

mody

ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-100 SERIES

PORTABLE ELECTRIC
SUBMERSIBLE PUMP
FOR
CORROSIVE & ABRASIVE
APPLICATIONS

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Model M-100M

2" NPT or Hose, 1.3 HP (1 or 3 phase)

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Model M-106M (60 Hz only)

2" NPT or Hose, 1.5 HP (1 or 3 phase)

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Model M-120M

2" NPT or Hose, 2 HP

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Model M-126M (60 Hz only)

2" NPT or Hose, 2 HP

Also Available 1 HP to 35 HP



M-100 DESIGN ADVANTAGES

- Stainless Steel Impeller, Strainer, Hardware, Outlet and Shaft 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.
- Tungsten Carbide/Tungsten Carbide mechanical outer seal with a secondary inner lip seal.
- Seals in wholly enclosed pressure compensated oil chamber.
- Field adjustable Nitrile Rubber-lined Diffuser optimizes efficiency throughout the life of the pump.
- Hardened 410 Stainless Steel Wear Plate.
- Can also be equipped with sacrificial Zinc Anodes for maximum life in a saline fluid environment.
- Available in all 304/316 Stainless Steel.

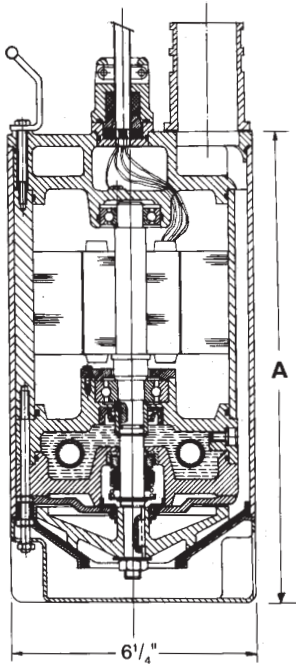


34750 Lencioni Avenue, Bakersfield, CA 93308. USA
Tel.: (661) 392-7600 • Fax: (661) 392-7601
<http://www.modyump.com> • E-mail: sales@modyump.com

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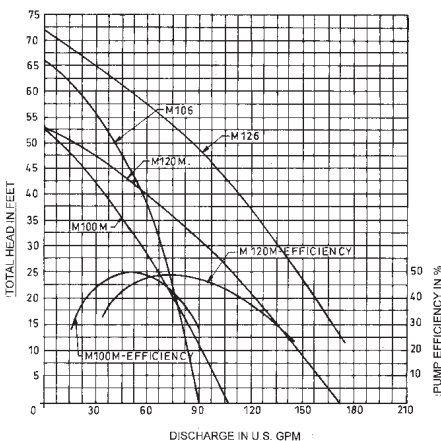
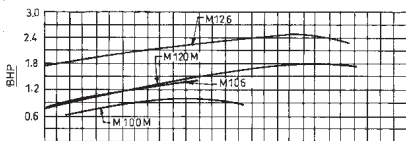
ELECTRIC SUBMERSIBLE DRAINAGE PUMP

M-100 SERIES 1.3 HP / 1.5 HP / 2 HP



Model	A
M-100/106M	12 1/4"
M-100/106S/M	13 1/4"
M-120/126M	13 1/2"

1.3 HP / 1.5 HP / 2 HP PERFORMANCE CURVE



M-100 SERIES

MATERIALS OF CONSTRUCTION AND ENGINEERING DATA

MOTOR

2-pole induction **continuous rated** motor with squirrel cage rotor

Stator insulation class 'F' (155°C)

Speed : 3450 RPM @ 60 Hz, 2850 RPM @ 50 Hz

Power Rating : 1.3 HP (M-100M), 1.5 HP (M-106M), 2 HP (M-120M)

Current : 2 Amps (M-100M), 2.2 Amps (M-106M), 3.4 Amps (M-120M),
9 Amps @ 230V, 1 phase (M-100S/M), 11Amps @ 230V, 1 phase (M-106S/M)

Max. temperature of the pump liquid : 104°F

Max. start/stop per hour : 15

POWER SUPPLY

3 Phase, 50/60 Hz, AC Supply. (M-106/126M model - 60 Hz only)

M-100S/M, M-106 S/M is available in single phase 115/230V AC supply

Available in any voltage frequency combination. (208/220/230/380/415/460/575 V)

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

Tungsten Carbide/Tungsten Carbide mechanical outer seal with a secondary inner lip seal, wholly enclosed in a pressure compensated oil chamber.

CORROSION RESISTANT

Extruded Epoxy coated Aluminum Alloy Outer Casing.

Epoxy coated Extruded Aluminum Inner Casing.

Stainless Steel rotating elements.

Nitrile rubber-coated Diffuser. Hardened 410 SS Wear Plate.

STRAINER

Stainless Steel with 1/4" round holes.

SUBMERGENCE

Submergence below liquid surface min. 3", max. 50'.

WEIGHT	M-100M, M-106M	M-100S/M, M-106S/M	M-120M, M-126M
Without cable	30 lbs.	36 lbs.	38 lbs.

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