



ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-550 SERIES

PORTABLE ELECTRIC
SUBMERSIBLE PUMP
FOR
CORROSIVE & ABRASIVE
APPLICATIONS

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Model M-554T 4" Flange or Hose

(Medium Volume - Medium Head)

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Also Available 1 HP to 35 HP

M-550 DESIGN ADVANTAGES

- Built-in automatic ON/OFF/ON thermal overload switches protect the motor. Thermal Protectors wired directly to built-in contactor for maximum reliability.
- Equipped with moisture sensor that detects progressive seal wear and automatically shuts down the pump.
- Stainless Steel Strainer, 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) Hardened 410 Stainless Steel for abrasive applications.
- Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide mechanical seals.
- Mechanical Seals in wholly enclosed pressure compensated oil chamber.
- Field adjustable Nitrile Rubber-lined Diffuser/Wear Plate optimizes efficiency throughout the life of the pump.
- Can also be equipped with sacrificial Zinc Anodes for maximum life in a saline fluid environment.

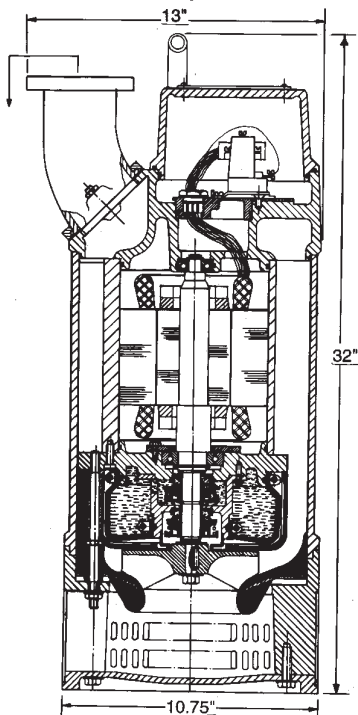


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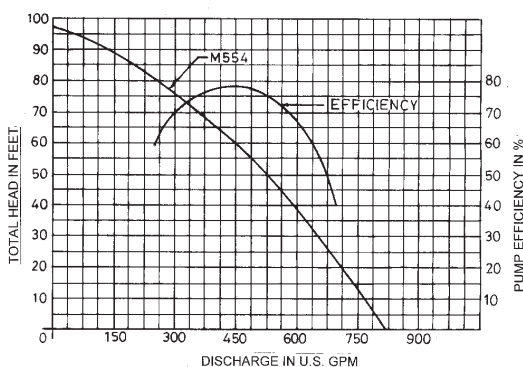
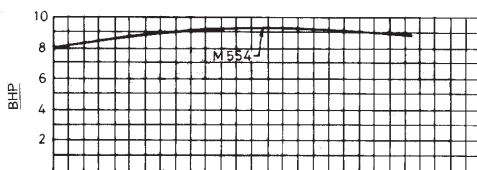
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ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-550 SERIES 10 HP



10 HP PERFORMANCE CURVE



M-550 SERIES

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MOTOR

2-pole induction **continuous rated** motor with squirrel cage rotor.
Stator insulation class 'F' (155°)
Speed: 3450 RPM @ 60 Hz, 2850 RPM @ 50 Hz
Power Rating: 10 HP, Full Load
Current: (14 Amps at 460 Volts)
Max. temperature of the pump liquid: 104°F
Max. start/stop per hour: 15

POWER SUPPLY

3 Phase, 50/60 Hz, AC Supply.
Available in any voltage frequency combination. (208/220/230/380/415/460/575 V)
The pump is equipped with built-in contactor which trips at excessively high temperature through the bimetallic switches in the winding.

BALL BEARINGS

The rotor shaft is carried in two single-row, deep-groove ball bearings.
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, 50' length.

SHAFT SEAL

Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide mechanical seals wholly enclosed in a pressure compensated oil chamber.

CORROSION RESISTANT

Epoxy coated Cast Aluminum Alloy Outer Casing.
Epoxy coated Extruded Aluminum Inner Casing.
Stainless Steel rotating elements.
Nitrile rubber-coated Diffuser/Wear Plate.

STRAINER

Stainless Steel with $1\frac{3}{16}$ " x $\frac{3}{8}$ " rectangular holes.

SUBMERGENCE

Submergence below liquid surface min. 8", max. 50 ft.

WEIGHT M-554T

Without cable 170 lbs.

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