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CONTRACTOR PUMPS & GENERATORS BUILT FOR WORK

Electric Submersible Pumps • Engine Driven Pumps • Generators • Accessories



TSURUMI PUMP Electric Submersible Pumps

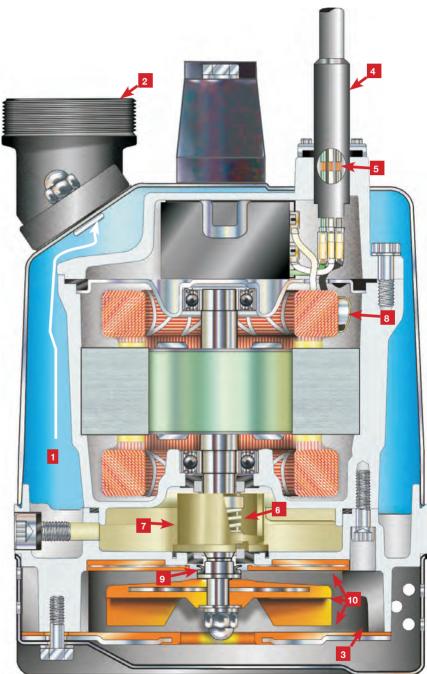
LB Series • HS Series Features Long-life by design

- 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.
- 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.
- DUAL INSIDE MECHANICAL SEAL WITH SILICON CARBIDE FACES: Provides longer operational life of any seal available.

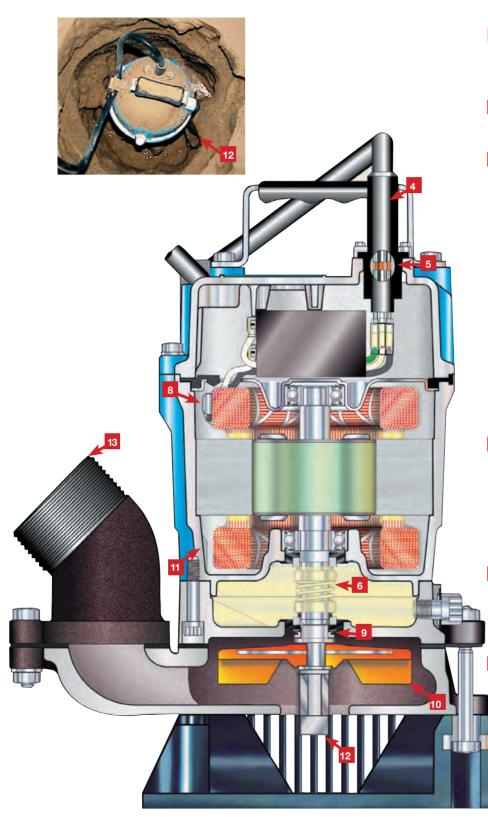


7 OIL LIFTER: Provides lubrication of the seal faces down to 1/3 of normal oil level and extends seal life by ten times—uses no additional power.





Featured Model LB-480



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

- 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

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.

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

Electric Submersible Pumps

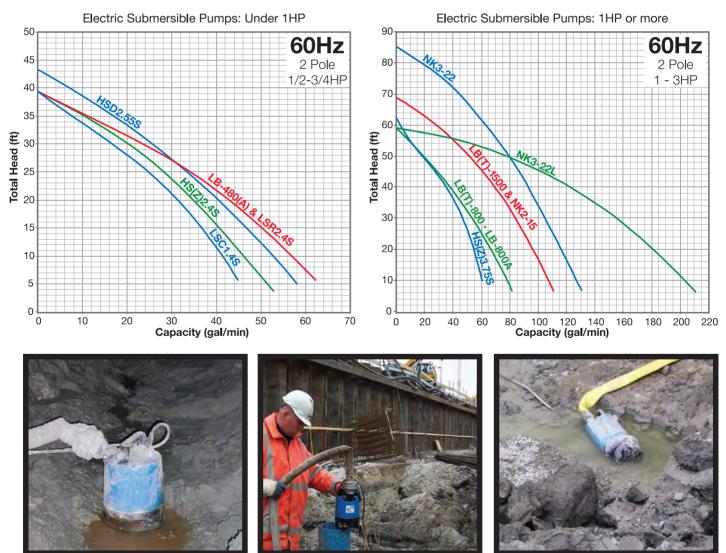
GROUP PERFORMANCE RANGE

Reliable and cost-effective pumps

enable Tsurumi to remain an industry leader in the rental and construction markets. Our customers know that while many pumps may look the same, only Tsurumi incorporates the most durable components into the final manufactured product.



GROUP PERFORMANCE RANGE ELECTRIC SUBMERSIBLE PUMPS: SINGLE PHASE & THREE PHASE



LB-480 · LB-480A DEWATERING PUMPS

LB-480 Slimline design pump fits into 8" pipes. 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-480A Automatic Submersible Pump** performs like the non-automatic version in every aspect of construction site usage requiring a tough and durable pump.



LB-480

LB-480 Features

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

Optional Accessories - See page 28-30

- · TS-301 Float Switch for automatic operation
- Discharge hoses
- Quick connect fittings



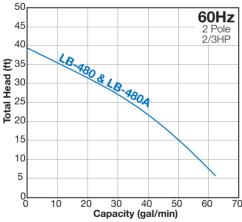
LB-480A

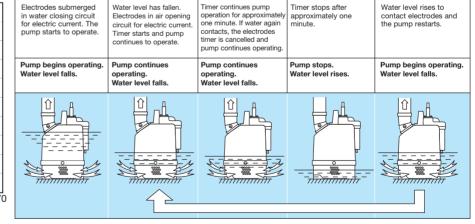
LB-480A Features

- 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

Technical Features of Automatic (A) Water Level Sensor

- Sensitive electrodes detect water to start pump operation even when foreign materials are present
- Internal 60-second 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 Service to UL and CSA standards for submersible construction pumps.

Model	Motor Output (LID) Phase		Discharge Bore Cable Length		Dimens	ion (inch)	Continuous Running	Shipping Weight
Woder	(HP)	Fliase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
LB-480	2/3	Single	2	32	7 11/16	11 1/4	2	28
LB-480A	2/3	Single	2	32	8 3/4	11 1/4	4 1/2*	29

*Pump Starting Water Level

LB(T)-800 · LB-800A DEWATERING PUMPS



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LB-800 • **LBT-800 Slimline design pumps** fits into 8" pipes. Powerful pump built with durable materials in an easy handling design. Top discharge provides maximum motor cooling efficiency allowing continuous duty operation at low levels and extended dry-run capability.

LB-800 (Single Phase) · LBT-800 (Three Phase) Features

- Designed to fit an 8" pipe
- Up to 59' shut off head
- Available in 230V single-phase for lower amperage draw and longer cable extensions
- Dual Inside Mechanical Seal With SiC faces provides longer operational life
- Oil Lifter provides lubrication of the seal faces (Patented)
- LB-800 (Single Phase) and LBT-800 (Three Phase) are available

Optional Accessories - See page 28-30

- Float Switch for automatic operation TS-302 for 115V, TS-303 for 230V
- Discharge hoses Quick connect fittings

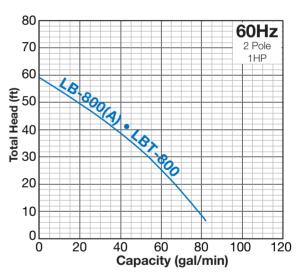
Dewatering pump LB-800A features Relay Unit (Level Sensor) which incorporates low voltage, stainless steel probes, epoxy and rubber encapsulated timing relay, that turns the unit off when water is not present. It saves energy and extends the life of the motor and bearings!

LB-800A (Single Phase) pump Features

- Up to 59' shut off head
- Dual Inside Mechanical Seal With SiC faces provides longer operational life
- Oil Lifter provides lubrication of the seal faces (Patented)

Technical Features of Automatic (A) Water Level Sensor

- Sensitive electrodes detect water to start pump operation even when foreign materials are present
- Internal 60-second timer eliminates frequent on/off operation in rough water to extend motor life
- Automatic water level 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



LB-800 · LBT-800 Certified by Intertek Testing Service to UL and CSA standards for submersible construction pumps Motor Output Dimension (inch) Discharge Bore Cable Length Continuous Running Shipping Weight Phase Model (HP) Water Level (inch) (inch) Diameter Heights (lbs.) (ft) LB-800 2 13 7/16 1 Single 50 7 9/16 2 37 LBT-800 2 13 7/16 1 Three 50 7 9/16 2 36

LB-800A

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

Model	Motor Output Phas		Discharge Bore Cable Length		Dimens	sion (inch)	Pump Starting	Shipping Weight
Widdei	(HP)	Fliase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
LB-800A	1	Single	2	50	8 3/4	13 7/16	6 3/4	38

LB-1500 · LBT-1500 DEWATERING PUMP

LB-1500 • **LBT-1500 Slimline design pumps** fit into 8" pipes. Powerful pump built with durable materials in an easy handling design. Top discharge provides maximum motor cooling efficiency allowing continuous duty operation at low levels and extended dry-run capability.



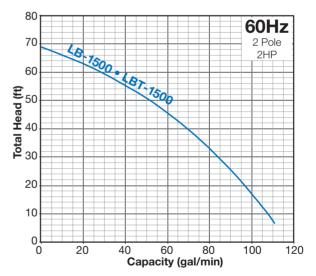
LB-1500 (Single Phase) · LBT-1500 (Three Phase) Features

- 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 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

Optional Accessories - See page 28-30

- Float switch TS-304
- Discharge hoses
- Quick connect fittings
- Control panel
- 2" discharge





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

Model	Model Motor Output		Discharge Bore	charge Bore Cable Length		sion (inch)	Continuous Running	Shipping Weight
Woder	(HP)	Thase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
LB-1500	2	Single	3 (2)*	50	7 3/8	23 5/16	3 1/8	85
LBT-1500	2	Three	3 (2)*	50	7 3/8	23 5/16	3 1/8	85
			*0 := = = +: = = = =					

*2" is optional

Electric Submersible Pumps

HS · HSZ TRASH PUMP



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 water containing sand, solids and debris with minimal wear and clogging.

HSZ AUTOMATIC TRASH PUMP

Float operated automatic operated version.

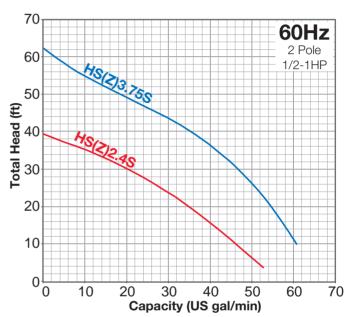
HSZ3.75S

HS · HSZ TRASH PUMP Features

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

Optional Accessories - See page 28-30

- · Vertical discharge coupling
- · 2-inch NPT coupling available for HS(Z)3.75S
- · Residue Kit (HS-RK) is available for HS2.4S / HSZ2.4S
- Discharge hoses
 Quick connect fittings

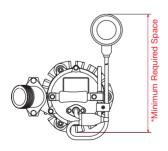


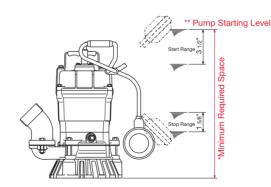
HS2.4S / 3.75S

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

	Model	Motor Output	Phase	Discharge Bore	Cable Length	Dimens	sion (inch)	Continuous Running	Shipping Weight
	Widdei	(HP)	1 11430	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
ſ	HS2.4S	1/2	Single	2	20	10 1/16	12 15/16	3 1/2	30
ſ	HS3.75S	1	Single	3	32	12 7/16	15 5/16	3 1/2	50

HSZ2.4S / 3.75S





	Certified by intertex resting service to 0L and CSA standards for submersible construction pumps.												
Model	Motor Output	Dhaco	Discharge Bore	Cable Length	Dimens	sion (inch)	Pump Starting	Shipping Weight					
WIDGEI	(HP)	Fliase	(inch)	(ft)	*Diameter	*Heights	Water Level (inch)	(lbs.)					
HSZ2.4S	1/2	Single	2	20	13 1/2	15 1/8	15 1/8	30					
HSZ3.75S	1	Single	3	32	13 1/2	17 1/2	17 1/2	50					

*Minimum Required Space

Electric Submersible Pumps

HSD SERIES SAND PUMP

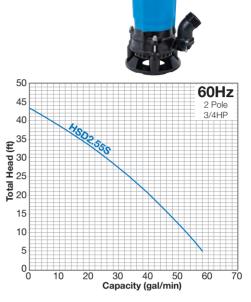
EXTREME DUTY TRASH PUMP: Pumps water containing sand, solids and debris with minimal wear and clogging.

HSD Series Features

- Anti-wicking block prevents water incursion
- Oil Lifter extends seal life by ten times Dual Inside Mechanical Seal with silicon carbide faces provides longer operational life of any seal available
- V-Ring Seal design protects mechanical seal from abrasive particles
- Built-in larger shaft mounted agitator
- suspends solids & eliminates clogging
- High Chromium Iron impeller
- Ductile iron pump casing
- 3/4 HP motor; larger than HS2.4S Easy pump end disassembly by removing
- only 3 nuts

Optional Accessories - See page 28-30

- Float switch
 Straight discharge
- Discharge hoses
 Quick connect fittings



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

	Model	Motor Output	Dhaso	Discharge Bore Cable Length		Dimens	sion (inch)	Continuous Running	Shipping Weight
	Woder	(HP)	Filase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
ł	HSD2.55S	3/4	Single	2	32	10 3/8	15 3/8	4 1/8	39

NK HEAVY DUTY HIGH HEAD PUMP

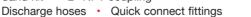
Heavy duty, single phase high head pumps capable of handling abrasive materials with minimal wear.

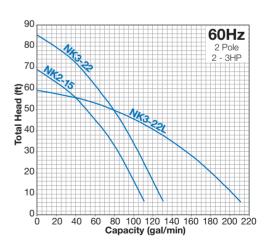
NK2-15 · NK3-22/3-22L Features

- Terminal board for voltage reconnect allows for change from 110V to 220V (NK2-15 only)
- NK2-15 NK3-22: Semi Vortex Impeller and Synthetic Rubber Wear Plates for maximum durability and maintaining pump performance NK3-22L: Semi-Open Impeller
- Dual Inside Mechanical Seal With SiC faces provides longer operational life
- · Oil Lifter provides lubrication of the seal faces (Patent)
- V-Ring Seal design protects mechanical seal from abrasive particles

Optional Accessories - See page 28-30

- TS-303 & TS-304 Float Switch for automatic operation
 - Sand kit 2" NPT coupling





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

Model	Motor Output	Dhaco	Discharge Bore	Cable Length	Dimens	sion (inch)	Continuous Running	Shipping Weight
Woder	(HP)	Fliase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
NK2-15	2	Single	3	32	9 7/16	24 1/2	3 1/4	80
NK3-22	3	Single	3	32	9 7/16	24 1/2	3 1/4	81
NK3-22L	3	Single	3	32	9 1/4	26 1/2	4 3/4	90

LSR GROUND DRAINAGE PUMP



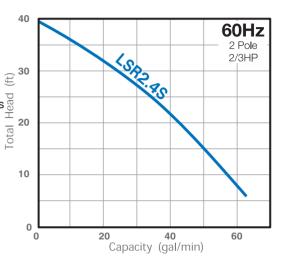
Pump holds suction for drainage to 0.4 inch water level.

LSR2.4S Features

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

Optional Accessories - See page 28-30

- SLS-LSR32 Float Switch for automatic operation
- Discharge hoses
- Quick connect fittings



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

	Model	Motor Output	Phase	Discharge Bore Cable Length Dimension (inch)		Continuous Running	Shipping Weight		
	Model	(HP)		(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
[LSR2.4S	2/3	Single	2	32	8 1/4	11 3/8	0.2	30

LSC GROUND DRAINAGE PUMP

Original residue dewatering pump; able to pump down to the floor, even the smallest puddle can be pumped dry. LSC drainage pump is the best for complete drainage of flat surfaces where a sump is not available.

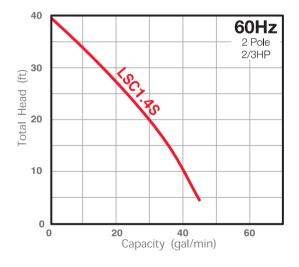


LSC1.4S Features

- 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
- Dual Inside Mechanical Seal With SiC faces
 provides longer operational life
- Oil Lifter provides lubrication of the seal faces (Patented)
- V-Ring Seal design protects mechanical seal from abrasive particles

Optional Accessories - See page 28-30

- SLS-LSC20 Float Switch 2" Discharge
- Discharge hoses
 Quick connect fittings



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

Model		Motor Output	Phase	Discharge Bore Cable Length		Dimens	sion (inch)	Continuous Running	Shipping Weight
		(HP)		(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
LSC1.4	4S	2/3	Single	3/4	20	7 11/16	12 7/16	0.04	31

Electric Submersible Pumps

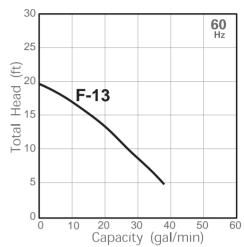
F-13 UTILITY PUMP



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"NPT discharge.

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



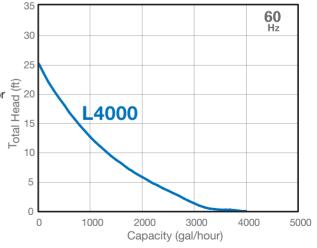
Model	Max. Capacity (GPM)	Max. Head (ft)	Discharge Size (in) - Internal Thread	Nominal HP	RPM	Rated Current at 115V (amps)	Standard Cable Length (ft)	Shipping Weight (lbs.)
F-13	38	19	1 1/4 or 3/4	1/4	3450	4.2	10	11

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



Model	Max. Capacity (GPH)	Max. Head (ft.)	Body Material	Discharge Size (in.) & Parts Material	Impeller	Shaft Seal	Voltage (V)	Standard Cable Length (ft.)	Shipping Weight (lbs.)
L-4000	4000	25	High Impact ABS Thermo-Plastic	1-1/2 & 2 Polypropylene	Glass/Nylon Composite	Mechanical (Carbon/Ceramic)	12	6	5.4

Electric Submersible Pumps

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. Ideal for deep-well pre-dewatering.

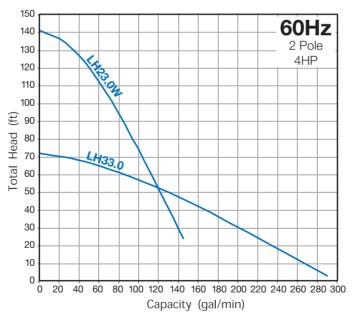


LH23.0W



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 (Patented): 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 Dual Inside Mechanical Seal with Silicon Carbide Faces: Provides longer 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.





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

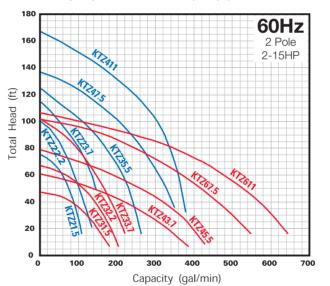
Model	Motor Output	Phase	Discharge Bore	Cable Length	Dimens	sion (inch)	Continuous Running	Shipping Weight
WIDGEI	(HP)	Fliase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
LH23.0W	4	Three	2	65	7 5/16	24 13/16	7 7/8	121
LH33.0	4	Three	3	65	7 5/16	25 3/8	5 7/8	113

KTZ THREE PHASE DEWATERING PUMPS

Designed to withstand the most demanding conditions found in the construction, aggregate and mining markets. Tsurumi KTZ Series dewatering pump 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
- Anti-Wicking Block prevents water incursion due to capillary wicking. should the power cable be damaged or the end submerged
- Oil Lifter: Lubrication of the seal faces down to 1/3 of normal oil level 3 and extends seal life by ten times-uses no additional power
- Dual Inside Mechanical Seal with Silicon Carbide Faces provides longer operational life 4 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

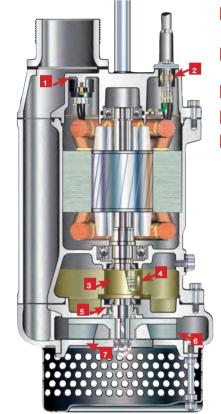




Certified by Intertek Testing Service to UL and CSA standards for submersible construction pumps.

Model	Motor Output	Phase	Discharge Bore	Cable Length	Dimens	ion (inch)	Continuous Running	Shipping Weight
Woder	(HP)	Phase	(inch)	(ft)	Diameter	Heights	Water Level (inch)	(lbs.)
KTZ21.5	2	Three	2	50	9 1/4	25 1/2	4 3/4	78
KTZ31.5	2	Three	3	50	9 1/4	25 1/2	4 3/4	78
KTZ22.2	3	Three	2	50	9 1/4	26 5/16	4 3/4	107
KTZ32.2	3	Three	3	50	9 1/4	26 5/16	4 3/4	107
KTZ23.7	5	Three	2	50	11 1/8	26 1/4	5 7/8	170
KTZ33.7	5	Three	3	50	11 1/8	26 5/8	5 7/8	167
KTZ43.7	5	Three	4	50	11 1/8	27 1/16	5 7/8	168
KTZ35.5	7 1/2	Three	3	50	12 1/16	28 3/8	5 7/8	211
KTZ45.5	7 1/2	Three	4	50	12 1/16	28 3/4	5 7/8	203
KTZ47.5	10	Three	4	50	13	31 13/16	7 1/2	279
KTZ67.5	10	Three	4 (6)*	50	13 (14 9/16)*	31 13/16 (31 7/8)*	7 1/2	300
KTZ411	15	Three	4	50	14 3/4	32 15/16	7 1/2	349
KTZ611	15	Three	4 (6)*	50	14 3/4	32 15/16 (33 11/16)*	7 1/2	357
			*6 " Discharge	Bore for KTZ	767 5 & KT7611	is optional		

" Discharge Bore for KTZ67.5 & KTZ611 is optional 6



Engine Powered Pumps

TSURUMI PUMP Engine Powered Pumps

TSURUMI Engine Powered Pumps are constructed for maximum durability in a compact, easy handling design. Utilizing superior features and materials, Tsurumi provides an affordable, high value pump line designed to withstand your tough dewatering applications.

STANDARD TSURUMI FEATURES



OIL ALERT SYSTEM

Shuts the engine down if the oil level falls below the safe operating level. Protects the engine against destruction due to low oil level.

Oil alert system may not be standard on the competitors pumps, therefore the engine will be destroyed if the oil level is not monitored properly. Competitors may supply a Carbon/Ceramic seal, that is not suitable for pumping abrasives and is subject to thermal shock, should the pump run dry.



SILICON CARBIDE MECHANICAL SEAL

Silicon Carbide's high, uniform hardness and high density makes it an extremely abrasion resistant material that outwears all other materials by a wide margin. Highly resistant to thermal shock, while exhibiting unlimited corrosion resitance.



ROLLED STEEL CAGE FRAME

Provides for a safe, stable, platform during operation. Protects pump and engine during operation and transportation. Allows for ease of handling. Wheel kit is available as option.

Competitors may not supply vibration isolators, nor do they support the pump casing. Without support, the strain from the hose or pipe is transmitted to the casing and mechanical seal housing. Eventually, this will cause failure of the pump casing, failure of the mechanical seal housing or failure of the mechanical seal.



VIBRATION ISOLATORS (BOTH FRONT AND REAR)

Ensures safe and stable operation. Supports pump casing thereby eliminating hose or pipe strain. Reduces vibration of structural parts.

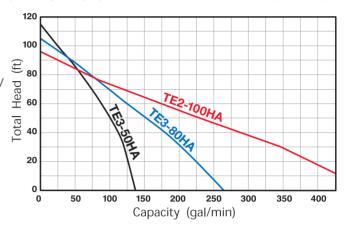
TE SERIES CENTRIFUGAL PUMP

Powerful, Lightweight Pumps

TE2/TE3-HA Gas Engine Centrifugal Pumps Powered by heavy-duty, powerful Honda GX series gas engines



- Heavy-duty Honda gas engine with oil sensor and Silicon Carbide mechanical seal provides longer life in this class
- Cast Iron impeller and volute casing
- Durable Rolled-Steel frame provides pump/ engine with maximum protection, perfect ease of handling or transport, and safe operation
- Rubber mounts on the pump and the frame
- Both 2" and 3" models are light enough for Ground shipment
- Hose Kit / hoses / hose accessories are available: See page 28-31 for more details

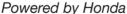


Model	Discharge / Suction	Engine	Max. Output	Dime	ensions (inc	hes)	Shipping
Weder	Size	Engine	(hp/rpm)	Length	Width	Height	Weight (Ibs.)
TE3-50HA	2" NPT Coupling	Honda GX120	4.0 / 3600	18 1/2	14 5/8	17 1/8	55
TE3-80HA	3" NPT Coupling	Honda GX160	5.5 / 3600	20 1/2	16 1/2	18 1/8	64
TE2-100HA	4" NPT Coupling	Honda GX240	8.0 / 3600	25	18	23 1/2	109

TE2-25H CENTRIFUGAL PUMPS

TSURUMI PUMP Model TE2-25HA is ideal for general dewatering, irrigation and all-purpose cleaning and wash down applications. Easy starting and quiet running is assured with its four stroke Honda GX25 engine. Built to be lightweight yet durable.

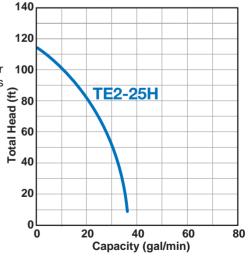
TE2-25H Centrifugal Pump





- Heavy-duty Honda gas engine with oil sensor and Silicon Carbide mechanical seal provides longer life in it's class
- Cast Iron impeller and volute casing
- Durable Rolled-Steel handle for ease of handling
- Suction strainer included

Optional Accessories - See page 28-31

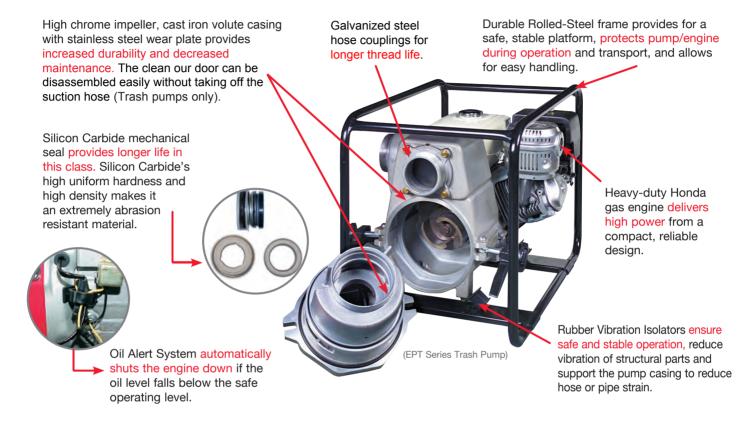


Model	Suction Size	Engine	Max. Output	Dime	ensions (inc	hes)	Shipping
Model	Suction Size	Ligine	(hp/rpm)	Length	Width	Height	Weight (lbs.)
TE2-25H	1" NPSH Coupling	Honda GX25	1.1 / 2220	9	14	13	12

Engine Powered Pumps See Page 28-31 for Engine Pump Accessories

TSURUMI PUMP Engine Powered Pumps

TSURUMI Engine Powered Pumps are constructed for maximum durability in a compact, easy handling design. Utilizing superior features and materials, Tsurumi provides an affordable, high value pump line designed to withstand your tough dewatering applications.



TE SERIES GAS ENGINE CENTRIFUGAL PUMPS



TE3-50HA 2" Centrifugal Pump Powered by Honda



TE3-80HA 3" Centrifugal Pump Powered by Honda



TE2-100HA 4" Centrifugal Pump Powered by Honda



TE2-25H 1" Compact Centrifugal Pump Powered by Honda

EPT SERIES GAS ENGINE TRASH PUMPS



EPT3-50HA 2" Trash Pump Powered by Honda



EPT3-80HA 3" Trash Pump Powered by Honda



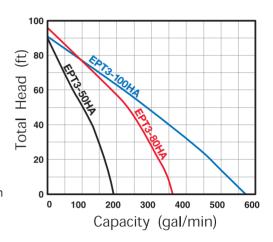
EPT3-100HA 4" Trash Pump Powered by Honda

EPT3 SERIES ENGINE TRASH PUMPS

Tsurumi trash pumps are designed with oversized pump casing, and a cleanout door which can be removed from the pump casing without having to remove the suction hose.

EPT3-HA Gas Engine Trash Pumps Powered by heavy-duty, powerful Honda GX series gas engines

- Heavy-duty Honda gas engine with oil sensor delivers high power from a compact, reliable design. Silicon Carbide mechanical seal provides longer life in this class
- High Chrome impeller, Cast Iron volute casing plus Stainless Steel wear plate promise increased durability and decreased maintenance
- Pump/engine set mounted to cage frame on Rubber Vibration Cushions to buffer stress and wear
- Durable Rolled-Steel frame provides pump/engine with maximum protection, perfect ease of handling or transport and safe operation
- Galvanized Steel hose couplings promise longer thread life
- Carrying Handle/Wheel Kit and Lifting Bail for easy transportation available with all trash pumps as an optional accessory
- Hose kit / hoses / hose accessories are available: See page 28-31 for more details



Model	Discharge / Suction	Engine	Max. Output	Dim	ensions (inc	hes)	Shipping
	Size	Engine	(hp/rpm)	Length	Width	Height	Weight (lbs.)
EPT3-50HA	2" NPT Coupling	Honda GX160	5.5 / 3600	23 1/4	18 1/4	17 3/8	82
EPT3-80HA	3" NPT Coupling	Honda GX240	8.0 / 3600	27 1/2	20 1/8	25 5/8	136
EPT3-100HA	4" NPT Coupling	Honda GX340	11.0 / 3600	30 1/8	20 1/8	26	160

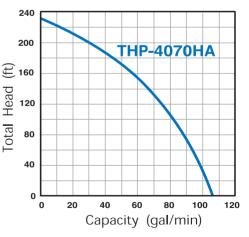
THP HIGH PRESSURE PUMP

High Pressure and high performance: A pump for sprinkling, irrigation and fire protection.

THP4070-HA Features



- Heavy-duty Honda gas engine with oil sensor and Silicon Carbide mechanical seal provides longer life in this class
- Maximum pressure of 100 PSI for high pressure applications
- Versatile 3-way discharge allows pump to run up to three discharge lines simultaneously
- Two 1" couplings and one 1 1/2" coupling
- High head, closed impeller and cast iron volute casing deliver high performance and long wear life



Model	Discharge Size	Suction Size	Engine	Max. Output (hp/rpm)	Dimer	nsions (i	nches)	Shipping	
Weder	Discharge Size		Engine		Length	Width	Height	Weight (lbs.)	
THP-4070HA	1" x 2, 1.5" x 1 NPSH Coupling	1.5" NPSH Coupling	Honda GX160	5.5 / 3600	21	16	18	62	

TD5 / TDE5 DIAPHRAGM PUMP

Powerful Sand, Mud and Sludge Handling Pumps

Capable of continuous dry operation for seepage dewatering. Handles sand, mud and sludge. Both HONDA GX120 engine driven (TD5 Series) and electric motor (TDE5 Series) diaphragm pumps are available.



Gas Engine: TD5

Electric Motor: TDE5

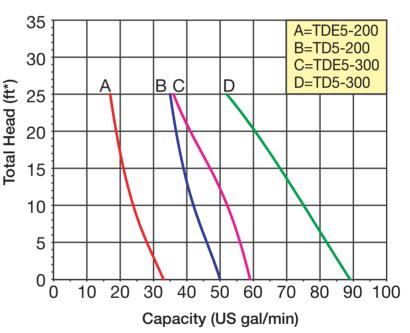
TD5 / TDE5 Diaphragm Pumps Features powered by Honda

Sand cast aluminum construction for portability and durability .

- Thermoplastic rubber diaphragm .
- 2" or 3" NPT suction and discharge size .
- 1-5/8" diameter solids handling capability •
- · Modular component design permits easy maintenance and cleanout
- Gas engine model: Honda GX120 (TD5)
- Electric motor model (TDE5) •
- Delivers up to 88 GPM (TD5-300) / 59 GPM (TDE5-300) •
- Maximum temperature 180°F •

Optional Accessories - See page 28-31

- Suction hose kits
- Discharge hose kits



(*) Convert to psi, divide by 2.31 Liquid - Water specifc gravity 1.0

Model	Discharge / Suction	Engine	Max. Output	Dime	ensions (inc	ches)	Shipping
Model	Size (inches)	(115V)	(hp/rpm)	Length	Width	Height	Weight (lbs.)
TD5-200	2" NPT Coupling	Honda GX120	4 / 3600	43	20	23	160
TD5-300	3" NPT Coupling	Honda GX120	4 / 3600	43	26	23	175
TDE5-200	2" NPT Coupling	N/A	4 / 1725	44	20	23	165
TDE5-300	3" NPT Coupling	N/A	4 / 1725	44	26	23	185



90° Rotatable base on both models

Engine Powered Pumps

EPT5 SERIES GAS / DIESEL TRASH PUMP

Industrial Duty 6" Trash Pump: Powered by Honda gas engine / Yanmar diesel engine

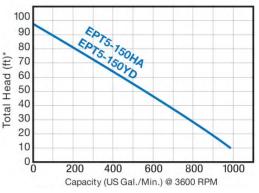
EPT5-150HA (Gas Engine) / EPT5-150YD (Diesel Engine)

Cast Iron Wear Plate, Volute and Manifold

Stainless Steel Impeller

Trash Pump Features

- Silicon Carbide Mechanical Seal and Buna
- O-Rings and Flapper / Check Valve
- Self Priming to 20ft
- Available with Honda GX670 Gas Engine or Yanmar 3TNM72 Diesel Engine (Final Tier 4)
- Solids Handling to 3" Diameter
- Unique Slide Mechanism permits complete service of pumps without removing hoses or removing pump components from trailer
- 12 VDC Electric Start; Digital Tachometer / hourmeter included



* Convert to PSI , divide by 2.31 • Liquid-Water specific gravity 1.0

Model	Discharge Suction	Engine	Engine	Max. Output	Dime	ensions (inc	hes)	Shipping	
	Size (inches)	Туре	Ligine	(hp/rpm)	Length	Width	Height	Weight (lbs.)	
ETP5-150HA	6" NPT Coupling	Unleaded Gasoline	Honda GX670	24.0 / 3600	99	48	60	1125	
EPT5-150YD	6" NPT Coupling	Diesel	Yanmar 3TNM72	20.8 / 3600	99	48	60	1250	

EPT2-100/150 HEAVY DUTY TRASH PUMP

Trailer Mounted Trash Pumps for Tough Jobs

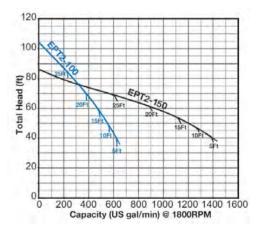
Dewatering to sewage, clean water to 3-inch solids-our trash pumps do it all.



EPT2-100 / EPT2-150 Diesel Trash Pump

Features Engine may vary - Consult Factory

- Heavy-duty diesel engine with electric start
- Pass 3" solids (EPT2-150) or 2" solids (EPT2-100) with non-clog, wear resistant ductile iron impeller on 304 stainless steel shaft sleeve
- Oil and abrasion resistant, rubber-lined front and rear wear plates
- Long-life grease lubricated tungsten carbide mechanical seals (optional oil lubricated seals available)
- Heavy-duty DOT road trailer with 15" 6-ply tires and 2" pintle hitch



	Model	Discharge / Suction	Engine	Max. Output	Dime	ensions (inc	hes)	Shipping
	IVIOUEI	Size	Engino	(hp/rpm)	Length	Width	Height	Weight (lbs.)
E	EPT2-100	4" NPT Coupling	Consult Factory	Consult Factory / 2000	116 1/2	72 1/2	77	Consult Factory
E	EPT2-150	6" NPT Coupling	Consult Factory	Consult Factory / 2000	126 1/2	72 1/2	77	Consult Factory

Engine Powered Pumps

EPT4-150 HEAVY DUTY TRASH PUMP

Heavy Duty Prime Assisted & Sound Attenuated Priming Assisted Trash Pump



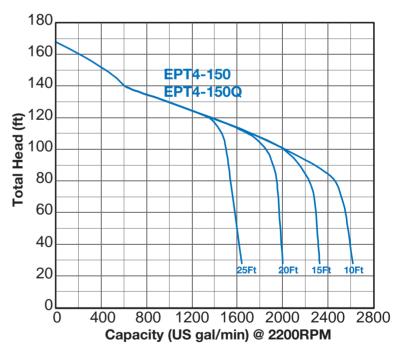
Priming Assisted: EPT4-150



Sound Attenuated Priming Assisted: EPT4-Q

EPT4-150 / EPT4-150Q Features

- Vacuum assisted pump that primes and re-primes by use of a compressor running high pressure air across a venturi which creates a vacuum
- · Heavy-duty engine: Consult factory for more details
- With electric start and 60 gallon fuel tank for a runtime at full of load of 24 hours
- · Passes 3" spherical solids
- Mechanical seal is tungsten and silicon carbide seal faces, viton elastomers, 303 stainless steel hardware and spring. Seal system designed for dry running
- · Heavy duty road trailer
- DOT Trailer
- · LOFA auto start control panel with 50' floats assembly



Also available in 4", 8", and 12" versions. Please consult Factory.

Model	Discharge / Suction	- Fnaine		Dime	ensions (inc	hes)	Shipping
model	Size	Engino	(hp/rpm)	Length	Width	Height	Weight (lbs.)
EPT4-150	6" NPT Coupling	Consult Factory	Consult Factory / 2000	136 1/2	67	67 7/8	Consult Factory
EPT4-150Q	6" NPT Coupling	Consult Factory	Consult Factory / 2000	161 1/2	76 1/8	79 13/16	Consult Factory

LB Series · HS Series

		LB-480 2" Dewatering Pump	LB-480A 2" Automatic Dewatering Pump	LB-800 2" Slimline Pump	LB-800A 2" Automatic Slimline Pump	LB-1500 3" Slimline Pump	HS2.4S 2" Sand/Solids Trash Pump	HSZ2.4S 2" Automatic Trash Pump	HS3.75S 3" Sand/Solids Trash Pump	HSZ3.75S 3" Automatic Trash Pump	HSD2.55S 2" Extreme Durable Sand Pump	
P	Max. Capacity (GPM)	63	2.4	8	32	111	5	3	6	i1	58	
FLUID	Max. Head (ft.)	3	9.5	Ę	59	69	3	9	6	62	43	
	Solid Diameter (in.)					0.236					0.394	
PUMP	Impeller		Semi-	-Vortex		Semi-Open			Semi-Vortex			
≤P	Impeller Material		Urethan	e Rubber		High Chrome		Urethan	e Rubber		High Chrome	
	Casing Material	Ethylene Prop	ylene Rubber	Butadiene Rub Rub	ober & Natural ober	Butadiene Rubber, Natural Rubber & Steel		Gray Iro	n Casing		Ductile Iron Casing	
	Wear Plate Material		Urethan	e Rubber		Natural Rubber		Int	egral Part of Cast	ling		
	Shaft Seal - Type / Material		Double Inside Me	echanical Seal wit	h Silicon Carbide	faces on lower s	eals and Carbon	Ceramic Faces o	n upper seals			
	Seal Lubricant - Type				SA	E 10W/20W or Tu	rbine Oil (ISO VG	32)				
	Seal Lubricant Amount (ounces)	5	.2	5	.2	12.5	5	.4	5	.4	5.4	
	Seal Protection			1	V-Ring and 0	Dil Lifter (Oil Lifter	is patented by T	surumi Pump)	1		1	
	Discharge Connection		2" MNPT	Coupling		3" MNPT Coupling (2" is optional)	2" MNPT	Coupling	3" MNPT	Coupling	2" MNPT Coupling	
ž	Motor Output (HP)	2	/3		1	2	1,	/2	-	1	3/4	
MOTOR	Phase	Single Phase										
ת	Voltage (V)	115	or 220		115 or 230		115 c	or 220		115 or 230		
	Amperage - Rated Current	5.9 (115V)	3.0 (220V)	10.5 (115V)	5.2 (230V)	26.2 (115V) 13.2 (230V)	5.2 (110V)	2.7 (220V)	9.7 (115V)	4.9 (230V)	7.3 (115V) 3.7 (230V)	
	Amperage - Starting Current	12.4 (115V)	5.9 (220V)	20.6 (115V)	12.6 (230V)	112 (115V) 56 (230V)	12.4 (110V)	5.9 (220V)	29.7 (115V)	18.5 (230V)	19.0 (115V) 12.6 (230V)	
	Туре			1	Cont	inuous Duty, Air F	Filled, 3600 RPM,	60Hz	1		1	
	Bearings			Double	shielded, Permar	ently lubricated,	High-temp C3 wit	h B-10 life of 60,	000 hours			
	Insulation Class			E		В			Е			
	Motor Protection (Built- in)	Miniature	Protector	Cir	cle Thermal Prote	ector	Miniature	Protector	Circ	cle Thermal Prote	ector	
	Plug Configuration (Nema)	5-15P (115V)	No Plug (220V)	5-15P (115V) I	No Plug (230V)	No Plug	5-15P (110V) N	lo Plug (220V)	5-15P	(115V) No Plug (230V)	
	Cable - # of Conductors x AWG	3C x 1	6AWG	3C x 1	4AWG	3C x 12AWG (110V) 3C x 14AWG (230V)	3C x 1	6AWG	3C x 1	4AWG	3C x 16AWG	
	Standard Cable Length (ft)	3	32	5	50	50	2	0	3	2	32	
	Max. Cable Length (ft)	110 (115V)	420 (220V)	100 (115V)	400 (230V)	70 (115V) 160 (230V)	120 (115V)	460 (220V)	100 (115V)	430 (230V)	90 (115V) 350 (230V)	
	Recommended Generator Capacity (watts)	27	'00	46	600	7400	24	00	37	00	2900	
	Optional Float Switch	TS-301	N/A	TS-302 (115V) TS-303 (230V)	N/A	TS-303 (230V Operation only)	TS-301 (110V)	N/A	TS-302	N/A	TS-301	
	Diameter (inches)	7 3/8	8 3/4	7 9/16	8 3/4	7 3/8	10 1/16	13 1/2	12 7/16	13 1/2	10 3/8	
NEN	Height (inches)	11 1/4	11 1/4	13 7/16	13 7/16	23 5/16	12 15/16	15 1/8	15 5/16	17 1/2	15 3/8	
DIMENSION	Continuous Running Water Level (in.)	2	4 1/2 (Pump Starting Water Level)	2	6 3/4 (Pump Starting Water Level)	3 1/8	3 1/2	15 1/8 (Pump Starting Water Level)	3 1/2	17 1/2 (Pump Starting Water Level)	4 1/8	
Z	Shipping Weight (lbs.)	28	29	37	38	85	30	30	50	50	39	

Electric Submersible Pumps Specifications

LSR Series · LSC Series · NK Series · LBT Series · LH Series

		LSR2.4S 2" Ground Level Pump	LSC1.4S 1" Floor Level Pump	NK2-15 3" Heavy Duty High Head	NK3-22 3" Heavy Duty High Head	NK3-22L 3" Heavy Duty High Flow	LBT-800 2" 3-Phase Slimline Pump	LBT-1500 3" 3-Phase Slimline Pump	LH23.0W 2" 3-Phase Slimline Pump	LH33.0 3" 3-Phase Slimline Pump		
F	Max. Capacity (GPM)	62.4	45	111	130	211	82	111	145	291		
	Max. Head (ft.)	39.5	39	69	85	59	59	69	141	72		
	Solid Diameter (in.)	0.2	236		0.334			0.2	236			
P	Impeller		Semi-	Vortex		Semi-Open	Semi-Vortex	Semi-Open	Clo	sed		
PUMP	Impeller Material	Urethane	e Rubber	Ductile In	on Casing	High Chrome	Urethane Rubber	High Chrome	High C	Chrome		
	Casing Material		Ethylene Pro	pylene Rubber		Cast Iron	Natural	Rubber	Ductile	Cast Iron		
	Wear Plate Material	Urethane	e Rubber	Integral Pa	rt of Casting	Ductile Iron Casting	Natural	Rubber	Integral Pa	t of Casting		
	Shaft Seal - Type / Material				Double Inside M	-	th Silicon Carbide)				
	Seal Lubricant - Type				SAE 10W/20)W or Turbine Oi	I (ISO VG32)					
	Seal Lubricant Amount (ounces)	5.1	5.2		9.1		5.2	13.8				
	Seal Protection		V-Ri	V-Ring and Oil Lifter (Oil Lifter is patented by Tsurumi Pump) Oil Lifter (Pat				Oil Lifter (Pater	ted by Tsurumi)			
	Discharge Connection	2" MNPT Coupling	3/4" MNPS Coupling	;	3" MNPT Couplin	g	2" MNPT Coupling	3" MNPT Coupling (2" is optional)	2" MNPT 3" MNPT Coupling Coupling			
Z	Motor Output (HP)	2	/3	2	;	3	1	2	4			
MOTOR	Phase			Single Phase				Three	Phase			
עכ	Voltage (V)	115 c	or 220	110 or 220	2	20	208-230 /	460 / 575	208-230 / 460 / 575			
	Amperage - Rated Current	5.9	/ 3.0	23.0 / 11.5	1	3	3.6-3.7 / 1.7 / 1.4	7.2-8.0 / 4.0 / 3.0	12.3-12.0	/ 6.0 / 4.7		
	Amperage - Starting Current	12.4	/ 5.9	141 / 70	7	0	15.4 / 7.0 / 7.9	65-71 / 36 / 27	87-97 /	49 / 35		
	Туре				Continuous D	uty, Air Filled, 36	00 RPM, 60Hz		1			
	Bearings				Double Shie	lded, Permanent	ly Lubricated					
	Insulation Class	I	E		В			E	F			
	Motor Protection (Built- in)	Miniature	Protector			Cir	cle Thermal Prote	ctor	1			
	Plug Configuration (Nema)	5-1	15P				No Plug					
	Cable - # of Conductors x AWG	3C x 1	6AWG	3C x 12AWG	3C x 1	4AWG	4C x 1	6AWG	4C x 1	4AWG		
	Standard Cable Length (ft)	32	20	32	з	2	5	0	6	5		
	Max. Cable Length (ft)	110 (115V)	420 (220V)	75 (110V) 300 (220V)	1:	50	380 (230V) 1800 (460V) 2730 (575V)	190 (230V) 760 (460V) 1270 (575V))8-230V) 1300 (575V)		
	Recommended Generator Capacity (watts)	27	'00	7200	10	000	3600	7400	14:	200		
	Optional Float Switch	SLS-LSR32	SLS-LSC20	TS-304 (115V) TS-303 (220V)	TS-	303		Contro	l Panel			
	Diameter (inches)	8 1/4	7 11/16	9 7/16	9 7/16	9 1/4	7 9/16	7 3/8	7 5/16	7 5/16		
NEN	Height (inches)	11 3/8	12 7/16	24 1/2	24 1/2	26 1/2	13 7/16	23 5/16	24 13/16	25 3/8		
DIMENSION	Continuous Running Water Level (in.)	0.20	0.04	3 1/4	3 /14	4 3/4	2	3 1/8	7 7/8	5 7/8		
2	Shipping Weight (lbs.)	28	29	80	78	84	35	85	121	113		

KTZ Series

	KTZ21.5	KTZ31.5	KTZ22.2	KTZ32.2	KTZ23.7	KTZ33.7	KTZ43.7	KTZ35.5	KTZ45.5	KTZ47.5	KTZ67.5	KTZ411	KTZ611
						Wea	r Resistant P	umps					
Max. Capacity (GPM) Max. Head (ft.)	106	180	132	203	143	219	386	260	428	349	549	377	645
Max. Head (ft.)	75	47	100	67	115	102	61	125	79	137	102	167	107
Solid Diameter (in.)		1			0.334		1		1	0.472	0.787	0.472	0.787
Impeller Impeller Material							Semi-Open						
Impeller Material							High Chrome	9					
Casing Material							Cast Iron						
Wear Plate Material						D	uctile Cast Ir	on					
Shaft Seal - Type / Material					Double	Inside Mech	nanical Seal	with Silicon	Carbide				
Seal Lubricant - Type					S/	AE 10W/20W	/ or Turbine	Oil (ISO VG	32)				
Seal Lubricant Amount (ounces)	2	25.0 25.0 40.6 37.2 25.7 25.7 Lip Seal and Oil Lifter (Oil Lifter is patented by Tsurumi Pump)											5.7
Seal Protection													
Discharge Connection	2" MNPT Coupling	3" MNPT Coupling	2" MNPT Coupling	3" MNPT Coupling	2" MNPT Coupling	3" MNPT Coupling	4" MNPT Coupling	3" MNPT Coupling	4" MNPT Coupling	4" MNPT Coupling	4" MNPT Coupling (6" Optional)	4" MNPT Coupling	4" MNF Coupling
Motor Output (HP) Phase		2	3 5 7.5 10			al) Coupling _{Option} 15							
Phase							Three Phase	;		-			
Voltage (V)						208	3-230 / 460 /	575					
Amperage - Rated Current	6.2-6.0	/ 3.1 / 2.3	9.4-9.0 /	4.5 / 3.5	15.	0-13.6 / 6.8 /	5.3	21.0-19.7	/ 10.0 / 7.9	29.8-27.3 /	13.3 / 10.4	39.8-37.4 /	18.6 / 14
Amperage - Starting Current	42-48 /	/ 24 / 18	67-74 /	67-74 / 37 / 27 107-117 / 59 / 43 153-167 / 84 / 63 208-228 / 114 / 8						/ 114 / 82	272-299 / 150 / 119		
Туре					Cor	tinuous Duty	y, Air Filled, 3	3600 RPM, 6	60Hz	1			
Bearings					D	ouble Shield	ed, Permane	ntly Lubricat	ed				
Insulation Class							F						
Motor Protection (Built-						Circle	Thermal Pro	otector					
Plug Configuration (Nema)							No Plug						
Cable - # of Conductors x AWG		4C x 1	6AWG			4C x 14AW0	3	4C x 1	2AWG	4C x 1	0AWG	4C x	BAWG
Standard Cable Length (ft)							50						
Max. Cable Length (ft)		980 (460V) (575V)	140 (230V) 1090 (140 (230V)	720 (460V)	1150 (575V)		850 (460V) (575V)		1010 (460V) (575V)	220 (230V) 690 (1050 (460 575V)
Recommended Generator Capacity (watts)		300		400	140 (2007) 120 (4007) 1350 (575V) 19100 27600					300	53	700	
Optional Float Switch							N/A					I	
Diameter (inches)	Diameter (inches) 9 1/4 9 1/4					11 1/8		12	1/16	13	13	14	3/4
Height (inches)	25	1/2	26 5	5/16	26 1/4	26 5/8	27 1/16	28 3/8	28 3/4	31 1	3/16	32	5/16
Diameter (inches) Height (inches) Continuous Running Water Level (in.)	4/	3/4	4 3	3/4		5 7/8	1	5	7/8	7	1/2	7	1/2
Shipping Weight (lbs.)	77	75	79	77		137		167	170	2	25	293	295

Engine Powered Pumps Specifications

TE2-25HA · TE3-50HA - 80HA · TE2-100HA EPT3-50HA - 100HA · THP-4070HA

	TE2-25H 1" Dewatering Pump	TE3-50HA 2" Dewatering Pump	TE3-80HA 3" Dewatering Pump	TE2-100HA 4" Dewatering Pump	EPT3-50HA 2" Trash Pump	EPT3-80HA 3" Trash Pump	EPT3-100HA 4" Trash Pump	THP-4070HA High Pressure Pump
Max. Capacity (GPM) Max. Capacity (GPH)	34	137	264	476	185	357	569	100
Max. Capacity (GPH)	2040	8220	15840	28560	11100	21420	34140	6000
Max. Head (ft.)	115	115	96	91	92	92	95	231
Max. Solid Diameter (in.)	0.197		0.217	1	0.787	1.:	22	0.197
Impeller Type				Semi-Open	1	1		Closed
Impeller Type Impeller Material	rr Material Cast Iron High Chrome Iron Casting			sting	Aluminum			
Volute Casting Material				Cas	t Iron			
Water Plate Material		Integral Pa	rt of Volute			Stainless Steel		Integral Part o Volute
Pump Casing Material		Die Cast	Aluminum			Cast Al	uminum	
Shaft Seal - Type / Material				Silicon Carl	bide Mechanical Seal			
Seal Lubricant - Type				Wa	ater			
Discharge Connection	1" NPSH Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	1"x2, 1.5"x1 NPSH Coupling
Suction Connection	1" NPSH Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	1.5" NPSH Coupling
Brand	Honda							
Brand	GX-25	GX-120	GX-160	GX-240	GX-160	GX-240	GX-360	GX-160
Туре		1		Air-Cooled, 4-Cy	d, 4-Cycle Cylinder with Oil Sensor			
Output (HP)	1.1	4	5.5	8	5.5	8	11	5.5
RPM	2220	3600	3600	3600	3600	3600	3600	3600
Fuel		1		Unleaded	l Gasoline		1	
Fuel Tank Capacity (US Gallon)	0.15	0.66	0.95	1.59	0.95	1.6	1.7	0.95
Continuous Run Time Per Tank (hr.)	1.21	3.0	3.3	3.2	3.3	3.2	2.6	3.3
Starting Method				Recoil	Starter			
Length (inches)	9	18 1/2	20 1/2	25	23 1/4	27 1/2	30 1/8	21
Length (inches) Width (inches) Height (inches)	14	14 5/8	16 1/2	18	18 1/4	20 1/8	20 1/8	16
Height (inches)	13	17 1/8	18 1/8	23 1/2	17 3/8	25 5/8	26	18
Shipping Weight (lbs.)	12	55	64	109	82	136	160	62

Engine Powered Pumps Specifications

TD5-200/300 · TDE5-200/300 · EPT5-150HA/150YD EPT2-100/150 · EPT4-150DPJD/DPQJD

		TD5-200 2" Diaphragm Pump	TD5-300 3" Diaphragm Pump	TDE5-200 2" Electric Diaphragm Pump	TDE5-300 3" Electric Diaphragm Pump	EPT5-150HA 6" Trash Pump	EPT5-150YD 6" Trash Pump	EPT2-100 4" Heavy Duty Trash Pump	EPT2-150 6" Heavy Duty Trash Pump	EPT4-150 6" Heavy Duty Trash Pump	EPT4-150Q 6" Heavy Duty Trash Pump	
2	Max. Capacity (GPM)	50	88	33	59	1000	1000	680	1410	2400	2400	
FLUID	Max. Capacity (GPH)	3000	5280	1980	3540	60000	60000	40800	84600	144000	144000	
	Max. Head (ft.)	25	25	25	25	98	98	104	86	160	160	
	Max. Solid Diameter (in.)	1 1/2	1 5/8	1 1/2	1 5/8	:	3	2	3	3		
PC	Impeller Type	Diaphragm					Semi-Open				nclosed	
PUMP	Impeller (Diaphragm) Material		TF	PE		Stainle	ss Steel	Ducti	le Iron	Cas	Iron	
	Volute Casting Material		N	/A				Cas	t Iron			
	Water Plate Material		N	/A		Cas	t Iron		Rubber Lin	ed Cast Iron		
	Pump Casing Material		Sand Cast	Aluminum		Alum	ninum		Cas	t Iron	ron	
	Shaft Seal - Type / Material		N	/A		Silicon Car	bide / Buna		de / Viton & 304 ss Steel	Tungsten Ca Car		
	Seal Lubricant - Type		N	/A		Wa	ater	Gre	ease	C	Dil	
	Discharge Connection	2" NPT Coupling	3" NPT Coupling	2" NPT Coupling	3" NPT Coupling	6" NPT Coupling	6" NPT Coupling	4" NPT Coupling	6" NPT Coupling	6" ANS	Flange	
	Suction Connection	2" NPT Coupling	3" NPT Coupling	2" NPT Coupling	3" NPT Coupling	6" NPT Coupling	6" NPT Coupling	4" NPT Coupling	6" NPT Coupling	6" ANS	Flange	
EN	Brand	Ho	nda	N	/A	Honda	Yanmar	Consult Factory	Consult Factory	Consult	Factory	
ENGINE	Model	GX-	120	N	/A	GX-670	3TNM72	Consult Factory	Consult Factory	Consult	Factory	
ш	Туре	Air-Cooled, 4-Cy Oil S		N	/A	Air-Cooled V-Twin w/ Oil Sensor	Liquid Cooled, 4-Cycle, 3 Cylonder w/ Tach, Hour meter / Oil Sensor	Water Coo Tier 4	led 4-Cycle Diesel	Liquid Cooled, 4-Cy Temperature		
	Output (HP)		2	4		22.0	22.8	Consult Factory	Consult Factory	Consult	Factory	
	RPM	36	00	17	25	36	500	18	800	22	200	
	Fuel	Unleaded	Gasoline	Electric M	otor (115V)	Unleaded Gasoline			Diesel			
	Fuel Tank Capacity (US Gallon)	0	.5	N	/A	2	20	Consult Factory	Consult Factory	60	130	
	Continuous Run Time Per Tank (hr.)	:	2	N	/A	1	2	24+	24+	24+	30+	
	Starting Method	Recoil	Starter	Electric	c Motor		art, Battery not uded		Electric, 12V, Bat	tery not included		
DIN	Length (inches)	43	43	44	44	99	99	116 1/2	126 1/2	136 1/2	161 1/2	
IEN	Width (inches)	20	26	20	26	48	48	72 1/2	72 1/2	67	76 1/8	
DIMENSION	Height (inches)	23	23	23	23	60	60	77	77	67 7/8	79 13/16	
Z	Shipping Weight (lbs.)	160	175	165	185	1125	1250	Consult Factory	Consult Factory	Consult Factory	Consult Factory	

TSURUMI PUMP Portable Generators

TSURUMI TPG4 Series Generators are designed to withstand the severe conditions of construction jobsites or industrial applications, especially where extra durability and dependable, stable power are required. Ideal to supply the power to Tsurumi's single-phase submersible pumps and all your electrical power tools such as drills, saws, lighting and heaters.

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TPG4 Series Generators Features powered by Honda

- High Capacity Fuel Tank with Fuel Gauge for extended run time.
- · Large, Silent Muffler with USDA qualified spark arrestor to greatly reduce noise.

Optional Accessories - See page 29 & 31

PGWK-200X Wheel Kit & PGLB-1X Lifting Bail

Powered by Honda OHV engine for efficient fuel and oil construction with oil alert system to shut off motor if oil fails below safe operating level.

Large Air Filter for superior emission control.

Automatic Idle Control educes fuel consumption, noise, and engine wear.

Auto Idle Control Switch on Control Panel. (Not available on TPG4-3000HDX)

Rubber Vibration Pads isolate generator / engine set for maximum protection and noise reduction.

ISURUMI PORTABLE GENERATOR

TPG4 SERIES GENERATORS SPECIFICATIONS

See Page 29 & 31 for Generator Accessories



	TPG4-3000HDX	TPG4-4500HDX
Max. / Rated Output (watts)	2600 / 2200	4500 / 3600
Max. / Rated Current (120V / 240V)	23.3 / 18.3	37.5/30, 18.7/15
Voltage (V) (60Hz)	120	120 / 240
AC Outlet Replacement	1-NEMA 5-20R Duplex (20A, 12A, W/GFCI)	2-NEMA 5-20A Duplex (20A, 12A, W/GFCI) 1-NEMA L5-30R (30A, 120V, Twist Lock) 1-NEMA L14-30R (30A, 120/240V, Twist Lock)
Engine Model	GX160T2	GX240T2
Maximum HP	5.5 (3600RPM)	8.0 (3600RPM)
Displacement	163 (10inch ³)	242 (15inch ³)
Fuel Tank Capacity (gallon)	4.2	6.6
Running Time (Rated load)	12.1	12.5
Starting System	Recoil	Recoil
Noise Level (Rated Load)	64dB	68dB
Shipping Size (LxWxH) (inches)	24.4 x 19.5 x 20.5	27.6 x 23.4 x 22.6
Shipping Weight (lbs.)	110	161

	TPG4-6000HDX	TPG4-7000HDX TPG4-7000HDXE	
Max. / Rated Output (watts)	5500 / 4800	6800 / 6000	
Max. / Rated Current (120V / 240V)	45.8/40, 22.9/20	56.7/50, 28.3/25	
Voltage (V) (60Hz)	120 / 240	120 / 240	
AC Outlet Replacement	2-NEMA 5-20A Duplex (20A, 12A, W/GFCI) 1-NEMA L5-30R (30A, 120V, Twist Lock) 1-NEMA L14-30R (30A, 120/240V, Twist Lock)		
Engine Model	GX340T2	GX390T2	
Maximum HP	11.0 (3600RPM)	13.0 (3600RPM)	
Displacement	337 (21 inch ³)	389 (24inch ³)	
Fuel Tank Capacity (gallon)	6.6	6.6	
Running Time (Rated load)	8.5	7.6	
Starting System	Recoil	Recoil (HDX), Electric (HDXE)	
Noise Level (Rated Load)	72dB	78dB	
Shipping Size (LxWxH) (inches)	27.6 x 23.4 x 22.6	27.6 x 23.4 x 22.6	
Shipping Weight (lbs.)	183	192(HDX), 199(HDXE)	



TSURUMI PUMP Pump Accessories

Automatic Float Switch Model: TS-301/302/303/304, SLS-LSR32, SLS-LSC20



TS-Series (TS-301/302/303/304)

Piggy-back float switches allow fast & easy installation of Tsurumi submersible pumps for automated operation.

SLS-LSC20 / SLS-LSR32

The surface level switch is used to automate a utility/floor sucking pump. Set the Surface Level Switch on the floor and plug the power cord from the pump into the piggyback plug on the switch. Plug the piggy-back plug into a standard 120 VAC wall outlet (the unit will also work on GFI outlets).

Tether Length (in.)	Pumping Range (in.)
Terrier Lengri (in.)	Fumping hange (in.)
3.5	7
6	10
10	16
14	22
18	28
22	33
24	36

Note: Due to cable weight, pumping range above horizontal is NOT equal to pumping range below horizontal. As tether length increases, so does the variance of the pumping range. Pumping ranges are based on testing in non-turbulent conditions. Actual conditions may vary. Use these values as a guide.

	Pump Float Switch Model	Maximum Pump Running Current	Maximum Pump Starting Current	Required Nema Plug Configuration	For Pump Model(s)	Cord Length (ft.)
П	TS-301	13 amps / 120 VAC, 60Hz	85 amp / 120 VAC, 60Hz	5-15P	HS2.4S (110V) HSD2.55S (115V) LB-480 (110V)	30
	TS-302	15 amp / 120 VAC, 60Hz	85 amp / 120 VAC, 60Hz	5-15P	HS3.75S(115V) LB-800 (115V)	30
Pumping Range	TS-303	15 amp / 250 VAC, 60Hz	85 amp / 250 VAC, 60Hz	6-15P	HS2.4S (220V) HS3.75S (230V) LB-480 (220V) LB-800 (230V) LB-1500 (230V) NK2-15 (220V) NK3-22 (220V) NK3-22L (220V)	30
	TS-304	25 amp / 120 or 230 VAC, 60Hz	140 amp / 250 VAC, 60Hz	Hardwire to breaker box	NK2-15 (115V)	30
Automatic Float Switch	SLS-LSR32	13 amps / 120 VAC, 60Hz	85 amp / 120 VAC, 60Hz	5-15P	LSR2.4S	32
	SLS-LSC20	13 amps / 120 VAC, 60Hz	85 amp / 120 VAC, 60Hz	5-15P	LSC1.4S	20

Sand Kit Model: K15-SK / K22-SK

The Sand Kit can be added to the NK Series to suspend sand and prevent sand lock.



Residue Kit Model: HS-RK

Available for the HS2.4S, the Residue Kit allows pumping of residual water down to 0.4 inches.



Wheel Kit & Lifting Bail





Wheel Kit PGWK-200X for TPG4 Series Generator & Gas Engine Pumps

Lifting Bail PGLB-1X

PGWK-200X Wheel kit for TPG4 generators & TE/EPT/THP engine pumps

PGLB-1X Lifting bail for all TPG4 generators & TE/EPT/THP engine pumps*

*excluding TPG4-3000HDX

Heavy-duty and easy to install, our wheel kits and lifting bails fit all of Tsurumi Generators.

Control Panels



For NK, KTZ, LH, and LHW Series MANUAL CONTROL PANEL INCLUDES:

- Manual Simplex Operation
- Nema 4X, Lockable Fiberglass Enclosure
- IEC Contactor
- Hand/Off Selector Switch
- UL Listed
- Cable Grips In Control Panel

AUTOMATIC CONTROL PANEL INCLUDES:

- Automatic or Manual Simplex Operation
- Nema 4X, Lockable Fiberglass Enclosure
- IEC Rated Magnetic Contactor
- Hand/Off Auto Selector Switch
- UL Listed
- Includes (2) 20 Ft. Mechanical Float Switches
- Cable Grips In Control Panel

Inverter Panels are available for LHW and KTZ series Single Phase operation

TSURUMI PUMP Pump Accessories

Pump Accessories Guide - Electric Submersible Pumps

Electric Submersible Pumps

	Float Switch	Sand Kit	Residue Kit	2" Straight Discharge	3" Straight Discharge
MODEL	O	Sand Kit ONLY			
LB-480	TS-301				
LB-480A					
LB-800	TS-302				
LB-800A					
LB-1500	TS-303 (220V Only)			032-351-11	
HS2.4S	TS-301		HS-RK	032-214-11	
HSZ2.4S			HS-RK	032-214-11	
HS3.75S	TS-302			032-158-16	032-160-11
HSZ3.75S				032-158-16	032-160-11
HSD2.55S	TS-301			032-214-11	
NK2-15	TS-304 (115V) / TS-303 (220V)	K15-SK			
NK3-22	TS-303	K22-SK			
NK3-22L	TS-303	K22-SK			
LSR2.4S	SLS-LSR32				
LSC1.4S	SLS-LSC20			032-426-18	

Electric Submersible Pumps (continued)

	2" Discharge Hose NPT	2" Quick Disconnect 'A'	3" Discharge Hose NPT	3" Quick Disconnect 'A'
MODEL				
LB-480	Х	Х		
LB-480A	Х	Х		
LB-800	Х	Х		
LB-800A	Х	Х		
LB-1500*	Х	Х	Х	Х
HS2.4S	Х	Х		
HSZ2.4S	Х	Х		
HS3.75S			Х	Х
HSZ3.75S			Х	Х
HSD2.55S	Х	Х		
NK2-15			Х	Х
NK3-22			Х	Х
NK3-22L			Х	Х
LSR2.4S	Х	Х		
LSC1.4S				

* Standard discharge size is 2". 3" is optional.

Pump Accessories Guide - Portable Generators

Portable Generators

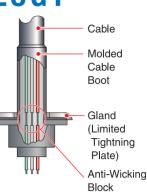
	Wheel Kit	Lifting Bail		
	PGWK-200X	PGLB-1X		
MODEL	Wheel kit ONLY	Lifting Bail ONLY		
TPG4-3000HDX	Х			
TPG4-4500HDX	Х	Х		
TPG4-6000HDX	Х	Х		
TPG4-7000HDX	Х	Х		
TPG4-7000HDXE	Х	Х		

Heavy-duty and easy to install, our wheel kits and lifting bails fit all of Tsurumi Generators.

SUPERIOR DESIGN & TECHNOLOGY

Anti-Wicking Cable Entrance: Maximum protection against water incursion through the cable entry.

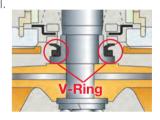
- Molded Cable Boot or Cable Protection Tube extends cable bending radius, prevents abrading, and reduces fatigue.
- Cable Gland provides 360 degree compression of cable boot, protection tube or cable bush for a water tight fit.
- Anti-Wicking Block window cuts on conductor insulation expose strands to molded rubber or epoxy to prove water wicking through the strands and entering the motor providing protection even if the cable insulation is cut.





Circle Thermal Protector (CTP) - for pumps with 1-10HP: 3-Pole protector connects to each winding of the motor and reacts to excessive heat and amperage. Automatic reset at safe temperature to restart the motor. No motor protection circuit required in starter or control panel.

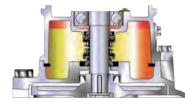
V-Ring: V-Ring is mounted at the top of the impeller and is brought in close contact to the bottom of the mechanical seal by the internal pressure of the pump casing. This V-Ring acts as a dust seal to prevent fine abrasive particles in the pumping fluid from reaching the mechanical seal.





High-Performance Motor:

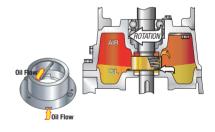
Dry type, squirrel-cage, induction motor, housed in a watertight casing, conforms to either insulation class B or E, or F. In both of these classes, all standard pumps can be used in ambient temperature up to 104°F (40°C).



Dual Inside, Silicon Carbide Mechanical Seals:

Isolation of mechanical seals in an oil chamber provides a clean, non-corrosive and abrasion free lubricating environment to prevent spring failure due to corrosion or abrasion and bottom seal failure due to loss of cooling during dry-run conditions.

Oil Lifter (Patented): Tsurumi's exclusive Oil Lifter encloses the mechanical seal and uses the centrifugal force generated by the rotating shaft and seal to pump oil to the upper seal faces. Upper and lower seal faces are positively lubricated even when extremely low oil levels exist, as experienced after long periods of extended operation.





Industrial & Safety Supplies

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