Features

- Inverter technology (variable speed compressor)
- Internal condensate pump included with up to 27-1/2” lift*
- Natural air flow
- 4-Way cooling
- Surge cool/heat
- Cooling/Heating/Fan mode
- Dry Mode
- Sleep mode
- Built-in low ambient standard, down to 14°F (Cooling mode)
- Independent vane control
- 5 Fan speeds
- Evaporator frost control
- 24-hour on/off timer
- Auto restart
- Auto changeover
- Temperature display on remote
- Ultra-quiet turbo fan
- DiamonGold Advanced Corrosion Protection™
- Clean, modern look
- Flexible installation
- ENERGY STAR® qualified models
- Precise air distribution
- BLDC Motors

* Lift from drain pan to drain outlet. Use external drain pump for installations requiring condensate lift exceeding 27 1/2”

NOTE: Grilles are sold separately
### PERFORMANCE RATINGS

<table>
<thead>
<tr>
<th>Single Zone Cassette - Heat Pump</th>
<th>24k</th>
<th>36k</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SYSTEM MODEL NO.</strong></td>
<td>C24YJ</td>
<td>C36YJ</td>
</tr>
<tr>
<td><strong>INDOOR MODEL</strong></td>
<td>MC24Y3J</td>
<td>MC36Y3J</td>
</tr>
<tr>
<td><strong>OUTDOOR MODEL</strong></td>
<td>MR24UY3J</td>
<td>MR36UY3J</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

**CAPACITY COOLING (RATED)**  
Btu: 24,000 36,000

**CAPACITY COOLING (MIN-MAX)**  
Btu: 9,700–26,700 14,000–42,000

**CAPACITY HEATING @ 47°F (RATED)**  
Btu: 27,000 40,000

**CAPACITY HEATING @ 17°F (RATED)**  
Btu: 16,600 26,000

**CAPACITY HEATING (MIN-MAX)**  
Btu: 10,900–30,000 14,500–45,000

**COOLING AMPS**  
15.1 20.2

**HEATING AMPS**  
15.1 20.8

**SENSIBLE HEAT RATIO**  
.77 .76

**SEER**  
17.0 19.0

**EER**  
12.6 13.5

**HSPF**  
9.7 9.5

**ENERGY STAR**  
* Yes Yes

**MOISTURE REMOVAL**  
Pts/h: 5.1 7.7

**AIRFLOW (LOW, MED, HIGH)**  
CFM: 459 / 530 / 600 918 / 989 / 1,060

**SOUND RATING - INDOOR**  
dBA: 38/36/34 46/44/43

**SOUND RATING - OUTDOOR**  
dBA: 62 67

**OPERATING RANGE (COOLING)**  
°F: 5–118 5–118

**OPERATING RANGE (HEATING)**  
°F: –4–64 –4–64

**EST. YEARLY OPERATING COST**  
$172 240

### ELECTRICAL DATA

**POWER SOURCE**  
V: 208/230/60/1 208/230/60/1

**MINIMUM AMPACITY**  
A: 18.1 24.5

**COOLING WATTS**  
W: 1910 2970

**MAX. TD FUSE/BREAKER**  
A: 30 40

**POWER AND COMMUNICATION CABLE**  
No. x AWG: 4 x 14 4 x 14

### REFRIGERATION SYSTEM

**REFRIGERANT**  
R410A R410A

**COMPRESSOR TYPE**  
Twin Rotary Twin Rotary

**CONNECTIONS**  
Flare Flare

**LIQUID LINE O.D.**  
in: 3/8 3/8

**SUCTION LINE O.D.**  
in: 5/8 5/8

**FACTORY PRECHARGE**  
f: 25 25

**REFRIGERANT CHARGE**  
oz: 71 120

**MIN./MAX. LINE LENGTH**  
ft: 25–164 25–246

**MAX. HEIGHT DIFFERENCE**  
ft: 98 98

### DIMENSIONS & WEIGHT

**INDOOR UNIT**  
W x H x D: 33-1/16 x 8-1/16 x 33-1/16 33-1/16 x 11-3/8 x 33-1/16

**NET WEIGHT**  
lbs: 45 54

**SHIPPING WEIGHT**  
lbs: 58 65

**INDOOR UNIT GRILLE**  
**W x H x D**: 37-3/8 x 15/16 x 37-3/8 37-3/8 x 15/16 x 37-3/8

**INDOOR UNIT GRILLE**  
**NET WEIGHT**  
lbs: 11 11

**OUTDOOR UNIT**  
W x H x D: 37-7/16 x 32-7/8 x 13 37-13/32 x 54-3/8 x 13

**NET WEIGHT**  
lbs: 132 203

**SHIPPING WEIGHT**  
lbs: 144 227

**TOTAL NET WEIGHT**  
lbs: 178 257

**TOTAL SHIPPING WEIGHT**  
lbs: 203 293

---

### Refrigeration line sets*

<table>
<thead>
<tr>
<th>USED WITH</th>
<th>Length Ft.</th>
<th>Liquid</th>
<th>Suction</th>
<th>Kit#</th>
</tr>
</thead>
<tbody>
<tr>
<td>9000 and 12000 BTU indoor units</td>
<td>15’</td>
<td>1/4”</td>
<td>3/8”</td>
<td>T32150</td>
</tr>
<tr>
<td>18000 BTU indoor units</td>
<td>35’</td>
<td>1/4”</td>
<td>1/2”</td>
<td>T42150</td>
</tr>
<tr>
<td>24000,30000 and 36000 BTU indoor units</td>
<td>15’</td>
<td>3/8”</td>
<td>5/8”</td>
<td>T53150</td>
</tr>
<tr>
<td>BTU indoor units</td>
<td>35’</td>
<td>3/8”</td>
<td>5/8”</td>
<td>T53350</td>
</tr>
</tbody>
</table>

*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 male 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.

**Ceiling Cassette Grilles (required accessory)**

<table>
<thead>
<tr>
<th>DECORATIVE GRILLE</th>
<th>USED WITH</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCG2436</td>
<td>MC24Y3J, MC36Y3J models</td>
</tr>
</tbody>
</table>

**Thermostat**

DWC1

Available for all models

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on an electricity cost of $.115 per kWh. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

*System meets ENERGY STAR® published minimums.

**Models require grilled. Sold separately.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.
DIMENSIONAL DRAWINGS
INDOOR UNITS / MC24Y3J

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gas Pipe Connection</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Liquid Pipe Connection</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>Drain Pipe Connection</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Power and Communication cable routing whole</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>Wired remote controller wire routing hole</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>Air Inlet</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>Air Outlet</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>Decoration Panel (Accessory)</td>
<td>DCG02436</td>
</tr>
<tr>
<td>9</td>
<td>Decoration Corner Cover</td>
<td>Supplied with panel</td>
</tr>
<tr>
<td>10</td>
<td>Flexible Drain Hose</td>
<td>Supplied with product</td>
</tr>
</tbody>
</table>

Note
1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
4. Electric characteristics chapter should be considered for electrical work and design. Especially, the power cable and circuit breaker should be selected in accordance with that.
DIMENSIONAL DRAWINGS
INDOOR UNITS / MC36Y3J

Item No. | Part Name                     | Description
---------|-------------------------------|-----------------|
1        | Gas Pipe Connection           | -               |
2        | Liquid Pipe Connection        | -               |
3        | Drain Pipe Connection         | -               |
4        | Power and Communication cable routing whole | - |
5        | Wired remote controller wire routing hole | - |
6        | Air Inlet                     | -               |
7        | Air Outlet                    | -               |
8        | Decoration Panel (Accessory)  | DCG2436         |
9        | Decoration Corner Cover       | Supplied with panel |
10       | Flexible Drain Hose           | Supplied with product |

Note
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DIMENSIONAL DRAWINGS
OUTDOOR UNITS / MR24UY3J

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<th>Part Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Air Outlet</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Power and communication cable hole</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Gas Pipe Connection</td>
<td>Flare Joint</td>
</tr>
<tr>
<td>4</td>
<td>Liquid Pipe Connection</td>
<td>Flare Joint</td>
</tr>
<tr>
<td>5</td>
<td>Handle</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Pipe routing hole (front)</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>Pipe routing hole (side)</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>Pipe routing hole (back)</td>
<td>-</td>
</tr>
</tbody>
</table>

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