

mody

ELECTRIC SUBMERSIBLE DEWATERING PUMP

G-1000 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-1002 T

Outlet :- 8" HOSE

(FLANGE OPTIONAL - EXTRA COST)

(High Volume - Low Head)

Model G-1006 T

Outlet :- 6" HOSE

(FLANGE OPTIONAL - EXTRA COST)

(Low Volume - High Head)

Also available : 1.5 HP to 35 HP under different series



G-1000 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 (optional at Extra Cost).
- 431 Stainless Steel Shaft, 304 SS Hardware for maximum corrosion resistance.
- 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 application (optional at Extra Cost).
- Twin Seals in tandem of Tungsten Carbide v/s Tungsten Carbide.
- Mechanical Seals in wholly enclosed independent 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 at Extra Cost).

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



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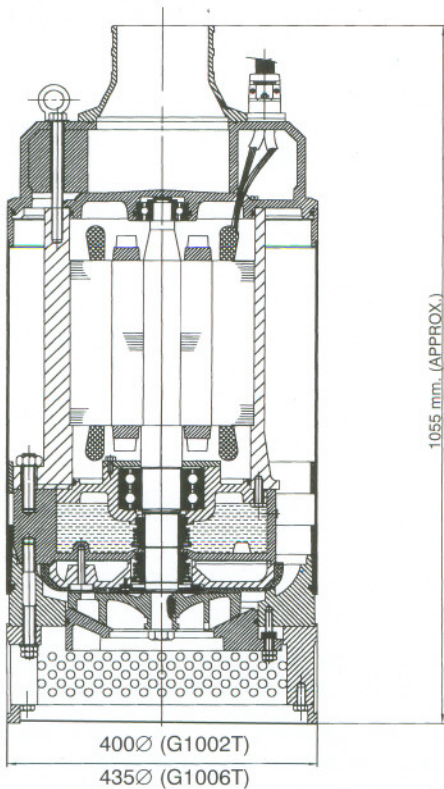
Website : www.modypumps.com

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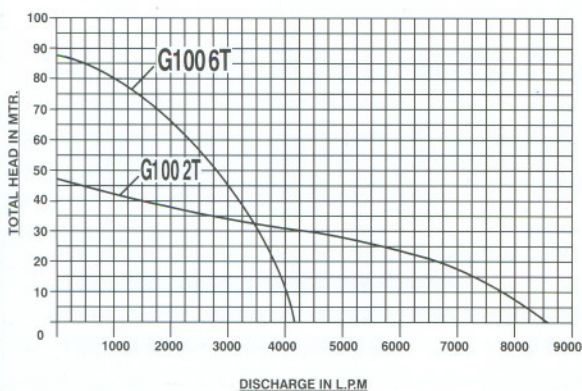
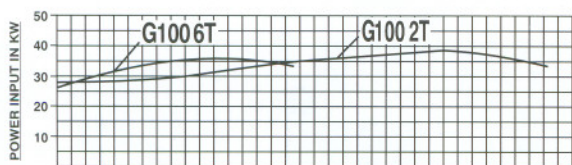
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ELECTRIC SUBMERSIBLE DEWATERING PUMP

G-1000 SERIES 50 H.P.



50 HP PERFORMANCE CURVE



G-1000 SERIES

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

- **MOTOR (STAR-DELTA)**
2-pole induction continuous rated motor with squirrel cage rotor.
Stator insulation class 'F' (155°)
Speed : 2900 RPM (approx.)
Power Rating : 37 Kw
Current : 63 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 combination.
 - **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 40 mtrs. Length double run (one cable 4 Core 10 mm² + 2 Core 1mm² and another cable 4 Core 10 mm²). The cable/s 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 an independent oil chamber.
 - **CORROSION RESISTANT**
Epoxy coated Steel Outer Casing (Also available in SS option at Extra Cost).
Aluminium Stator Casing - G 1002 T.
Cast Iron Stator Casing - G 1006 T.
SS 431 Rotor shaft.
SS 410 Impeller. (Also available in SS 304 option.)
Nitrile rubber moulded Diffuser & Wear plate.
 - **STRAINER**
MS Zinc plated with 40mm x 10mm rectangular holes - G 1002 T.
MS Zinc plated with circular holes of 12mm dia - G 1006 T.
(Also available in SS 304 option.)
 - **SUBMERGENCE**
Submergence below liquid surface min 150 mm, max. 15 mtrs.
 - **WEIGHT**

	G 1002 T	G 1006 T
Without cable -	225 Kg	375 Kg
- (OPTIONAL ITEMS LISTED ARE AVAILABLE AT EXTRA COST)
Due to product development, specifications may be subject to change.