

# **mody** ELECTRIC SUBMERSIBLE DRAINAGE PUMP

## **G-1200 SERIES**

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

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### **Model G-1204T**

10" (250mm) BSPT or Hose

55 kW @ 50 Hz

(High Volume - Low Head)

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### **Model G-1206T**

6" (150mm) BSPT or Hose

55 kW @ 50 Hz

(Low Volume - High Head)



## **G-1200 DESIGN ADVANTAGES**

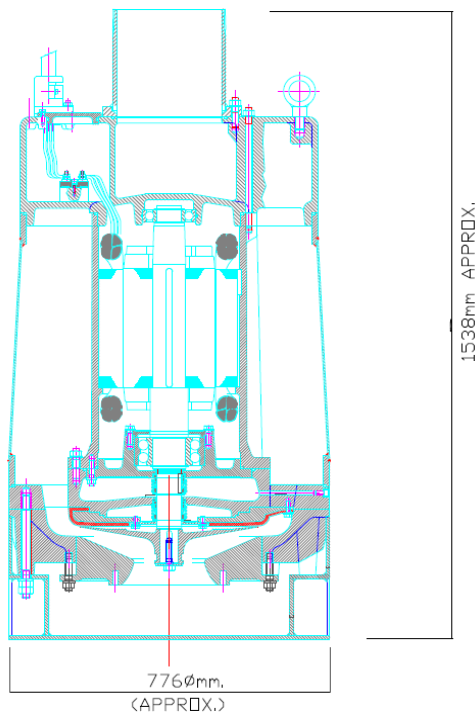
- Stainless Steel Shaft, Impeller, Outlet and Hardware for maximum corrosion resistance.
- Choice of impeller materials:
  - 1) 304/316 Stainless Steel for sea water and corrosive applications and;
  - 2) Nitride Hardened 410 Stainless Steel for abrasive applications. (Standard)
- Tandem Silicone Carbide/Silicone Carbide and Silicone Carbide/Silicone Carbide mechanical seals.
- Mechanical Seals in wholly enclosed cast iron oil chamber.
- Field adjustable Nitrile Rubber-lined Diffuser/Wear Plate Optimizes efficiency throughout the life of the pump.
- Automatic ON/OFF/ON Thermal Overloads embedded in Stator Winding - requires 6 core or Control cable and external controls.
- Seal probe Sensor Option Available requires external controls.
- 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.



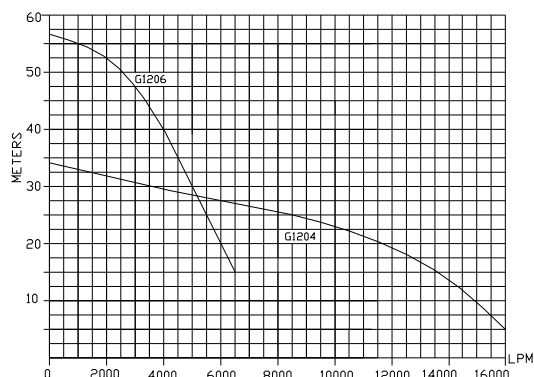
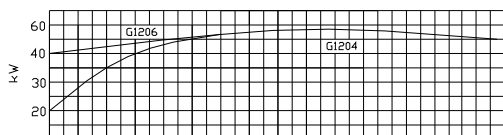
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# mody ELECTRIC SUBMERSIBLE DRAINAGE PUMP

## G-1200 SERIES 55kW @ 50Hz



## PERFORMANCE CURVE MODEL: G1204/1206T (50Hz)



## G-1200 SERIES

### MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

#### MOTOR

4-pole induction **continuous rated** motor with squirrel cage rotor.  
 Stator insulation class 'H' (180°C)  
 Speed : 1450 RPM @ 50 Hz  
 Power Rating : 55kW @ 50Hz Full Load  
 Current FLA: 105 Amps @ 400v.  
 Max. temperature of the pump liquid : 104°F/40°C  
 Max. start/stop per hour: 15  
 Star - Delta Starting Optional

#### POWER SUPPLY

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

#### BALL BEARINGS

Single row deep groove upper bearing. Double Row Max Capacity Lower bearing.  
 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 HO7RN in the EU. 6 Core or Control cable with thermal overloads/seal probe sensor optional.

#### SHAFT SEAL

Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide Mechanical seals wholly enclosed in an oil chamber.

#### CORROSION RESISTANT

Epoxy coated Steel Outer Casing  
 Aluminum Stator Casing and Top Bracket  
 Nitrile Rubber- Lined Diffuser/Wear plate.  
 Shaft: 431 Stainless Steel  
 Hardware: 304 Stainless Steel  
 Impeller: Nitride Hardened 410SS to 56HRC is Standard.  
 pH range 5 - 8

#### STRAINER

Galvanized Steel with 15mm X 45mm holes.

#### SUBMERGENCE

Submergence below liquid surface min 16" (400mm) max. 65' (20m).

#### WEIGHTS (Approx. without cable)

G 1204/1206: 600Kg