

BUILT FOR WORK



CONTRACTOR PUMPS & GENERATORS

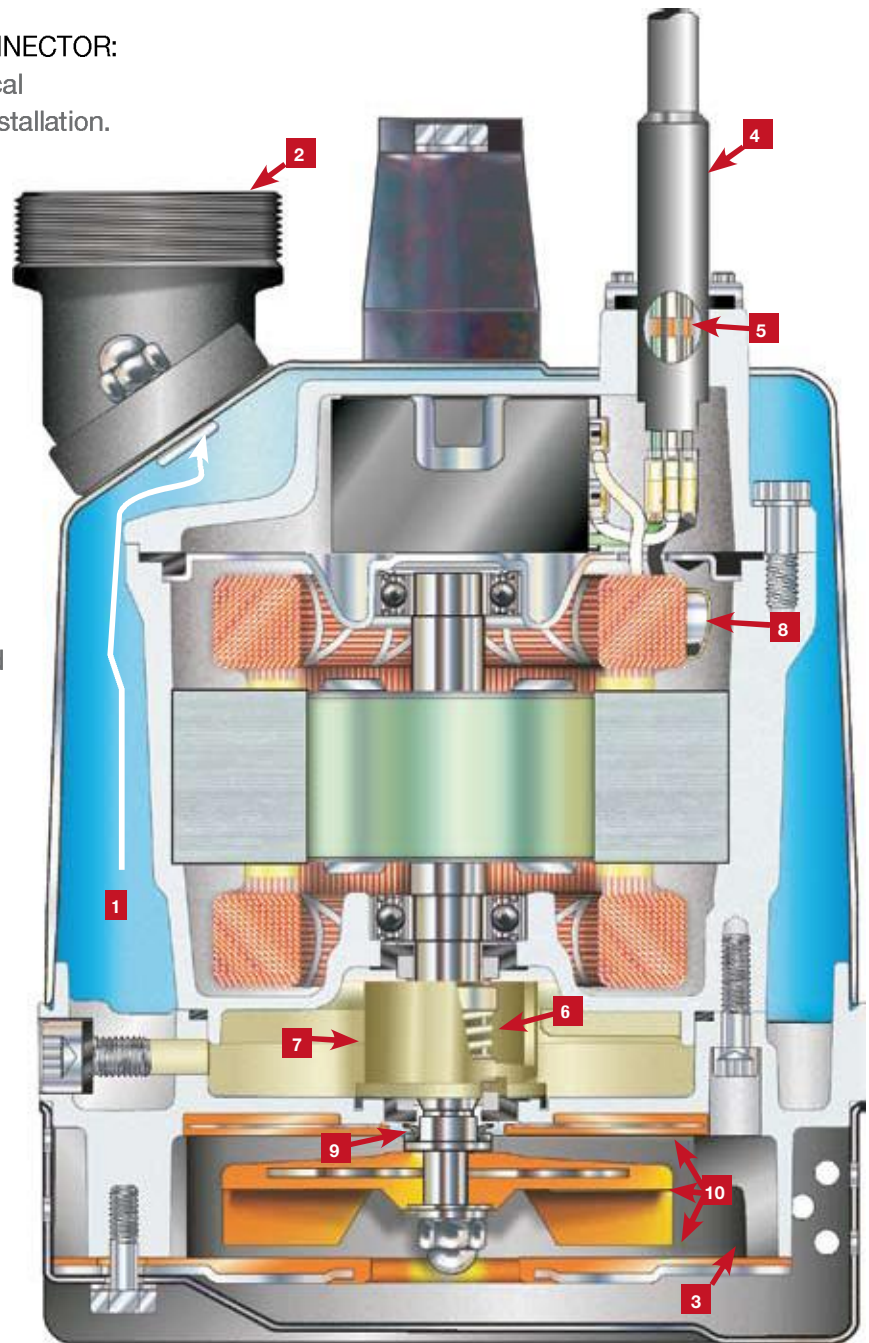
Tsurumi Pump Electric Submersible Pumps

480/A Features

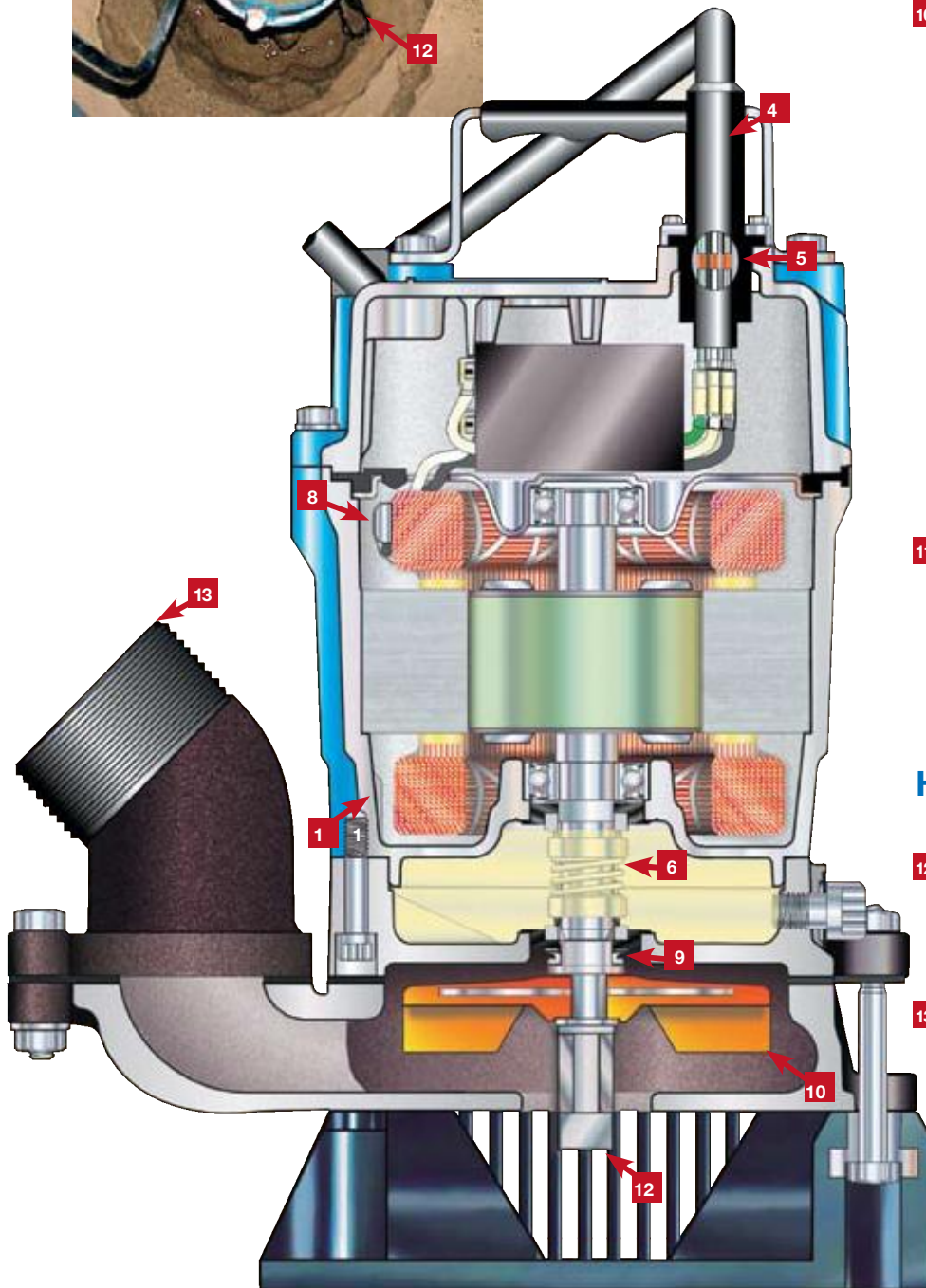
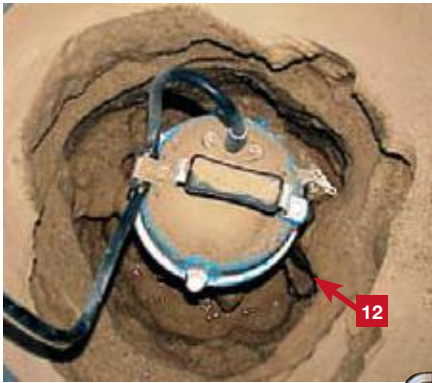
- 1** TOP DISCHARGE, FLOW THRU DESIGN
- 2** MULTI-DIRECTIONAL DISCHARGE CONNECTOR:
Can be configured for horizontal or vertical discharge. Providing for a more stable installation.
- 3** RUBBER CASING WITH LARGE ROUNDED CUT-WATERS: Resists wear and degradation of performance due to abrasive particles.

Long-life by design

- 4** CABLE BOOT: Prevents kinking at cable entrance by extending bending radius.
- 5** ANTI-WICKING BLOCK: Prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.
- 6** DOUBLE INSIDE MECHANICAL SEAL WITH SILICON CARBIDE FACES:
Provides the longest operational life of any seal available.
- 7** OIL LIFTER: Provides lubrication of the seal faces down to 1/3 of normal oil level and extends seal life by ten times—uses no additional power.



Featured Model LB480



8 MINIATURE THERMAL MOTOR PROTECTOR: Protects against, overheating & run-dry.

9 "V" RING SEAL PROTECTOR: Protects mechanical seal from abrasive particles.

10 URETHANE, SEMI-VORTEX IMPELLER & WEAR PLATES: Resists wear by abrasive particles and does not depend on close tolerances to maintain pump performance.



Tsurumi Impeller polished, not worn by abrasive material.

Competitor Impeller is effectively worn out.

11 COPPER WINDINGS WITH CLASS E INSULATION: Operates at lower temperatures, extending insulation and bearing life.

HS Features

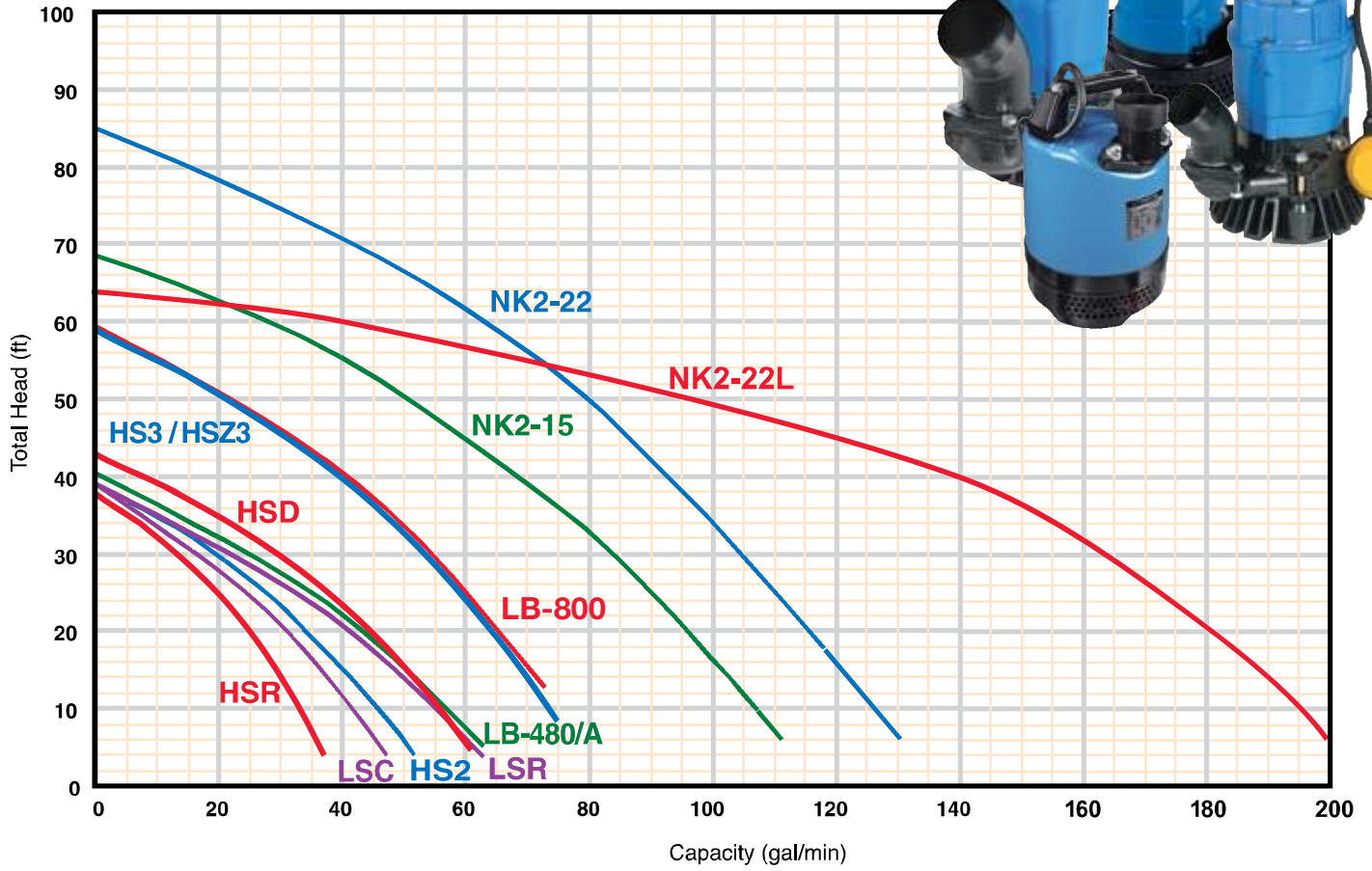
12 AGITATOR: Suspends sand and mud, allowing for sediment removal from sumps or basins.

13 45° ANGLED DISCHARGE CONNECTOR: Provides for a more stable installation for either vertical or horizontal discharge hose.

Model HS2.4S-62 (Not all features available on every Tsurumi submersible pump).

Electric Submersible Pumps

PERFORMANCE CURVES



LB GENERAL DEWATERING PUMPS

Powerful pumps built with durable materials in an easy handling design. Top discharge provides maximum motor cooling efficiency allowing continuous duty operation at low water levels and extended dry-run capability.



LB-480 FEATURES

- Urethane, Semi Vortex Impeller and Wear Plates for maximum durability and maintaining pump performance.
- Double Inside Mechanical Seal With SiC faces provides the longest operational life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal design protects mechanical seal from abrasive particles.



Optional Accessories

- TS-301 Float Switch for automatic operation.



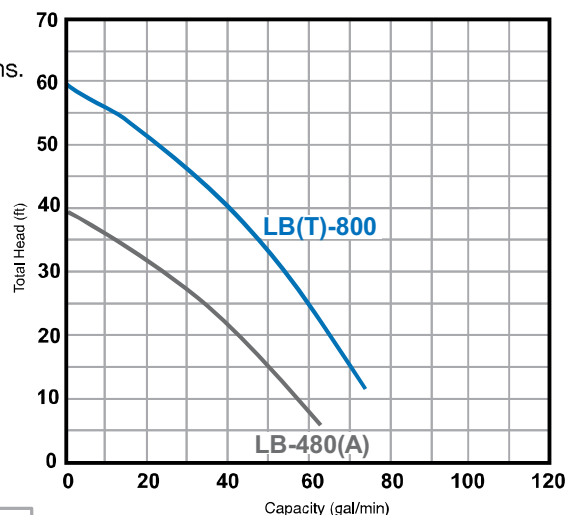
New: Multi-directional discharge connector

LB(T)-800 FEATURES

- Designed to fit an 8" pipe.
- Up to 60' shut off head.
- Available in 220V single-phase for lower amperage draw and longer cable extensions.
- Double Inside Mechanical Seal With SiC faces provides the longest operational life.
- Oil Lifter provides lubrication of the seal faces.

Optional Accessories

- Float Switch for automatic operation TS-302 for 110V, TS-303 for 220V.
- 3-inch NPT Coupling available



Certified by Intertek Testing Services to UL and CSA standards for submersible construction pumps.

Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
				Diameter	Height	
LB-480	2	28	32	7 3/8	11 3/16	2
LB-480A	2	30	32	8 3/4	11 3/16	4 1/2
LB(T)-800	2	30	50	7 1/2	13 7/16	2

Electric Submersible Pumps

LB GENERAL DEWATERING PUMPS

Model LB-480A Automatic Submersible Pump performs like the non-automatic version in every aspect of construction site usage requiring a tough and durable pump.


LB-480A FEATURES

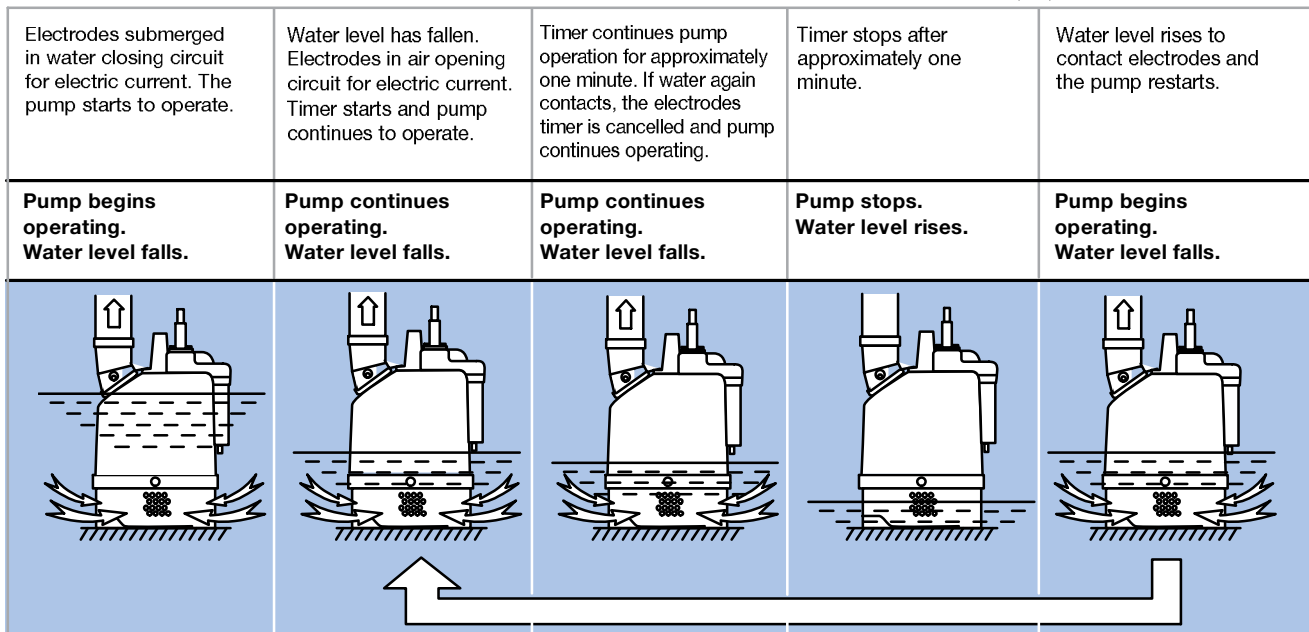
- No control panel or float switches required.
- Performs like the non-automatic pump with no special float installation required.
- Requires very small space to operate - only 8 3/4" diameter.
- Urethane, Semi Vortex Impeller and Wear Plates for maximum durability with maintaining pump performance.
- Double Inside Mechanical Seal With SiC faces provides for maximum life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal Protector designs mechanical seal from abrasive particles.
- Environmentally friendly, reducing electrical costs and operational noise.



Technical Features of EL-1 Relay Unit

- Sensitive electrodes detect water to start pump operation even when foreign materials are present.
- Internal timer eliminates frequent on/off operation in rough water to extend motor life.
- Relay sensor completely molded in resin and covered by rubber case for protection against rough handling.
- Jobsite tested for more than 30,000 on-off cycles without failure or damage.

 Certified by Intertek Testing Services to UL and CSA standards for submersible construction pumps.



LB(T)-1500 DEWATERING PUMP

LB(T)-1500 Features

Circle Thermal Motor Protector:

Protects against, overheating over amperage & run-dry.

Anti-Wicking Block:

Prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.

Oil Lifter:

Lubricates the seal faces down to 1/3 of normal oil level and extends seal life by ten times using no additional power.

Dual Inside Mechanical Seal SIC x SIC:

Double inside mechanical seals with silicon carbide faces, (both top and bottom) running in an oil filled chamber provides for the most durable seal design available.

High Chrome Iron Semi-Open Impeller:

Resists wear from abrasive particles.

Synthetic Rubber Pump Casting:

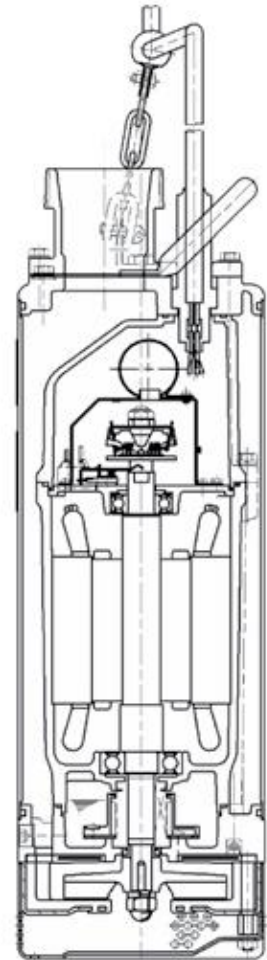
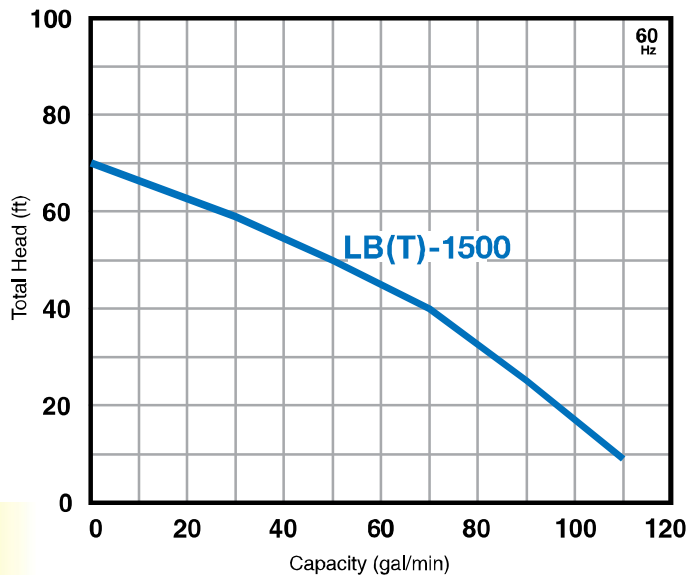
For wear resistance and easy maintenance.

V-Ring System:

Protects the shaft seals.



Fits in **8 inch pipe!**



Model	Discharge Bore (inch)	Motor Output (HP)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
					Diameter	Height	
LB(T)-1500	2 / 3	2.0	85	50	7 3/8	23 5/8	3 5/32
Max Capacity	Max Head		Amp Rate Current		Max Cable		Solids Diameter (in.)
111 GPM	68 ft		26.2-115v, 12.7-230 v		70-ft 155v, 83ft 230v		1/4

*Also available in 220V and 440V in Three Phase.

Electric Submersible Pumps

NK HEAVY DUTY, HIGH HEAD PUMP

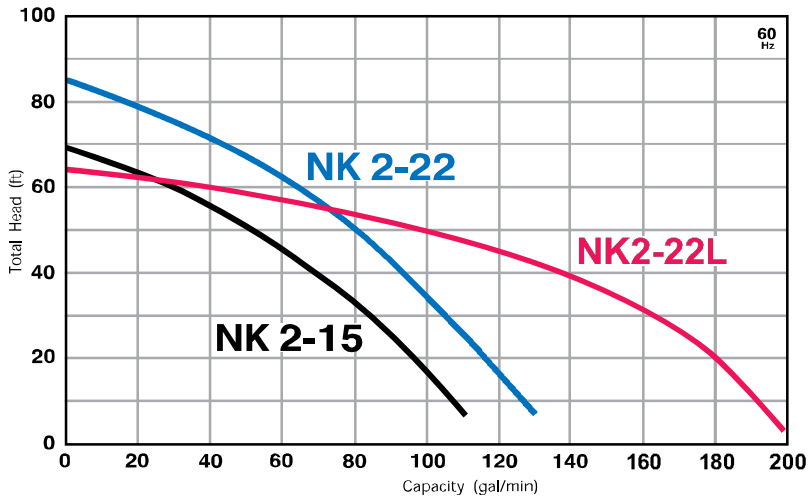
Heavy duty, high head pumps capable of handling abrasive materials with minimal wear.

NK2-15/2-22/2-22L Features

- Terminal board for voltage reconnect allows for change from 110V to 220V (NK2-15 only).
- **NK2-15/2-22:** Semi Vortex Impeller and Synthetic Rubber Wear Plates for maximum durability and maintaining pump performance.
NK2-22L: Semi-Open Impeller.
- Double Inside Mechanical Seal With SiC faces provides the longest operational life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal design protects mechanical seal from abrasive particles.

Optional Accessories

- TS-303 Float Switch for automatic operation (220V only).
- Sand kit to suspend solids and prevent clogging.
- 2-inch NPT coupling available.



Certified by Intertek Testing Services to UL and CSA standards for submersible construction pumps.

Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
				Diameter	Height	
NK2-15 & NK2-22(L)	3	81	32	9 7/16	24 1/2	3 1/4

HS TRASH PUMP

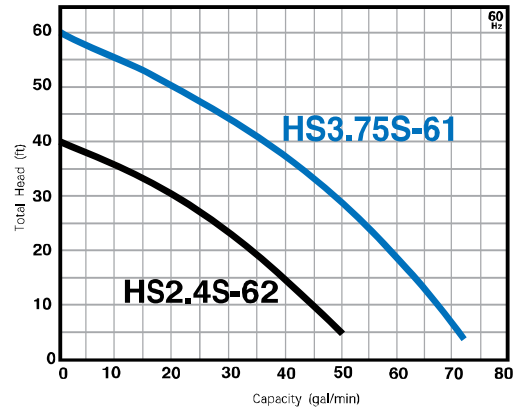
Durable trash pumps in two sizes—a 1HP 3-inch discharge and a 1/2HP 2-inch discharge. Both designed to pump sand, solids and debris with minimal wear and clogging.

HS Features

- Built-in shaft mounted agitator suspends solids.
- Urethane Semi Vortex Impeller for maximum durability and pump performance.
- Double Inside Mechanical Seal With SiC faces provides longest operational life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal design protects mechanical seal from abrasive particles.

Optional Accessories

- Vertical Discharge Coupling.
- 2-inch NPT coupling available for HS3.75S-61.



Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Motor Output (hp)	Dimensions (inch)		Continuous Running Water Level (inch)
					Diameter	Height	
HS2.4S-62	2	30	20	1/2	10	13	3 1/2
HS3.75S-61	3	47	32	1	12 1/2	15 1/4	3 1/2

HSZ AUTOMATIC TRASH PUMP

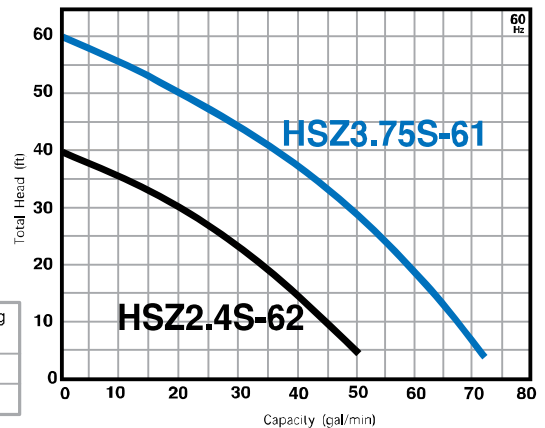
Automatic trash pumps in two sizes, designed to pump sand, solids and debris with minimal wear and clogging.

HSZ Features

- Built-in shaft mounted agitator suspends solids.
- Urethane Semi Vortex Impeller for maximum durability and pump performance.
- Double Inside Mechanical Seal With SiC faces provides the longest operational life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal design protects mechanical seal from abrasive particles.

Optional Accessories

- Vertical Discharge Coupling.
- 2-inch NPT coupling available for HSZ3.75S-61.

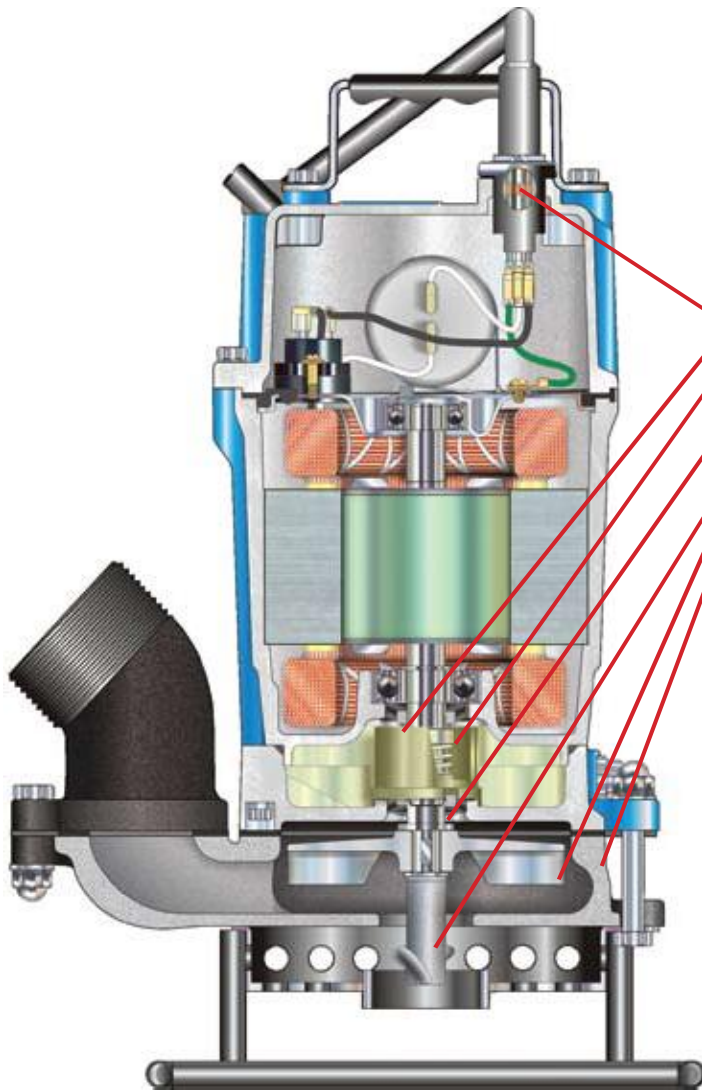


Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Motor Output (hp)	Dimensions (inch)		Continuous Running Water Level (inch)
					Diameter	Height	
HSZ2.4S-62	2	30	20	1/2	10	13	3 1/2
HSZ3.75S-61	3	47	32	1	12 1/2	15 1/4	3 1/2

Electric Submersible Pumps

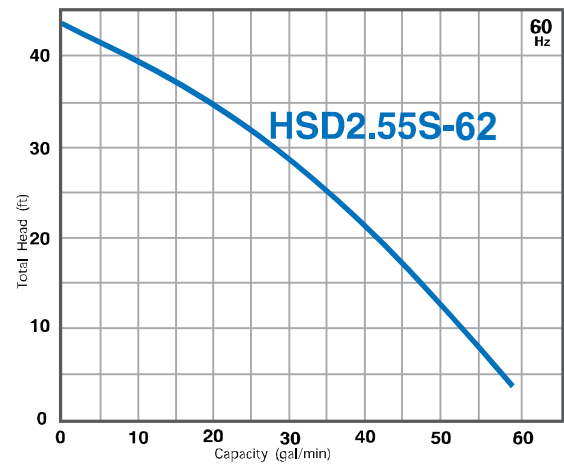
HSD SERIES SAND PUMP

Pump sand, solids and debris with minimal wear and clogging.



HSD Series Features

- Complete special 2 years warranty.
- Anti-wicking block prevents water incursion.
- Oil Lifter extends seal life by ten times.
- Double Inside Mechanical Seal with silicon carbide faces provides the longest operational life of any seal available.
- V-Ring Seal design protects mechanical seal from abrasive particles.
- Built-in larger shaft mounted agitator suspends solids.
- High Chromium Iron impeller.
- Ductile Iron Casing.
- 3/4 HP motor; larger than HS2.4S-62.
- Easy pump end disassembly by removing only 3 nuts.



Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
				Diameter	Height	
HSD2.55S-62	2	36	16	6 3/8	15 3/8	4 1/8

LSR GROUND DRAINAGE PUMP

Pump holds suction for drainage to 0.2 inch water level.

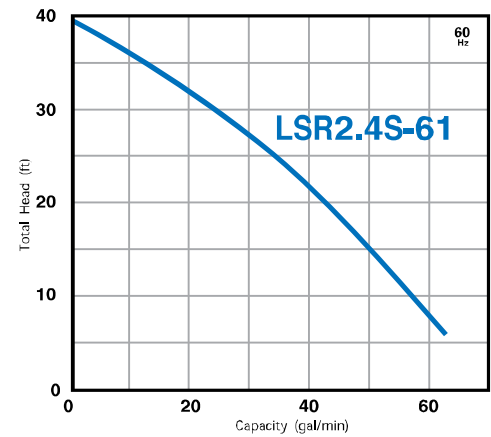


LSR2.4S-61 Features

- Urethane, Semi Vortex Impeller and Wear Plates for maximum durability and maintaining pump performance.
- Double Inside Mechanical Seal With SiC faces provides the longest operational life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal design protects mechanical seal from abrasive particles.

Optional Accessory

- TS-301 Float Switch for automatic operation. (Use of float switch will not permit low level pumping).



Certified by Intertek Testing Services to UL and CSA standards for submersible construction pumps.

Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
				Diameter	Height	
LSR2.4S-61	2	29	32	8 1/4	11 15/16	0.2

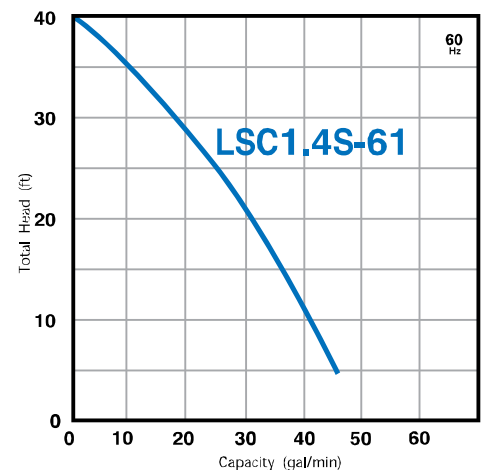
LSC GROUND DRAINAGE PUMP

Original residue dewatering pump; able to pump down to the floor. Even the smallest puddle can be pumped dry. Complete drainage of flat surfaces where a sump is not available.



LSC1.4S-61 Features

- Prime pump through discharge outlet for start up at any water level.
- Internal check valve holds prime and prohibits back flow through pump when stopped.
- Urethane, Semi Vortex Impeller and Wear Plates for maximum durability and maintaining pump performance.
- Double Inside Mechanical Seal With SiC faces provides the longest operational life.
- Oil Lifter provides lubrication of the seal faces. (Patent Pending)
- V-Ring Seal design protects mechanical seal from abrasive particles.



Certified by Intertek Testing Services to UL and CSA standards for submersible construction pumps.

Model	Discharge Bore (inch)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
				Diameter	Height	
LSC1.4S-61	3/4	34	32	7 11/16	12 7/16	0.04

Electric Submersible Pumps

UTILITY PUMP

F-13 UTILITY PUMP

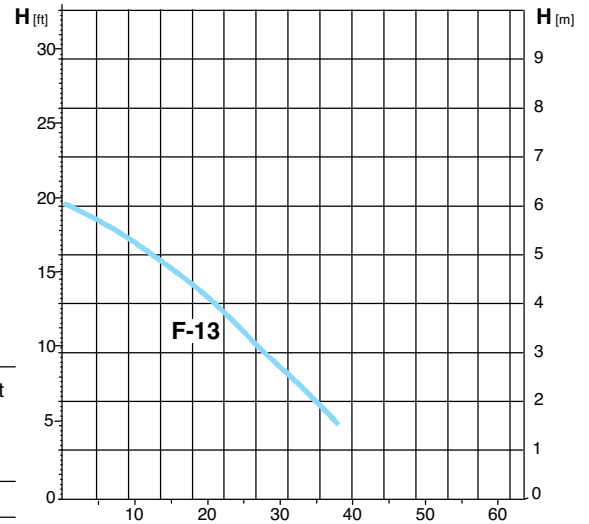


Oil free economical submersible pumps for clean surface water application. With built-in check-valve for houses, yards and gardens. Available ready to plug-in, with built-in level control, 1 1/4" or 3/4" solids passage capability.

F-13 Features

- Completely oil free air filled motor protected by 3 oil seals.
- Built-in thermal motor protector.
- Incorporates a check valve built into the discharge.
- Pump can be operated either manual or automatic.
- 1-1/4" NPT discharge with garden hose adaptor (3/4").
- Easy grip handle design.
- 1 year warranty.

Technical Data	Discharge connection Internal-thread	Nominal HP	RPM	Rated current at 115V A	Cable ft	Weight lb
F-13	3/4"	1/4"	3450	4.2	10	6.6



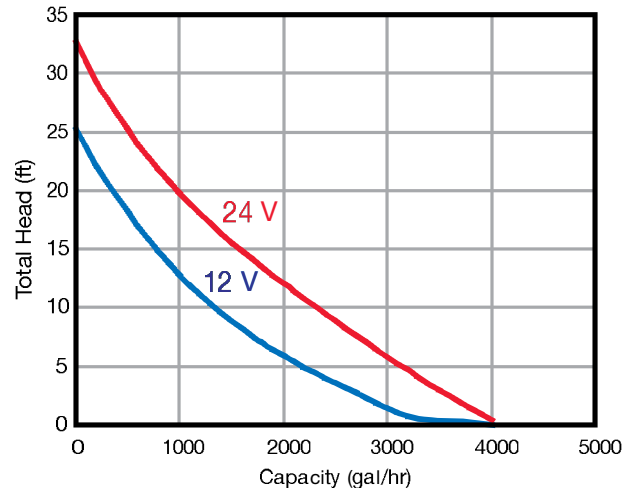
L4000 SERIES DC PUMP



Designed to meet and exceed the tough demands of commercial and recreational duty.

L4000 Features

- 1 1/2" and 2" Discharge Ports
- Liquid Cooled Motor
- Universal Mounting Base
- Double-Ball Bearing 12 Pole Motor
- Mechanical Shaft Seal
- Salt Water Tough
- 1 year warranty



Technical Data	Body	Discharge Parts & Size (in.)	Impeller	Shaft Seal	Wire	Voltage (V)	Cable (ft)	Weight (lbs.)
L4000	High Impact ABS Thermo-Plastic	Polypropylene 1 1/2" & 2"	Glass/Nylon Composite	Mechanical (Carbon/Ceramic)	14 Gauge Copper Stand Tin Coated	12 & 24	6	5.40

LH/LHW THREE PHASE SLIMLINE PUMP

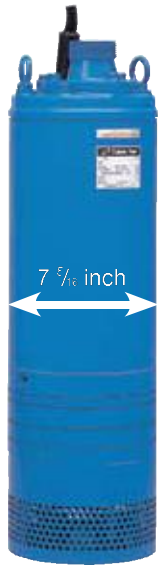
Fits in an 8 inch pipe!

Tsurumi introduces an ultra-slim pump with very high head that fits inside an 8 inch pipe. (10 inch pipe for LH25.5W-60)

Ideal for deep-well pre-dewatering.

LH/LHW Slimline Features

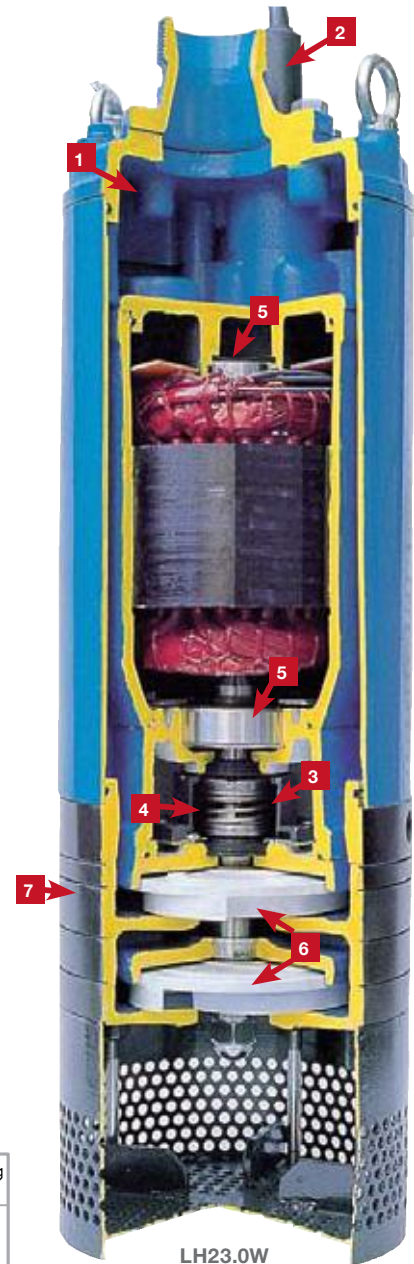
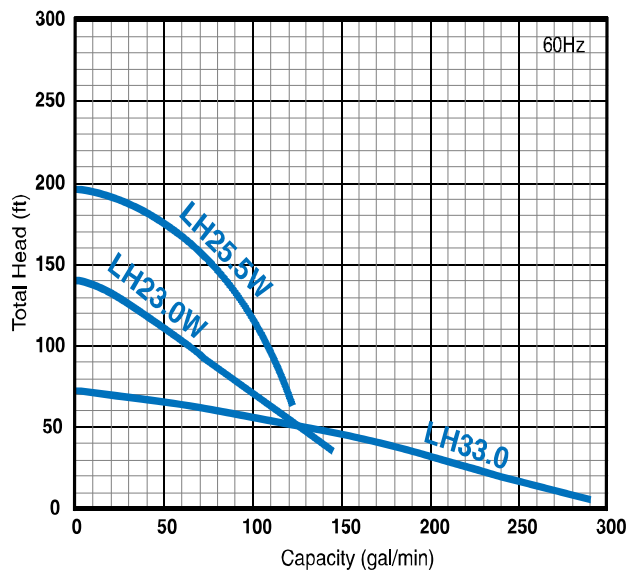
- 1** Circle Thermal Motor Protector: Protects against, overheating over amperage & run-dry.
- 2** Anti-Wicking Block: Prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.
- 3** Oil Lifter: Lubrication of the seal faces down to 1/3 of normal oil level and extends seal life by ten times—uses no additional power.
- 4** Double Inside Mechanical Seal with Silicon Carbide Faces: Provides the longest operational life of any seal available.
- 5** Ball Bearings: Permanently Lubricated, Double Shielded, Single Row, Deep Groove, High Temperature C3 Ball Bearings, Rated B-10=60,000 Hrs.
- 6** High Chrome Iron Semi-Open Impeller: Resists wear from abrasive particles.
- 7** Ductile Iron Casing: Resists wear and reduction of performance due to abrasive particles.



LH23.0W-60



LH33.0-60



LH23.0W

Model	Discharge Bore (inch)	Motor Output(HP)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
					Diameter	Height	
LH23.0W-60	2	4	101		7 5/16	24 13/16	7 7/8
LH33.0-60	3	4	93	50	7 5/16	25 3/8	5 7/8
LH25.5W-60	2	7.5	176		9 5/8	29 1/2	6 3/4

Electric Submersible Pumps - Three Phase

KTZ THREE-PHASE DEWATERING PUMPS

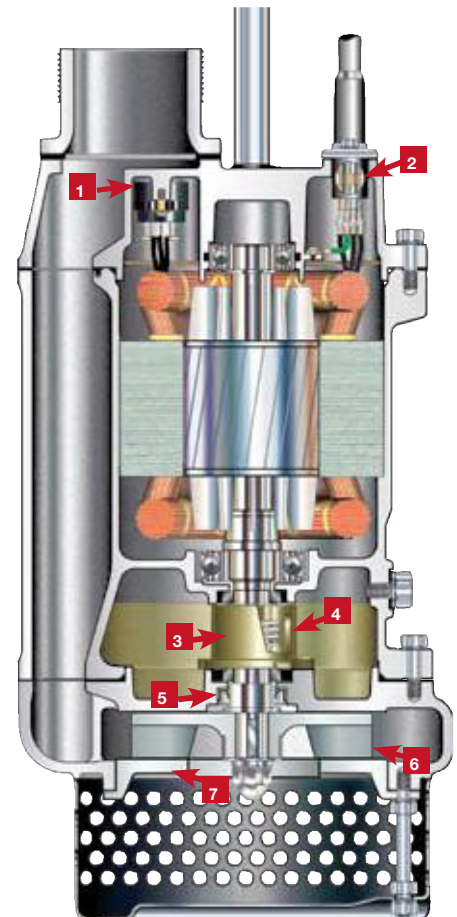
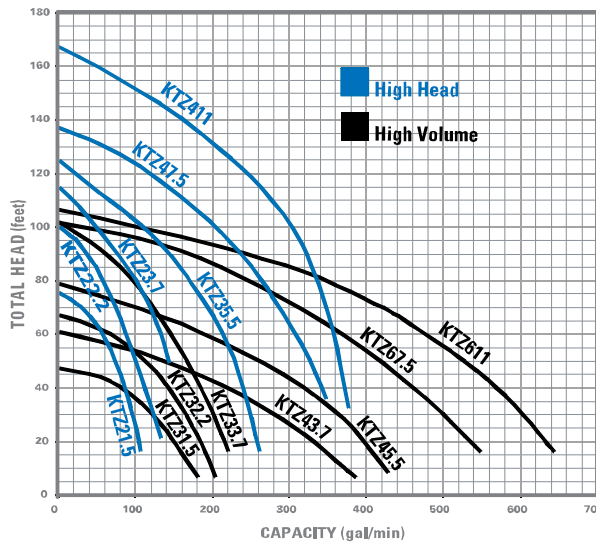
Designed to withstand the most demanding conditions found in the construction, aggregate and mining markets.

Easily converts between high head and high volume performance with a simple change of impeller and wear plate. Wide range of sizes for any job.



KTZ Series Features

- 1** Circle Thermal Motor Protector: Protects against, overheating over amperage & run-dry.
- 2** Anti-Wicking Block: Prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.
- 3** Oil Lifter: Lubrication of the seal faces down to 1/3 of normal oil level and extends seal life by ten times—uses no additional power.
- 4** Double Inside Mechanical Seal with Silicon Carbide Faces: Provides the longest operational life of any seal available.
- 5** Lip Seal Protector: Protects mechanical seal from abrasive particles.
- 6** High Chrome Iron Semi-Open Impeller: Resists wear by abrasive particles.
- 7** Field Adjustable/Replaceable, Ductile Iron Wear Plate: Resists wear by abrasive particles, and is easily adjusted to maintain pump performance.



Certified by Intertek Testing Services to UL and CSA standards for submersible construction pumps.

Model	Discharge Bore (inch)	Motor Output(HP)	Ship Weight (lb.)	Cable Length (ft.)	Dimensions (inch)		Continuous Running Water Level (inch)
					Diameter	Height	
KTZ 21.5	2	2	64	50	9 1/4	21 9/16	4 3/4
KTZ 22.2	2	3	70		9 1/4	22 3/8	4 3/4
KTZ 23.7	2	5	121		11 1/8	24 5/8	5 7/8
KTZ 31.5	3	2	64		9 1/4	21 9/16	4 3/4
KTZ 32.2	3	3	70		9 1/4	22 3/8	4 3/4
KTZ 33.7	3	5	121		11 1/8	24 5/8	5 7/8
KTZ 35.5	3	7.5	145		12 1/16	25 11/16	5 7/8
KTZ 43.7	4	5	121		11 1/8	24 5/8	5 7/8
KTZ 45.5	4	7.5	145		12 1/16	25 11/16	5 7/8
KTZ 47.5	4	10	205		13	26	7 1/2
KTZ 411	4	15	286		14 11/16	28 11/16	7 1/2
KTZ 67.5	4/6	10	205		13	26	7 1/2
KTZ 611	4/6	15	286		14 11/16	28 11/16	7 1/2

SINGLE PHASE: ELECTRIC SUBMERSIBLE SPECIFICATIONS



	LB480-62 Dewatering	LB480A-62 Automatic Operation	LB-800 Slimline Pump	LB-1500 Slimline Pump	
PUMP FLUID	Max. Capacity (GPM)	62.4	62.4	73	111
	Max. Head (ft)	39.5	39.5	59	69
	Solid Diameter (inches)	1/4	1/4	1/4	5/8
	Impeller Type	Semi-Votex	Semi-Votex	Semi-Votex	Semi-Open
	Impeller Material	Urethane Rubber	Urethane Rubber	Urethane Rubber	High Chrome
	Casing Material	Etylene Propylene Rubber	Etylene Propylene Rubber	Natural Rubber	Natural Rubber
	Wear Plate Material	Urethane Rubber	Urethane Rubber	Natural Rubber	Natural Rubber
	Shaft Seal - Type/Material	Double inside mechanical seal with Silicon Carbide on Silicon Carbide faces on lower seals and Carbonon Ceramic Faces on upper seals.			
	Seal Lubricant - Type	SAE 10W/20W or Turbine Oil (ISO VG32)			
	Seal Lubricant - Amount (ounces)	6.1	6.1	5.2	12.5
Seal Protection	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	
MOTOR	Discharge Connection	2" NPT Coupling	2" NPT Coupling	2" NPT Coupling	3" NPT Coupling
	Motor Output (hp)	2/3 hp	2/3 hp	1 hp	2 hp
	Phase	Single	Single	Single	Single
	Voltage (V)	110V	110V	110V or 220V	110V or 220V
	Amperage - Rated Current	6.1	6.1	10.1 - 110V 5.3 - 220V	27.1 - 110V 13.7 - 220V
	Amperage - Starting Current	12.5	12.5	40.4 - 110V 21.2 - 220V	108 - 110V 55 - 220V
	Type	Continuous duty, Air filled, 3600RPM, 60Hz			
	Bearings	Double shielded, Permanently lubricated, High-temp C3 with B-10 life of 60,000 hours			
	Insulation Class	E	E	E	E
	Motor Protection (Built-In)	Miniature Protector	Miniature Protector	Circle Thermal Protector	Circle Thermal Protector
	Plug Configuration (Nema)	5-15P	5-15P	5-15P(110V) No Plug (220V)	No Plug
	Cable - # of Conductors x AWG	3C x 16 AWG	3C x 16 AWG	3C x 14 AWG	3C x 12 AWG(110V) 3C x 14 AWG(220V)
	Std. Cable Length (ft)	32	32	50	50
	Max. Cable Length (ft)	62	62	55(110V), 190(220V)	62 (110V) 185 (220V)
	Min. Generator Capacity (watts)	1300	1300	3300	6000
Optional Float Switch	TS-301	n/a	TS-302(110V) TS-303(220V)	TS-303 (220V Operation Only)	
DIMENSION	Max. Diameter (inches)	7 3/8	8 3/4	7 1/2	7 3/8
	Max. Height (inches)	11 3/16	11 3/16	13 7/16	23 5/8
	Continuous Running Water Level (in.)	2	4 1/2	2	3 5/32
	Pump Weight (lbs.)	28	30	35	85
	Shipping Weight (lbs.)	28	30	35	85

SINGLE PHASE: ELECTRIC SUBMERSIBLE SPECIFICATIONS



	HS2.4S-62 Sand/Solids Trash Pump	HS3.75S-61 Sand/Solids Trash Pump	HSZ2.4S-62 Automatic Trash Pump	HSZ3.752-61 Automatic Trash Pump	HSD2.55S-61 Durable Sand Pump	
FLUID	Max. Capacity (GPM)	53	74	53	74	53
	Max. Head (ft)	39	59	39	59	39
	Solid Diameter (inches)	3/8	1/4	3/8	1/4	3/8
PUMP	Impeller Type	Semi-Vortex	Semi-Vortex	Semi-Vortex	Semi-Vortex	Semi-Vortex
	Impeller Material	Urethane Rubber	Urethane Rubber	Urethane Rubber	Urethane Rubber	High Chromium
	Casing Material	Grey Iron Casting	Grey Iron Casting	Grey Iron Casting	Grey Iron Casting	Ductile Iron Casting
	Wear Plate Material	Integral part of casing	Integral part of casing	Integral part of casing	Integral part of casing	Integral part of casing
Shaft Seal - Type/Material	Double inside mechanical seal with Silicon Carbide on Silicon Carbide faces on lower seals and Carbon on Ceramic Faces on upper seals.					
Seal Lubricant - Type	SAE 10W/20W or Turbine Oil (ISO VG32)					
Seal Lubricant - Amount (ounces)	5.4	5.4	5.4	5.4	5.4	
Seal Protection	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	
Discharge Connection	2" NPT Coupling	3" NPT Coupling	2" NPT Coupling	3" NPT Coupling	2" NPT Coupling	
MOTOR	Motor Output (hp)	1/2 hp	1 hp	1/2 hp	1 hp	3/4 hp
	Phase	Single	Single	Single	Single	Single
	Voltage (V)	110V or 220V	110V or 220V	110V or 220V	110V or 220V	110V
	Amperage - Rated Current	5.4	10 / 4.8	5.4	10 / 4.8	7.6
	Amperage - Starting Current	12.5	37 / 19	12.5	37 / 19	19.5
	Type	Continuous duty, Air filled, 3600RPM, 60Hz				
	Bearings	Double shielded, Permanently lubricated, High-temp C3 with B-10 life of 60,000 hours				
	Insulation Class	B	B	B	B	B
	Motor Protection (Built-In)	Miniature Protector	Miniature Protector	Miniature Protector	Miniature Protector	Miniature Protector
	Plug Configuration (Nema)	5-15P	5-15P	5-15P	5-15P	5-15P
Cable - # of Conductors x AWG	3C x 16 AWG	3C x 14 AWG	3C x 16 AWG	3C x 14 AWG	3C x 16 AWG	
Std. Cable Length (ft)	20	32	20	32	20	
Max. Cable Length (ft)	70	70	70	70	70	
Min. Generator Capacity (watts)	1300	1300	1300	1300	1300	
Optional Float Switch	TS-301	TS-302	N/A	N/A	TS-301	
DIMENSION	Max. Diameter (inches)	10 1/16	12 7/16	10 1/16	12 7/16	10 1/16
	Max. Height (inches)	2 15/16	15 1/4	2 15/16	15 1/4	2 15/16
	Continuous Running Water Level (in.)	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
	Pump Weight (lbs.)	30	47	30	47	36
	Shipping Weight (lbs.)	30	47	30	47	36



	LSR2.4S-61 Ground Level	LSC1.4S-61 Floor Level	NK2-15 Heavy Duty & High Head	NK2-22 Heavy Duty & High Head	NK2-22L Heavy Duty & High Flow	
PUMP FLUID	Max. Capacity (GPM)	62.4	45	111	130	198
	Max. Head (ft)	39.5	39.5	69	85	64
	Solid Diameter (inches)	1/4	1/4	1/3	1/3	2
	Impeller Type	Semi-Vortex	Semi-Vortex	Semi-Vortex	Semi-Vortex	Semi-Open
	Impeller Material	Urethane Rubber	Urethane Rubber	Ductile Iron Casting	Ductile Iron Casting	High Chrome
MOTOR	Casing Material	Ethylene Propylene Rubber	Ethylene Propylene Rubber	Ethylene Propylene Rubber	Ethylene Propylene Rubber	Cast Iron
	Wear Plate Material	Urethane Rubber	Urethane Rubber	Integral part of casting	Integral part of casting	Ductile Iron Casting
	Shaft Seal - Type/Material	Silicon Carbide on Silicon Carbide faces on upper and lower seals.				
	Seal Lubricant - Type	SAE 10W/20W or Turbine Oil (ISO VG32)				
	Seal Lubricant - Amount (ounces)	6.1	6.1	9.1	9.1	9.1
	Seal Protection	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter	V-Ring & Oil Lifter
	Discharge Connection	2" NPT Coupling	3/4" NPT Coupling	3" NPT Coupling	3" NPT Coupling	3" NPT Coupling
	Motor Output (hp)	2/3 hp	2/3 hp	2 hp	3 hp	3 hp
	Phase	Single	Single	Single	Single	Single
	Voltage (V)	110V	110V	110V or 220V	220V	220V
Amperage - Rated Current	6.1	6.1	23.0(110V), 11.5(220V)	13.0	12.5	
Amperage - Starting Current	12.5	12.5	136(110V), 68(220V)	70.0	70.0	
Type	Continuous duty, Air filled, 3600RPM, 60Hz					
Bearings	Double Sealed, Permanently Lubricated					
Insulation Class	E	E	B	B	B	
Motor Protection (Built-In)	Miniature Protector	Miniature Protector	Circle Thermal Protector	Circle Thermal Protector	Circle Thermal Protector	
Plug Configuration (Nema)	5-15P	5-15P	No Plug	No Plug	No Plug	
Cable - # of Conductors x AWG	3C x 16 AWG	3C x 16 AWG	3C x 12 AWG	3C x 14 AWG	3C x 14 AWG	
Std. Cable Length (ft)	32	32	32	32	32	
Max. Cable Length (ft)	62	62	46(110V), 185(220V)	94	94	
Min. Generator Capacity (watts)	1300	1300	6000	8000	8000	
Optional Float Switch	TS-301	N/A	TS-303 (220V Operation only)			
DIMENSION	Max. Diameter (inches)	8 1/4	7 11/16	9 7/16	9 7/16	8 3/4
	Max. Height (inches)	11 15/16	12 7/16	24 1/2	24 1/2	27 1/2
	Continuous Running Water Level (in.)	0.20	0.04	3 1/4	3 1/4	4 3/4
	Pump Weight (lbs.)	29	34	81	81	81
	Shipping Weight (lbs.)	29	34	81	81	81