



ELECTRIC SUBMERSIBLE DRAINAGE PUMP

G-1200 SERIES

PORTABLE ELECTRIC SUBMERSIBLE PUMP FOR CORROSIVE & ABRASIVE APPLICATIONS

Model G-1204T

10" (250mm) NPT or Hose

90 HP (67kW) @ 60 Hz

(High Volume - Low Head)

Model G-1206T

6" (150mm) NPT or Hose

90 HP (67kW) @ 60 Hz

(Low Volume - High Head)



G-1200 DESIGN ADVANTAGES

- Stainless Steel Shaft, Impeller, Outlet and Hardware for maximum corrosion resistance.
- Choice of impeller materials:
 - 1) 304/316 Stainless Steel for sea water and corrosive applications and;
 - 2) Nitride Hardened 410 Stainless Steel for abrasive applications. (Standard)
- Tandem Silicone Carbide/Silicone Carbide and Silicone Carbide/Silicone Carbide mechanical seals.
- Mechanical Seals in wholly enclosed cast iron oil chamber.
- Field adjustable Nitrile Rubber-lined Diffuser/Wear Plate Optimizes efficiency throughout the life of the pump.
- Automatic ON/OFF/ON Thermal Overloads embedded in Stator Winding Optional - requires 6 core or Control cable and external controls.
- Seal probe Sensor Option Available requires external controls.
- Equipped with Sacrificial Zinc Anodes for maximum life in a saline fluid environment.
- Available in complete 316 Stainless Steel Construction with Silicon Carbide/Silicon Carbide Mechanical Seals and Viton® Elastomers.



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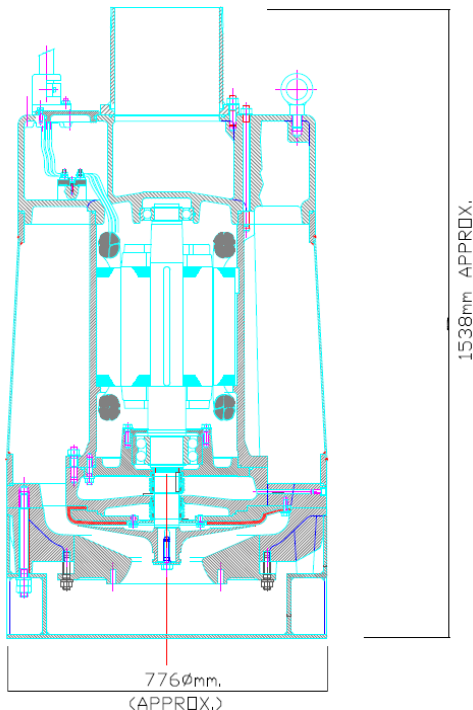
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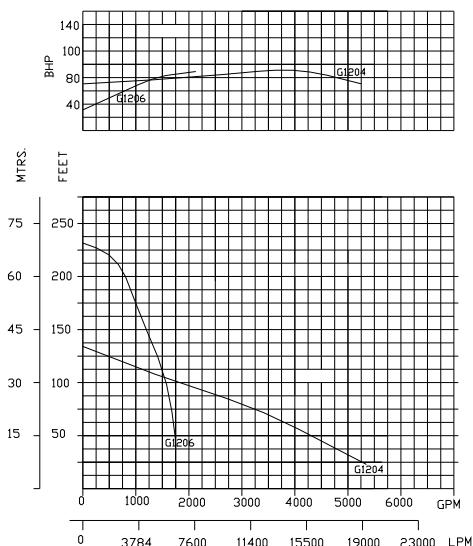
ELECTRIC SUBMERSIBLE DRAINAGE PUMP

G-1200 SERIES 90HP @ 60Hz



PERFORMANCE CURVE

MODEL: G1204/1206T (60Hz)



G-1200 SERIES

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MOTOR

4-pole induction **continuous rated** motor with squirrel cage rotor.
Stator insulation class 'H' (180°C)
Speed : 1750 RPM @ 60 Hz
Power Rating : 90HP @ 60Hz Full Load
Current FLA: 105 Amps @ 460v.
Max. temperature of the pump liquid : 104°F/40°C
Max. start/stop per hour: 15
Star - Delta Starting Optional

POWER SUPPLY

3 phase, 60Hz, AC Supply. Available in any voltage (380/415/460/575/1000V)

BALL BEARINGS

Single row deep groove upper bearing. Double Row Max Capacity Lower bearing.
The bearings are enclosed with high temperature grease-containing special Anti-corrosion additive.

POWER CABLE

Waterproof/oil proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable, 50ft. (15m) length standard. Type SOOW in North America, EPR in the Middle East and HO7RN in the EU. 8 Core with thermal overloads/seal probe sensor optional.

SHAFT SEAL

Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide Mechanical seals wholly enclosed in an oil chamber.

CORROSION RESISTANT

Epoxy coated Steel Outer Casing
Aluminum Stator Casing and Top Bracket
Nitrile Rubber- Lined Diffuser/Wear plate.
Shaft: 431 Stainless Steel
Hardware: 304 Stainless Steel
Impeller: Nitride Hardened 410SS to 56HRC is Standard.
pH range 5 - 8

STRAINER

Galvanized Steel with 12mm X 20mm holes.

SUBMERGENCE

Submergence below liquid surface min 16" (400mm) max. 65' (20m).

WEIGHTS (Approx. without cable)

G 1204/1206: 600Kg