

# *mody*

## ELECTRIC SUBMERSIBLE DRAINAGE PUMP

### M-800 SERIES

PORTABLE ELECTRIC  
SUBMERSIBLE PUMP  
FOR  
CORROSIVE & ABRASIVE  
APPLICATIONS

.....

**Model M-802T**  
**6" Flange or Hose**  
(High Volume - Low Head)

.....

**Model M-806T**  
**4" Flange or Hose**  
(Low Volume - High Head)

.....

Also Available 1 HP to 35 HP

### M-800 DESIGN ADVANTAGES

- Built-in automatic ON/OFF/ON thermal overload switches & over current relay protect the motor. Thermal Protectors wired directly to built-in contactor for maximum reliability.
- Equipped with moisture sensor that detects progressive seal wear and automatically shuts down the pump.
- Stainless Steel Strainer, Shaft, Impeller, Outlet and Hardware for maximum corrosion resistance.
- Choice of impeller materials:
  - 1) 304/316 Stainless Steel for sea water and corrosive applications and;
  - 2) Hardened 410 Stainless Steel for abrasive applications.
- Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide mechanical seals.
- Mechanical Seals in wholly enclosed pressure compensated oil chamber.
- Field adjustable Nitrile Rubber-lined Diffuser/Wear Plate optimizes efficiency throughout the life of the pump.
- Can also be equipped with sacrificial Zinc Anodes for maximum life in a saline fluid environment.

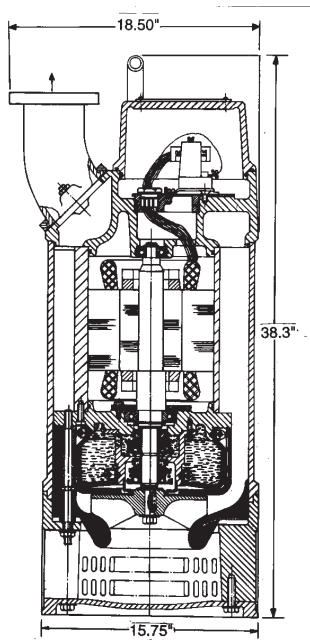


34750 Lencioni Avenue, Bakersfield, CA 93308. USA  
Tel.: (661) 392-7600 • Fax: (661) 392-7601  
<http://www.modypump.com> • E-mail: [sales@modypump.com](mailto:sales@modypump.com)

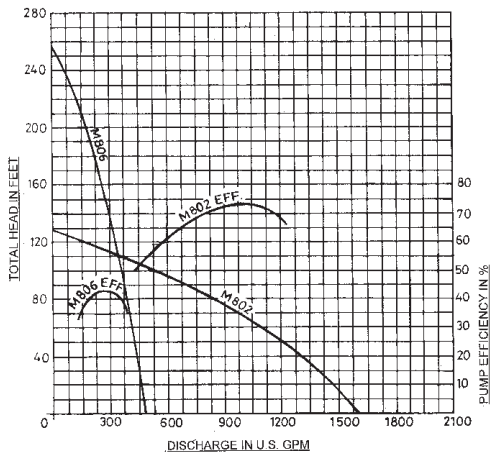
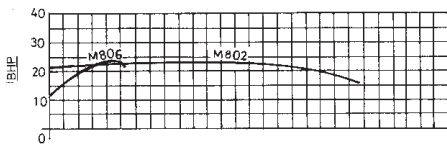
# mody

## ELECTRIC SUBMERSIBLE DRAINAGE PUMP

### M-800 SERIES 25 HP



### 25 HP PERFORMANCE CURVE



## M-800 SERIES

### MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

#### MOTOR

2-pole induction **continuous rated** motor with squirrel cage rotor.  
 Stator insulation class 'F' (155°)  
 Speed: 3400 RPM @ 60 Hz, 2800 RPM @ 50 Hz  
 Power Rating: 25 HP, Full Load  
 Current: (33 Amps at 460 Volts)  
 Max. temperature of the pump liquid: 104° F  
 Max. start/stop per hour: 15

#### POWER SUPPLY

3 Phase, 50/60 Hz, AC Supply.  
 Available in any voltage frequency combination. (208/220/230/380/415/460/575 V)  
 The pump is equipped with built-in contactor which trips at excessively high temperature through the bimetallic switches in the winding. In-built overload relay.

#### BALL BEARINGS

Single row deep groove upper bearing. Double angular contact lower bearings.  
 The bearings are enclosed with high temperature grease-containing special anti-corrosion additive.

#### POWER CABLE

Waterproof/oil-proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable, 50' length.

#### SHAFT SEAL

Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide mechanical seals wholly enclosed in a pressure compensated oil chamber.

#### CORROSION RESISTANT

Epoxy coated Steel Outer Casing - Available in 304 SS.  
 Epoxy coated Aluminum Inner Casing - Available in 304 SS.  
 Stainless Steel rotating elements.  
 Nitrile rubber-coated Diffuser/Wear Plate.

#### STRAINER

Stainless Steel with 1<sup>9</sup>/<sub>16</sub>" x 3<sup>3</sup>/<sub>8</sub>" rectangular holes.

#### SUBMERGENCE

Submergence below liquid surface min. 8", max. 50 ft.

WEIGHT	M-802T	M-806T
Without cable	420 lbs.	440 lbs.

Due to product development, specifications may be subject to change.