

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

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

### Features

- LCD remote for each indoor unit
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Four fan speeds heating or cooling: high/medium/low/quiet, plus auto-fan
- Continuous 'Air Sweep' UP/DOWN
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, reusable air filters
- Removable front grille
- Auto-changeover (heat pump models)
- Secured remote control holder
- Four different transmitter codes to prevent unintentional interference with nearby units



MW18DYF, M21DYF  
M24DYF

### All Inverter line



MR24DY3FM

# Specifications

| PERFORMANCE RATINGS   |                                |                                |                 |                                |
|---|--------------------------------|--------------------------------|-----------------|--------------------------------|
| SYSTEM MODEL NO.  | M18DYF                         | M21DYF                         |                 | M24DYF                         |
| INDOOR MODEL  | 2 x MW09Y3FM                   | MW09Y3FM                       | MW12Y3FM        | 2 x MW12Y3FM                   |
| OUTDOOR MODEL   | MR24DY3FM                      | MR24DY3FM                      |                 | MR24DY3FM                      |
| Capacity Cooling Btu  | 9500 ea.                       | 9500                           | 12000           | 12000 ea.                      |
| CAPACITY COOLING MIN - MAX Btu  | 5100-11300 ea.                 | 5100-11300 ea.                 | 5100-13600 ea.  | 5100-13600 ea.                 |
| SENSIBLE HEAT RATIO   | 0.77                           | 0.77                           | 0.77            | 0.77                           |
| CAPACITY HEATING @ 47°F Btu   | 11000 ea.                      | 11000 ea.                      | 14000           | 14000 ea.                      |
| CAPACITY HEATING MIN - MAX Btu  | 5100-13000 ea.                 | 5100-13000 ea.                 | 5100-15400 ea.  | 5100-15400 ea.                 |
| CAPACITY HEATING @ 17°F Btu   | 9500 ea.                       | 9500 ea.                       | 11000           | 10500 ea.                      |
| HSPF  | 9.0                            | 9.0                            |                 | 9.0                            |
| SEER  | 16.5                           | 16.5                           |                 | 16.5                           |
| EER   | 12.2                           | 11.2                           |                 | 10.4                           |
| ENERGY STAR   | YES                            | NO                             |                 | NO                             |
| MOISTURE REMOVAL Pts/h  | 2.9 ea.                        | 2.9 ea.                        | 3.7 ea.         | 3.7 ea.                        |
| AIRFLOW (QUIET, LOW, MED, HIGH) CFM   | 185,220,260,295                | 185,220,260,295                | 215,250,305,355 | 215,250,305,355                |
| SOUND RATING - INDOOR dB-A  | 27,29,33,37                    | 27,29,33,37                    | 30,34,39,42     | 30,34,39,42                    |
| SOUND RATING - OUTDOOR dB-A   | 52                             | 52                             |                 | 52                             |
| OPERATING RANGE (HEATING) °F  | 0 - 115 (14 - 75)              | 0 - 115 (14 - 75)              |                 | 0 - 115 (14 - 75)              |
| EST. YEARLY OPERATING COST  | \$128                          | \$152                          | \$152           | \$184                          |
| ELECTRICAL DATA (ALL INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNIT; VALUES LISTED ARE TOTAL) |                                |                                |                 |                                |
| POWER SOURCE  | 230/(208)-60-1                 | 230/(208)-60-1                 |                 | 230/(208)-60-1                 |
| MIN. AMPACITY A   | 15                             | 15                             |                 | 15                             |
| COOLING WATTS W   | 1600                           | 1900                           |                 | 2300                           |
| MAX. TD FUSE/BREAKER A  | 20                             | 20                             |                 | 20                             |
| REFRIGERATION SYSTEM  |                                |                                |                 |                                |
| REFRIGERANT   | R410A                          | R410A                          |                 | R410A                          |
| COMPRESSOR TYPE   | Inverter                       | Inverter                       |                 | Inverter                       |
| CONNECTIONS   | 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"                           | 3/8"            | 3/8"                           |
| FACTORY PRECHARGE ft  | 98'                            | 98'                            |                 | 98'                            |
| MAX. LINE LENGTH ft   | Each unit:82 Total:98          | Each unit:82 Total:98          |                 | Each unit:82 Total:98          |
| MAX. HEIGHT DIFFERENCE ft   | 33'                            | 33'                            |                 | 33'                            |
| DIMENSIONS & WEIGHT   |                                |                                |                 |                                |
| INDOOR UNIT   |                                |                                |                 |                                |
| W X H X D in  | 31 1/8" x 10 7/8" x 8 1/2" ea. | 31 1/8" x 10 7/8" x 8 1/2" ea. |                 | 31 1/8" x 10 7/8" x 8 1/2" ea. |
| NET WEIGHT lbs  | 21 ea.                         | 21                             | 21              | 21 ea.                         |
| SHIPPING WEIGHT lbs   | 26 ea.                         | 26                             | 26              | 26 ea.                         |
| OUTDOOR UNIT  |                                |                                |                 |                                |
| W X H X D in  | 35 3/8" x 32 5/8" x 13"        | 35 3/8" x 32 5/8" x 13"        |                 | 35 3/8" x 32 5/8" x 13"        |
| NET WEIGHT lbs  | 136                            | 136                            |                 | 136                            |
| SHIPPING WEIGHT lbs   | 154                            | 154                            |                 | 154                            |



NOTE: All models have low ambient capabilities built-in. Capacity is reduced as 0 degrees Fahrenheit is approached.

NOTE: All R410A models have 1/2" UNF 20 thread per inch charging and vacuuming ports. An adapter must be used for 1/4" gauges. Adapter part number 67270018 is available through Friedrich parts distributors.

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

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$ .1065 per kWh. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

## Refrigeration line sets

| USED WITH:                          | LENGTH-FT. | LIQUID | SUCTION | KIT#   |
|-------------------------------------|------------|--------|---------|--------|
| All 9000 and 12000 Btu indoor units | 15'        | 1/4"   | 3/8"    | T32150 |
|                                     | 35'        | 1/4"   | 3/8"    | T32350 |



Insulated line sets are available for all Friedrich split systems in 15 ft. and 35 ft. lengths. Each line set is equipped with flare nuts on both ends. Both liquid and suction lines are insulated. Line sets can be joined together with field supplied double female connectors. Each system requires one line set for each indoor unit installed. On multi-zone systems, line sets should be ordered based on individual indoor unit capacities not total system capacity. For example, a M18DYF uses 2 line sets for 9,000 Btu units, not 1 for the 18,000 Btu product.

