

# mody

## ELECTRIC SUBMERSIBLE DEWATERING PUMP

### G-900 SERIES

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

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

#### Model G-902T

Outlet :- 6" / 8" HOSE  
(FLANGE OPTIONAL)

(High Volume - Low Head)

#### Model G-906T

Outlet :- 4" HOSE  
(FLANGE OPTIONAL)

(Low Volume - High Head)

Also available : 1.5 HP to 35 HP



### G-900 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.



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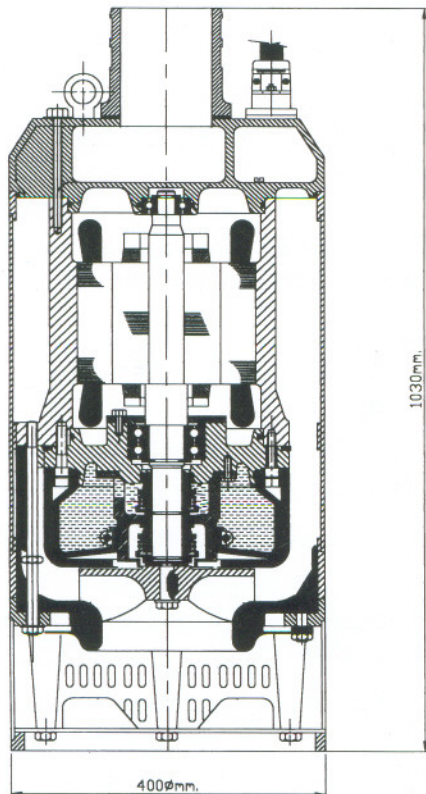
Website : [www.modypumps.com](http://www.modypumps.com)

G 900 / 00

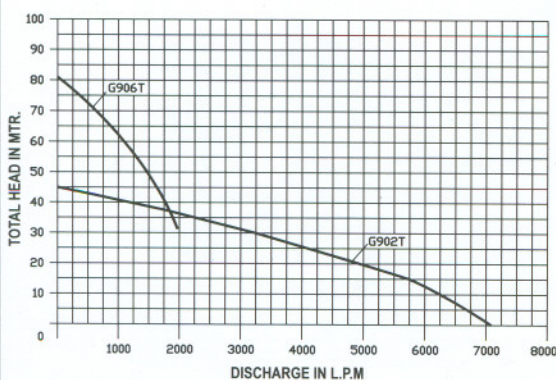
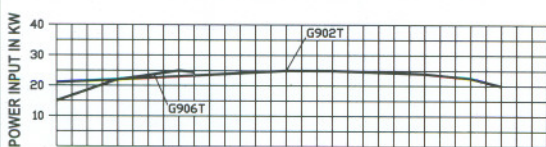
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## ELECTRIC SUBMERSIBLE DEWATERING PUMP

### G-900 SERIES 35 HP



### 35 HP PERFORMANCE CURVE



### G-900 SERIES

#### MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

- **MOTOR (DOL-START / STAR-DELTA OPTIONAL)**  
2-pole induction continuous rated motor with squirrel cage rotor.  
Stator insulation class 'F' (155°)  
Speed : 2,850 RPM (approx.)  
Power Rating : 26.11 Kw  
Current : 48 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 ball bearings. The lower bearing is a double row angular contact bearing capable of carrying high thrust & radial loads. The upper bearing is a deep groove, single row ball bearing. 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. long & of sizes as under :-  
For DOL-start : Single run (4 core 10 mm<sup>2</sup> + 2 core 1 mm<sup>2</sup>)  
For Star-Delta start : Single run (7 core 6 mm<sup>2</sup> + 2 core 1 mm<sup>2</sup>)  
The cable fitted with a 1 mtr. long SS strain relief grip.
  - **SHAFT SEAL**  
Twin mechanical seals in Tandem. Seal faces of Tungsten carbide v/s Tungsten carbide ensuring long life between service intervals & are wholly enclosed in a pressure compensated oil chamber.
  - **CORROSION RESISTANT**  
Epoxy coated Steel Outer Casing. (Also available in SS option.)  
Aluminium Alloy 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 40 mm x 10 mm rectangular holes.  
(Also available in SS 304 option.)
  - **SUBMERGENCE**  
Submergence below liquid surface min. 90 mm, max. 15 mtrs.
  - **WEIGHT**

	G-902T	G-906T
Without cable	225 Kg.	230 Kg.
- Also available in Star-Delta start options.  
(OPTIONAL ITEMS LISTED ARE AVAILABLE AT EXTRA COST.)  
Due to product development, specifications may be subject to change.