

mody

ELECTRIC SUBMERSIBLE ALL STAINLESS STEEL PUMPS

M-200/400/G-500 3" SS SERIES-50Hz

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

PH RANGE OF 2-10

3 HP (2.2kW)

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

4 HP (3.0kW)

**M 404T/SS
3"(75/80mm) NPT 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)



The logo for Mody Pumps, featuring the word 'mody' in a stylized blue font with a globe icon inside the letter 'o', and the word 'Pumps' in a bold blue font below it.

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

M-204/404/G-500 3" SS SERIES-50Hz

MATERIALS OF CONSTRUCTIONS AND ENGINEERING DATA

STANDARD CONSTRUCTION

Top Discharge Outlet	316SS
Outer Casing	316SS
Stator Casing	316SS
Strainer	316SS
Wear Plate	316SS*
Diffuser	316SS*
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

* Nitrile rubber standard on G506,G536,G556 (Poly optional)

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 all stainless steel 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: 2800 RPM @ 50Hz

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

Maximum Start/Stop per hour: 15

POWER SUPPLY

1 & 3 phase, 50 Hz. AC Supply. Available in any voltage / frequency combination. 230/380/400/415V

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.

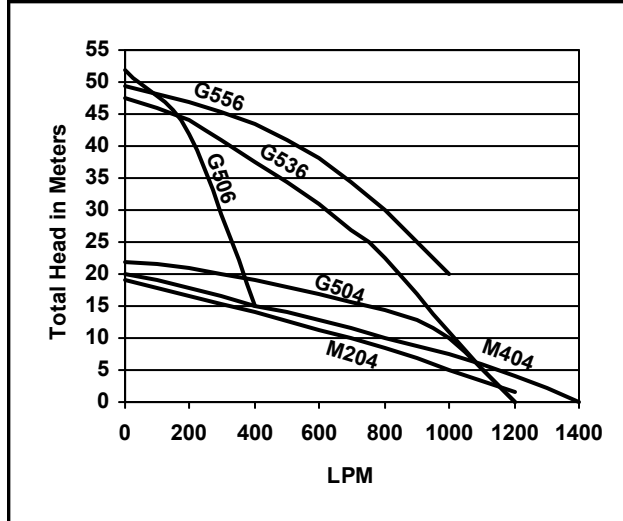
CABLE STRAIN RELIEF

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 (mm)		STRAINER HOLE SIZE (mm)	WEIGHT *
	kW	ph		H	W		
			1Ø 220V 3Ø 400V				kg.
M 204 T/SS	2.2	3	5.5	667	191	6	54
M 204 S/T/SS	2.2	1	19	724	191	6	58
M 404 T/SS	3	3	5.5	699	191	6	57
G504T/SS	3.7	3	8.1	640	276	25 x 6	68
G506T/SS	3.7	3	8.1	640	276	6	68
G536T/SS	5.5	3	12.5	725	276	6	77
G556T/SS	7.5	3	16	750	276	6	86

* Weights (Approx. Without Cable)