

## Submittal Data

Job Name \_\_\_\_\_ Location \_\_\_\_\_  
Tag \_\_\_\_\_



### SMMS-e VRF Heat Pump Features

- 6, 8, 10, 12, & 14-ton modules available
- Modules have 2 inverter-driven twin rotary compressors
- Backup capability due to multiple compressors
- Compressor speed varied in 0.1 Hz increments for comfort and efficiency
- Direct drive, inverter-driven 64-step outdoor motor
- Modules can be combined to form larger systems, up to 38 tons
- 985 ft (300 m) actual total system piping (liquid line)

- 623 ft (190 m) actual piping length from outdoor unit to furthest fan coil
- Up to 330 ft (100 m) control wiring between outdoor units
- Up to 6560 ft (2000 m) control wiring between the outdoor unit and indoor units
- Operating temperature range  
Cooling (db): 14 to 122 F (-10 to 50 C)  
Heating (wb): -13 to 60 F (-25 to 15.6 C)
- Protection: high pressure switch, low pressure sensor and switch, process controller board fuse, inverter overload protection
- 7-year compressor limited warranty, 5-year parts limited warranty

Header Unit Model	MMY-MAP1206HT9P-UL	
<b>PERFORMANCE</b>		
Rated Cooling Capacity	Btu/h	114,000
Rated Heating Capacity	Btu/h	129,000
Maximum Total Connected Indoor Unit Capacity*		Up to 150%
<b>COOLING EFFICIENCY†</b>		
EER/IEER, Ducted FCUs		12.10 / 21.60
EER/IEER, Ductless FCUs		12.80 / 25.10
<b>HEATING EFFICIENCY†</b>		
COP at 47 F, Ducted FCUs		3.89
COP at 47 F, Ductless FCUs		3.99
Fan Type (Qty)		Propeller (1)
Airflow, Standard Range	CFM	7480
Sound Pressure, Cooling/Heating	dBA	61/62
External Static Pressure**	in. wg	0.16
<b>ELECTRICAL</b>		
Power Supply	V/Ph/Hz	208-230/3/60
Minimum Circuit Amps (MCA)	A	45.4
Recommended Fuse Size	A	50

### COMPRESSORS

Type (Number)		Inverter Twin Rotary (2)
Motor Output	kW	2 x 4.0
<b>FAN MOTOR</b>		
Motor Type (Steps)		Inverter Direct Driven (64)
Motor Output	kW	1.0
<b>PHYSICAL DATA</b>		
Pipe Connection Size - Liquid (High Pressure)	in.	1/2 (Flare)
Pipe Connection Size - Gas (Low Pressure)	in.	1-1/8 (Brazed)
Balance	in.	3/8 (Flare)
Refrigerant		R-410A
Factory Charge††	lb	25.4
External Finish		Munsell 1Y8.5/0.5
Unit Width	in.	47-9/16
Unit Height	in.	72-7/8
Unit Depth	in.	30-11/16
Unit Net Weight	lb	684

\*When total connected indoor unit capacity exceeds 135%, number and types of indoor units are limited.

†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 1230 Standard.

Cooling: Indoor 80 F (27 C) db/67 F (20 C) wb; Outdoor 95 F (35 C) db

Heating: Indoor 70 F (21 C) db; Outdoor 47 F (8 C) db/43 F (6 C) wb

\*\*Requires setting by DIP switches.

††Additional charge required.

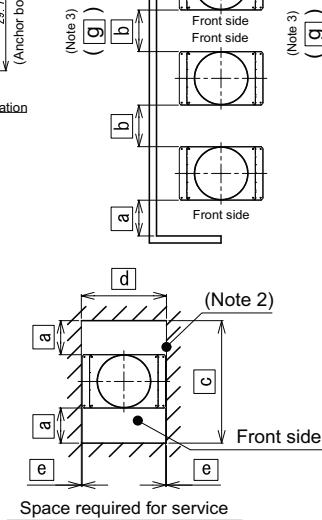
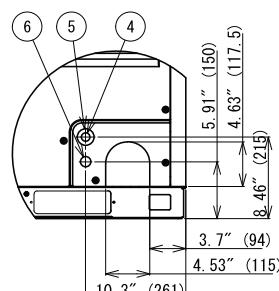
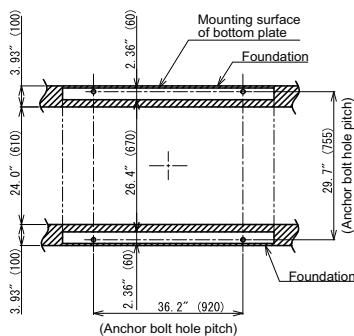
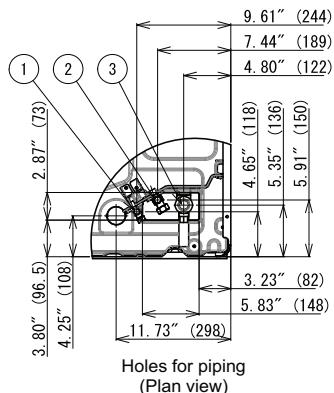
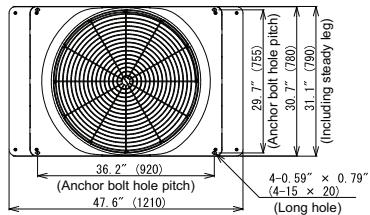
NOTE: Unit cabinet and coil slab shall be capable of withstanding 500-hour salt spray test in accordance with the ASTM (American Society for Testing and Materials, U.S.A.) B-117 Standard.

### LEGEND

db	— Dry Bulb
COP	— Coefficient of Performance
EER	— Energy Efficiency Ratio
FCU	— Fan Coil Unit
IEER	— Integrated Energy Efficiency Ratio
wb	— Wet Bulb

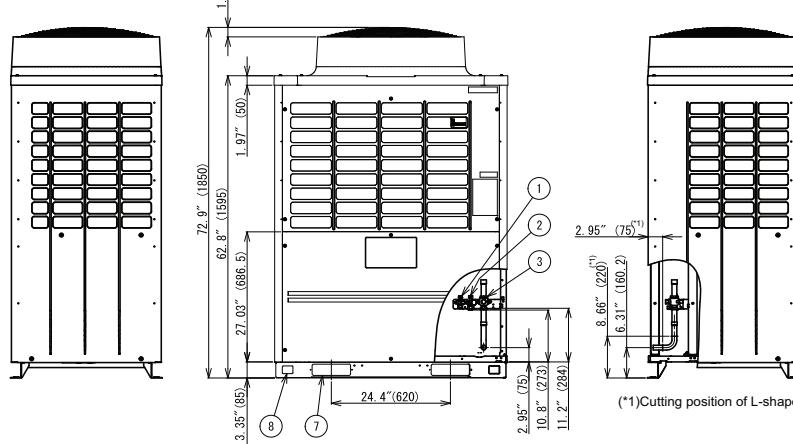
# DIMENSIONAL DRAWING

## OUTDOOR UNIT HEAT PUMP/SINGLE UNIT MMY-MAP1206HT9P-UL



[a] $\geq 19.7"$ (500)
[b] $\geq 23.6"$ (600)
[c] $\geq 70.1"$ (1780)
[d] $\geq 48.4"$ (1230)
[e] $\geq 0.39"$ (10)
[g] $\geq 39.4"$ (1000)
[h] $\leq 31.5"$ (800)

No	Parts name	Remarks
①	Balance pipe connection port	$\phi 3/8"$ (9.5)
②	Liquid pipe connection port	$\phi 1/2"$ (12.7)
③	Discharge gas pipe connection port	$\phi 1"$ (25.4)
④	Knockout hole for power wiring 1	$\phi 0.87"$ (22.2)
⑤	Knockout hole for power wiring 2	$\phi 1.72"$ (43.7)
⑥	Knockout hole for control wiring	$\phi 1.06"$ (27)
⑦	Square hole (for freight handling)	4.236" x 7.87" (4-60x200)
⑧	Square hole (for hanging)	4-1.58" x 2.17" (4-40x55)



NOTES:

- A minimum clearance of 78.7 in. (2000 mm) is required above the unit.
- Any wall or barrier should not exceed 31.5 in. (800 mm) from the bottom of the unit.
- The main pipe in front of the unit must extend at least a minimum of 19.7 in. (500 mm) before it can turn 90 degrees in either left or right direction.
- Dimensions in parentheses are in millimeters.

