

# mody

## ELECTRIC SUBMERSIBLE DEWATERING PUMP

### G-550 SERIES

The pumps are portable & are intended to be used for pumping of water from :

- Construction sites
- Trenches
- Mines
- Power station
- Water supply
- Flooded Cellar
- Open sumps
- Tunnels
- Shipyards & ships
- Public utility works
- Fire fighting
- Aquaculture

#### Model G-554T

Outlet :- 4" HOSE (FLANGE/BSPT OPTIONAL)  
(High Volume - Low Head)

Also available : 1.5 HP to 35 HP

### G-550 DESIGN ADVANTAGES

- Built-in automatic ON/OFF/ON thermal switches protect the motor.
- Can be equipped with moisture sensor that detects progressive seal wear and automatically shuts down the pump (available only in M-Series).
- 431 Stainless Steel Shaft, 304 SS Hardware for maximum corrosion resistance. 304 SS Strainer (optional).
- Choice of impeller materials :
  - 1) Hardened 410 Stainless Steel (HRC 52-55) for abrasive applications (standard) and
  - 2) 304 Stainless Steel for sea water and corrosive applications (optional).
- Twin Seals in tandem of Tungsten Carbide v/s. Tungsten Carbide.
- Mechanical Seals in wholly enclosed pressure compensated oil chamber to optimize seal life.
- Field adjustable Nitrile Rubber-moulded Diffuser/Wear Plate optimize efficiency throughout the life of the pump.
- Can be equipped with sacrificial Zinc Anodes for maximum life in a saline fluid environment (optional).

The pump can also be supplied in complete Stainless Steel construction (except elastomeric parts) on request.



**mody industries (F.C.) pvt. ltd.**

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**New Delhi Office :**

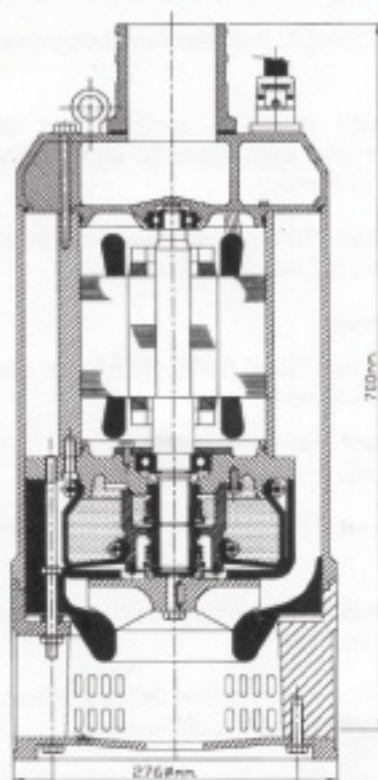
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**Website : [www.modypumps.com](http://www.modypumps.com)**

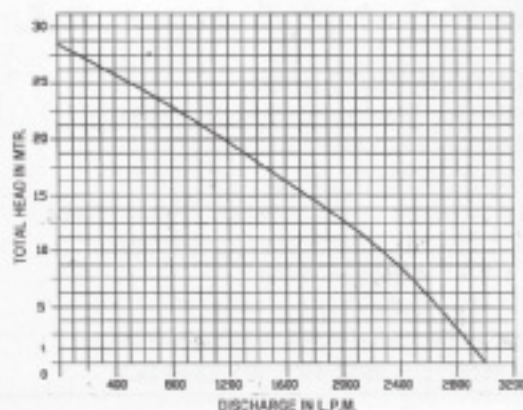
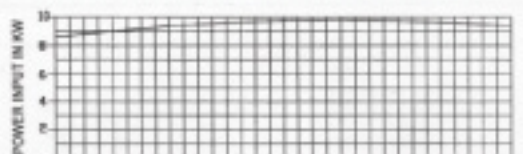
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## ELECTRIC SUBMERSIBLE DEWATERING PUMP

### G-550 SERIES 10 HP



### 10 HP PERFORMANCE CURVE



### G-550 SERIES

#### MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

➤ **MOTOR (DOL-START)**

2-pole induction continuous rated motor with squirrel cage rotor.  
Stator insulation class 'F' (155°)  
Speed : 2,850 RPM (approx.)  
Power Rating : 7.5 Kw  
Current : 15.5 Amps at 415 Volts  
Max. temperature of the pump liquid : 40°C  
Max. start/stop per hour : 15  
Bi-metallic thermal switches are embedded in the stator windings which trip the motor in the event of excessive high temperature.

➤ **POWER SUPPLY**

415V, 3 phase, 50 HZ, AC Supply. The pumpset can also be configured for any specific voltage and frequency combinations.

➤ **BALL BEARINGS**

The rotor shaft is carried in two single-row, deep-groove ball bearings. The bearings are filled with high temperature grease containing special anti-corrosive additive which ensures no maintenance required for life.

➤ **POWER CABLE**

Water proof/oil proof, PVC insulated, double sheathed, copper conductor flexible cable 20 mtrs. length, 6 cores of size 4 core 4 sq. mm + 2 core 1.0 sq. mm.

➤ **SHAFT SEAL**

Twin mechanical seals in Tandem. Seal faces of Tungsten carbide w/s Tungsten carbide ensuring long life between service intervals & wholly enclosed in a pressure compensated oil chamber.

➤ **CORROSION RESISTANT**

Aluminium Alloy Outer Casing. (Also available in SS option.)  
Extruded Aluminium Stator Casing. (Also available in SS option.)  
SS 431 Rotor shaft.  
SS 410 Impeller. (Also available in SS 304 option.)  
Nitrile rubber moulded Diffuser & Wear plate.

➤ **STRAINER**

MS Zinc plated with 30 mm x 10 mm rectangular holes.  
(Also available in SS 304 option.)

➤ **SUBMERGENCE**

Submergence below liquid surface min. 80 mm, max. 15 mtrs.

➤ **WEIGHT**

Without cable : 65 Kg.

(OPTIONAL ITEMS LISTED ARE AVAILABLE AT EXTRA COST.)

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