



AB - SERIES PROPELLER TYPE - DEWATERING PUMPS

SPECIFICATIONS

■ FEATURES

1. Axial flow, cast iron propeller provides for high efficiency, high volume pumping at low head.
2. Highly efficient, continuous duty air filled, copper wound motor with class E, 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 and further protected by a lip seal running against a replaceable, 430 stainless steel shaft sleeve, provides 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.
6. AB Series has non toxic White Mineral Oil.

■ APPLICATIONS

1. Residential, commercial, industrial wastewater and site drainage.
2. Decorative waterfalls and fountains.
3. Raw water supply from lakes or rivers.
4. Tail Water Pump.



■ SPECIFICATIONS

Discharge Size
Horsepower Range
Performance Range Capacity
Head
Maximum water temperature
Materials of Construction
Casing
Impeller
Shaft
Motor Frame
Fasteners

Mechanical Seal
Elastomers

Impeller Type
Solids Handling Capability

Bearings

Motor Nomenclature
Type, Speed, Hz.
Voltage, Phase

Insulation

Accessories

Operational Mode

■ STANDARD

4"~6" NPT. (100 - 150 mm)
1/ 2 - 2 Hp. (0.4 - 1.5 kW)
92.5 - 666.0 GPM. (0.35 - 2.52 m³/min)
2.5 - 13.0 Ft. (0.75 - 3.96 m)
104° F. (40° C.)

Cast Iron
Cast Iron
403 Stainless Steel
Steel Plate , Cast Iron
304 Stainless Steel

Silicon Carbide
NBR (Nitril Buna Rubber)

Axial Flow, High Volume
0.118 - 0.315" (3.0 - 8.0mm)

Pre-lubricated, Double Shielded

Air Filled, 3600 /1800 Rpm, 60 Hz.
115 / 230 V., 1 Phase (1/ 2 Hp)
208-220 / 460V ., 3Phase (1/ 2 - 2 Hp.)
Class E

Submersible Power Cable
16 - 32' (5 - 10 m)
Manual

■ OPTIONS

Nema 3R inverter available for
230 V., 1 Ph. operation from
1~2 Hp.

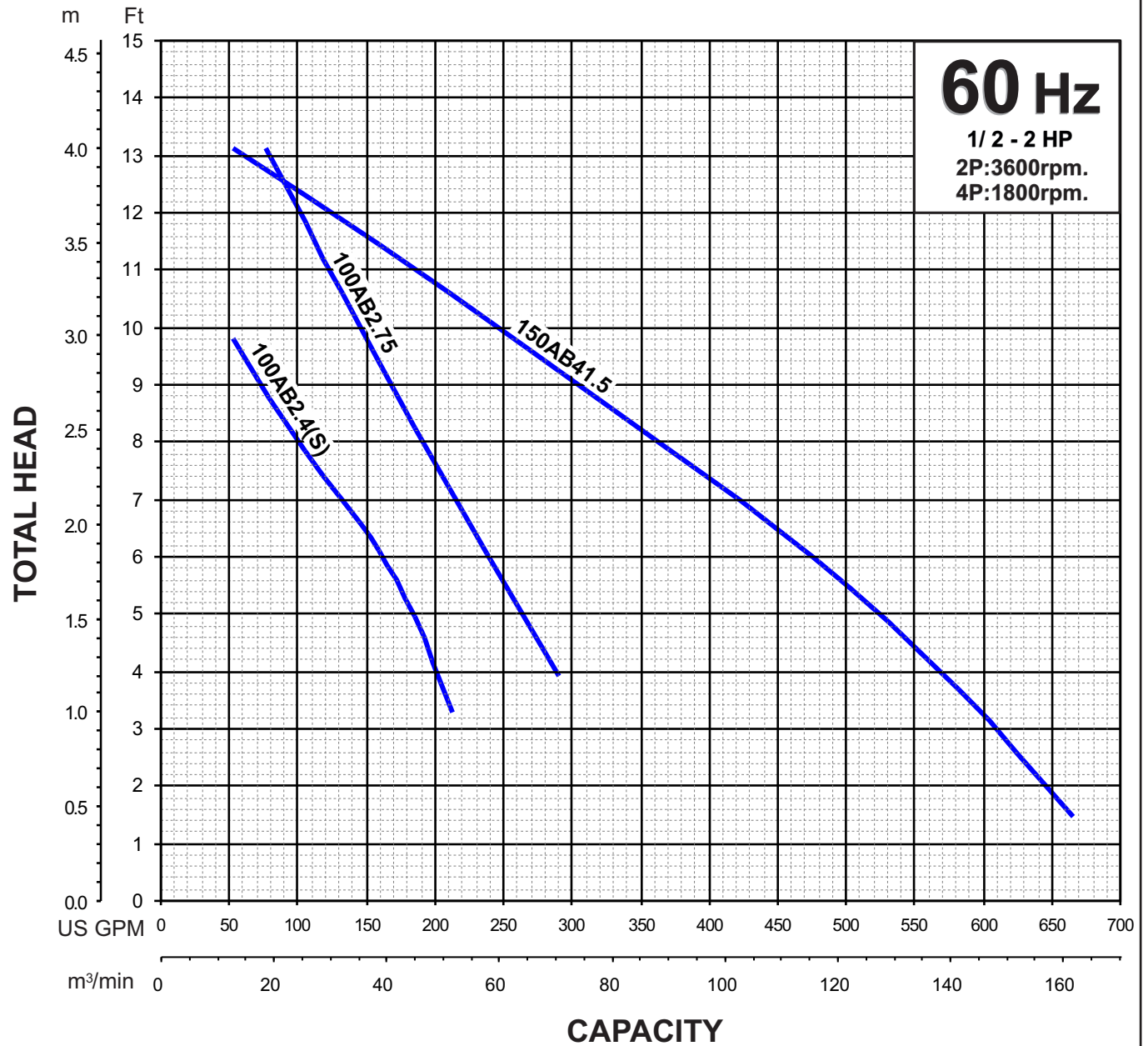
Length as Required



AB - SERIES
PROPELLER TYPE - DEWATERING PUMP

**PERFORMANCE
RANGE**

GROUP PERFORMANCE RANGE



Apr-20

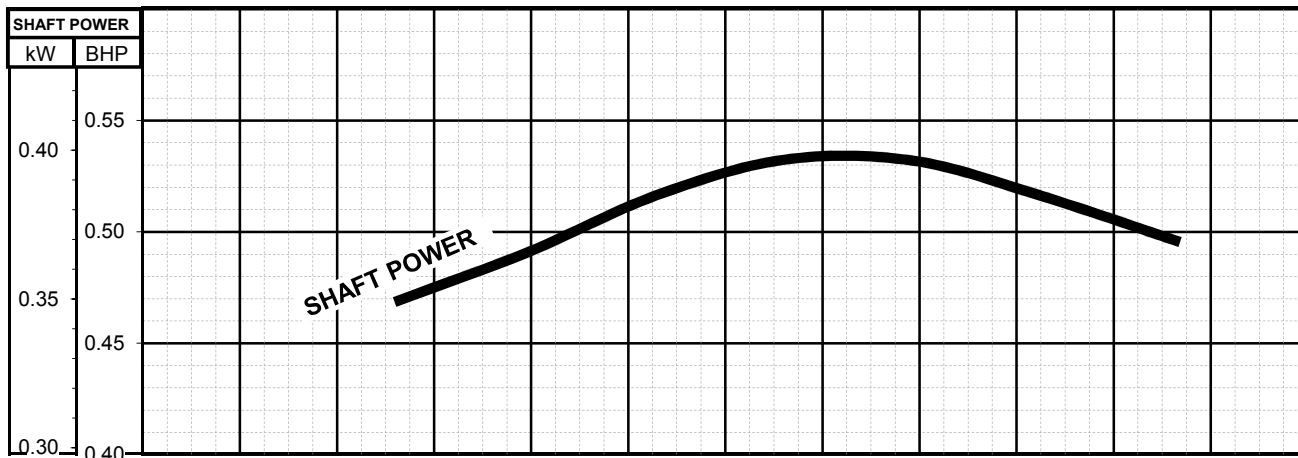
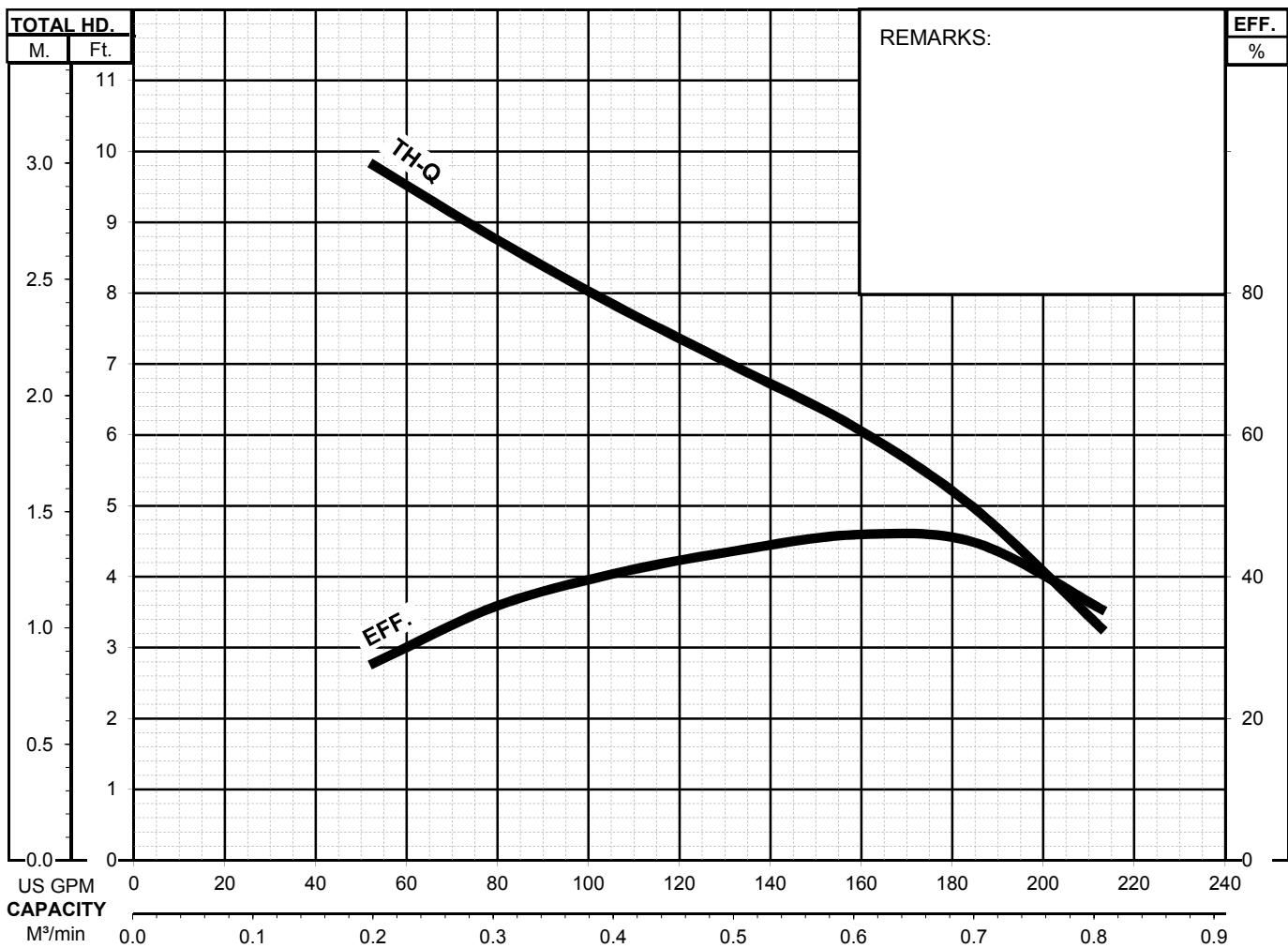
**TSURUMI PUMP**

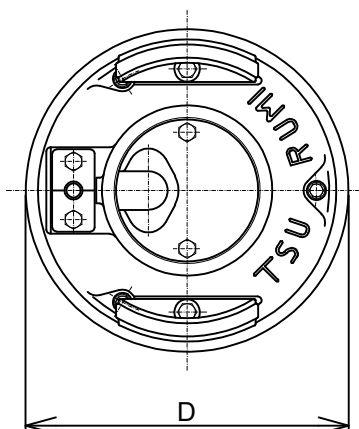
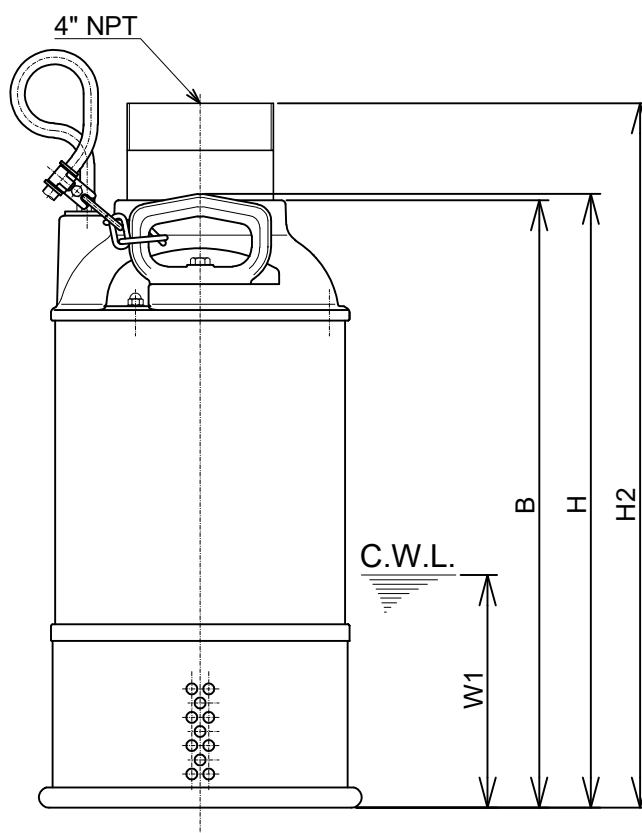
AB - SERIES

PROPELLER TYPE - DEWATERING PUMPS

PERFORMANCE
CURVE

MODEL		BORE	HP	kW	RPM	SOLIDS DIA.	LIQUID	SG.	VISCOSITY	TEMP.
100AB2.4S-62		4"/100mm	0.54	0.40	3430	0.315"/8mm	Water	1.0	1.123cSt.	60°F
PUMP TYPE		PHASE	VOLTAGE		AMPERAGE		HZ	STARTING METHOD		INS. CLASS
Propeller Type Dewatering Pump		Single	115 / 230		7.9 / 4.2		60	Capacitor Start		E
CURVE No.	DATE	PHASE	VOLTAGE		AMPERAGE		HZ	STARTING METHOD		INS. CLASS
-	-	-	-		-		-	-		-



**TSURUMI PUMP**
AB SERIES
PROPELLER TYPE - DEWATERING PUMPS
DIMENSIONS
100AB2.4S-62
100AB2.4-61
100AB2.75-61


C.W.L. : Continuous running Water Level

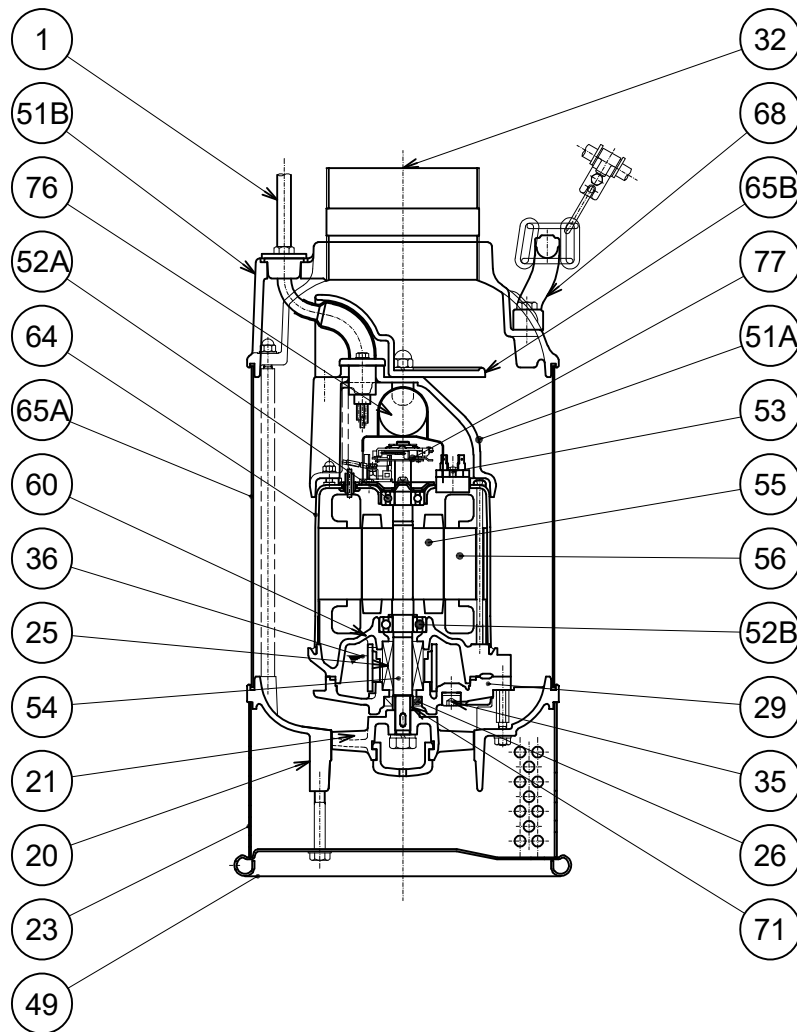
DIMENSIONS:USCS (Inch)

Model	HP	NOM. SIZE	Pump & Motor				C.W.L.	*Wt. (lbs.)
			D	B	H	H2	W1	
100AB2.4S-62	1/2	4"	9 13/16	18 4/8	18 11/16	21 7/16	7 1/8	40
100AB2.4-61	1/2	4"	9 13/16	18 4/8	18 11/16	21 7/16	7 1/8	40
100AB2.75-61	1	4"	9 13/16	18 4/8	18 11/16	21 7/16	7 1/8	42

DIMENSIONS:METRIC (mm)

*Excluding Cable

Model	kW	NOM. SIZE	Pump & Motor				C.W.L.	*Wt. (kg)
			D	B	H	H2	W1	
100AB2.4S-62	0.4	100	250	470	475	545	180	18
100AB2.4-61	0.4	100	250	470	475	545	180	18
100AB2.75-61	0.75	100	250	470	475	545	180	19

**TSURUMI PUMP**
AB SERIES
PROPELLER TYPE - DEWATERING PUMPS
SECTIONAL VIEW

PART#	DESCRIPTION	MAIN MATERIAL / NOTE	ASTM, AISI CODE	RELATED DIN CODE	QTY
1	Power Cable	PVC Sheath AWG16/3-16ft			1
20	Pump Casing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
21	Impeller	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
23	Suction Strainer	Steel (Cold Rolled)	A109/A1008	EN 10130	1
25	Mechanical Seal	Silicon Carbide / W-14HC			1
26	Oil Seal	Nitrile Butadiene Rubber / SC-15287			1
29	Oil Casing	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
32	Discharge Connection	Cast Iron / NPT 4"	A48M Class30B	EN 1561 GJL-200	1
35	Oil Plug	Stainless Steel	S 30400	1.4301	1
36	Lubricant	White Mineral Oil ISO VG32			
49	Bottom Plate	Steel (Cold Rolled)	A109/A1008	EN 10130	1
51A	Motor Head Cover	Aluminium Alloy Die Casting	B85 383.0	EN 1706 AC-46100	1
51B	Pump Head Cover	Cast Iron	A48M Class30B	EN 1561 GJL-200	1
52A	Upper Bearing	#6201ZZC3			1
52B	Lower Bearing	#6202ZZC3			1
53	Motor Protector				1
54	Shaft	Stainless Steel	S 40300	1.4000	1
55	Rotor				1
56	Stator				1
60	Bearing Housing	Cast Iron	A48M Class25B	EN 1561 GJL-150	1
64	Motor Housing	Steel (Cold Rolled)	A109/A1008	EN 10130	1
65	Outer Cover	Stainless Steel	S 30400	1.4301	1
68	Handle	Cast Iron	A48M Class30B	EN 1561 GJL-200	2
71	Shaft Sleeve	Stainless Steel	S 40300	1.4000	1
76	Capacitor				1
77	Centrifugal Switch				1