

# NEPTUNE® Hybrid Variable Speed Motor/Control Category “S” & “J” Pool Pump



## FEATURES:

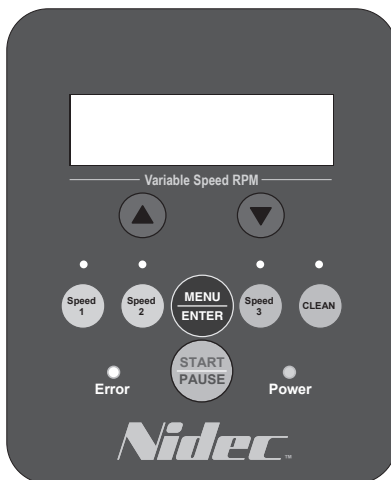
- Fully Integrated Variable Speed Motor & Control
- Brushless Permanent Magnet (BPM) Motor
- Proposed DOE Regulation & CEC Title 20 Compliant
- Dual Voltage 1.25THP & 1.65THP Models (no output power reduction on low/115 voltage)
- TEFC – IPX5 Enclosure
- Shaft Threads – (Square Flange) 1/2-20 UNC-2A or (C-Flange) 7/16-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Class F Insulated
- Sealed Ball Bearings
- 300 Series Stainless Steel Shaft
- Speed Range: 600-2760, 3450 RPM
- Discount Symbol: DS-FPS
- Fully Functional User Interface (Back Lit)
- Connection capability to Pool Control Systems
- Up to Seven Daily Schedules Can Be Programmed
- Adjustable Priming Time & Speed
- Menu Keypad Lockout
- Designed For Quiet Operation
- Low Temperature Monitor
- DOE Default Programming
- Simple "Drop In" installation with No Complex Wiring
- Factory Programmed Schedule Settings to Meet the Proposed DOE & the CEC Title 20 Regulation
- Meets required CEC motor efficiency levels of 80% or higher

## Premium Energy Efficient, Variable Speed, Square Flange, Category “S”

THP	RPM	Voltage	Freq	SF Amps	Catalog Number	Motor Frame	Length Less Shaft	Wgt.	List
1.25	600-3450	230/115	50/60	7.8/14.4	NPHQ125*	48Y	11.48	26	\$750
1.65	600-2760/3450	230/115	60	8.5/16.0	NPHQ165*	48Y	14.98	36	\$793
2.25	600-2760/3450	230	60	10.2	NPHQ225*	48Y	14.98	37	\$839

## Premium Energy Efficient, Variable Speed, 56J Mounting, Category “J”

THP	RPM	Voltage	Freq	SF Amps	Catalog Number	Motor Frame	Length Less Shaft	Wgt.	List
1.25	600-3450	230/115	50/60	7.8/14.4	NPHT125*	56J	10.7	24	\$750
1.65	600-2760/3450	230/115	60	8.5/16.0	NPHT165*	56J	14.07	34	\$793
2.25	600-2760/3450	230	60	10.2	NPHT225*	56J	14.07	35	\$839



### 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 time remaining in this Mode

\* California Energy Commission (CEC) Appliance Regulations (Title 20) compliant  
 \*\* Contact dealer for full conditions of operation  
 Catalog numbers are for competitive comparison purposes only.



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