

|              |              |               |
|--------------|--------------|---------------|
| PURCHASER    | P.O. #       | DATE          |
| PROJECT      | LOCATION     |               |
| ENGINEER     | ARCHITECT    |               |
| SUBMITTED BY | FOR APPROVAL | FOR REFERENCE |

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING BTU/H | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|---------------|---------|-----------------|
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |



### 115 volt

#### MM09YJ

9000 Btu cooling  
9800 Btu heating

#### MM12YJ

11800 Btu cooling  
13000 Btu heating



### Comfort & Convenience

- All models offer heating and cooling capabilities
- Inverter technology is more energy efficient and can self-adjust capacity to match cooling needs
- Multiple operating modes including: AUTO, COOL, DRY (dehumidification), FAN ONLY and HEAT
- TURBO mode operates the unit at maximum performance to quickly bring the room to set temperature
- 4 fan speeds heating or cooling: HIGH, MEDIUM, LOW, "QUIET", plus AUTO-FAN
- Continuous 'Air Sweep' UP & DOWN
- LCD remote
- 24-hour timer and sleep timer
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, long-life, antimicrobial air filters
- 230 volt models provide cooling in outdoor temperatures down to 5° F
- 4 different transmitter codes to prevent unintentional interference with nearby units



### 230/208 volt

#### MM18YJ

18000 Btu cooling  
23000 Btu heating

#### MM24YJ

22000 Btu cooling  
26600 Btu heating



# SPECIFICATIONS

| 2014 Mid-Tier PERFORMANCE RATINGS          |            |                             |                             |                            |                             |
|--------------------------------------------|------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|
| SYSTEM MODEL NO.                           |            | MM09YJ                      | MM12YJ                      | MM18YJ                     | MM24YJ                      |
| INDOOR MODEL                               |            | MWM09Y1J                    | MWM12Y1J                    | MWM18Y3J                   | MWM24Y3J                    |
| OUTDOOR MODEL                              |            | MRM09Y1J                    | MRM12Y1J                    | MRM18Y3J                   | MRM24Y3J                    |
| CAPACITY COOLING (RATED)                   | Btu        | 9000                        | 11800                       | 18000                      | 22000                       |
| CAPACITY COOLING MIN - MAX                 | Btu        | 3500~11000                  | 3300~12500                  | 4500~21000                 | 6400~24000                  |
| COOLING AMPS                               |            | 9.00                        | 15.00                       | 7.85/7.10                  | 11.50/10.50                 |
| HEATING AMPS                               |            | 9.50                        | 15.5                        | 10.60/11.80                | 12.80/13.00                 |
| SENSIBLE HEAT RATIO                        |            | 0.79                        | 0.73                        | 0.77                       | 0.77                        |
| CAPACITY HEATING (RATED) @ 47°F            | Btu        | 9800                        | 13000                       | 23000                      | 26600                       |
| CAPACITY HEATING MIN - MAX                 | Btu        | 2500~11000                  | 3400~13500                  | 4000~23000                 | 4100~26600                  |
| CAPACITY HEATING (RATED) @ 17°F            | Btu        | 5400                        | 8500                        | 12000                      | 18600                       |
| HSPF                                       |            | 8.6                         | 8.6                         | 8.5                        | 8.5                         |
| SEER                                       |            | 16.0                        | 16.0                        | 16.0                       | 16.0                        |
| EER                                        |            | 12.00                       | 9.40                        | 11.11                      | 10.00                       |
| ENERGY STAR                                |            | Y                           | N                           | N                          | N                           |
| MOISTURE REMOVAL                           | Pts/h      | 1.69                        | 2.96                        | 3.80                       | 4.50                        |
| AIRFLOW (HIGH/MED/LOW/QUIET)               | CFM        | 330/277/224/188             | 341/288/235/200             | 471/400/330/271            | 588/441/306/206             |
| SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET) | dB-A       | 41/37/35/32                 | 43/39/35/32                 | 48/43/38/34                | 49/43/39/34                 |
| SOUND RATING - OUTDOOR                     | dB-A       | 53                          | 55                          | 56                         | 53                          |
| OPERATING RANGE (HEATING)                  | °F         | 5-75                        | 5-75                        | -4-75                      | 19-75                       |
| OPERATING RANGE (COOLING)                  | °F         | 32*-113                     | 32*-113                     | 5-118                      | 5-115                       |
| EST. YEARLY OPERATING COST                 | U.S. \$    | 67                          | 113                         | 146                        | 198                         |
| ELECTRICAL DATA                            |            |                             |                             |                            |                             |
| POWER SOURCE                               | V/Hz/Phase | 115/60/1                    | 115/60/1                    | 208/230/60/1               | 208/230/60/1                |
| MIN. AMPACITY                              | A          | 13                          | 15                          | 15                         | 16                          |
| COOLING WATTS                              | W          | 750                         | 1260                        | 1620                       | 2200                        |
| HEATING WATTS                              | W          | 830                         | 1320                        | 2400                       | 2800                        |
| MAX. TD FUSE/BREAKER                       | A          | 20                          | 25                          | 25                         | 25                          |
| REFRIGERATION SYSTEM                       |            |                             |                             |                            |                             |
| REFRIGERANT                                |            | R410A                       | R410A                       | R410A                      | R410A                       |
| COMPRESSOR TYPE                            |            | Inverter                    | Inverter                    | Inverter                   | Inverter                    |
| CONNECTIONS                                |            | Flare                       | Flare                       | Flare                      | Flare                       |
| LIQUID LINE O.D.                           | in         | 1/4"                        | 1/4"                        | 1/4"                       | 1/4"                        |
| SUCTION LINE O.D.                          | in         | 3/8"                        | 3/8"                        | 1/2"                       | 1/2"                        |
| REFRIGERANT CHARGE                         | oz.        | 35.3                        | 35.3                        | 45.8                       | 54.7                        |
| FACTORY PRECHARGE                          | ft         | 24.6                        | 24.6                        | 24.6                       | 24.6                        |
| MAX. LINE LENGTH                           | ft         | 65                          | 65                          | 82                         | 82                          |
| MAX. HEIGHT DIFFERENCE                     | ft         | 32                          | 32                          | 32                         | 32                          |
| DIMENSIONS & WEIGHT                        |            |                             |                             |                            |                             |
| INDOOR UNIT                                |            |                             |                             |                            |                             |
| L X W X H                                  | in         | 33 5/16"×13 9/16"×10 7/8"   | 33 5/16"×13 9/16"×10 7/8"   | 37 5/16"×15 1/8"×12 3/16"  | 42 3/8"×15 11/16"×12 15/16" |
| NET WEIGHT                                 | lbs        | 19                          | 19                          | 26                         | 33                          |
| SHIPPING WEIGHT                            | lbs        | 25                          | 25                          | 35                         | 44                          |
| OUTDOOR UNIT                               |            |                             |                             |                            |                             |
| L X W X H                                  | in         | 34 11/16"×14 5/16"×23 7/16" | 34 11/16"×14 5/16"×23 7/16" | 40 9/16"×18 1/16"×29 9/16" | 40 9/16"×18 1/16"×29 9/16"  |
| NET WEIGHT                                 | lbs        | 68                          | 68                          | 106                        | 115                         |
| SHIPPING WEIGHT                            | lbs        | 77                          | 77                          | 117                        | 126                         |
| TOTAL NET WEIGHT                           | lbs        | 87                          | 87                          | 132                        | 148                         |
| TOTAL SHIPPING WEIGHT                      | lbs        | 102                         | 102                         | 152                        | 170                         |

\*Capacity is reduced as 32 degrees Fahrenheit is approached.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

