



ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-154 SERIES

**PORTABLE ELECTRIC
SUBMERSIBLE PUMP FOR
CORROSIVE & ABRASIVE
APPLICATIONS**

.....
2 HP (1.5kW)

M 154 S/T (1 Phase-230v)

M 154 T (3 Phase-460v)

2"(50mm) NPT or Hose
.....



M-154 SERIES DESIGN ADVANTAGES

- Stainless Steel Strainer, Shaft, Impeller, Outlet and Hardware for maximum corrosion resistance.
- Choice of impeller materials:
 - 1) 316 Stainless Steel for sea water and corrosive applications and;
 - 2) Nitride Hardened 410 Stainless Steel for abrasive applications. (Standard)
- Tandem Tungsten Carbide/Tungsten Carbide and Tungsten Carbide/Tungsten Carbide mechanical seals.
- Mechanical Seals in wholly enclosed pressure compensated oil chamber.
- Field adjustable Poly Urethane 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 cable and 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.



Mody Pumps® Inc.

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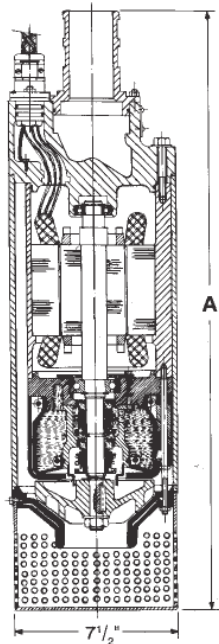
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ELECTRIC SUBMERSIBLE DRAINAGE PUMP

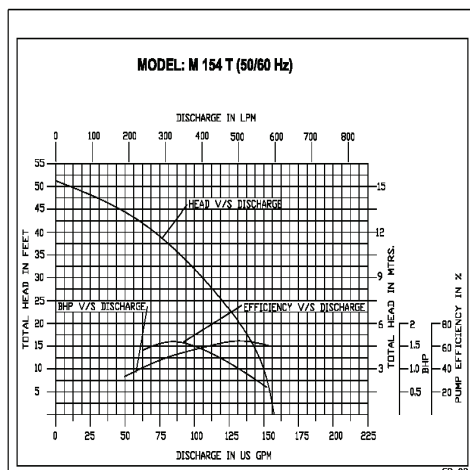
M-154 SERIES 2HP(1.5kW)

MODEL	A
M-154 S/T	26 1/4"
M-154 T	25 1/4"



PERFORMANCE CURVE

MODEL: M-154 S/T



M-154 SERIES

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MOTOR

Air Filled Enclosure: 2.0 HP, 1Ph-230v (M-154S/T), 3Ph-460v (M-154/T)
2-pole induction **continuous rated** motor with squirrel cage rotor.
Stator insulation class 'H' (180°C)
Speed : 3400 RPM @ 60 Hz, 2800 RPM @ 50 Hz
Power Rating : 2.0 HP @ 60 Hz, 1.5kW @ 50Hz Full Load
Current FLA: 14.0 Amps @ 1Ph-230v, 3.8 Amps @ 3Ph-460v
Max. temperature of the pump liquid : 104°F/40°C
Max. start/stop per hour : 15

POWER SUPPLY

M-154 S/T: 1 Phase – 230v, 50/60 Hz, AC Supply
M-154/T: 3 Phase– 460v, 50/60 Hz, AC Supply.

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, 50ft. (15m) length standard. Type SOOW in North America, EPR in the Middle East and HO7RN in the EU. 6 Core with thermal overloads optional.

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

STRAINER

304 Stainless Steel with 1/4" (6mm) Round Holes

SUBMERGENCE

Submergence below liquid surface min 5" (127mm) max. 50' (15m).

WEIGHTS (Approx. without cable)

M 154 S/T: 77 lbs. (35Kg)
M 154 T: 62 lbs. (28 Kg)