

mody

ELECTRIC SUBMERSIBLE DEWATERING PUMP

G-530 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-530T

Outlet :- 4" HOSE
(FLANGE/BSPT OPTIONAL)

(Medium Volume - Medium Head)

Model G-536T

(Twin impeller)

Outlet :- 3" HOSE
(FLANGE/BSPT OPTIONAL)

(Low Volume - High Head)

Also available : 1.5 HP to 35 HP

G-530 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 and
 - 2) 304 Stainless Steel for sea water and corrosive applications.
- 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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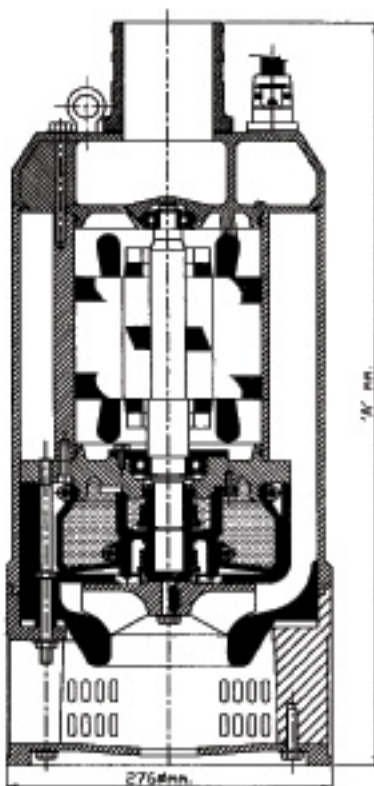
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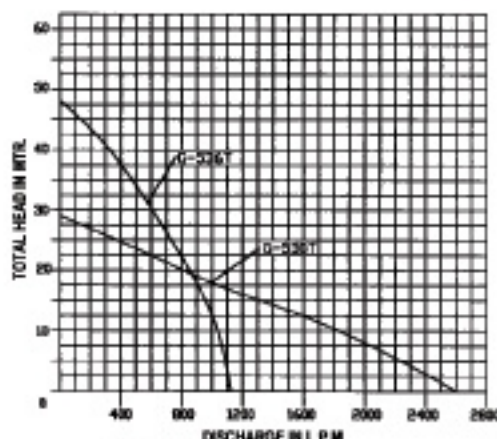
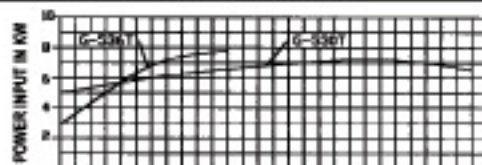
ELECTRIC SUBMERSIBLE DEWATERING PUMP

G-530 SERIES 7.5 HP



MODEL 'A'
G530T 670
G536T 655

7.5 HP PERFORMANCE CURVE



G-530 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 : 5.5 Kw

Current : 12.5 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 2.5 mm² + 2 core 1.0 mm².

➤ 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

Aluminium Alloy Outer Casing. (Also available in SS option.)

Extruded Aluminium Stator Casing. (Also available in SS option.)

SS 431 Rotor shaft.

Impeller - G-530T : SS 410 (SS 304 Optional)

G-536T : SS 304

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

G-530T

55 Kg.

G-536T

61 Kg.

(OPTIONAL ITEMS LISTED ARE AVAILABLE AT EXTRA COST.)

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