

mody

ELECTRIC SUBMERSIBLE DRAINAGE PUMP

G-750 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-752TM

Outlet : 6" HOSE (FLANGE OPTIONAL)
(HIGH VOLUME - LOW HEAD)

Model G-756TM

Outlet : 4" HOSE (FLANGE OPTIONAL)
(LOW VOLUME - HIGH HEAD)

Also Available : 1.5 hp TO 50 hp



G-750 DESIGN ADVANTAGES

- Built-in automatic ON/OFF thermal switches to protect the motor during over load.
- Can be equipped with moisture sensor that detects progressive seal wear and automatically shuts down the pump (Optional).
- Motor is in dry winding, leading to
 - a) Better efficiency/lower power consumption.
 - b) Light weight/compact design, giving better portability.
 - c) Better temperature rise characteristics.
- Pump can be operated in fully or partially submerged conditions.
- Twin seals in tandem of TC / TC in wholly enclosed pressure compensated oil chamber.
- Field adjustable Nitrile Rubber-lined Diffuser / Wear Plate to optimize the efficiency throughout the life of the pump.
- SS 431 shaft for high tensile strength and better magnetic properties.
- SS 410 (ASTMA217 Gr CA15) hardened impeller for abrasive applications.
- SS 304 (ASTMA351 Gr CF8) Impeller for sea water/corrosive applications.
- SS 304 hardware for maximum corrosion resistance.
- Can be equipped with sacrificial Zinc Anodes for maximum life in saline fluid environment as well as an in-built non-return valve (Optional)



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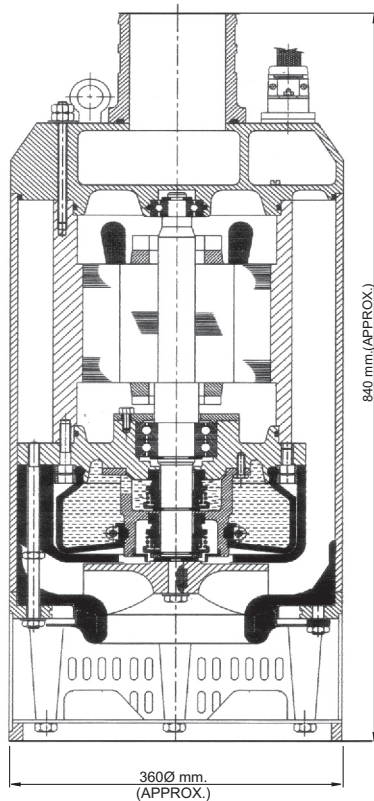
Website : www.modypumps.com

G750TM/00

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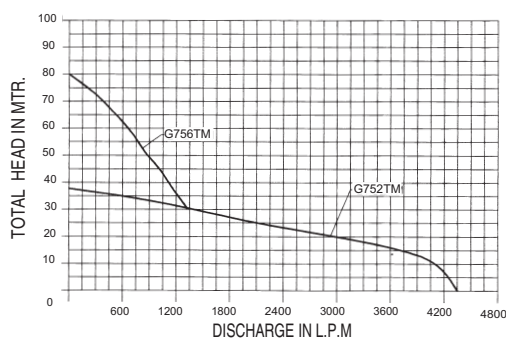
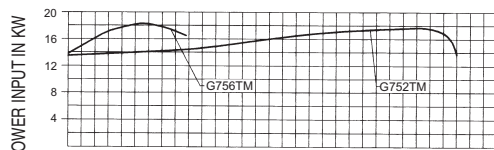
ELECTRIC SUBMERSIBLE DRAINAGE PUMP

G-750 SERIES 20 HP



20 HP PERFORMANCE CURVE

PUMP MODEL : G752TM/G756TM



G-750 SERIES

MATERIAL 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°C)

Speed : 2,850 RPM (approx.)

Power Rating : 15 KW

Current : 28 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 stator windings which trip at high motor In the event of high temperature.

POWER SUPPLY

415 V \pm 6%, 3 Phase, 50Hz \pm 3% A.C. Supply.

All models are also available for any combination of voltage and frequency on special request.

BALL BEARINGS

The rotor shaft is carried in a single row, deep groove ball bearing (upper) and lower bearing arrangement consisting of two single row angular contact bearing arranged back to back capable of carrying high thrust and radial loads. The bearings are filled with high temperature grease containing special anti - corrosive additive ensuring 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 : 4 core 6 sq.mm and 2 core 1sq.mm

For Star-Delta : 7 core 2.5sq.mm and 2 core 1sq.mm (Optional)

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.

MATERIAL OF CONSTRUCTION

Outer casing : Epoxy coated mild steel (also available in S.S. 304-Optional)

Stator casing : Aluminium alloy Extruded

Rotor shaft : S.S. 431

Impeller : S.S. 410 (ASTMA 217 Gr CA 15) Also available in S.S. 304 - Optional)

Diffusor & Wear

Plate : Nitrile rubber moulded

HARDWARE : S.S. 304

STRAINER

30 mm x 10 mm rectangular holes for G 752TM - in S.S. 304

10 mm round holes for G 756TM - in S.S. 304

SUBMERGENCE

Submergence below liquid surface min 90 mm, max. 15 mtrs.

WEIGHT G-752TM

Without cable : 122 kg.

G-756TM

130 kg.

Pump is painted with Epoxy coating surface treatment for longer life.

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 without notice.