

# mody

## ELECTRIC SUBMERSIBLE DRAINAGE PUMP

### G-1002 SERIES

**PORTABLE ELECTRIC  
SUBMERSIBLE PUMP FOR  
CORROSIVE & ABRASIVE  
APPLICATIONS**

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#### **Model G-1002T**

8" (200mm) NPT or Hose

**50 HP (37kW) @ 50 Hz**

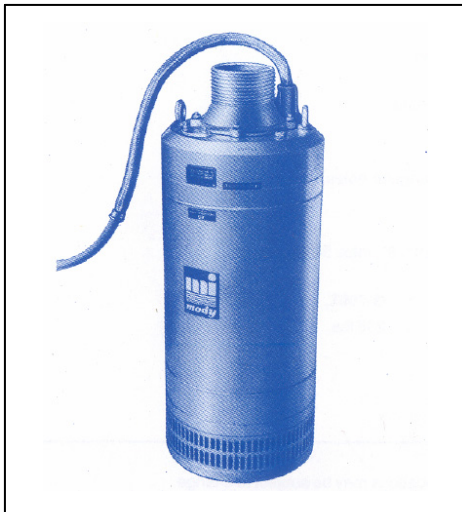
**58 HP (43kW) @ 60 Hz**

(Med. Volume - Med. Head)

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### G-1002 DESIGN ADVANTAGES

- 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) Nitride Hardened 410 Stainless Steel for abrasive applications. (Standard)
- 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.
- Equipped with Sacrificial Zinc Anodes for maximum life in a saline fluid environment.
- Available in complete 316 Stainless Steel Construction with Silicon Carbide/Silicon Carbide Mechanical Seals and Viton Elastomers.



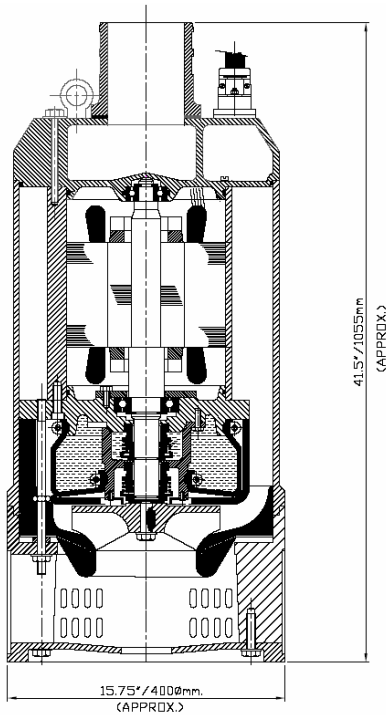
**mody**  
**Pumps**

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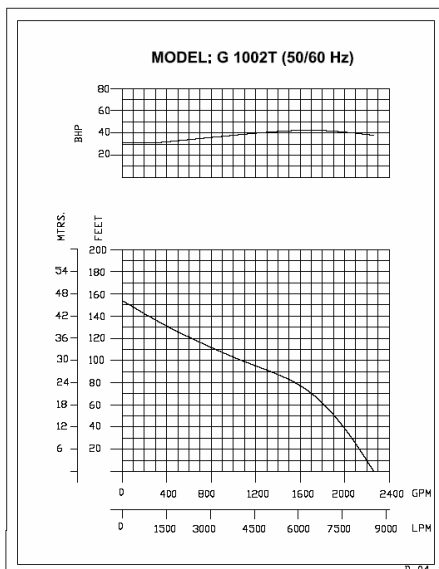
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## ELECTRIC SUBMERSIBLE DRAINAGE PUMP

### G-1002 SERIES 58HP @ 60Hz 37kW @ 50Hz



### PERFORMANCE CURVES



## G-1002 SERIES

### MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

#### MOTOR

2-pole induction **continuous rated** motor with squirrel cage rotor.  
Stator insulation class 'F' (155°C)  
Speed : 3400 RPM @ 60 Hz, 2800 RPM @ 50 Hz  
Power Rating : 58HP @ 60 Hz, 37kW @ 50Hz Full Load  
Current FLA: 64 Amps @ 460v. 62 Amps @ 400v.  
Max. temperature of the pump liquid : 104°F/40°C  
Max. start/stop per hour : 15

#### POWER SUPPLY

3 phase, 50/60 Hz, AC Supply. Available in any voltage frequency combination. (380/415/460/575/1000V)

#### 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, 50ft. (15m) length standard. Type SOOW in North America, EPR in the Middle East and HO5RN in the EU.

#### 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  
Aluminum Stator Casing  
Nitrile Rubber- Lined Diffuser/Wear plate.  
Shaft: 431 Stainless Steel  
Hardware: 304 Stainless Steel  
Impeller: Nitride Hardened 410SS to 56HRC is Standard.

#### STRAINER

304 Stainless Steel with 1-9/16" (25.5mm) X 3/8" (10mm)

#### SUBMERGENCE

Submergence below liquid surface min 5' (127mm) max. 50' (15m).

#### WEIGHTS (Approx. without cable)

G 1002: 545lbs. (248Kg)