SHRMe VRF Outdoor Unit MMY-AP4566FT6P-UL - Heat Recovery



Submittal Data

| Job Name | Location |
|----------|----------|
| Tag | |



SHRMe VRF Heat Recovery Features

- 12-ton modules combined to form a 38-ton system
- 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 comfort efficiency
- Direct drive, inverter-driven 64-step outdoor motor
- 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-MAP1686FT6P-UL | | | |
|---|--|----------------------|--|--|
| Follower Unit Model | MMY-MAP1446FT6P-UL MMY-MAP1446FT6P-UL | | | |
| PERFORMANCE | | | | |
| Rated Cooling Capacity | Btu/h | 430,000 | | |
| Rated Heating Capacity | Btu/h | 485,000 | | |
| Maximum Total Connected Indoor Unit Capacity | | Up to 150% | | |
| SIMULTANEOUS COOLING AND HEATING EFFICIENCY* | | | | |
| SCHE, Ducted FCUs | | 20.80 | | |
| SCHE, Ductless FCUs | | 23.20 | | |
| COOLING EFFICIENCY* | | | | |
| EER/IEER, Ducted FCUs | | 9.30/18.90 | | |
| EER/IEER, Ductless FCUs | | 9.30/19.40 | | |
| HEATING EFFICIENCY* | | | | |
| COP at 47 F, Ducted FCUs | | 3.20 | | |
| COP at 47 F, Ductless FCUs | | 3.20 | | |
| Fan Type (Qty) | | Propeller (6) | | |
| Airflow, Standard Range | CFM | 10,852+10,852+10,852 | | |
| Combined System Sound Pressure, Cooling/Heating | dBA | 68.1/69.1 | | |
| External Static Pressure† | in. wg | 0.16 | | |
| ELECTRICAL | | | | |
| Power Supply | V/Ph/Hz | 460/3/60 | | |
| Minimum Circuit Amps (MCA)** | Α | 29.7 + 23.4 + 23.4 | | |
| Recommended Fuse Size** | Α | 35 + 30 + 30 | | |

LEGEND

Dry Bulb Coefficient of Performance Energy Efficiency Ratio Fan Coil Unit COP

IEER

Integrated Energy Efficiency Ratio
Simultaneous Cooling and Heating Efficiency SCHE Wet Bulb

| COMPRESSORS | | |
|--|-----------------------------|--------------------------------------|
| Type (Number) | | Inverter Twin Rotary (6) |
| Motor Output | kW | 2 x 6.5 + 2 x 5.4 + 2 x 5.4 |
| FAN MOTOR | | |
| Motor Type (Steps) | Inverter Direct Driven (64) | |
| Motor Output | kW | 1.0 + 1.0 + 1.0 + 1.0 + 1.0 + 1.0 |
| PHYSICAL DATA | | |
| Main Pipe Connection Size - Liquid (High Pressure)†† | in. | 7/8 (Flare) |
| Main Pipe Connection Size - Gas (Low Pressure)†† | in. | 1-5/8 (Brazed) |
| Main Discharge (High Pressure)†† | in. | 1-3/8 (Flare) |
| Balance | in. | 3/8 (Flare) |
| Refrigerant | | R-410A |
| Factory Charge*** | lb | 3 x 24.3 |
| External Finish | Munsell 1Y8.5/0.5 | |
| Header Unit/Follower Unit Width | in. | 63.0 / 63.0 / 63.0 |
| Header Unit/Follower Unit Height | in. | 72.9 / 72.9 / 72.9 |
| Header Unit/Follower Unit Depth | in. | 30.7 / 30.7 / 30.7 |
| Header Unit/Follower Unit Net Weight | lb | 838 + 838 + 838 |
| REQUIRED ACCESSORY | | |
| Connection Kit | | RBM-BT24FUL RBM-BT24FUL |

*Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 1230

Startdard.

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.

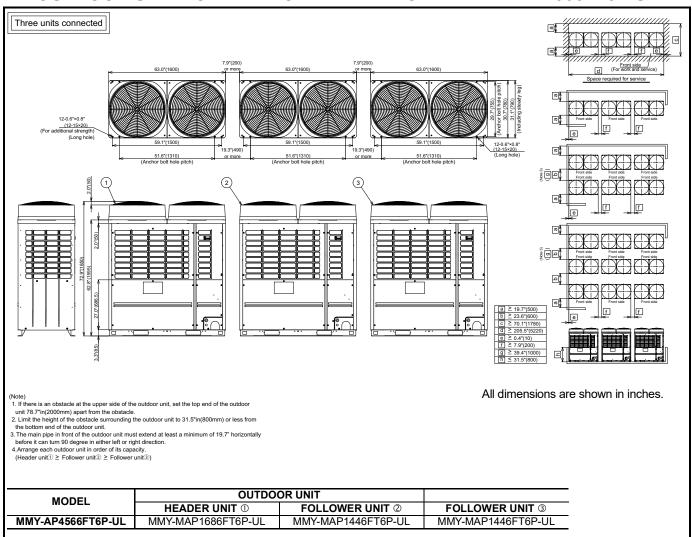
**Coparate power supply is required. MCA and fuse size for both units are given.

*Additional charges required.

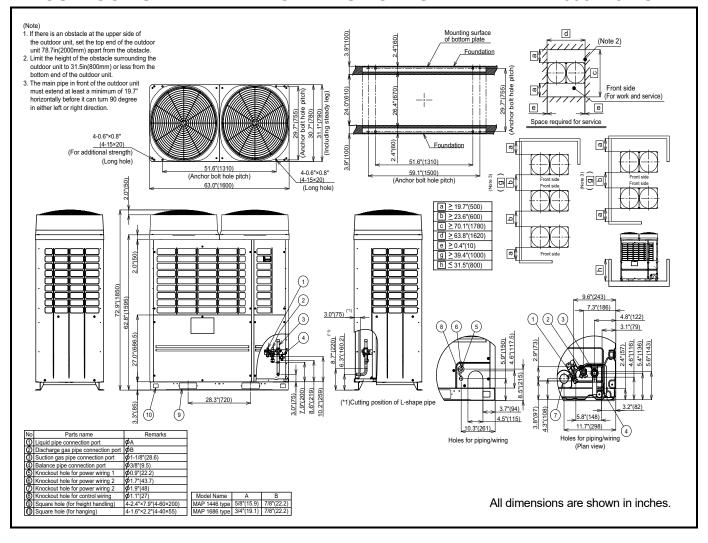
NOTE: Unit cabinet and coil slab shall be capable of withstanding 500-hour salt spray test in accordance with the ASTM (American Society for Testing and Materials, U.S.A.) B-117 Standard.

^{††}Main pipe size leaving connection kit.

DIMENSIONAL DRAWING OUTDOOR UNIT COMBINATION HEAT RECOVERY MMY-AP4566FT6P-UL



DIMENSIONAL DRAWING OUTDOOR UNIT HEAT RECOVERY/SINGLE UNIT MMY-MAP1686FT6P-UL



DIMENSIONAL DRAWING OUTDOOR UNIT HEAT RECOVERY/SINGLE UNIT MMY-MAP1446FT6P-UL

