## M-0.5/1/2 SERIES

PORTABLE ELECTRIC SUBMERSIBLE SUMP PUMPS FOR GENERAL DEWATERING APPLICATIONS

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**0.5 HP (0.4 kW)**  
M 0.5  
2"(50mm) NPT or Hose

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**1 HP (0.75 kW)**  
M 1  
2"(50mm) NPT or Hose

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**2 HP (1.5 kW)**  
M 2  
2"(50mm) NPT or Hose

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### M-0.5/1/2 DESIGN ADVANTAGES

- Stainless Steel Outer Casing, Stator Casing, Strainer, Shaft, and Hardware for maximum corrosion resistance.
- Cast Iron Semi Open Abrasive Resistant Impeller.
- Double Silicon Carbide/Silicon Carbide and Carbon/Ceramic Mechanical seals.
- External Oil Seal for added protection against abrasives.
- Cast Iron Suction Diffuser
- Automatic ON/OFF/ON Thermal Overloads in Motor
- CLASS F Motor Insulation
- Hi-Torque Single Phase Split Capacitor Motor design
- 20 feet of power cable with plug and Strain Relief (M0.5/M1) and 33 feet (M2).
- Built-in Float option available.
- CSA Approved

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WCT PRODUCTS  
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M-0.5/M-1/M-2 SERIES

0.5HP(3.7kW) / 1HP(0.75kW) / 2HP(1.5kW)

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MOTOR
2-pole induction continuous rated motor with squirrel cage rotor.
Stator insulation class "F" (155ºC), rated IP68.
Speed : 3450 RPM @ 60 Hz
Power Rating : 0.5HP/1HP/2HP @ 60 Hz Full Load
Current FLA: 5, 10, 20 Amps @ 115v.
Max. temperature of the pump liquid: 104°F/40°C
Max. start/stop per hour : 15

POWER SUPPLY
1 phase, 60 Hz, 115 AC Supply.

BALL BEARINGS
The rotor shaft is carried in two single row, deep groove ball bearings. The bearings are enclosed with high temperature grease sealed for life.

POWER CABLE
Waterproof/oil proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable, 20ft. (6m) length standard (M0.5/M1) and 33 feet on M2.
Type SJTW in North America.

SHAFT SEAL
Double Silicon Carbide/Silicon Carbide and Carbon/Ceramic Mechanical seals with External Oil Seal.

CORROSION RESISTANT
304 SS Outer Casing
304 SS Stator Casing
Cast Iron Diffuser
Shaft: Heat Treated 410 Stainless Steel
Hardware: 304 Stainless Steel
Impeller: Cast Iron
pH Range 5 - 8

STRAINER
304 Stainless Steel 1/4" (6mm) Round Holes

SUBMERGENCE
M0.5/M1 Submergence below liquid surface min 2" (52mm) max. 65' (20m).
M2 Submergence below liquid surface min 2.8" (71mm) max. 65' (20m).

WEIGHTS (Approx. without cable)
M 05: 28 lbs. (12.5Kg)
M 1: 31 lbs. (14Kg)
M 2: 52 lbs. (23.5Kg)

Due to continuous product development, specifications are subject to change without notice.

11.14 Rev.3