Submittal Data

Job Data _________________________________ Location _______________________________
Buyer ______________________  Buyer PO # ____________ Carrier # _____________________
Unit Number ________________________ Model Number ________________________________
Performance Data Certified By_________________________ Date____________________

SHRM e VRF Outdoor Unit
MMY-MAP1206FT9P-UL - Heat Recovery

SHRM e VRF Heat Recovery Features
• 6, 8, 10, 12, and 14-ton modules available
• Capable of simultaneous cooling and heating (flow selector boxes required)
• 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
• Up to 3281 ft (1000 m) actual total system piping (liquid line)
• Up to 591 ft (180 m) actual piping length from outdoor unit to furthest fan coil
• Up to 330 ft (100 m) outdoor control wiring
• Up to 6560 ft (2000 m) control wiring between outdoor 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, PC board fuse, inverter overload protection
• 7-year compressor limited warranty, 5-year parts limited warranty

Header Unit Model MMY-MAP1206FT9P-UL

PERFORMANCE
Nominal Cooling Capacity Btu/h 119,700
Nominal Heating Capacity Btu/h 135,000
Maximum Total Connected Indoor Unit Capacity Up to 150%

SIMULTANEOUS COOLING AND HEATING EFFICIENCY*
SCHE, Ducted FCUs 27.30
SCHE, Ductless FCUs 34.90

COOLING EFFICIENCY*
EER/IEER, Ducted FCUs 12.30/21.10
EER/IEER, Ductless FCUs 12.10/28.30

HEATING EFFICIENCY*
COP at 47 F, Ducted FCUs 3.53
COP at 47 F, Ductless FCUs 3.61
Fan Type (Qty) Propeller (1)
Airflow, Standard Range CFM 7700
Sound Pressure, Cooling/Heating dBA 62/64
External Static Pressure† in. wg 0.16

ELECTRICAL
Power Supply V/Ph/Hz 208-230/3/60
Minimum Circuit Amps (MCA) A 45.4
Recommended Fuse Size A 50

COMPRESSIONS
Type (Number) Inverter Twin Rotary (2)
Motor Output kW 2 x 4.0

FAN MOTOR
Motor Type (Steps) Inverter Direct Driven (64)
Motor Output kW 1.0

PHYSICAL DATA
Pipe Connection Size - Liquid (High Pressure) in. 1/2 (Flare)
Pipe Connection Size - Gas (Low Pressure) in. 1-1/8 (Brazed)
Discharge (High Pressure) in. 3/4 (Flare)
Balance in. 3/8 (Flare)
Refrigerant R-410A
Factory Charge** lb 24.3
External Finish Munsell 1Y8.5/0.5
Unit Width in. 47.6
Unit Height in. 72.9
Unit Depth in. 30.7
Unit Net Weight lb 684

Cooling: Indoor 80 F (35 C) db/67 F (27 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
SCHE — Simultaneous Cooling and Heating Efficiency
wb — Wet Bulb

*Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

Printed in U.S.A.  Form MMY-MAP1206FT9P-UL_03  Pg 1  10-18  Replaces: MMY-MAP1206FT9P-UL_02
**NOTES:**

1. If there is an obstacle at the upper side of the outdoor unit, set the top end of the outdoor unit 78.7 in. (2000 mm) apart from the obstacle.
2. Limit the height of the obstacle surrounding the outdoor unit to 31.5 in. (800 mm) or less from the bottom end of the outdoor unit.
3. Draw out the pipe procured locally to the front of the outdoor unit horizontally and keep 19.7 in. (500 mm) or more between the outdoor unit and traversing pipe if placing pipe transversely.
4. Dimensions are in inches (mm).

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**DIMENSIONAL DRAWING**

**OUTDOOR UNIT HEAT RECOVERY/SINGLE UNIT MMY-MAP1206FT9P-UL**

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