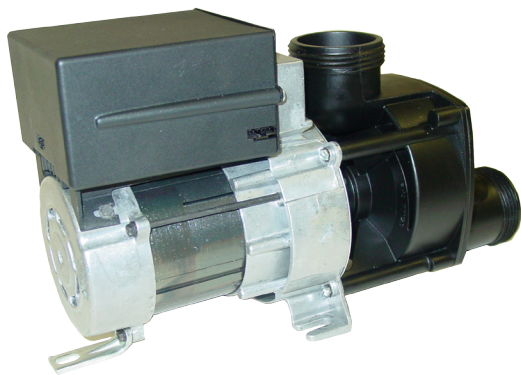


October 2008



Emerson introduces E-Motion™... ..the Variable Speed Solution to the Jetted Bathtub Market.



- Horsepower: 1/3 Horsepower thru 3/4 Horsepower
- Speeds: 1000 thru 3600 RPM
- Volts: 115 or 230
- Hertz: 60 or 50
- Pump GPM: 83 GPM - 3/4 Horsepower
- User Interface: Analog

Call 1-866-278-6920 or
visit our website:
www.emersonmotors.com
with any questions.



Emerson introduces E-Motion™, the motor and control solution to the Jetted Bathtub market. This variable speed product combination includes the pump assembly, motor control, and user interface all supplied by one source... EMERSON. The E-Motion™ motor helps jetted tub manufacturers offer a peaceful experience to the bather, as well as numerous water speed options combined with preset flows such as pulsation, and wave. All in one package, the E-Motion™ motor allows jetted tub manufacturers to provide the bathing experience users demand; and the jetted tub manufacturer gets the quality reputation Emerson has earned not only in the Jetted Tub Market, but also as a respected supplier across many markets, along with the simplicity of one stop shopping.

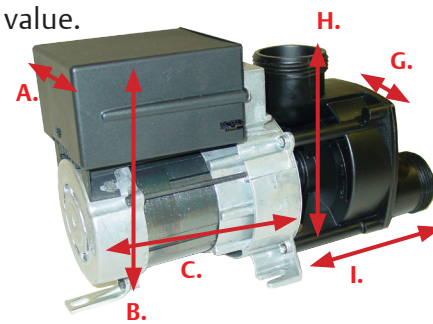
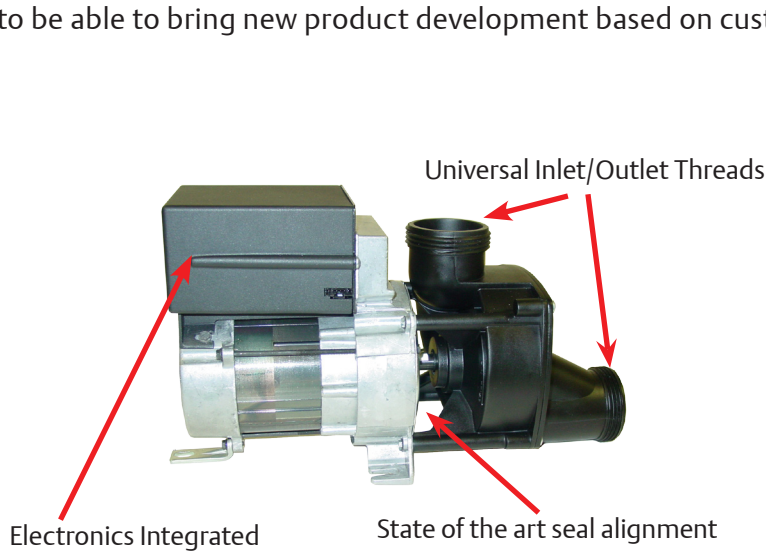
One Solution, One Source, One Answer.....
EMERSON!



EMERSON. CONSIDER IT SOLVED.™

Product Overview and Features

In the 1890's and the early years of the 20th century, Emerson built its initial business and its long-term reputation around its electric motors. Emerson has continued to be a leader in the motor industry offering motors ranging from 1/200 hp thru 4000 hp, including the Jettted Bathtub market where Emerson has earned a strong reputation. In this global economy, you can rest assured that Emerson's many years of manufacturing experience will bring you the expertise needed to assist you as a strong competitor and leader in your business. Emerson provides the Jettted Bathtub market with a full single speed product line with reliable service levels, while bringing new ideas and technology to the industry. Emerson's team of engineers utilizes nearly 100 years of motor design experience. Emerson prides itself on understanding our customers needs, to be able to bring new product development based on customer value.



- A. Width of control box – 4”
- B. Height – Foot to top of Control Box - 7 7/8”
- C. Motor Length (without shaft extension) – 8”
- D. Shaft Extension (not shown) - 2”
- E. Shaft height (not shown) 2.75”
- F. Width of feet (not shown) – 5”
- G. Width of Pump across Face – 5.25”
- H. Pump Height to Top of Outlet – 7”
- I. Length of Pump to Motor Face – 7”

Motor and Motor Control Weight – 11.15lbs.
Motor, Motor Control and Pump - 12.30lbs.

All dimensions and weights are for the ¾ hp Variable Speed Pump Shown.

UL1795 Listed

Key Product Features:

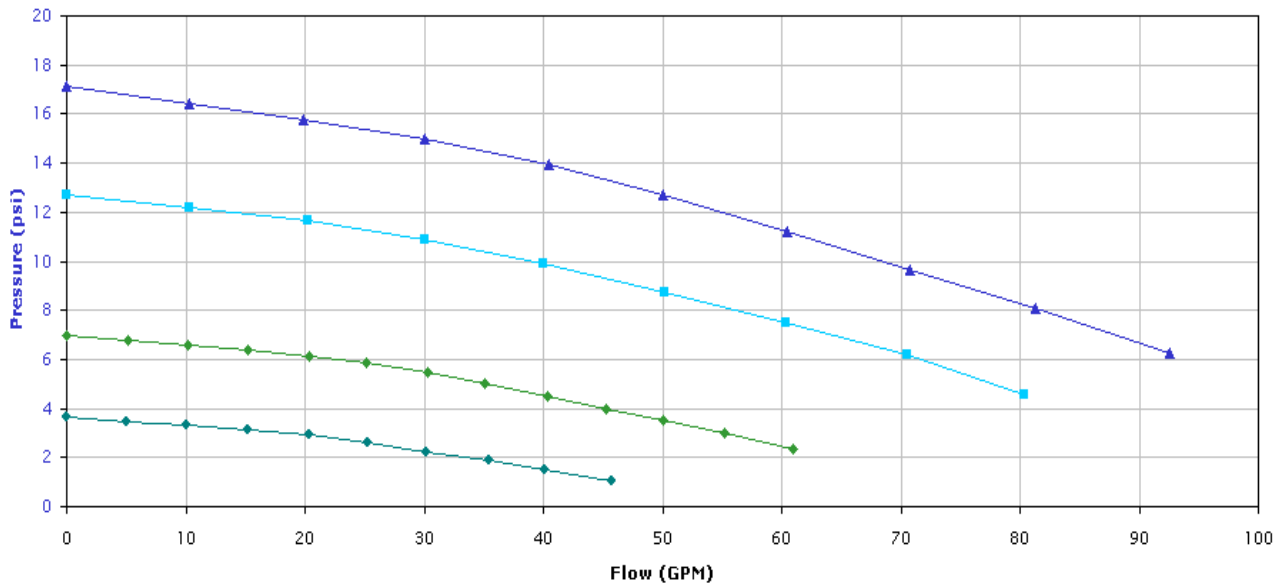
- Provides pulsating, and other variable speed features (Patent pending)
- Quieter than current industry motor
- Motor control integrated on top of the motor.
- Fits current motor/pump space under bathtub skirt
- Built-in communication link for 4-button / 3 LED User Interface
- Possible elimination of Air Valves
- Soft start may allow smaller circuit breaker size and allows use of 600 watt heater on same circuit
- Lower speeds may provide 80% energy savings over single speed operating speed
- Shut-off timer included

Efficiency

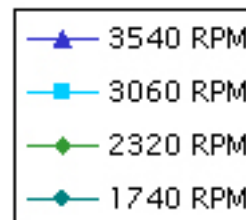
Efficiency:

This pump was designed to have less moving parts, and both sets of inlet and outlet threads have been designed to serve all known applications in the marketplace.

3/4 HP Variable Speed Pump Performance



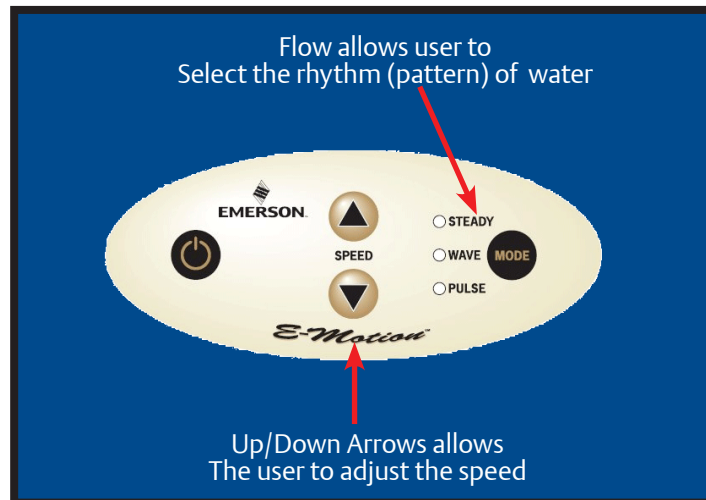
- The above graph reveals Flow v. Pressure characteristics at various RPM ratings
- Lower speeds (below 1800 RPM) can provide 80% energy savings over single speed (3450 RPM) operating speed.



What is the E-Motion™ Motor and Control Solution?

The E-Motion™ Motor and Control Solution is:

- Motor and control integrated into one unit for ease of installation.
- Quieter than a standard induction motor at all speeds, but operating the tub at reduced speed with a variable speed system, reduces the sound level even further.
- Allows the user to control the jet settings to their desired level
- Includes speed patterns for water flow massage effects
- Lower RPM's provide heated soaking mode



Features

- Three Blue LED's
- Conformal Coated Electronics for improved resistance and increased reliability
- Plastic Housing with Mylar Overlay
- Analog Communication to Pump Control
- 6 Foot Interconnection Cable to Pump Included
- Optional Digital Communication with RS232 Protocol
- User Interface can be customized to meet customer requirements, which may result in a price adjustment

Emerson, a global leader in the design and manufacture of electrical motors, provides a complete line of general and special purpose electric motors from 1/200 through 4,000 horsepower. Brands such as Emerson®, U.S. Motors® and Hurst® allow Emerson to support a wide variety of applications including commercial and industrial, appliance, hermetic, automotive, and HVAC. Emerson (NYSE:EMR), based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses.

Emerson trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.



Emerson Motor Company

8100 West Florissant Ave.
 St. Louis, MO 63136
 Phone: 866-278-6920
 E-mail - emersonpool@emerson.com
 Website: www.emersonmotors.com

