TSURUMI PUMP™

BUILT FOR WORK®

Three-Phase Dewatering Pumps

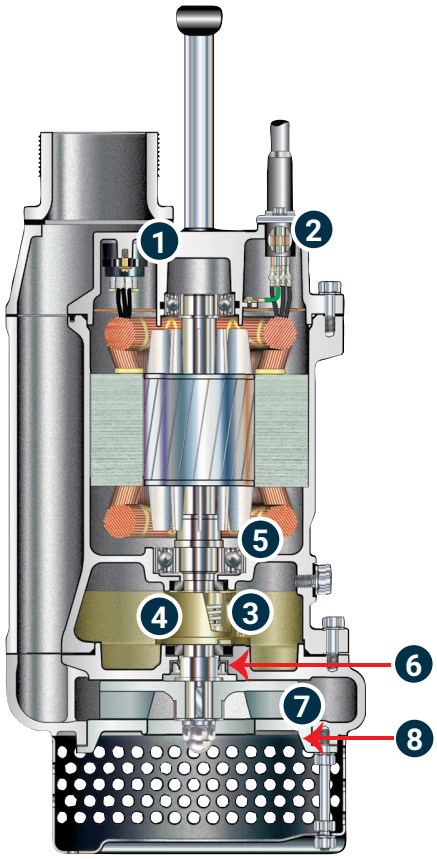
Engine Driven Pumps

Pumps and Systems for Special Pumping

For over 100 years, Tsurumi has been a trusted name in water movement. As a leader in water pump solutions, we combine engineering excellence, reliable inventory, and unmatched customer support to keep water flowing — wherever and however it's needed.

From construction sites to mining operations and industrial facilities, Tsurumi dewatering pumps are BUILT FOR WORK® — engineered to handle the toughest water challenges and keep your job moving, no matter the conditions.

SIMPLE DESIGN, EXTREME QUALITY - *Reliable Performance in Rugged Environment*



KTZ cutaway shown; actual design varies by series.

1. **MOTOR PROTECTOR** with built-in thermal protection that shuts off the motor during overheating.
2. **ANTI-WICKING BLOCK** prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.
3. **DUAL INSIDE MECHANICAL SEAL WITH SILICON CARBIDE FACES** provides longer operational life of any seal available.
4. **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.
5. **BALL BEARINGS** Permanently lubricated, double-shielded, single row deep groove, high temperature C3 ball bearing. Rated B-10=60,000 Hours
6. **LIP SEAL PROTECTOR** protects mechanical seal from abrasive particles.
7. **HIGH CHROME IRON/DUCTILE IRON IMPELLER** resists wear by abrasive particles.
8. **FIELD ADJUSTABLE/REPLACEABLE SUCTION COVER** resists wear by abrasive particles, and is easily adjusted to maintain pump performance.

THREE-PHASE DEWATERING PUMP LINEUP

AB

Axial flow propeller pump ideal for water feature, flood control, stormwater drainage, water circulation in aquaculture & sewage treatment.

Discharge: 2" - 3"
HP: 1 - 7.5

GSZ

High-volume dewatering. Closed high chrome impeller. Low RPM reduces wear.

Discharge: 6" - 10"
HP: 30 - 200

KRS

High-volume dewatering. Semi-open ductile iron & high chrome impeller. Low RPM reduces wear.

Discharge: 3" - 14"
HP: 3 - 50

KTV(E)

Portable job-site dewatering. Semi-vortex impeller. Built-in electrode for automatic operation.

Discharge: 2" & 3"
HP: 1 - 7.5

KTZ(E)

High-head & high-volume dewatering. Convertible models. Built-in electrode for automatic operation.

Discharge: 2" - 15"
HP: 2 - 30

LH

Medium to high volume at high heads. Closed high chrome impeller. Easy model conversion.

Discharge: 4" - 8"
HP: 4 - 150

LHW

Extra high-head pumping. Dual-stage closed high chrome impeller. Pressure relief ports protect seals.

Discharge: 2" - 4"
HP: 4 - 150

SFQ

Corrosive liquid dewatering. Semi-open stainless steel impeller. All wetted parts 316 SS, viton elastomer.

Discharge: 2" - 4"
HP: 1 - 15

SQ

Portable corrosive liquid dewatering. Semi-open stainless steel impeller. All wetted parts 304 SS.

Discharge: 2"
HP: 1/2 & 1

LB / LBT

High-volume dewatering. Semi-open ductile iron & high chrome impeller. Low RPM reduces wear.

Discharge: 2" & 3"
HP: 1/2 - 2

TRAILER PUMPS

Heavy-duty dewatering and bypass pump engineered for mobility, reliability, and harsh environments.

6" ANSI Flange, Diesel
Standard/Sound Attenuated/Skid

AGITATOR PUMPS

Heavy-duty slurry pumping. Abrasion-resistant. Single & three-phase options.

Discharge: 2" - 10"
HP: 1/2 - 100

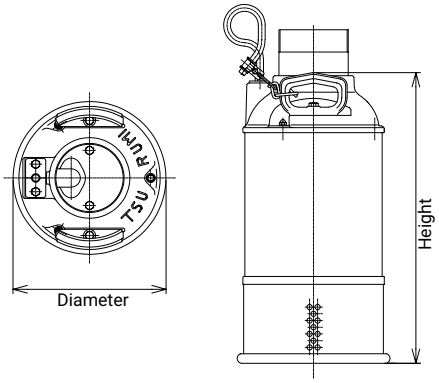
AB Propeller pump for flood, drainage & circulation

The AB Series axial-flow cast iron propeller offers a high-efficiency, high-volume pumping solution for low-head applications. This type of pump can be used in residential, commercial, and industrial wastewater systems, as well as decorative waterfalls and fountains. It can also draw raw water from lakes and rivers. The series is available in single-phase and three-phase models.

100AB2.4S

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSIONS		Max. Solids Dia. (inch)	Pump Starting Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		115V	208V	230V	460V							
100AB2.4S*	1/2	7.9	-	4.2	-	3600	4	9 13/16	18 11/16	0.315	7 1/8	40
100AB2.75	1	-	3.7	3.5	1.7	3600	4	9 13/16	18 11/16	0.315	7 1/8	42
150AB41.5	2	-	6.4	6.3	3.2	1800	6	10 11/16	24 13/16	0.118	11 3/4	97

(*) Single-Phase

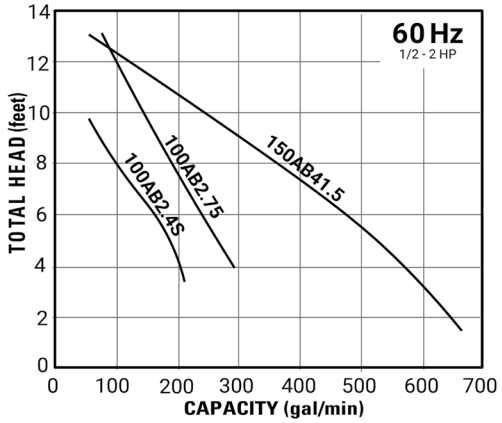


Material

Impeller:	Cast Iron
Casing:	Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Steel Plate | Cast Iron
Shaft:	403 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	PVC Sheath

Features

- High efficiency, high volume pumping at low head.
- Internal thermal motor protection
- Dual silicon carbide mechanical seals
- Ideal for water feature, flood control, stormwater drainage, water circulation in aquaculture and sewage treatment



GSZ High-volume dewatering pump

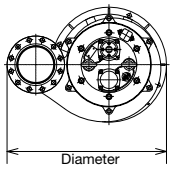
The GSZ Series is a high-volume submersible dewatering line built for abrasive environments, using reduced-speed, wear-resistant impellers and a side-discharge design for efficient solids handling. Seal Pressure Relief Ports protect mechanical seals on 4-pole, 1800 RPM models by diverting pressure away from the shaft, and the isolated oil-chamber seal arrangement prevents damage from pressure spikes. A water-jacket cooling system and air-release valve support reliable operation at low water levels and prevent air lock.

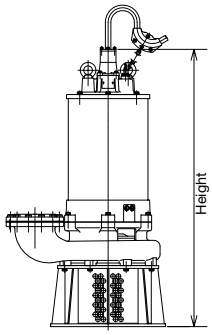

GSZ5-37-4

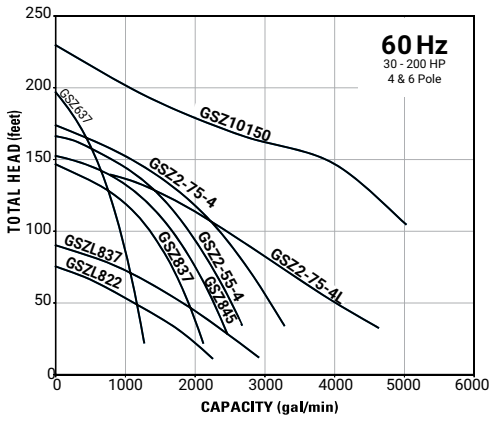

GSZ-150-4

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
GSZL822*	30	—	—	41	33	1200	8	38	53 9/16	1.97	13 3/4	1510
GSZ637*	50	—	—	63	49.5	1800	6	35 7/16	61 1/8	0.394	17 5/16	1310
GSZ837*	50	—	—	63	49.5	1800	8	36	62 5/16	0.984	18 7/8	1250
GSZL837*	50	—	—	64	51.5	1200	8	41 1/4	55 15/16	1.97	14 5/8	1750
GSZ845*	60	—	—	76	63	1800	8	36	62 5/8	0.984	18 1/8	1280
GSZ2-55-4	75	—	—	97	76	1800	10	41 5/16	75 7/8	0.984	20 1/8	2430
GSZ2-75-4	100	—	—	128	101	1800	10	41 5/16	75 7/8	0.984	20 1/8	2680
GSZ2-75-4L	100	—	—	128	101	1800	10	41 5/16	77 5/8	0.984	28 3/4	2640
GSZ10150*	200	—	—	265	-	1800	10	47 15/16	95 1/4	0.984	30 3/4	5130

(*) = Model Name Change







Material

Impeller:	High Chrome Iron or Stainless Steel
Casing:	Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron / Steel Cooling Jacket
Shaft:	420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	Chloroprene Sheath

Features

- High volume pumping
- 4 Pole, 1800 RPM motors / 6 pole, 1200 RPM motors
- Lower impeller tip speeds for longer life
- Rugged iron construction
- Anti-wicking cable entrance
- Dual silicon carbide mechanical seals
- Oil lifter
- Internal thermal motor protection
- Water jacket for motor cooling

TSURUMI PUMP™

KRS High volume, extra durable pump available in a variety of sizes

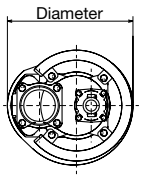
The KRS Series extends component life through slower impeller tip speeds provided by 4-pole (1800 RPM) and 6-pole (1200 RPM) motors, reducing wear in abrasive pumping conditions. Its rugged iron construction ensures long-term durability, while dual inside mechanical seals—positioned in an oil-filled chamber and supported by an additional lip seal—offer strong protection against abrasive intrusion. Engineered as a versatile, multi-purpose line, the KRS Series combines simple construction with reliable performance and high efficiency for a wide range of dewatering tasks.

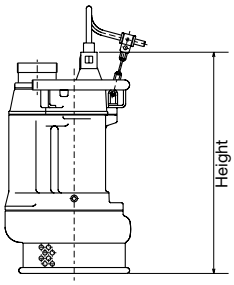

KRS2-A3


KRS822

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
KRS32.2*	3	9.4	8.6	4.3	3.4	1800	3	13 3/8	23 5/8	0.472	5 3/4	159
KRS33.7*	5	15.0	13.8	6.9	5.5	1800	3	13 3/4	26 15/16	0.472	6 1/8	196
KRS43.7*	5	15.0	13.8	6.9	5.5	1800	4	13 3/4	26 15/16	0.472	6 1/8	194
KRS45.5*	7.5	21.4	19.6	9.8	7.6	1800	4	13 3/4	26 9/16	0.472	6 1/8	209
KRS67.5*	10	29	26	13	10.5	1800	6	16 5/16	27 13/16	0.787	6 7/8	286
KRS611*	15	42	39	19.5	14.5	1800	6	16 5/16	29 5/8	0.787	6 7/8	330
KRS811*	15	42	39	19.5	14.5	1800	8	18 9/16	33 3/8	1.18	11 3/4	383
KRS815	20	57.9	55.7	27.9	22.2	1800	8	18 15/16	38 9/16	0.984	10 7/8	530
KRS822	30	–	–	38.5	30.8	1800	8	22 11/16	47 1/4	0.984	13 5/8	840
KRS822L	30	–	–	38.5	30.8	1800	8	22 11/16	47 1/4	0.984	13 5/8	840
KRS1022	30	–	–	39.6	31.5	1800	10	20 5/8	49 1/8	0.984	17 3/4	860
KRS1230	40	–	–	53.0	43.0	1200	12	26 3/8	55 1/4	1.97	18 7/8	1540
KRS1437	50	–	–	65.0	52.0	1200	14	26 3/8	55 1/4	1.97	18 7/8	1650

(*) Model Name Change

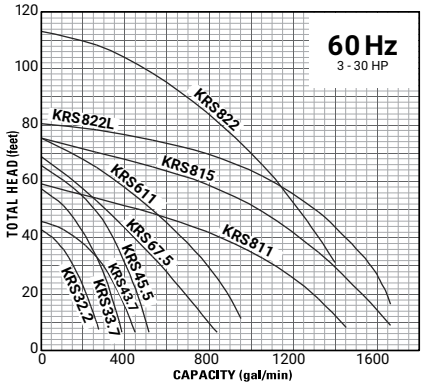




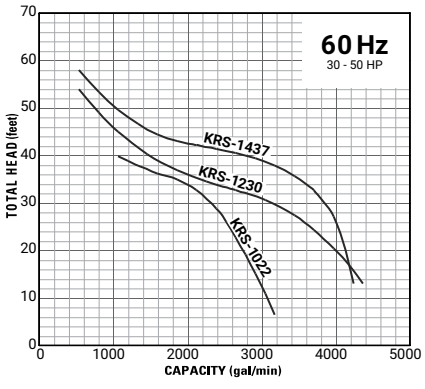
Material

Impeller:	Ductile or High Chrome
Casing:	Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron
Shaft:	420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	Chloroprene Sheath

Group Performance: 3 - 30HP



Group Performance: 30 - 50HP



Features

- High volume pumping
- 4 Pole, 1800 RPM motors
- 6 Pole, 1200 RPM motors
- Lower impeller tip speeds for longer life
- Rugged iron construction
- Anti-wicking cable entrance
- Dual silicon carbide mechanical seals
- Oil lifter
- Internal thermal motor protection

KTV(E) Lightweight, compact, durable & self-contained automatic operation

The KTV(E) Series features a lightweight die-cast aluminum body with an elastomer pump end for easy handling. Its semi-vortex impeller maximizes particle passage while extending component life and eliminating impeller adjustment. The KTVE model includes an integrated electrode probe for automatic pump operation, preventing unnecessary dry-run without the need for external control panels or float assemblies. It installs like a standard pump yet provides fully automatic operation when connected to a manual control panel.

KTV2-55

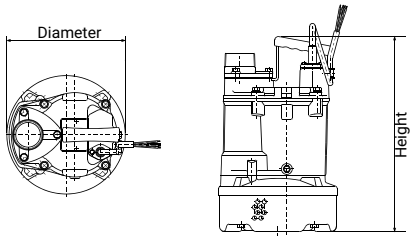
KTVE33.7

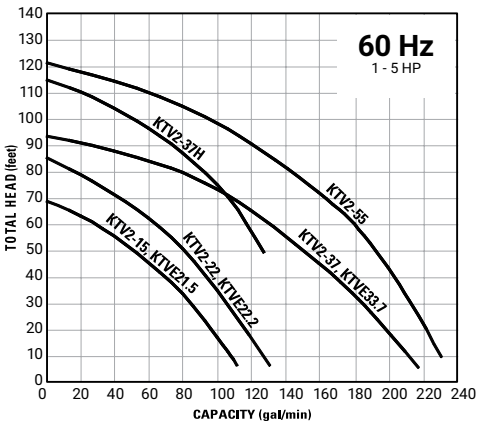
Built-in Automatic Operation KTVE:
Allows a three phase pump to operate automatically in a smaller casing or sump where traditional float switches don't fit.

: Slimline Pumps - Pump diameter less than 15"

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSIONS		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
KTV2-15	2	6.0	5.4	2.7	2.1	3600	2	9 7/16	15 9/16	0.334	3 1/8	46
KTV2-22	3	8.2	7.4	3.7	2.9	3600	2	9 7/16	16 3/8	0.334	3 1/8	51
KTV2-37H	5	14.2	12.6	6.3	5.0	3600	2	11 1/4	20 1/16	0.334	3 1/2	79
KTV2-37	5	14.2	12.6	6.3	5.0	3600	3	11 1/4	20 1/16	0.334	3 1/2	79
KTV2-55	7.5	21.5	19	9.5	7.5	3600	3	11 13/16	21 7/16	0.334	3 1/2	104

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSIONS		Max. Solids Dia. (inch)	Pump Starting Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
KTVE21.5	2	6.0	5.4	2.7	2.1	3600	2	9 7/16	16 3/4	0.334	10 1/2	48
KTVE22.2	3	8.2	7.4	3.7	2.9	3600	2	9 7/16	16 3/4	0.334	10 1/2	55
KTVE33.7	5	14.2	12.6	6.3	5.0	3600	3	11 1/4	23 1/16	0.334	12 7/8	88





Material

Impeller:	Ductile Cast Iron High Chrome Cast Iron
Casing:	Butadiene Rubber/Natural Rubber
Mechanical Seal:	Silicon Carbide
Motor Frame:	Aluminum Alloy
Shaft:	403 / 420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	PVC Sheath, Chloroprene Sheath

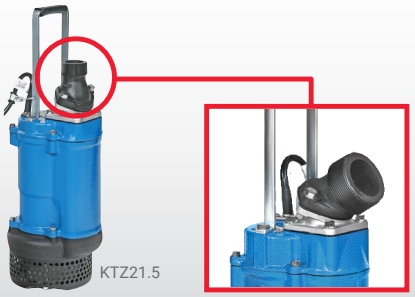
Features

- Slimline design for well dewatering
- Lightweight, compact size
- Long life and low maintenance
- Anti-wicking cable entrance
- Dual silicon carbide mechanical seals
- Oil lifter
- Internal thermal motor protection
- Automatic operation on KTVE Series

KTZ High volume, extra durable pump available in variety of sizes

The KTZ Series is built with high chrome impellers to withstand demanding, abrasive conditions found in construction, aggregate, and mining applications. Each model can be easily converted between high-head and high-volume performance with a simple impeller and wear-plate change. Dual high-pressure silicon carbide mechanical seals are isolated in an oil chamber for protection against abrasion and corrosion. Pressure Relief Ports on the 10HP and 15HP models expose the seals only to sump-level pressure, virtually eliminating premature seal wear in high-pressure conditions.

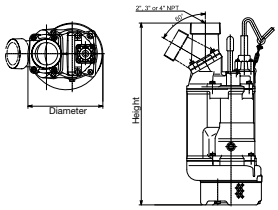

KTZ43.7


KTZ21.5

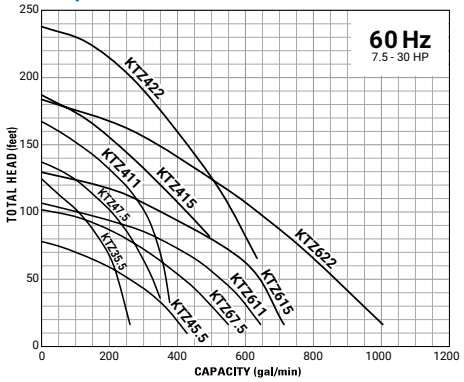
Discharge can be 60° angled

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
KTZ21.5	2	6.2	6.0	3.1	2.3	3600	2	9 1/4	25 1/2	0.334	4 3/4	77
KTZ31.5	2	6.2	6.0	3.1	2.3	3600	3	9 1/4	25 1/2	0.334	4 3/4	75
KTZ22.2	3	9.4	9.0	4.5	3.5	3600	2	9 1/4	26 5/16	0.334	4 3/4	79
KTZ32.2	3	9.4	9.0	4.5	3.5	3600	3	9 1/4	26 5/16	0.334	4 3/4	77
KTZ23.7	5	15	13.6	6.8	5.3	3600	2	11 1/8	26 1/4	0.334	5 7/8	137
KTZ33.7	5	15	13.6	6.8	5.3	3600	3	11 1/8	26 5/8	0.334	5 7/8	137
KTZ43.7	5	15	13.6	6.8	5.3	3600	4	11 1/8	27 1/16	0.334	5 7/8	137
KTZ35.5	7.5	21	19.7	10	7.9	3600	3	12 1/16	28 3/8	0.334	5 7/8	167
KTZ45.5	7.5	21	19.7	10	7.9	3600	4	12 1/16	28 3/4	0.334	5 7/8	170
KTZ47.5	10	29.8	27.3	13.3	10.4	3600	4	13	31 7/8	0.472	7 1/2	229
KTZ67.5	10	29.8	27.3	13.3	10.4	3600	4 (6)*	13 (14 7/16)*	31 7/8	0.787	7 1/2	222 (227)*
KTZ411	15	39.8	37.4	18.6	14.9	3600	4	14 3/4	32 15/16	0.472	7 1/2	293
KTZ415	20	—	—	24.4	—	3600	4 (6)*	14 3/4	33 11/16	0.472	7 1/2	315
KTZ422	30	—	—	35.2	26.0	3512	4	16 1/4	44 3/16	0.335	13	648
KTZ611	15	39.8	37.4	18.6	14.9	3600	4 (6)*	14 3/4	32 15/16 (33 11/16)*	0.787	7 1/2	293
KTZ615	20	—	—	24.4	—	3600	4 (6)*	14 3/4	36 7/16	0.787	7 1/2	322
KTZ622	30	—	—	35.2	26.0	3512	6	16 1/4	44 3/16	0.472	13	650

( )* 6" is optional ( )* 6" is optional ( )* 6" is optional



Group Performance Curves: KTZ 7.5 - 30 HP



Material

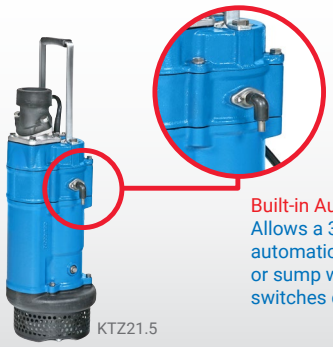
Impeller:	High Chrome Iron
Casing:	Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron
Shaft:	420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	PVC, Chloroprene Sheath

Features

- Easily converted between high pressure and high volume configurations
- High pressure rated mechanical seals
- Rugged iron construction
- Anti-wicking cable entrance
- Dual silicon carbide mechanical seals
- Oil lifter
- Internal thermal motor protection

KTZE High volume, extra durable pump available with automatic operation

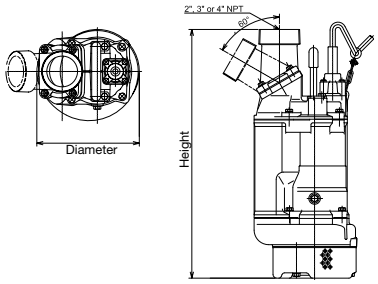
The KTZE Series offers the same features with the addition of an integrated electrode probe for automatic start/stop control, preventing dry-run without external panels or float assemblies while retaining standard pump installation and handling.



KTZ21.5

Built-in Automatic Operation KTZE: Allows a 3-phase pump to operate automatically in a smaller casing or sump where traditional float switches don't fit.

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Pump Starting Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	220V	460V	575V							
KTZE21.5	2	6.2	6.0	3.1	2.3	3600	2	9 1/4	28 11/16	0.334	13 5/8*	88
KTZE31.5	2	6.2	6.0	3.1	2.3	3600	3	9 1/4	28 11/16	0.334	13 5/8*	86
KTZE22.2	3	9.4	9.0	4.5	3.5	3600	2	9 1/4	29 7/16	0.334	14*	93
KTZE32.2	3	9.4	9.0	4.5	3.5	3600	3	9 1/4	29 7/16	0.334	14*	90
KTZE23.7	5	15	13.8	6.8	5.3	3600	2	11 1/8	29 7/16	0.334	17 1/8*	163
KTZE33.7	5	15	13.8	6.8	5.3	3600	3	11 1/8	29 13/16	0.334	17 1/8*	163
KTZE43.7	5	15	13.8	6.8	5.3	3600	4	11 1/8	30 3/16	0.334	17 1/8*	163



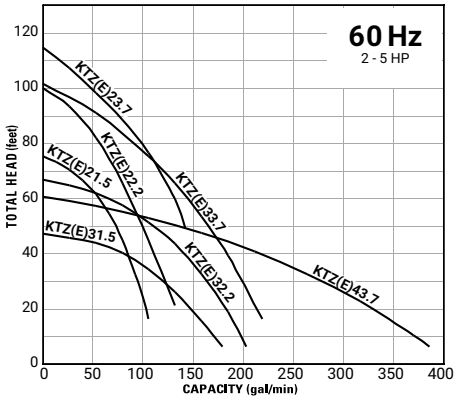
Material

Impeller:	High Chrome Iron
Casing:	Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron
Shaft:	420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	PVC, Chloroprene Sheath

Features

- Easily converted between high pressure and high volume configurations
- High pressure rated mechanical seals
- Rugged iron construction
- Anti-wicking cable entrance
- Dual silicon carbide mechanical seals
- Oil lifter
- Internal thermal motor protection
- Automatic operation

Group Performance Curves: KTZE 2 - 5 HP



LH LHW High-head pumping solutions from elevated to extreme pressures

The LH Series handles medium to high flows at elevated heads with a top-discharge, flow-through design that supports continuous operation even at low water levels. Each pump features a high-chromium semi-open impeller and adjustable wear rings to increase wear resistance in abrasive conditions. LH models are well suited for effluent transfer, construction site drainage, mine dewatering, and general commercial or industrial applications.

LH33.0

LH6110

: Slimline Pumps - Pump diameter less than 15"

MODEL	MOTOR SPECIFICATIONS					RPM	Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)						Diameter	Height			
		208V	230V	460V	575V							
LH33.0	4	12.3	12	6.0	4.7	3600	3	7 5/16	25 3/8	0.236	5 7/8	93
LH23.7	5	14.6	14.6	7.3	—	3600	2	10	31 1/8	0.334	5 7/8	200
LH35.5	7.5	20.5	19.4	10	—	3600	3	10	31 1/8	0.334	5 7/8	220
LH47.5	10	28	26.5	13.5	—	3600	4	11 13/16	35 1/2	0.334	6 1/4	325
LH411	15	41	38.5	19.5	—	3600	4	11 13/16	35 1/2	0.334	6 1/4	345
LH615	20	53	48	24	19	3600	6	13	39 15/16	0.334	7 1/4	470
LH422	30	—	—	36	28.5	3600	4	16 9/16	53 1/4	0.236	9 7/8	770
LH622	30	—	—	36	28.5	3600	6	16 9/16	56	0.472	10 5/8	790
LH430	40	—	—	51	38.5	3600	4	16 9/16	53 1/4	0.236	9 7/8	780
LH637	50	—	—	58	46	3600	6	20 7/8	57	0.236	7 1/8	1090
LH837	50	—	—	58	46	3600	8	20 7/8	58 9/16	0.787	7 1/8	1090
LH645	60	—	—	67	53	3600	6	20 7/8	57	0.236	7 1/8	1120
LH845	60	—	—	67	53	3600	8	20 7/8	58 9/16	0.787	7 1/8	1120
LH855	75	—	—	87	70	3600	8	21 5/8	67 9/16	0.787	7 7/8	1810
LH675	100	—	—	113	91	3600	6	21 5/8	66	0.315	7 7/8	1910
LH875	100	—	—	113	91	3600	8	21 5/8	67 9/16	0.787	7 7/8	1910
LH6110	150	—	—	181	145	3600	6	24 1/2	74 5/16	0.394	7 7/8	2670
LH8110	150	—	—	181	145	3600	8	24 1/2	74 5/16	0.787	7 7/8	2670
LH10110D	150	—	—	166	—	3600	10	27 5/8	72 15/16	0.787	23 5/8	3190
LH12185D	250	—	—	270	—	3600	12	30 7/16	79 1/16	0.787	27 1/2	4300

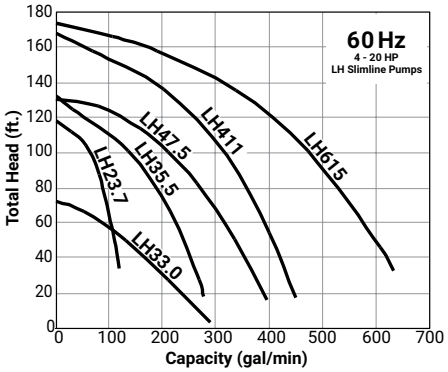
: Slimline Pumps - Pump diameter less than 15"

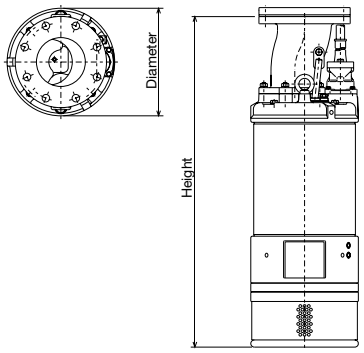
MODEL	MOTOR SPECIFICATIONS					RPM	Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)						Diameter	Height			
		208V	230V	460V	575V							
LH23.0W	4	12.3	12	6.0	4.7	3600	2	7 5/16	24 13/16	0.236	7 7/8	101
LH25.5W	7.5	22	19.2	9.6	7.7	3600	2	9 5/8	29 1/2	0.236	6 3/4	176
LH311W	15	42	37	18.5	14.5	3600	3	10 5/8	40 5/16	0.334	7 7/8	287
LH322W	30	—	—	35.5	28	3600	3	13	48 5/8	0.334	11 3/4	670
LH430W	40	—	—	48	38.5	3600	4	14 3/8	54 1/8	0.334	11 3/4	715
LH4110W	150	—	—	181	145	3600	4	24 1/2	71 7/8	0.315	15 3/4	2800

LH LHW High-head pumping solutions from elevated to extreme pressures

The LHW Series is engineered for extremely high head applications, using dual enclosed impellers to generate the higher discharge pressures required for long-distance water transfer. Built for demanding environments, LHW pumps deliver durable, efficient performance where elevated head conditions exceed the capabilities of standard high-head pumps.

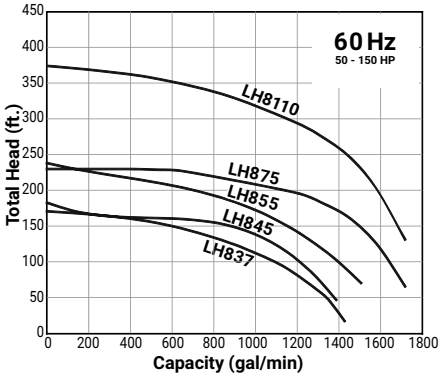
LH4110W

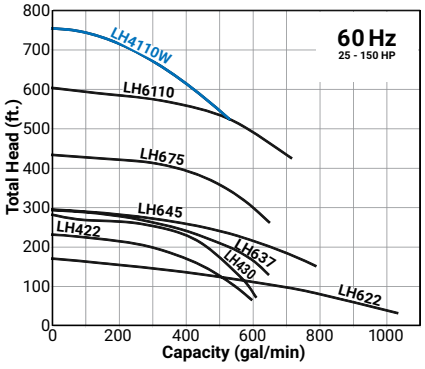


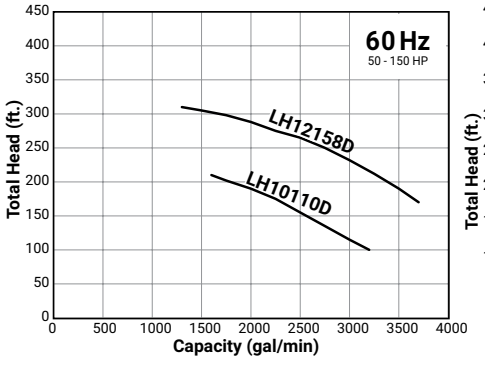


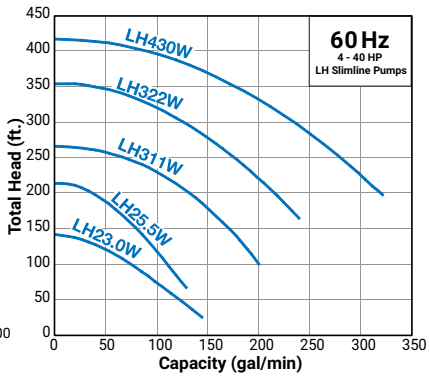
Material

Impeller:	High Chrome Iron
Casing:	Ductile Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron
Shaft:	420 Stainless Steel
Fasteners:	304 Stainless Steel
Cable:	Chloroprene Sheath









Features

- High pressure capability
- High pressure rated mechanical seals
- Seal pressure relief ports
- Rugged iron construction
- Anti-wicking cable entrance
- Dual silicon carbide mechanical seals
- Oil lifter
- Internal thermal motor protector

TSURUMI PUMP™

SFQ SQ Premium stainless-steel submersible pumps for severe environments

The SFQ and SQ Series offer durable stainless-steel submersible pumps engineered for corrosive and demanding environments. The SFQ Series features cast 316 Stainless Steel, Viton elastomer, and a semi-open impeller for continuous handling of abrasive, corrosive fluids. The SQ Series uses 304 Stainless Steel in a slim, top-discharge flow-through design that enables extended low-water operation and tight-space installations, with multiple impeller options and heat-resistant mechanical seals for long-lasting performance.

SFQ

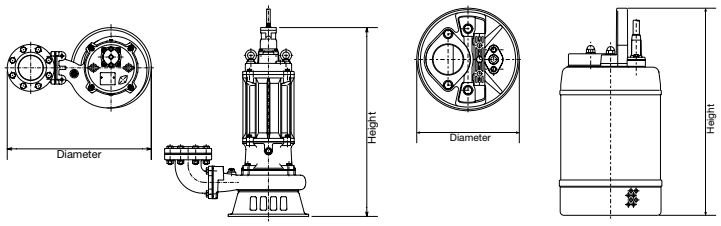
80SFQ211

SQ

50SQ2-2.4S

MODEL	MOTOR SPECIFICATIONS									Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Motor Output (HP)	Phase	Rated Current (A)						RPM		Diameter (in.)	Height (in.)			
			Single phase		Three phase										
			115V	230V	208V	230V	460V	575V							
50SFQ2.75	1	Three	—	—	3.5	3.1	1.6	1.4	3600	2	9 15/16	15 11/16	0.236	14 1/8	49
80SFQ21.5	2	Three	—	—	6.9	6.7	3.4	2.7	3600	3	12 15/16	19 1/16	0.236	16 3/8	79
80SFQ23.7	5	Three	—	—	13.8	12.8	6.4	5	3600	3	14 1/8	21 5/16	0.591	19 1/2	115
100SFQ25.5	7.5	Three	—	—	19.3	18.2	9.4	7.5	3600	4	25 3/8	33 1/4	0.787	27 1/8	278
100SFQ27.5	10	Three	—	—	26.0	24.0	12.2	9.5	3600	4	25 3/8	33 1/4	0.787	27 1/8	286
100SFQ211	15	Three	—	—	37.0	35.2	17.6	13.9	3600	4	25 3/8	35 1/8	0.906	28	320

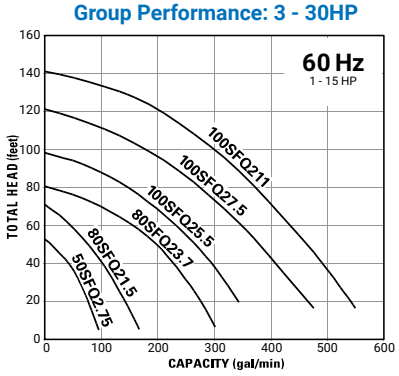
MODEL	MOTOR SPECIFICATIONS									Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Motor Output (HP)	Phase	Rated Current (A)						RPM		Diameter (in.)	Height (in.)			
			Single phase		Three phase										
			115V	230V	208V	230V	460V	575V							
50SQ2-2.4S	1/2	Single	5.1	2.9	—	—	—	—	3600	2	7 1/16	14 7/16	0.236	2 3/8	27
50SQ2-2.75	1	Three	—	—	3.4	3.5	2.0	1.5	3600	2	7 1/16	15 3/16	0.236	2 3/8	31



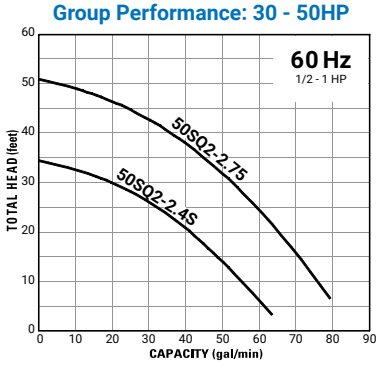
Material

	SFQ	SQ
Impeller:	316 SS	Resin
Casing:	316 SS	304 SS & Rubber
Mechanical Seal:	Silicon Carbide	Silicon Carbide
Motor Frame:	316 SS	304 SS
Shaft:	316 SS	304 SS
Fasteners:	316 SS	304 SS
Cable:	PVC Sheath Chloroprene Sheath	PVC Sheath

Group Performance: 3 - 30HP



Group Performance: 30 - 50HP



Features

SFQ

- 316 SS construction with Viton elastomer
- Dual silicon carbide seals in an oil-filled chamber
- Semi-open 316 SS impeller for abrasive/corrosive fluids
- Motor protector and seal pressure relief (7.5–15 HP)
- Optional 316 SS guide rail (7.5–15 HP)

SQ

- 304/316 SS build with corrosion-resistant materials
- Lightweight design for easier handling
- Silicon carbide seals lubricated by non-toxic mineral oil
- Motor protector for overheat/run-dry protection
- Slim profile fits into an 8" pipe

LB LBT • EPT4

Portable slimline dewatering pump
Heavy-duty trailer mount / skid trash pump

The LB/LBT Series are slim, top-discharge pumps built for continuous low-water operation with strong cooling and dry-run capability. Single-phase LB models provide lightweight durability for general dewatering, while three-phase LBT models deliver higher power for demanding industrial sites.

The EPT4 Series is a heavy-duty trash pump engineered for fast setup, reliable solids handling, and continuous operation in demanding field conditions. Built for construction, municipal, and emergency bypass applications, it delivers the mobility, durability, and performance needed for challenging dewatering and bypass scenarios.

LB / LBT


LB-480


LB(T)-800


LB(T)-1500

EPT4

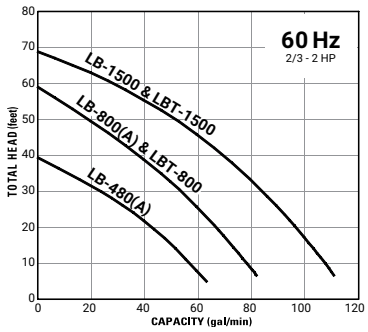

Trailer Mount

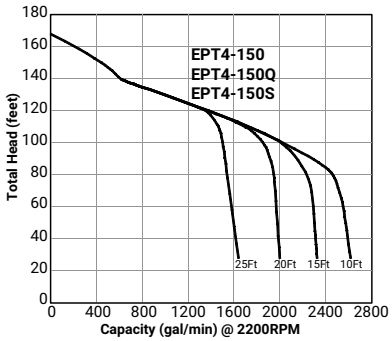

Sound Attenuated


Skid Mount

MODEL	MOTOR SPECIFICATIONS								Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Motor Output (HP)	Phase	Rated Current (A)							Diameter (in.)	Height (in.)			
			Single phase		Three phase									
			115V	230V	208V	230V	460V	575V						
LB-480	2/3	Single	5.9	3	–	–	–	–	3600	2	7 11/16	11 1/4	0.236	2	28
LB-800	1	Single	10.5	5.2	–	–	–	–	3600	2	7 9/16	13 7/16	0.236	2	38
LBT-800	1	Three	–	–	3.6	3.7	1.7	1.4	3600	2	7 9/16	13 7/16	0.236	2	38
LB-1500	2	Single	26.2	13.2	–	–	–	–	3600	3	7 3/8	23 5/16	0.236	3 1/8	88
LBT-1500	2	Three	–	–	7.2	8.0	4.0	3.0	3600	3	7 3/8	23 5/16	0.236	3 1/8	88

MODEL	PUMP SPECIFICATIONS				ENGINE SPECIFICATIONS				DIMENSIONS			
	Discharge Size (in.)	Maximum Capacity (GPM)	Maximum Head (ft.)	Engine	Output (HP)	Fuel	Fuel Tank Capacity (Gal.)	Starting Method	Length (in.)	Width (in.)	Height (in.)	Weight (lbs.)
EPT4-150 Standard	6" ANSI Flange	Consult Factory			Consult Factory	Diesel	80	Electric 12V	133	65	77	Consult Factory
EPT4-150Q Sound Attenuated							80		161 1/2	76 1/8	79 13/16	
EPT4-150S Skid Mount							120		100	42	49 1/2	





LB / LBT

Material

Model	LB-480/LB(T)-800	LB(T)-1500
Impeller:	Semi-Vortex	Semi-Open
Impeller Materials:	Urethane Rubber	High Chrome Cast Iron
Volute Casing Materials:	**LB-480** Ethylene Propylene Rubber **LB(T)-800** Butadiene Rubber & Natural Rubber **LB(T)-1500** Butadiene Rubber, Natural Rubber & Steel	
Wear Plate Materials:	LB-480 & LB(T)-800 Urethane Propylene LB(T)-1500 Butadiene Rubber & Natural Rubber	
Shaft Seal:	Double inside mechanical seal with silicon carbide	

Features

- Built with durable yet light weight materials
- Built-in motor protector
- Double inside mechanical seal with silicon carbide faces
- Oil lifter provides lubrication of the seal faces
- single-phase is available in automatic operation

LB(T)-1500 only:
- High chrome iron semi-open impeller
- Synthetic rubber pump casing
- Optional 2" discharge available

EPT4

Material

Impeller Type:	Fully Enclosed
Impeller Material:	Cast Iron
Volute Casing Material:	Cast Iron
Wear Plate / Ring Material:	Cast Iron
Pump Casing Material:	Cast Iron
Shaft Seal:	Tungsten Carbide Silicon Carbide

Features

- Venturi-assisted prime system for fast, reliable priming
- Water-cooled diesel engine
- Capable of passing 3" spherical solids
- Mechanical seal with carbide faces, Viton elastomer, and stainless hardware; dry-run tolerant
- D.O.T.-approved heavy-duty road trailer
- EPT4-150Q model offers quiet operation

AGITATOR PUMPS

Engineered for when slurry meets its match

Tsurumi's agitator pumps are ideal for quarry and gravel pit drainage. Abrasive resistant three-phase and single-phase pumps are available with either cast iron or synthetic rubber casings, and come complete with high chrome agitators, impellers, and suction covers.

MODEL	MOTOR SPECIFICATIONS								RPM	Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Motor Output (HP)	Phase	Rated Current (A)								Diameter (in.)	Height (in.)			
			Single phase		Three phase										
			115V	230V	208V	230V	460V	575V							
HS2.4S	1/2	Single	5.2	2.7	–	–	–	–	3600	2	10 1/16	12 15/16	0.276	3 1/2	30
HS3.75S	1	Single	9.7	4.9	–	–	–	–	3600	3	12 7/16	15 5/16	0.276	3 1/2	50
HS3.75SL	1	Single	9.7	–	–	4.9	–	–	3600	3	11 5/16	16 3/4	0.276	4 3/4	50
HSD2.55S	3/4	Single	7.3	3.7	–	–	–	–	3600	2	10 3/8	15 3/8	0.393	4 1/8	38
NK2-15SK	2	Single	23.0*	11.5*	–	–	–	–	3600	3	9 13/16	26	0.334	4 3/4	71
NK3-22SK	3	Single	–	13*	–	–	–	–	3600	3	9 13/16	26	0.334	4 3/4	71
KTV2-50	2.7	Three	–	–	7	6.4	3.2	2.6	3600	2	9 13/16	17 7/8	0.334	4 3/4	55
KTV2-80	4	Three	–	–	11.6	10.6	5.3	4.2	3600	3	11 5/8	21 5/8	0.334	5 1/8	84
KTD22.0	2.7	Three	–	–	8.7*	8.2	4.1	3.3	3600	2	9 1/4	23 3/16	0.394	5 1/2	86
KTD33.0	4	Three	–	–	12*	11.4	5.9	4.5	3600	3	11 11/16	25 3/4	0.394	6 1/4	145
KRD35.5[1]	7.5	Three	–	–	18*	16.5	8.5	6.5	1800	3	13 3/4	30 11/16	1.18	10 3/8	231
KRD47.5[1]	8	Three	–	–	25*	23	11.5	9.2	1800	4	16 3/8	30 7/8	1.18	10 5/8	315
KRD611[1]	12	Three	–	–	36*	33	16.5	13.2	1800	6	16 3/8	33	1.18	10 5/8	357
KRS200	30	Three	–	–	–	–	30	24	1800	8	22 11/16	44 7/8	1.18	11 1/4	840
GPN35.5	7.5	Three	–	–	21.4	20*	9.3	7.6	1800	3	19 3/16	31 5/16	1.18	11 3/8	319
GPN411	15	Three	–	–	42	39*	18.6	14.5	1800	4	24 5/16	34 5/8	1.18	12 3/8	478
GPN415	20	Three	–	–	55	52*	24	22	1800	4	24 5/16	34 5/8	1.18	12 3/8	485
GPN422	30	Three	–	–	–	–	36.5	29.5	1800	4	28 9/16	43 3/8	1.18	11 3/4	915
GPN622	30	Three	–	–	–	–	36.5	29.5	1800	6	28 9/16	43 3/8	1.18	11 3/4	915
GPN837	50	Three	–	–	–	–	64	51.5	1800	8	39 15/16	63 1/4	1.81	22	1760
GSD-837[1]	50	Three	–	–	–	–	63	49.5	1800	8	36	62 5/16	0.984	18 7/8	1290
GSD-55-4	75	Three	–	–	–	–	97	76	1800	10	41 5/16	75 7/8	0.984	20 1/8	2440
GSD-75-4	100	Three	–	–	–	–	128	101	1800	10	41 5/16	75 7/8	0.984	20 1/8	2690

([1]) Model Name Change *Dual Voltage

AGITATOR PUMPS

Engineered for when slurry meets its match

Tsurumi Agitator Pumps feature hard-iron adjustable wear parts and reduced tip speeds to withstand the most abrasive slurry applications. They are available across the HS/HSD, NK, KTV, KTD, KRS, GPN, GSZ, and GSD Series, offering a full range of solutions for demanding solids-handling environments.

Optional protective coatings are available—consult the factory for recommendations.

Tsurumi's slurry pumps feature a shaft-mounted, abrasion-resistant agitator that creates a downward current to stir up settled solids. This design ensures efficient handling of bentonite slurry, slime, mud, and water with high sand content.

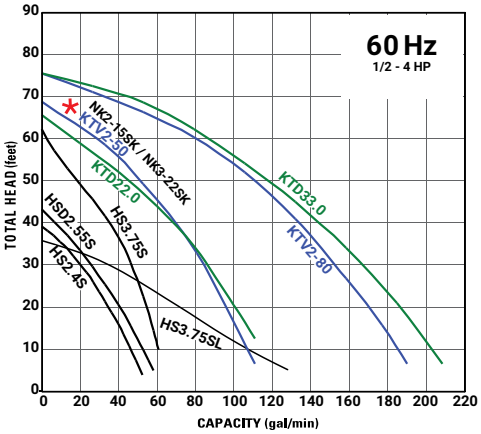
Specifications

Type of Fluid: Sludge, muddy water, sandy mud

Applications

- Grit chambers and mine processing plants where light to medium abrasive solids must remain suspended for wastewater pumping
- Heavy abrasive construction-site dewatering
- Aggregate washdown operations
- Lagoon and sludge-pond cleanout

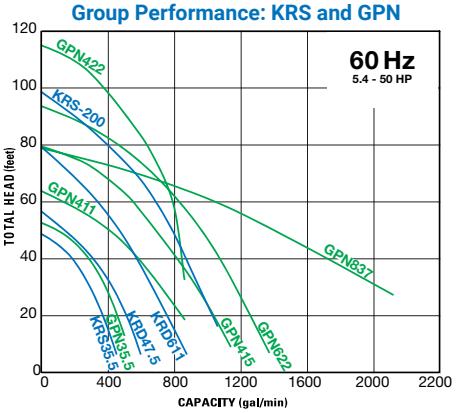
Group Performance: HS, HSD, KTD & KTV



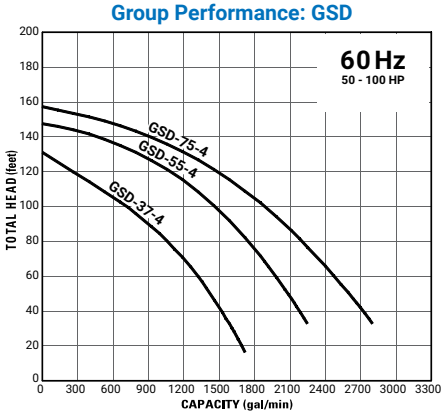
*	Standard	High Torque
Single Phase	NK2-15SK 2HP (1.5kW)	NK3-22SK 3HP (2.2kW)
Three Phase	——	KTV2-50 2.7HP (2.0kW)

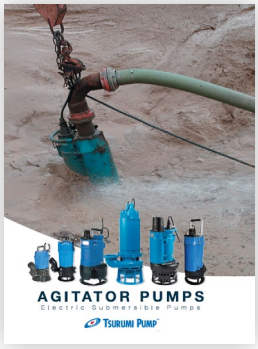
Choose High Torque models for heavier duty applications

Group Performance: KRS and GPN



Group Performance: GSD





Scan the QR code to explore brochure and detailed Tsurumi agitator pump information.

FOR SPECIAL PUMPING Seawater-resistant pumping solutions

Tsurumi's standard pumps can be upgraded with an optional seawater-resistant kit that includes a galvanic anode and a special cast-iron impeller designed for corrosive marine environments. This enhancement helps extend service life to approximately two years, depending on operating conditions.


KTZ33.7

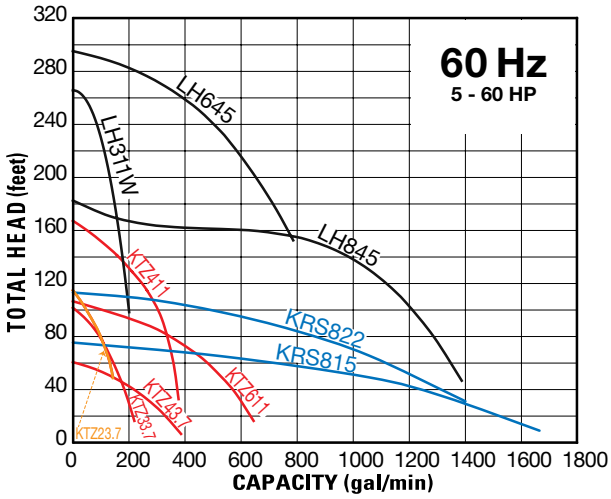

LH322W-14


KRS815

Kit Components:

- Galvanic anodes (with fittings and seal putty)
- Seawater-resistant special cast-iron impeller
- 304 Stainless-steel eye bolts*
  *Applicable only to models originally equipped with steel eye bolts.

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
KTZ23.7	5	15	13.6	6.8	5.3	3600	2	11 1/8	26 1/4	0.334	5 7/8	137
KTZ43.7	5	15	13.6	6.8	5.3	3600	4	11 1/8	27 1/16	0.334	5 7/8	137
KTZ411	15	39.8	37.4	18.6	14.9	3600	4	14 3/4	32 15/16	0.472	7 1/2	293
KTZ611	15	39.8	37.4	18.6	14.9	3600	6	14 3/4	33 11/16	0.787	7 1/2	295
LH645	60	—	—	67	53	3600	6	20 7/8	57	0.236	7 1/8	780
LH845	60	—	—	67	53	3600	8	20 7/8	58 9/16	0.787	7 1/8	1120
LH311W	15	42	37	18.5	14.5	3600	3	10 5/8	40 5/16	0.334	7 7/8	287
KRS815	20	57.9	55.7	27.9	22.2	1800	8	18 15/16	38 9/16	0.984	10 7/8	530
KRS822	30	—	—	38.5	30.8	1800	8	22 11/16	47 1/4	0.984	13 5/8	840



Galvanic Anode Protection

The galvanic anode provides electrolytic protection by pairing metals with different corrosion potentials. By attaching metals with a lower potential—such as aluminum or zinc—to the pump body (cast iron or steel), the anodes intentionally corrode first, protecting the pump from seawater damage. Proper placement of the anodes is essential for full protective effect.

Tsurumi primarily uses aluminum anodes for their superior corrosion-resistance per unit weight, while zinc is used specifically on the strainer stand where water flow causes accelerated wear. Because galvanic anodes naturally deteriorate over time, they should be replaced approximately every two years. Replacement is simple, and the pump is ready for use immediately afterward.


Aluminium Zinc

Corrosion Test (in seawater, 1 year)


with galvanic anode without galvanic anode

FOR SPECIAL PUMPING Tandem operation - LH • LHW

Tandem operation connects two identical pumps in series to achieve significantly higher head without changing the flow rate, similar to multistage pump performance. LH and LHW models use a center-flange design for easy alignment, allowing a slim, efficient tandem setup. This method is ideal when rising site elevations demand more head, offering a cost-effective alternative to replacing the pump.

The tandem connector option (purchased separately) is available for LH33.0 and LH23.0W pump models.

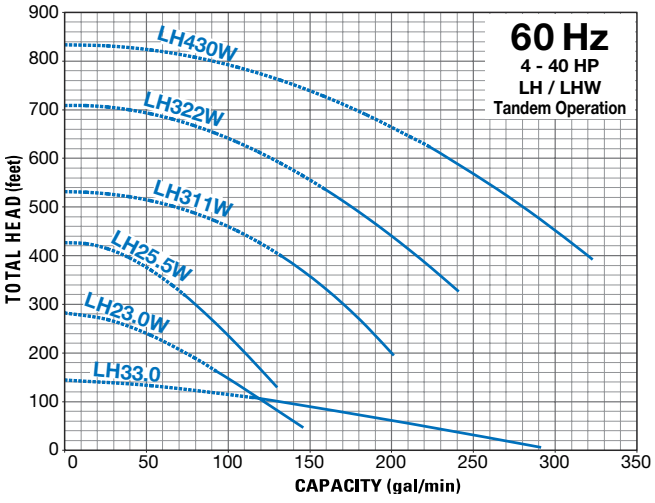
MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
LH33.0	4	12.3*	12	6.0	4.7	3600	3	7 5/16	25 3/8	0.236	5 7/8	93
LH23.0W	4	12.3*	12	6.0	4.7	3600	2	7 5/16	24 13/16	0.236	7 7/8	101
LH25.5W	7.5	22	19.2	9.6	7.7	3600	2	9 5/8	29 1/2	0.236	6 3/4	176
LH311W	15	42	37	18.5	14.5	3600	3	10 5/8	40 5/16	0.334	7 7/8	287
LH322W	30	—	—	35.5	28	3600	3	13	48 5/8	0.334	11 3/4	670
LH430W	40	—	—	48	38.5	3600	4	14 3/8	54 1/8	0.334	11 3/4	715

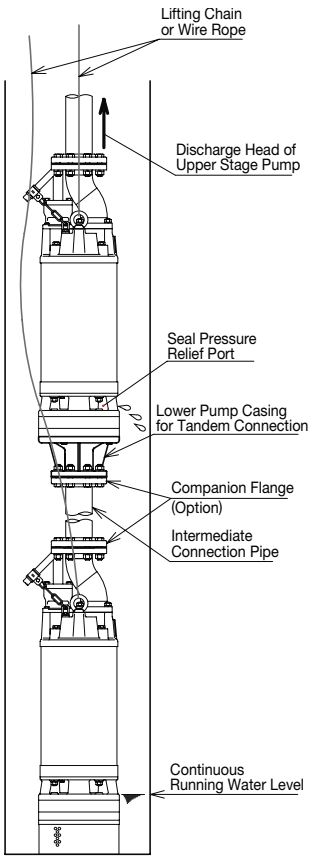
* 208 & 230V same motor

REMARKS:

The intermediate connection pipe is not required in the range indicated as a bold line on curves. If the required total head exceeds the maximum head of the pump without an intermediate connection pipe (indicated as dashed line), an intermediate connection pipe of a length corresponding to the excess amount or more is required.*

*Consult factory for design assistance





FOR SPECIAL PUMPING LH/W Stainless steel dewatering pumps

The LH-14 / LHW-14 Series are submersible pumps engineered for aggressive and corrosive liquids, featuring all wetted parts made from 316 stainless steel for superior durability in construction, aggregate, and mining environments. Their slim design allows installation inside well casings for deep-well dewatering, while the center-flange construction ensures stable, vertical placement even when supported by the discharge pipe. Seal pressure-relief ports protect the shaft seal by preventing pump pressure from being applied directly to the sealing chamber.

Stainless Steel Casing
High Head
Corrosion Resistant

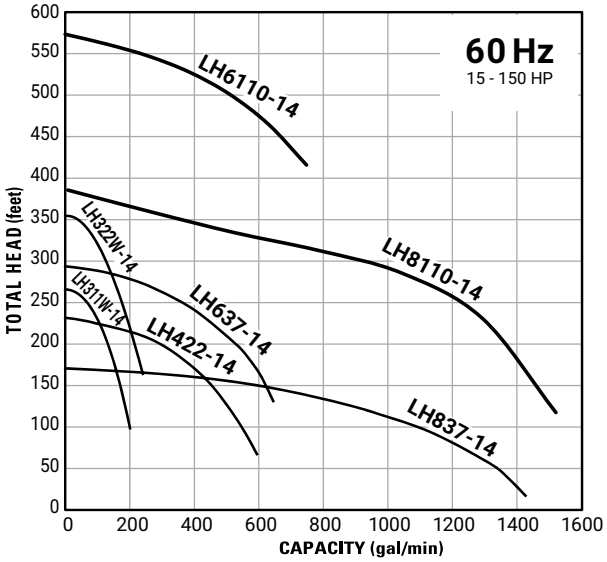

LH637-14


LH322W-14

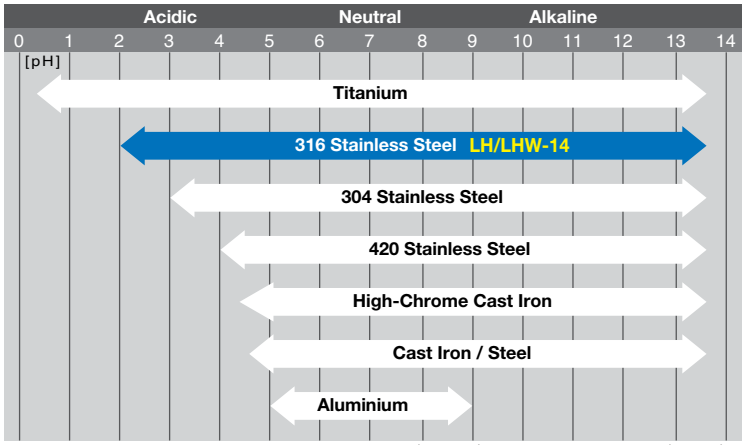
MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
LH422-14	30	—	—	36	28.5	3600	4	16 9/16	53 1/4	0.236	9 7/8	815
LH637-14	50	—	—	58	46	3600	6	20 7/8	57	0.236	7 1/8	1190
LH837-14	50	—	—	58	46	3600	8	20 7/8	57	0.787	7 1/8	1190
LH311W-14	15	42	37	18.5	14.5	3600	3	13	46 5/8	0.334	7 7/8	705
LH322W-14	30	—	—	35.5	28	3600	3	13	50 3/16	0.334	11 3/4	750
LH6110-14	150	—	—	157	—	3600	3	23 5/16	74 5/16	0.394	7 7/8	2970
LH8110-14	150	—	—	157	—	3600	3	23 5/16	74 5/16	0.787	7 7/8	2970

Special Rubber Parts Made of Viton Elastomer

Key rubber components—including the mechanical seal, oil seal, O-rings, and packings—are made from Viton elastomer, providing superior resistance to heat and chemicals for reliable performance in demanding pumping environments.



pH Values and Corrosion Resistance of Tsurumi Pumps



The above data is a rough indication for sulfuric acid (H_2SO_4) and sodium hydroxide (NaOH). Metals are affected by the type of acid/alkali, seal material, painting and abrasive environment.

FOR SPECIAL PUMPING Barge System & Flotation Modules

Barge System

Floating barge systems can be paired with any Tsurumi dewatering pump to enable efficient water removal from quarries, pits, and other work sites. By keeping the pump near the water's surface, barges help prevent the intake of settled abrasives or solids. Their adjustable design allows both the barge and the pump to be positioned for pumping down to the lowest water level, even on uneven terrain.

Constructed with durable polyethylene float sections and welded steel framing, the barges provide a stable platform for harsh outdoor environments. Pumps can be suspended from a center beam within the central opening for secure installation and optimal performance.

Barge Dimensions (ft.)	Max. Capacity
6 x 6	296 lbs
8 x 8	3100 lbs
10 x 10	5750 lbs
8 x 8 with Platform	2000 lbs
10 x 10 with Platform	4550 lbs
3 x 20 Catwalk	1360 lbs*

*Strictly for personnel.
Consult factory for additional options and materials.

Flotation Modules: TFM

Concept

Tsurumi's pump flotation modules offer a lightweight, cost-effective alternative to traditional steel pontoons. Designed to support submersible pumps above settled solids, the system provides a stable floating platform ideal for quarry, mine, and site dewatering operations.

Installation

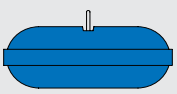
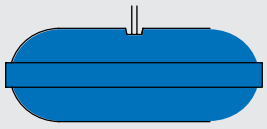
The module and pump can be easily installed using the central lifting point. Once placed in the water, the barge can be towed into position and secured using anchor or guide ropes. The float structure remains visible above the surface, ensuring simple inspection and recovery.

Applications

- Mine dewatering
- Tailing dams
- Underground dams
- Sewage and wastewater treatment
- Aeration ponds
- Construction site dewatering
- Floating display platforms

Design Features

- Compact, lightweight construction
- Mounts easily to pumps on site
- Integrated lifting points for simple handling
- Easy to transport as one unit
- Foam-filled for durability and sink-resistance

	TFM-450	TFM-2500
		
Float dimensions (inches - approximate)	39 x 39 x 18	71 x 71 x 30
Pump mounting bracket	Stainless steel	Galvanized steel
Weight (approximate) including brackets	150lbs. to 172lbs.	567lbs. to 661lbs.
Maximum Pump Weight	450lbs.	2500lbs.

CONTROL PANELS: Automatic / Manual, VFD & Soft Start

Automatic

- UL listed Nema 4x fiberglass enclosure
- HOA selector switch
- IEC rated magnetic contactor
- Field adjustable overload protection
- Includes (2) 50” mechanical floats

Manual

- Nema 4x fiberglass enclosure
- UL listed
- Hand/off lockable selector switch
- IEC rated magnetic contactor
- Field adjustable overload protection

VFD & Soft Start

- Constant pressure
- Constant level
- Pace flow
- UL listed
- Field adjustable overload protection

Available option include:

- Line reactor
- Load reactor
- Seal leak protection
- Lightning protection
- Ground-ground check protection
- Elapsed time meter
- Mechanical floats
- Liquid level probes
- SCADA monitoring

TSURUMI PUMP™

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