

mody

ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-0.5/1/2 SERIES

**PORTABLE ELECTRIC
SUBMERSIBLE SUMP PUMPS FOR
GENERAL DEWATERING
APPLICATIONS**

0.5 HP (0.4kW)

M 0.5

2"(50mm) NPT or Hose

1 HP (0.75kW)

M 1

2"(50mm) NPT or Hose

2 HP (1.5kW)

M 2

2"(50mm) NPT or Hose

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



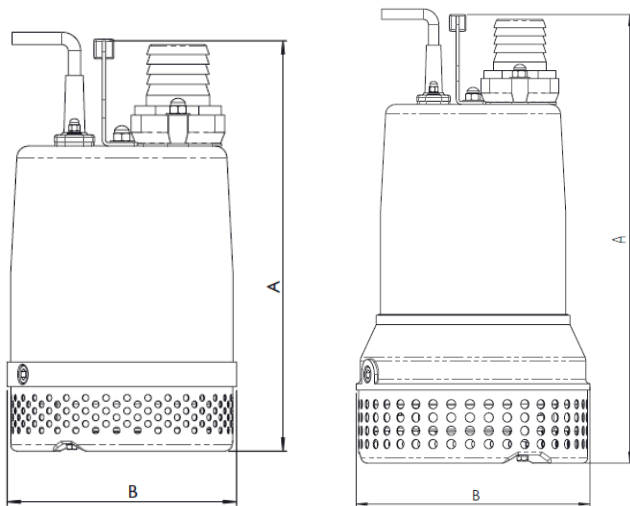
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Pumps

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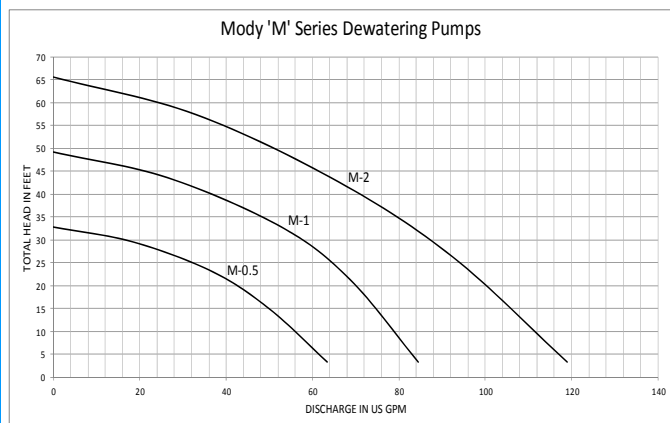
ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-0.5/M-1/M-2 SERIES **0.5HP(3.7kW) / 1HP(0.75kW) / 2HP(1.5kW)**



MODEL	A		B	
	mm	in	mm	in
M 0.5	340	13.38	184	7.25
M 1	360	14.17	184	7.25
M 2	438	17.25	225	8.9

PERFORMANCE CURVES



M-0.5/M-1/M-2 SERIES

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MOTOR

2-pole induction **continuous rated** motor with squirrel cage rotor.
 Stator insulation class 'F' (155°C), 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 0.5: 28 lbs. (12.5Kg)
 M 1: 31 lbs. (14Kg)
 M 2: 52 lbs. (23.5Kg)