

Submersible Deep-Well Pump Motors



- 4" body dia.
Max. ambient temp.: 86°F

Deep-well pump motors can help draw water up from groundwater sources as deep as 400 ft. below the surface. They have a stainless steel shell with encapsulated, hermetically sealed stator and a splined stainless steel shaft. Lubricant-replenishing, filtered check valve and pressure-equalizing diaphragm. Replaceable lead wire assemblies include ground wire. Motors have hydrodynamic thrust bearings and CCWSE rotation. Continuous duty in 86°F water at 1/4 ft. per sec. 1/2-HP to 2-HP models include 48" lead length; 3-HP to 7 1/2-HP models include 100" lead length.

1-Phase—For water systems that utilize a pressure switch. Built-in lightning protection. Capacitor-start motors require a control box, sold separately on page 2654. Automatic thermal protection on motors up to 1 HP; manual (in control box) 2 HP and higher.

3-Phase—Require motor starter and overload relay, sold separately on page 170.



422X50



1CXXC3

Table with 14 columns: HP, Voltage, No. of Wires, RPM Range, Motor Service Factor, Motor Design, Full Load Amps, Max. SF Amps, Thrust Rating, Control Box Req., Brand, Mfr. Model, Item No. Includes Single-Phase and Three-Phase data.

Submersible Deep-Well Pumps and Control Panel Kits

- 3-wire
Max. operating temp.: 86°F, except 7YT16 to 7YT30 are 130°F

Control panel kits regulate the start/stop operation of submersible deep-well pumps that are buried within a well deep in the ground and push water up through a pipe that is joined to one end of the pump. The long, cylinder-shaped pumps can provide a constant supply of water even during dry seasons. They don't require priming since they are submerged in water and are connected to a tank to keep water pressure more consistent. Pumps are more effective for deep wells and can go down several hundred feet compared to jet pumps that have a depth of up to 120 ft.

3-Phase—Require motor starter and overload relay, sold separately on page 170.

Table with 8 columns: HP, Amps, No. of Stages, Flow Rate @ 100 Ft. @ 50 psi, Nominal Flow Rate, Max. Head (ft.), Item No. Includes Single-Phase and 3 Phase data.



2EHR4



7YT24

Spring Check and Foot Valves



Prevent backflow or loss of prime.

Ductile-Iron—For use with high-flow submersible well pumps and have no leaded components.

Lead-Free and Low-Lead—Stainless steel spring and screen; nitrile seal. Lead-Free Brass Check Valves have a nonspin acetel poppet. Lead-Free Bronze Foot Valves have an Enviro-Check body. Low-Lead Brass Check and Foot Valves have bronze seat.

PVC—Stainless steel spring and raised-radius valve seat for positive seal.

Acetal Resin Copolymer—Convert to check valves by removing the strainer; convert to check/foot valves by removing the spring. Lead-free components.

Table with 8 columns: Material of Construc., Size, Conec. Type, Max. Temp., L, Brand, Item No. Includes Spring Check Valve and Spring Foot Valve data.



PVC 4RG64



Low-Lead Brass 36Y052