

# *mody*

## ELECTRIC SUBMERSIBLE DRAINAGE PUMP

### **M-3 SERIES**

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

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**3 HP (2.2kW)**

**M 3**

**3"(80mm) NPT or Hose**

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### **M-3 DESIGN ADVANTAGES**

- Stainless Steel Outer Casing, Stator Casing, Strainer, Shaft, and Hardware for maximum corrosion resistance.
- Hardened Duplex 410SS Nitride Hardened Impeller.
- Double Silicon Carbide/Silicon Carbide and Silicon Carbide/Silicon Carbide Mechanical seals.
- External Oil Seal for added protection against abrasives.
- Cast Iron Suction Diffuser
- Automatic ON/OFF/ON Thermal Overloads
- CLASS F 155°C Motor Insulation Continuous Duty Rated
- Hi-Torque Single Phase Split Capacitor Motor design
- 50 feet of power cable with plug
- Optional Suction Tandem Adapter Available for Series Connections



**Mody Pumps® Inc.**

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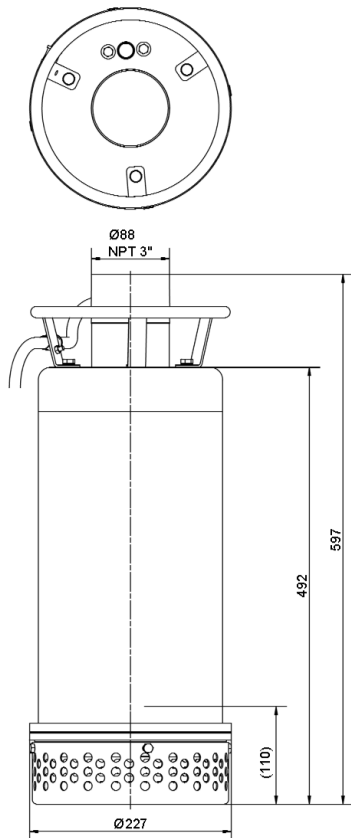
<http://www.modypump.com>

E-mail: [sales@modypump.com](mailto:sales@modypump.com)

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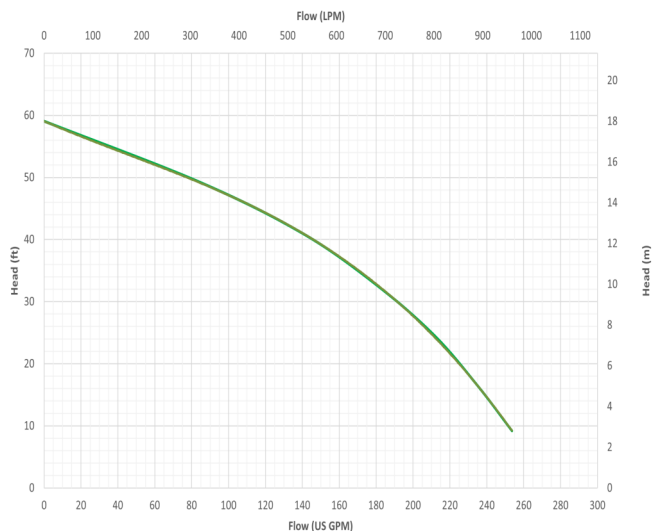
## ELECTRIC SUBMERSIBLE DRAINAGE PUMP

### M-3 SERIES 3HP(2.2kW)



### PERFORMANCE CURVES

M-3



### M-3 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 : 3HP @ 60 Hz Full Load  
Current FLA: 17 Amps @ 240v.  
Max. temperature of the pump liquid: 104°F/40°C  
Max. start/stop per hour : 15

##### POWER SUPPLY

1 phase, 60 Hz, 240 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, 50ft. (15m) length standard. UL/CSA Approved.

##### SHAFT SEAL

Double Silicon Carbide/Silicon Carbide and Silicon Carbide/Silicon Carbide  
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: Semi-Open Channel Duplex 410SS Nitride Hardened  
pH Range 5 - 8

##### STRAINER

304 Stainless Steel 25/64" (10mm) Round Holes

##### SUBMERGENCE

M3 Submergence below liquid surface min 2" (52mm) max. 65' (20m).

##### WEIGHTS (Approx. without cable)

M-3: 86 lbs. (39Kg)