RESCUE PERFECTSPEED® ECM with User Interface
For enhanced capabilities

• Enhances RESCUE PERFECTSPEED® ECM capabilities by providing onboard or remote speed adjustment
• User Interface provides precise control of the RESCUE PERFECTSPEED® ECM
• Onboard speed adjustment allows simple set-up and balancing in air moving systems
• 0-10V input compatible with common HAC and building management systems

Product Overview

The PERFECTSPEED® User Interface expands the capabilities of PERFECTSPEED EC motors by providing greater control and flexibility. The User Interface allows direct control of the motor via an onboard pot or remote potentiometer. The User Interface can also control the PERFECTSPEED motor via a common 0-10V input. The User Interface can be mounted directly to the motor or remote mounted within the equipment.

Key Features and Benefits

• Up to 82% efficient, 30% better than common PSC motors
• 0-10VDC or onboard potentiometer
• LED display indicates speed and percentage of demand
• User Interface mounted directly to the motor or remote mounted within the unit enclosure
• Optional remote potentiometer (customer supplied) allows control from up to 3’ away

Specifications

Horsepower: 1/2-1/3, 1-3/4 HP
Voltage: 1Ø, 115/208-230 or 277 Volts
Speeds: 300-1200 or 300-1800 RPM
Inputs: 0-10VDC, remote potentiometer or onboard pot
Operation Mode: Constant Torque
Frame: NEMA® 48
Enclosure: Open Air Over (OAO)
Mounting: Belly-band
RESCUE PERFECTSPEED® ECM with User Interface

- User Interface can be mounted directly to the motor control or remotely, providing easy access.
- Vertical or horizontal mounting to a standard receptacle box using mounting holes provided.
- Adjust motor speed by using the onboard potentiometer or a user-supplied external potentiometer.
- Powered off any line voltage from 115V-277V no separate transformer required.
- User Interface display alternates between motor speed and input demand.

### HP RPM Voltage Catalog Number Amps HZ Rotation Shell Length (A) Module Length (C) Total Length (B) Ship Wt. (lb)

#### 1200 RPM

<table>
<thead>
<tr>
<th>HP</th>
<th>RPM</th>
<th>Voltage</th>
<th>Catalog Number</th>
<th>Amps</th>
<th>HZ</th>
<th>Rotation</th>
<th>Shell Length (A)</th>
<th>Module Length (C)</th>
<th>Total Length (B)</th>
<th>Ship Wt.</th>
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<tbody>
<tr>
<td>1/2-1/3</td>
<td>300-1200</td>
<td>115/208-230</td>
<td>8630UI</td>
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<td>50/60</td>
<td>CWLE</td>
<td>3.531</td>
<td>2.719</td>
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<td>115/208-230</td>
<td>8631UI</td>
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#### 1800 RPM

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<th>Catalog Number</th>
<th>Amps</th>
<th>HZ</th>
<th>Rotation</th>
<th>Shell Length (A)</th>
<th>Module Length (C)</th>
<th>Total Length (B)</th>
<th>Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2-1/3</td>
<td>300-1200</td>
<td>120/208-240V</td>
<td>8430UI</td>
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<td>CWLE</td>
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<td>1/2-1/3</td>
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<td>120/240</td>
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<td>2.219</td>
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