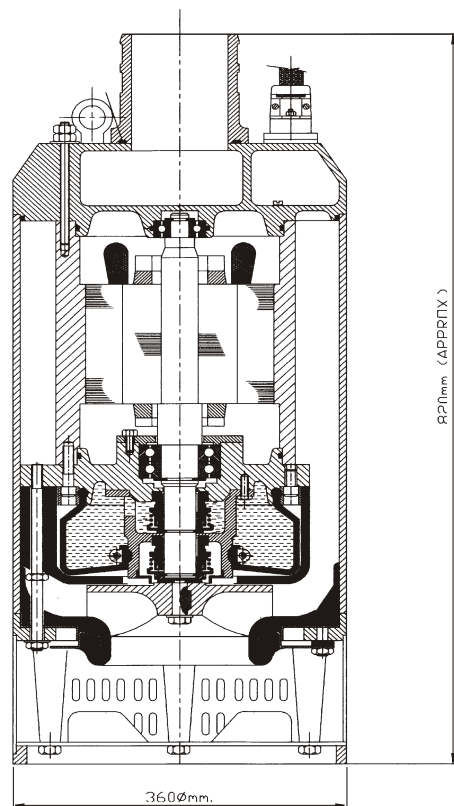


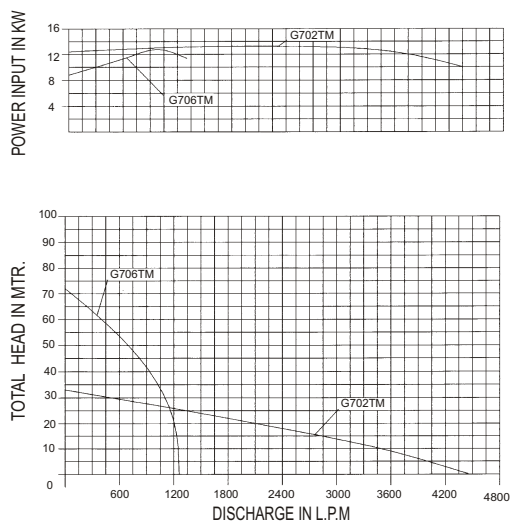
mody ELECTRIC SUBMERSIBLE DRAINAGE PUMP

G-700 SERIES 16 HP



16 HP PERFORMANCE CURVE

PUMP MODEL : G702TM/G706TM



G-700 SERIES

MATERIAL OF CONSTRUCTION AND ENGINEERING DATA

MOTOR (DOL-START)

2-Pole Induction Continuous rated motor with squirrel cage rotor.
 Stator insulation class 'F' (155°C)
 Speed : 2,850 RPM (approx.)
 Power Rating : 11.8 KW
 Current : 24 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 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 angular contact bearing (lower). The bearings are filled with high temperature grease containing special anti - corrosive 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 4 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.

CORROSION RESISTANT

Epoxy coated mild steel outer casing - (also available in S.S. 304-Optional)
 Aluminium alloy Extruded stator casing - (also available in S.S. 304 - Optional)
 S.S. 431 rotor shaft
 S.S. 410 Impeller - (also available in S.S. 304 - Optional)
 Nitrile rubber moulded Diffusor & Wear Plate

HARDWARE : S.S. 304

STRAINER

30 mm x 10 mm rectangular holes for G 702TM - in S.S. 304
 10 mm round holes for G 706TM - in S.S. 304

SUBMERGENCE

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

WEIGHT	G-702TM	G-706TM
Without cable :	122 kg.	130 kg.

Pump is painted with Epoxy coating 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.

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ELECTRIC SUBMERSIBLE DRAINAGE PUMP

G-700 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-702TM

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

Model G-706TM

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

Also Available : 1.5 hp TO 50 hp

G-700 DESIGN ADVANTAGES

- Built-in automatic ON/OFF thermal switches to protect the motor during over load.
- 431 St. Steel shaft and 410 St. Steel Impeller. All hardware are in 304 St. Steel for maximum corrosion resistance
- Choice of impeller materials :
 - 1) For abrassive applications, SS 410 hardened upto 52-55 HRC-Standard.
 - 2) For Sea water and Corrosive applications, SS 304 (Optional)
- Twin Seals in tandem of Tungsten Carbide v/s. Tungsten Carbide.
- Mechanical seals in wholly enclosed pressure compensated oil chamber to optimise seal life.
- Field adjustable nitrile rubber moulded Diffusor / Wear plate to optimise the efficiency throughout the life of pump
- 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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