

mody

ELECTRIC SUBMERSIBLE ALL STAINLESS STEEL PUMPS

M-200/300/G-500 3" SS SERIES-60Hz

**PORTABLE ELECTRIC
ALL STAINLESS STEEL
SUBMERSIBLE PUMPS FOR
CORROSIVE & ABRASIVE
APPLICATIONS**

PH RANGE OF 3-11

3 HP (2.2kW)

**M 204ST/SS / M 204T/SS (1 or 3 Phase)
3"(75/80mm) NPT or Hose**

5 HP (3.7kW)

**M 304T/SS
3"(75/80mm) PT or Hose**

5 HP (3.7kW)

**G 504T/SS / G 506T/SS
3"(75/80mm) NPT or Hose**

7.5 HP (5.5kW)

**G 536T/SS
3"(75/80Mm) NPT or Hose**

10 HP (7.5kW)

**G 556T/SS
3"(75/80mm) NPT or Hose**

DESIGN ADVANTAGES

- Available in all Stainless Steel materials for corrosive and abrasive applications. These pumps are capable of handling contaminated fluids typical at most landfills, nuclear power plants, mines, paper & pulp industries.
- Slimline Design with centerline discharge to meet the demands of the most critical applications.
- 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)
- Choice of Mechanical Seals:
 - 1) Tandem Mechanical Seals, TC/TC (+ ph 5) and;
 - 2) Tandem Mechanical Seals, SC/SC (- ph 5) (Standard)



**mody
Pumps**

Mody Pumps® Inc.
2166 Zeus Court, Bakersfield, CA 93308. USA
Tel.: (661) 392-7600 • Fax: (661) 392-7601
<http://www.modypump.com>
E-mail: sales@modypump.com



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MATERIALS OF CONSTRUCTIONS AND ENGINEERING DATA

STANDARD CONSTRUCTION

Top Discharge Outlet	316SS
Outer Casing	316SS
Stator Casing	316SS
Strainer	316SS
Wear Plate	316SS
Diffuser	Nitrile Lined *
Impeller	410SS
Sand Guard	316SS
Shaft	431SS
Tandem Mech Seals	SC/SC
O-Rings & Elastomers	Viton®
Exposed Hardware	316SS
Cable Type	SOOW
Oil	Food Grade
Ball Bearing Type	Radial

* 316SS standard on M204 & M304

PUMP

- A removable Top Discharge Outlet, cast/fabricated male NPT is standard on all pump models, hose outlet is optional.
- External Sand Guard behind the Impeller prevents sand/debris from damaging mechanical seal face.
- Field adjustable Diffuser / Wear Plate optimizes the efficiency throughout the life of the pump. (see note in table)

MOTOR

Continuous Duty Rated Squirrel Cage Induction Motor rated IP68 completely submersible, Class H Insulation (180°C) tripple dipped and epoxied end windings.

Speed: 3400 RPM @ 60Hz

Maximum temperature of pump liquid: 104°F/ 40°C

Maximum Start/Stop per hour: 15

POWER SUPPLY

1 & 3 phase, 60 Hz. AC Supply. Available in any voltage / frequency combination. 115/208/220/230/460/575/1000V)

BALL BEARINGS

The rotor rotates on two single row, deep groove ball bearings, enclosed with high temperature grease containing special anti-corrosion additive.

SHAFT SEAL

Tandem SC/SC & SC/SC Upper and lower mechanical seals wholly enclosed in a pressure compensated oil chamber. TC/TC are optional.

POWER CABLE

Waterproof/oil proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable, 50ft, (15m) length (standard).

CABLE ENTRY SEAL

Water Dam type cable entry seal designed without Silicones or Epoxies.

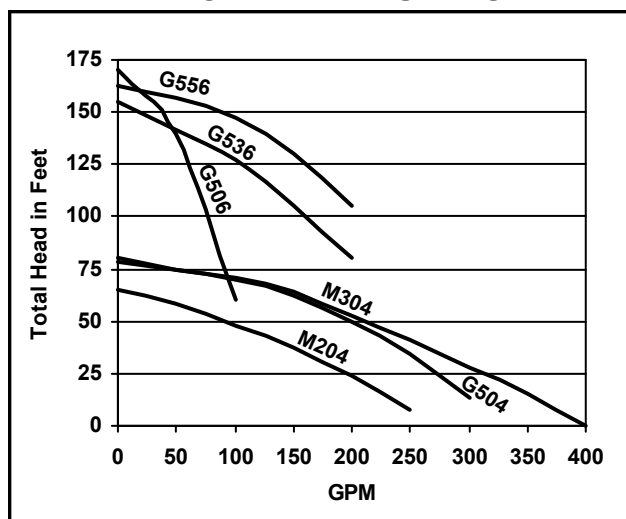
CABLE STRAIN RELIEF

Three foot long stainless steel cable sheath terminated at the cable gland is provided for strain relief on all pump models.

SUBMERGENCE

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

PERFORMANCE CURVES



MODEL	MOTOR		CURRENT AMPS	DIMENSIONS (In.)		STRAINER	WEIGHT *
SLIMLINE	HP	PH	230/460V 115/220V	H	W	HOLE SIZE (In.)	Lbs.
M 204 T/SS	3	3	9.8 / 4.9	26-1/4	7-1/2	1/4	118
M 204 S/T/SS	3	1	NA / 19	28-1/2	7-1/2	1/4	128
M 304 T/SS	5	3	14.2 / 7.1	28-1/2	7-1/2	1/4	128
G504T/SS	5	3	14.2 / 7.1	25-1/4	10-3/4	1 x 1/4	150
G506T/SS	5	3	14.2 / 7.1	25-1/4	10-3/4	1/4	150
G536T/SS	7.5	3	22 / 11	28-1/2	10-3/4	1/4	170
G556T/SS	10	3	28 / 14	29-1/2	10-3/4	1/4	190

* Weights (Approx. Without Cable)

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