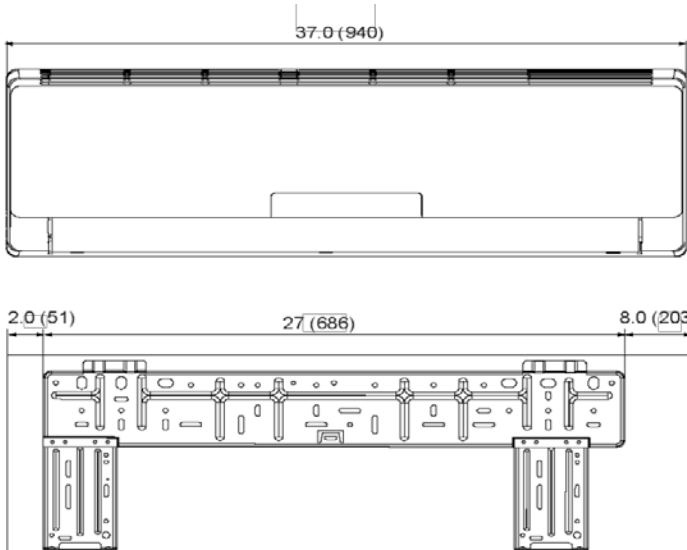
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

Note: Size Refrigerant lines based on evaporator port sizes.

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

Units: inch (mm)

18,000 BTUH MODEL



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.

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

**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 + 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		
9K + 12K + 18K	6,800	7,200	13,000		
12K + 12K + 12K	8,667	8,667	8,667		
12K + 12K + 18K	6,500	6,500	15,000		
9K + 9K + 9K + 9K	7,250	7,250	7,250	7,250	
9K + 9K + 9K + 12K	7,000	7,000	7,000	7,000	
9K + 9K + 12K + 12K	6,800	6,800	7,700	7,700	

HEATING CAPACITY (BTUH)

Indoor Combinations	Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E
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		
9K + 12K + 18K	7,050	9,350	14,100		
12K + 12K + 12K	9,667	9,667	9,667		
12K + 12K + 18K	8,700	8,700	13,100		
9K + 9K + 9K + 9K	7,625	7,625	7,625	7,625	
9K + 9K + 9K + 12K	7,100	7,100	7,100	9,200	
9K + 9K + 12K + 12K	6,500	6,500	9,000	9,000	

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 Norminal Test Conditions

Indoor: 70°F DB/60°F WB

Outdoor: 47°F DB/43°F W