# NEPTUNE® Variable Speed Motor & Control
# Thru-Bolt Mount Above Ground Pool Pump



WARRANTY 3 YEARS

## FEATURES:

- Fully Integrated Variable Speed Motor & Control
- Brushless Permanent Magnet (BPM) Motor
- Proposed DOE Regulation & CEC Title 20 Compliant
- TEFC -- IPX5 Enclosure
- Shaft Threads -- 3/8-16 UNC-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Class F Insulated
- Sealed Ball Bearings
- 80%+ Motor & Control Efficiency @ Full Speed
- 300 Series Stainless Steel Shaft
- Speed Range: 600-3450 RPM
- Low Temperature Monitor
- Finned Aluminum Enclosure
- Fully Functional User Interface (Back Lit)
- Modbus & Low Voltage Connection to Pool Control Systems
- Up to Seven Daily Schedules Can Be Programmed
- Adjustable Priming Time & Speed
- Menu Keypad Lockout
- Designed For Quiet Operation
- Simple "Drop In" installation with No Complex Wiring
- Factory Programmed Schedule Settings to Meet the Proposed DOE & the CEC Title 20 Regulation
- Ability to communicate with pool control systems
- **Discount Symbol: DS-FPS**

| THP | RPM | Voltage | Freq | SF Amps | System Efficiency | Power Factor Corrected | Catalog Number | Motor Frame | Length Less Shaft | Wgt. | List |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5 | 600-3450 | 115/230 | 50/60 | 13.0/6.5 | 81% | Yes | NPTA150* | 48Y | 9.40 | 30 | $908 |




### Simple & Intuitive Neptune® User Interface

- **Most Simple Programming: Set the # of Gallons in the customer's pool then set the GPM of the pump at full speed. Then press Start and the Neptune® motor will power the pump to filter the pool in the most energy efficient manner possible.**
- **One touch speed settings closely tie to the 2021 DOE Regulation speed settings: Speed 1 = 1380 RPM, Speed 2 = 1725 RM & Speed 3 = 2760 RPM**
- **One touch Clean button which runs the motor at 3450 RPM for 30 minutes**
- **Up and Down arrows allow for navigation through menu options and allow for one touch +/- 10 RPM speed changes for fine tuning flow rates**
- **LCD screen alternately displays Time of Day and Current Speed then the Current Operation Mode and the tme remaining in this Mode**

* California Energy Commission (CEC) Appliance Regulations (Title 20) and New York Regulation (Title 21) compliant

Note: Contact dealer for full conditions of operation
Catalog numbers are for competitive comparison purposes only.

# AQUA-SHIELD PRO®
# Totally Enclosed Fan Cooled Pool and Spa Motors Switchless Design, Finned Aluminum Frame, 5.5" Frame Diameter, Category “S” & “J”




What benefits does the Aqua-Shield PRO®'s IPX5 enclosure provide your customers? First, the aluminum fin construction provides additional corrosion resistance and helps dissipate heat which promotes cooler running motors. Second, this product line of motors is designed and tested and is protected against low pressure water jets hitting the motor from any direction. This motor prevents the intrusion of moisture from getting inside the motor near the electrical components and this helps reduce winding failures even in the most extreme environments. If your customers have pumps and motors operating in wet, humid environments, the AQUA-SHIELD PRO® pump motor is what you need.

## FEATURES:

- Shaft Threads – (Square Flange) 1/2-20 UNC-2A or (C-Flange) 7/16-20 UNF-2A
- 50°C Ambient
- 1081 Design
- Continuous Duty
- Class F Insulated
- Totally Enclosed, Fan Cooled, IPX5 Enclosure
- 300 Series Stainless Steel Shaft
- Thermally Protected
- 5.5” Diameter Frame
- Triple Bearing Protection
- Finned Aluminum Frame
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data
- **Discount Symbol: DS-FPS**

## extreme-E Square Flange, Premium Energy Efficient, Total Horsepower Rated, Category “S”

| THP | RPM | Voltage | Freq | SF Amps | Catalog Number | Motor Frame | Length Less Shaft | Wgt. | List | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.25 | 3450 | 208-230/115 | 60 | 5.9-5.5/11.0 | TEQ125 | 48Y | 12.10 | 26.5 | $314 | LA |
| 1.65 | 3450 | 208-230/115 | 60 | 8.1-7.2/14.4 | TEQ165 | 48Y | 13.10 | 29.5 | $341 | LA |
| 2.25 | 3450 | 208-230/115 | 60 | 10.5-9.4/18.8 | TEQ225 | 48Y | 13.10 | 31.5 | $435 | LA |
| 2.70 | 3450 | 208-230 | 60 | 11.6-10.5 | TEQ270 | 48Y | 13.10 | 28 | $522 | LA |
| 3.45 | 3450 | 208-230 | 60 | 15.2-14.9 | TEQ345 | 48Y | 13.15 | 34 | $659 | LA |

## extreme-E C-Flange, Premium Energy Efficient, Total Horsepower Rated, Category “J”

| THP | RPM | Voltage | Freq | SF Amps | Catalog Number | Motor Frame | Length Less Shaft | Wgt. | List | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 1.25 | 3450 | 208-230/115 | 60 | 5.9-5.5/11.0 | TET125 | 56J | 12.84 | 26.5 | $305 | LA |
| 1.65 | 3450 | 208-230/115 | 60 | 8.1-7.2/14.4 | TET165 | 56J | 12.84 | 29 | $330 | LA |
| 2.25 | 3450 | 208-230/115 | 60 | 10.5-9.4/18.8 | TET225 | 56J | 12.84 | 31 | $424 | LA |
| 2.75 | 3450 | 208-230 | 60 | 11.6-10.5 | TET275 | 56J | 12.84 | 28 | $505 | LA |
| 3.45 | 3450 | 208-230 | 60 | 15.2-14.9 | TET345 | 56J | 13.41 | 34 | $640 | LA |

Note LA Limited Availability
Note: Contact dealer for full conditions of operation
Catalog numbers are for competitive comparison purposes only.

extreme-E® represents one of our most efficient running, highest performing lines of motors.