

RESCUE® PERFECTSPEED® ECM with User Interface and Rigid Base

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



Product Specifications

Horsepower: 1/2-1/3, 1-3/4 HP

Voltage: 1Ø, 115/208-230

Speeds: 300-1200 or 300-1800 RPM

Inputs: 0-10VDC, remote potentiometer or onboard pot

Operation Mode: Constant Torque

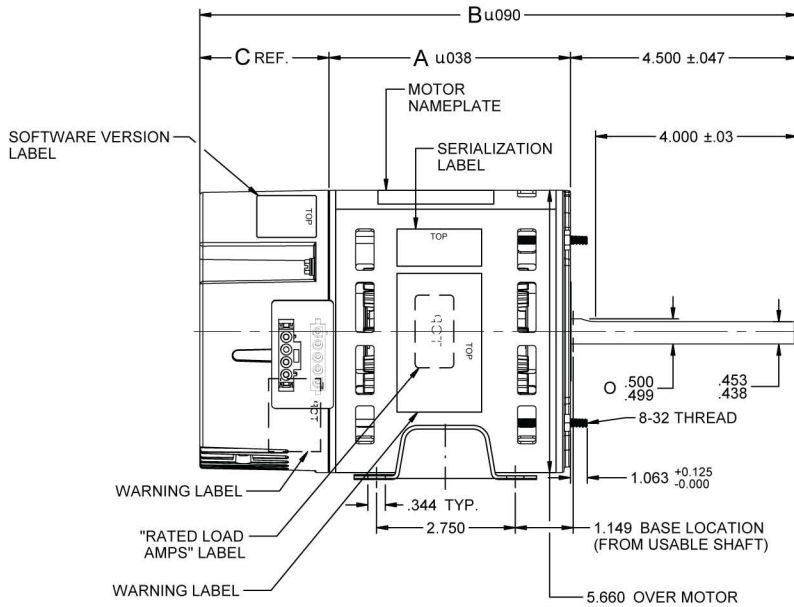
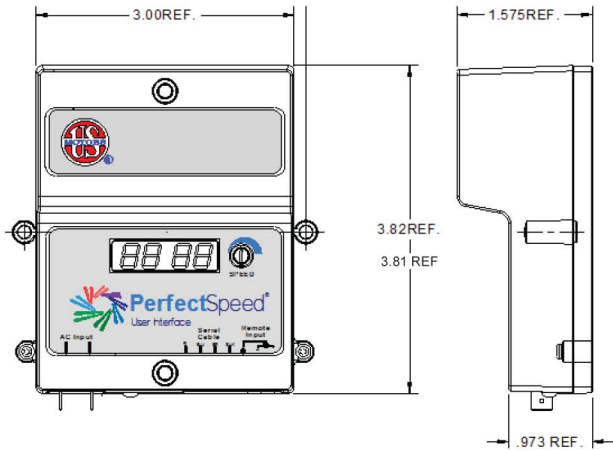
Frame: NEMA® 48

Enclosure: Open Air Over (OAO)

Mounting: Rigid Base



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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.

Lighted, easy to read 7-segment display

Power supply input

Flexible, easy to mount design can be oriented vertically or horizontally for external configuration.

Onboard potentiometer for easy adjustment (Option to use customer-supplied remote mounted potentiometer)



Connection to PerfectSpeed motor

0 – 10 VDC (2 pins) or optional remote potentiometer (3 pins)

HP	RPM	Voltage	Catalog Number	Amps	HZ	Rotation	Shell Length (A)	Module Length (C)	Total Length (B)	Ship Wt.
1200 RPM										
1/2-1/3	1250/VAR	115/208-230	B8630UI	6.6/4.2-3.9 & 6.5/4.6-3.9	60 & 50	CW LE REV	4.787	2.063	11.500	12
1-3/4	1250/VAR	115/208-230	B8650UI	12.0/7.5-7.1 & 12.0/7.6-6.9	60 & 50	CW LE REV	4.787	2.563	11.350	18

HP	RPM	Voltage	Catalog Number	Amps	HZ	Rotation	Shell Length (A)	Module Length (C)	Total Length (B)	Ship Wt.
1800 RPM										
1/2-1/3	1800/VAR	115/208-230	B8430UI	6.8/4.2-4.1 & 6.8/4.1-4.1	60 & 50	CW LE REV	4.787	2.063	11.350	12
1-3/4	1800/VAR	115/208-230	B8450UI	11.1/6.7-6.6 & 10.9/6.6-6.7	60 & 50	CW LE REV	4.787	2.063	11.850	18



UNIVERSAL ELECTRIC MOTORS

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