Commercial Refrigeration

AZURE®
Digi-Motor®

- High Efficiency ECM
- Programmable with your smart phone
- Simple 1 or 2 speed operation
- 115/230 volt
- 600 - 2000 RPM
- Reversible

10852  1/15 - 1/22 HP
10891  4 - 25 Watt
08505  Programming Module
08515  Thermistors

Program These Motors With Your Cell Phone
**Walk-In Cooler Applications**

Drop in 3.3” ECM replaces most OEM / ECM / PSC and standard shaded pole commercial refrigeration evaporator fan motors up to 1/15 HP for walk-in cooler/freezer applications. With the Azure Programmer app (available for download from the Google Play and Apple stores), speed and rotation can be field programmed using a smartphone and the optional programming module. A thermistor kit can convert the motor to 2-speed operation without the need for a separate 2-speed controller. Smart microprocessor automatically adapts to the system load up to 1/15HP and voltage up to 230V.

**Estimated energy savings based on replacement of a 1/20 HP shaded pole evaporator fan motor with Azure® at $0.11/kWh. $65 savings is based solely on the reduction of power consumption. An additional savings of approximately 40% will result from the reduction of the refrigeration load due to Azure®’s lower operating temperature.**

**MARS Item No. 10852 Specifications:**
- Horsepower: 1/15 - 1/25
- Voltage: 115/230
- Amps (Max): 1.3/0.65
- Rotation: CCWLE*
- **Speed 1:** 1550 RPM (600-2000)*
- **Speed 2:** 1550 RPM (600-2000)*
- Efficiency: 68%
- Estimated Energy Savings*: $65/year ($91/year total)*
- Operating Range: -40° to 131°F
- OL Protection: Electronic
- Bearing: Ball
- Wire Connector: Lyall Plug
- Listings: UL/cUL

**Reach-In Cooler/Case Applications**

Submersible watt motor replaces most OEM / ECM / PSC and standard shaded pole commercial refrigeration evaporator and condenser fan motors 4 - 25 W for reach-in cooler/freezer applications. The microprocessor sets power output to match the fan load ensuring correct CFM and maximum efficiency in every installation. With the Azure Programmer app (available for download from the Google Play and Apple stores), speed and rotation can be field programmed using a smartphone and the optional programming module. Smart microprocessor automatically adapts to the system load (4 - 25W) and voltage up to 230V.

**Estimated energy savings based on replacement of a 9 W shaded pole evaporator fan motor with Azure® at $0.11/kWh. $33 savings is based solely on the reduction of power consumption. An additional savings of approximately 40% will result from the reduction of the refrigeration load due to Azure®’s lower operating temperature.**

**MARS Item No. 10891 Specifications:**
- Wattage: 4 - 25
- Voltage: 115/230
- Amps (Max): 0.47/0.33
- Rotation: CWLE*
- Speed: 1550 RPM (600-2000)*
- Efficiency: 68%
- Estimated Energy Savings: $33/year ($46/year total)**
- Operating Range: -40° to 131°F
- OL Protection: Electronic
- Bearing: Ball
- Wire Connector: 90° Angle Lyall Plug
- Listings: UL/cUL
- IP Rating: IP 67 (Submersible)

**Power Consumption**

<table>
<thead>
<tr>
<th>Fan Load</th>
<th>Standard Motor Power Consumption</th>
<th>Azure® Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/20 HP</td>
<td>105 W</td>
<td>43 W</td>
</tr>
<tr>
<td>1/15 HP</td>
<td>139 W</td>
<td>57 W</td>
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</tbody>
</table>

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<tr>
<th>Fan Load</th>
<th>Standard Motor Power Consumption</th>
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<tbody>
<tr>
<td>4 W</td>
<td>28 W</td>
<td>6 W</td>
</tr>
<tr>
<td>9 W</td>
<td>47 W</td>
<td>14 W</td>
</tr>
<tr>
<td>16 W</td>
<td>77 W</td>
<td>30 W</td>
</tr>
</tbody>
</table>

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