



GSZ- 4/6 - SERIES

[4Pole]HIGH VOLUME - DEWATERING PUMP
[6Pole]HIGH VOLUME - SLURRY PUMP

SPECIFICATIONS

■ FEATURES

1. Enclosed, high chrome cast iron or Stainless Steel impeller with field adjustable/replaceable wear plate provides for high wear resistance when the pumpage contains abrasive particles.
2. Highly efficient, continuous duty air filled, copper wound motor with class F insulation minimizes the cost of operation.
3. Built in thermal protection prevents motor failure due to overloading, accidental run-dry and single phasing in three phase units.
4. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber, further protected by a labyrinth seal, running against a Replaceable, 430 stainless steel shaft sleeve and seal pressure relief ports,-

Providing for the most durable seal design available.

5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours provide for extended operational life.



■ APPLICATIONS

1. Commercial, industrial wastewater and construction site drainage.
2. Slurry & Gravel pit drainage.
3. Sediment removal from sumps or basins.



■ SPECIFICATIONS

Discharge Size
Horsepower Range
Performance Range Capacity
Head
Maximum water temperature
Materials of Construction
Casing
Impeller
Shaft
Motor Frame
Fasteners
Seal Pressure Relief ports
Mechanical Seal
Elastomers
Impeller Type
Solids Handling Capability

Bearings

Motor Nomenclature
Type, Speed, Hz.
Voltage, Phase
Insulation

Accessories

Operational Mode

■ STANDARD

6"~10" NPT (150mm ~ 250 mm)
30 HP.~ 200 HP. (22 kW ~ 150 kW)
528 ~ 5019 GPM (2.0 ~19 m³/min)
24.6 Ft. ~ 230 Ft. (7.5 m ~ 70 m)
104°F. (40°C.)

Cast Iron
High Chrome Iron/Stainless Steel
420 Stainless Steel
Cast Iron/Steel Jacket
304 Stainless Steel
4P-1800RPM Motor Model
6P-1200RPM Motor Model
Silicon Carbide
NBR (Nitrile Butadiene Rubber)
Enclosed, Open, solids handling
0.394 ~ 1.97" (10 - 50mm)

Prelubricated, Double Shielded

Air Filled, 1200 & 1800 Rpm, 60 Hz.
460 or 575 V., 3 Phase
Class F

Submersible Power Cable 50' (15 m)

Manual

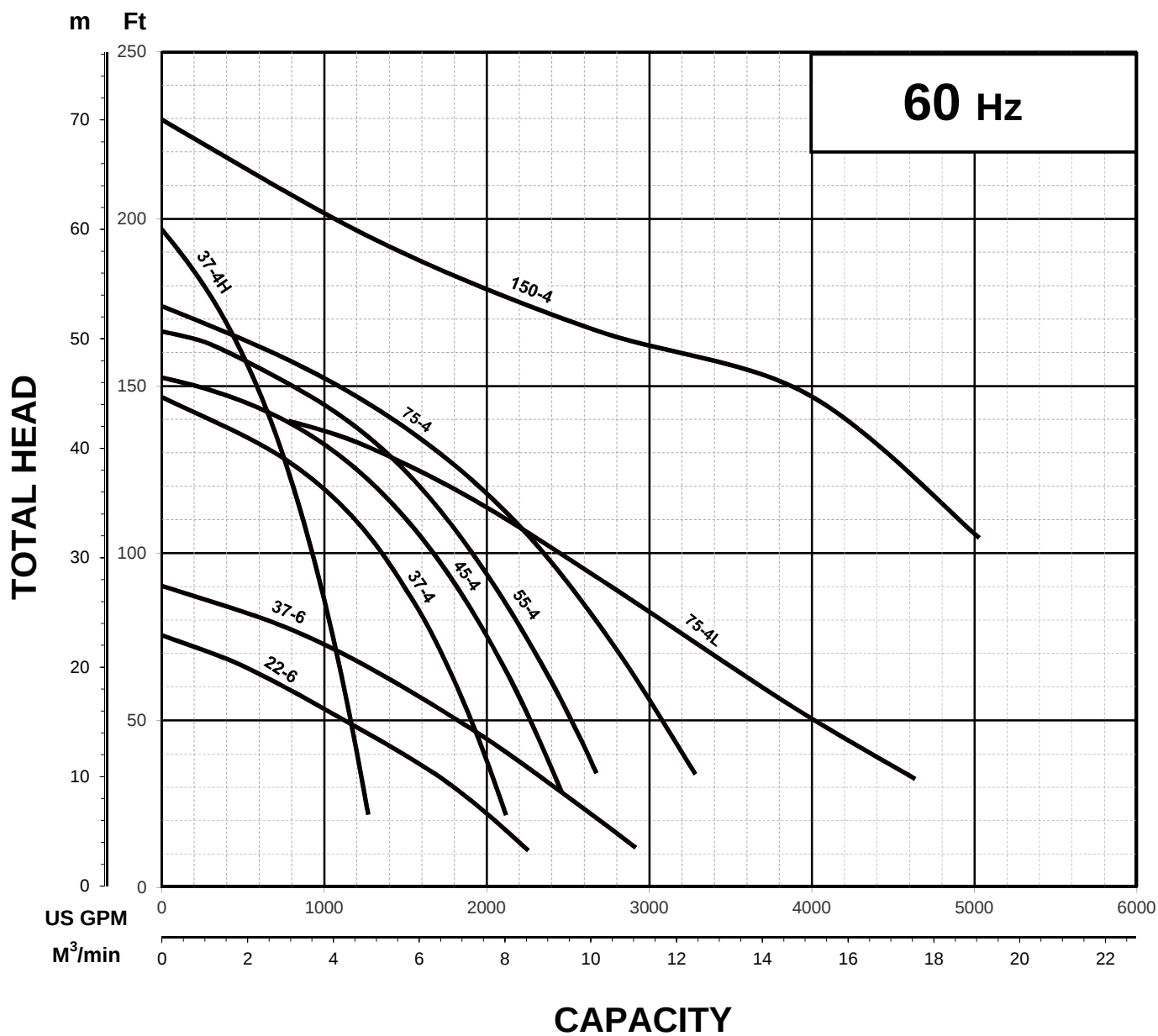
■ OPTIONS

Length as Required.

**GSZ - SERIES**

[4 Pole] High Volume - Dewatering Pumps
[6 Pole] High Volume - Slurry Pumps

**PERFORMANCE
CURVE**

GROUP PERFORMANCE RANGE

Note

Ex.

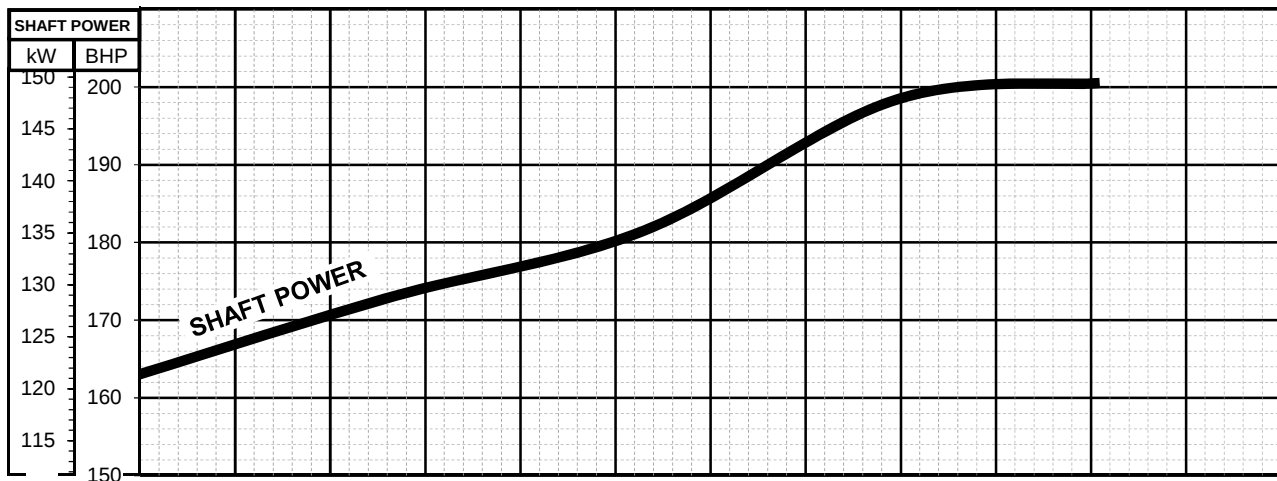
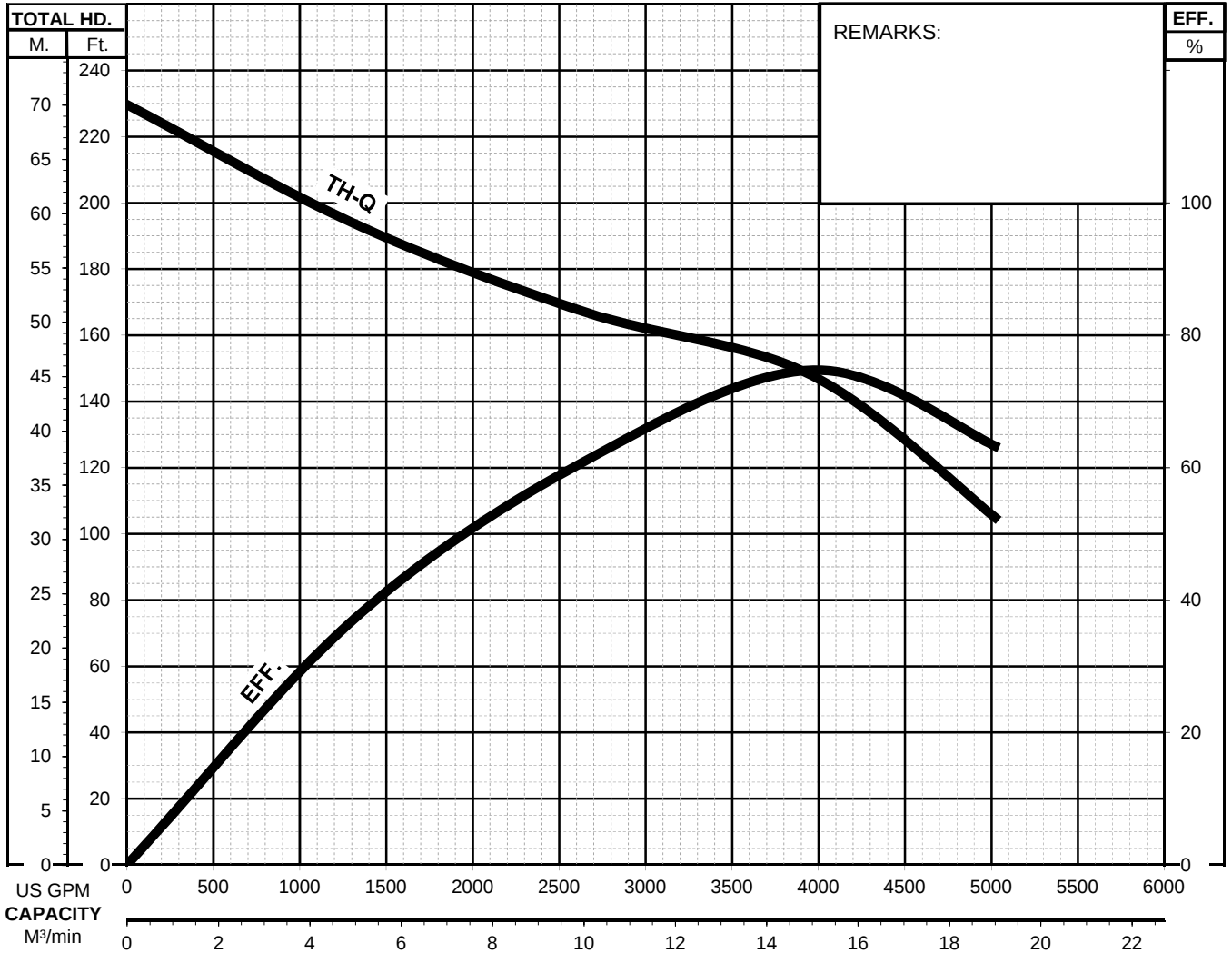


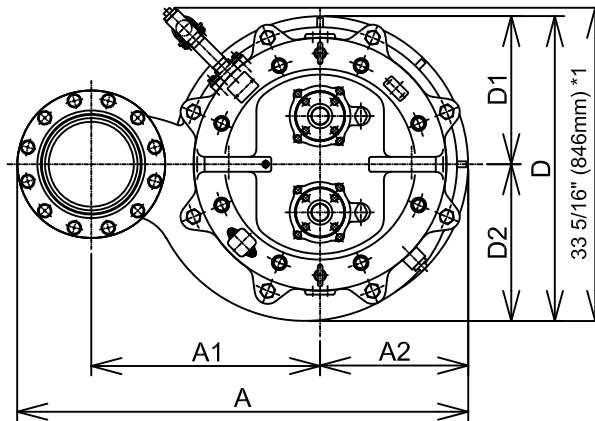
GSZ-4 - SEREIES

HIGH VOLUME - DEWATERING PUMPS

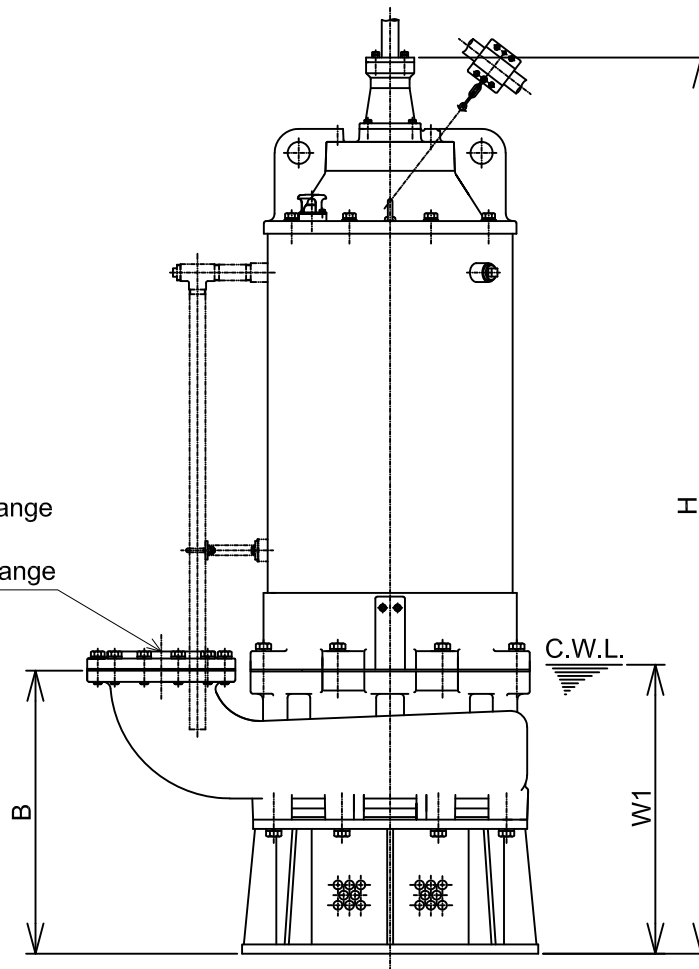
**PERFORMANCE
CURVE**

MODEL	BORE	HP	KW	RPM	SOLIDS DIA.	LIQUID	SG.	VISCOSITY	TEMP.
GSZ-150-4	10"/250mm	200	150	1775	0.984"/25mm	Water	1.0	1.123cSt.	60°F
PUMP TYPE	PHASE	VOLTAGE	AMPERAGE	HZ	STARTING METHOD	INS. CLASS			
High Volume - Dewatering Pump	3	440 / 460	265 / 265	60	Star-Delta	F			
CURVE No.	DATE	PHASE	VOLTAGE	AMPERAGE	HZ	STARTING METHOD	INS. CLASS		
-	-	-	-	-	-	-	-		



**TSURUMI PUMP**
GSZ-4 SERIES
HIGH VOLUME - DEWATERING PUMPS
DIMENSIONS**GSZ-150-4**

10" JIS10K(150PSI) Flange
with
10"NPT Companion Flange



C.W.L. :Continuous running Water Level
*1 is reference

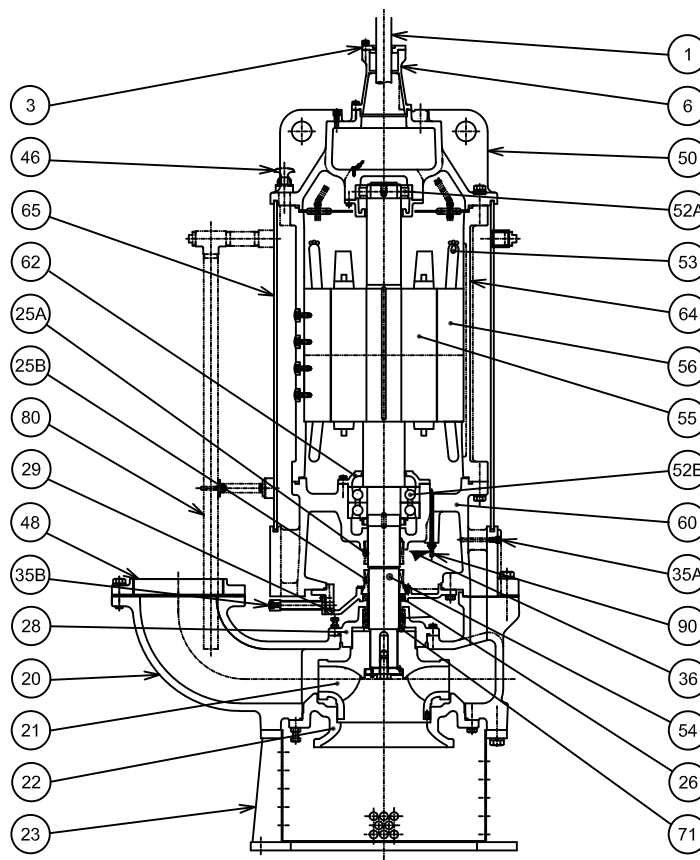
DIMENSIONS:USCS (Inch)

Model	HP	NOM. SIZE	Pump & Motor								C.W.L.	*Wt.
			A	A1	A2	B	D	D1	D2	H	W1	(lbs.)
GSZ-150-4	200	10"	47 15/16	24 5/16	15 3/4	30 1/16	32 3/8	15 3/4	16 5/8	95 1/4	30 3/4	5130

DIMENSIONS:METRIC (mm)

*Excluding Cable

Model	kW	NOM. SIZE	Pump & Motor								C.W.L.	*Wt.
			A	A1	A2	B	D	D1	D2	H	W1	(kg)
GSZ-150-4	150	250	1218	618	400	764	823	400	423	2420	780	2330

**TSURUMI PUMP**
GSZ-4 SERIES
HIGH VOLUME - DEWATERING PUMPS
SECTIONAL VIEW**GSZ-150-4**

ITEM#	DESCRIPTION	MAIN MATERIAL / NOTE	ASTM, AISI CODE	RELATED EN CODE	Q'TY
1	Power Cable	Chloroprene Sheath AWG 1/0-3C, 4-1C, 14-3C-50ft			1
	Power Cable	Chloroprene Sheath AWG 1/0-3C-50ft			1
3	Gland	Cast Iron	A48M Class30B	EN 1561 GJL-200	2
6	Stuffing Box	Cast Iron	A48M Class30B	EN 1561 GJL-200	2
20	Pump Casing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
21	Impeller	High Chrome Cast Iron	A532 ClassIII TypeA	DIN 1695 G-X260Cr27	1
22	Suction Cover	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
23	Suction Strainer	Steel	A283 Grade D	EN 10025 S275	1
25A	Mechanical Seal	Carbide Alloy / MU0095			1
25B	Mechanical Seal	Silicon Carbide / ML0090			1
26	Oil Seal	NBR / TC10012513			4
28	Seal Housing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
29	Oil Casing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
35A	Oil Plug	Stainless Steel	S 30400	1.4301	4
35B	Oil Plug	Stainless Steel	S 30400	1.4301	1
36	Lubricant	Turbine Oil ISO VG32 or SAE 10W-20			
46	Air Release Valve	Steel (Cold Rolled)	A109/A1008	EN 10130	1
48	Companion Flange	Cast Iron / NPT 10" JIS10K	A48M Class30B	EN 1561 GJL-200	1
50	Motor Bracket	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
52A	Upper Bearing	#NU316			1
52B	Lower Bearing	#7320BTDB			1
53	Motor Protector				3
54	Shaft	Stainless Steel	S 42000	1.4021	1
55	Rotor				1
56	Stator				1
60	Bearing Housing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
62	Bearing Cover	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
64	Motor Housing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
65	Outer Cover	Steel Pipe (& Steel)	A53 Type F (& A283 Grade D)	DIN 1615 St 33 (EN 10025 S275)	1
71	Shaft Sleeve	Stainless Steel	S 40300	1.4000	1
80	Cooling Pipe Set	Steel	A283 Grade D	EN 10025 S275	1
90	Leak Sensor (Electrode)	Stainless Steel	S 30300	1.4305	1