



TSURUMI PUMP®

BUILT FOR WORK®

CONTRACTOR PUMPS | ENGINE PUMPS | GENERATORS

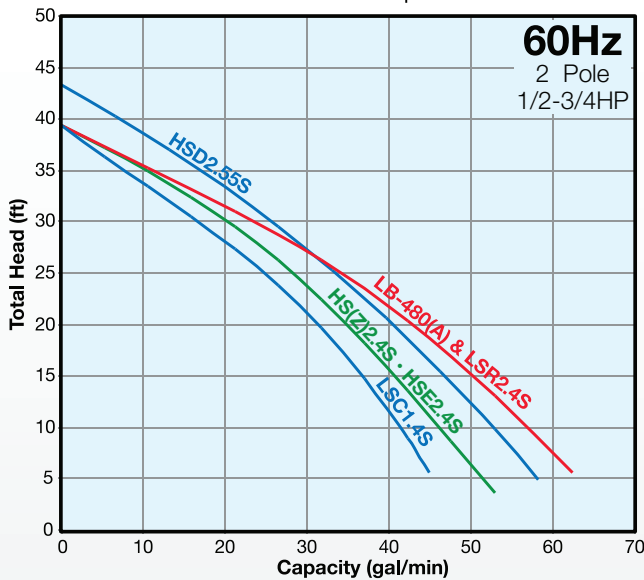


GROUP PERFORMANCE RANGE

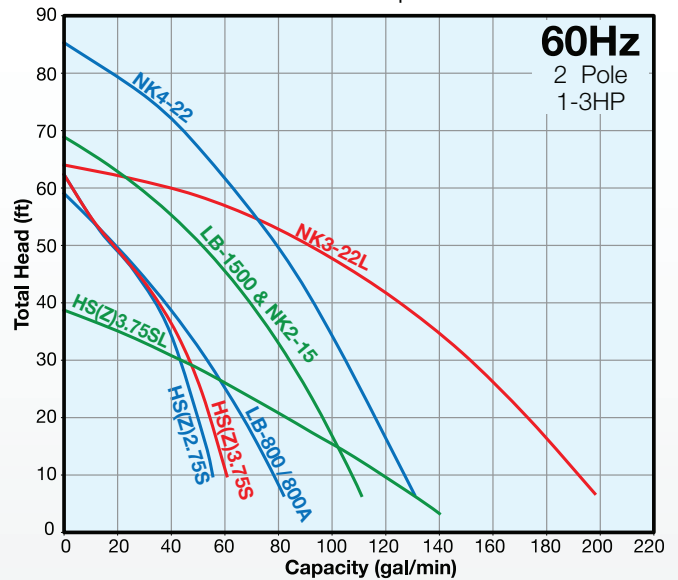
Reliable and cost-effective pumps enable Tsurumi to remain an industry leader in the rental and construction markets. Our customers know that while many pumps may look the same, only Tsurumi incorporates the most durable components into the final manufactured product.

GROUP PERFORMANCE RANGE ELECTRIC SUBMERSIBLE PUMPS

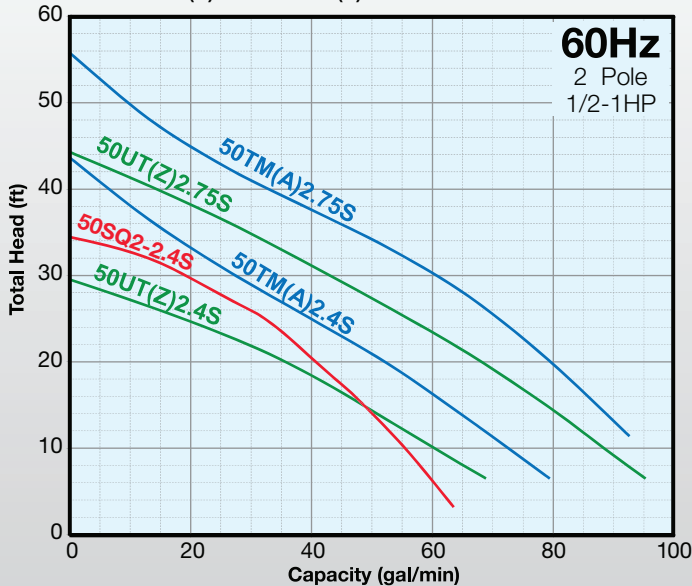
Electric Submersible Pumps: Under 1HP



Electric Submersible Pumps: 1HP or more



TM(A) Series • UT(Z) Series • 50SQ2-2.4S



ENGINE DRIVEN PUMPS CENTRIFUGAL PUMP • TRASH PUMP • TRAILER MOUNTED

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.

High chrome impeller, cast iron volute casing with stainless steel wear plate provides **increased durability and decreased maintenance** (Trash pumps only).

Durable Rolled-Steel frame provides for a safe, stable platform, **protects pump/engine during operation and transport**, and allows for easy handling.

Silicon Carbide mechanical seal provides **longer life**. Silicon Carbide's high uniform hardness and high density makes it an extremely abrasion resistant material.

Heavy-duty Honda gas engine **delivers high power** from a compact, reliable design.

Rubber Vibration Isolators **ensure safe and stable operation**, reduce vibration of structural parts and support the pump casing to reduce hose or pipe strain.

Oil Alert System **automatically shuts the engine down** if the oil level falls below the safe operating level.



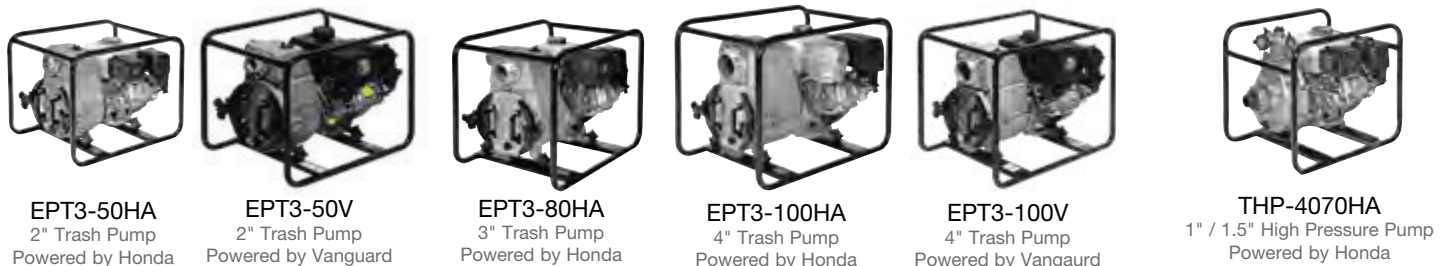
(EPT Series Trash Pump)

TE SERIES GAS ENGINE CENTRIFUGAL PUMPS



EPT SERIES GAS ENGINE TRASH PUMPS

THP HIGH PRESSURE PUMP



EPT SERIES - GAS ENGINE TRASH PUMP POWERED BY HONDA

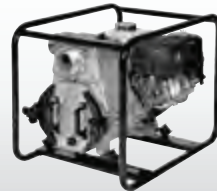
Tsurumi EPT Series centrifugal pumps are powerful & lightweight pumps powered by heavy-duty **Honda and Vanguard engines**. Available in 1", 2", 3" and 4" NPT coupling suction sizes.



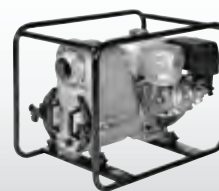
EPT3-50HA



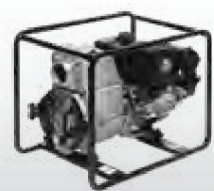
EPT3-50V



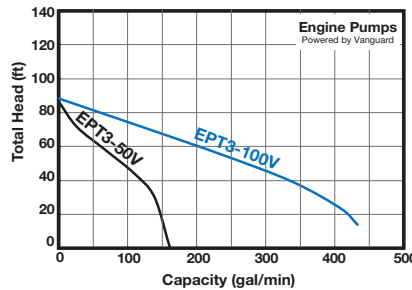
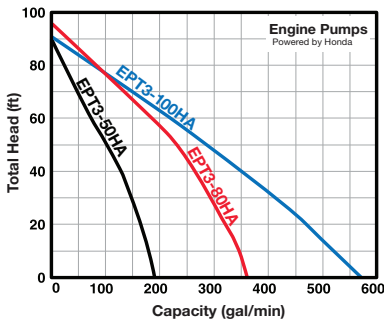
EPT3-80HA



EPT3-100HA



EPT3-100V



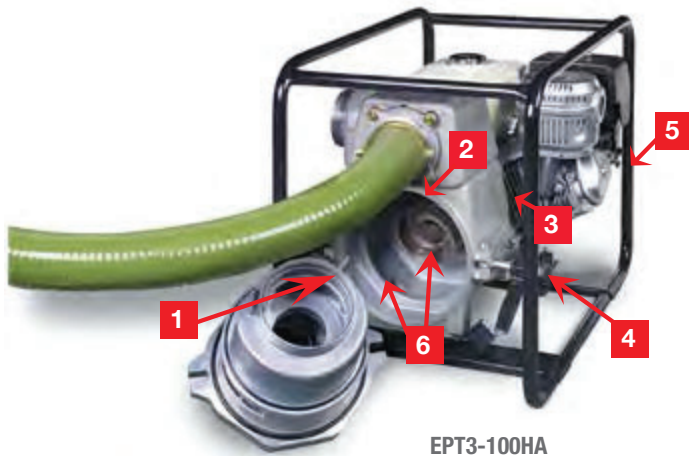
EPT Series Features

- Heavy-duty Honda gas engine with oil sensor delivers high power from a compact, reliable design. Silicon Carbide mechanical seal provides longer life
- 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
- Wheel Kit for easy transportation available with all trash pumps as an optional accessory

Optional Accessories - See page 24-27

Hose Kit, Hoses, Hose accessories, Wheel Kit

Tsurumi EPT Series Engine Trash Pump



EPT3-100HA

- 1 The clean-out door can be disassembled easily without taking off suction hose.
- 2 Designed with larger pump casing.
- 3 Heavy-duty Honda gas engine.
- 4 Mounted to cage frame on Rubber Vibration Cushions.
- 5 Durable rolled-steel frame.
- 6 High Chrome impeller, cast Iron volute casing, stainless steel wear plate

Model	Discharge / Suction Size	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
EPT3-50HA	2" NPT Coupling	Honda GX-160	5.5 / 3600	23 1/4	18 1/4	17 3/8	92
EPT3-50V	2" NPT Coupling	Vanguard 160	5.0 / 3600	23 5/8	17 1/8	17 5/8	88
EPT3-80HA	3" NPT Coupling	Honda GX-240	8.0 / 3600	27 1/2	20 1/8	25 5/8	140
EPT3-100HA	4" NPT Coupling	Honda GX-340	14.0 / 3600	30 1/8	20 1/8	26	157
EPT3-100V	4" NPT Coupling	Vanguard 400	11.0 / 3600	28 15/16	20 1/4	22 3/8	157

EPT5 MOUNTED TRASH PUMP

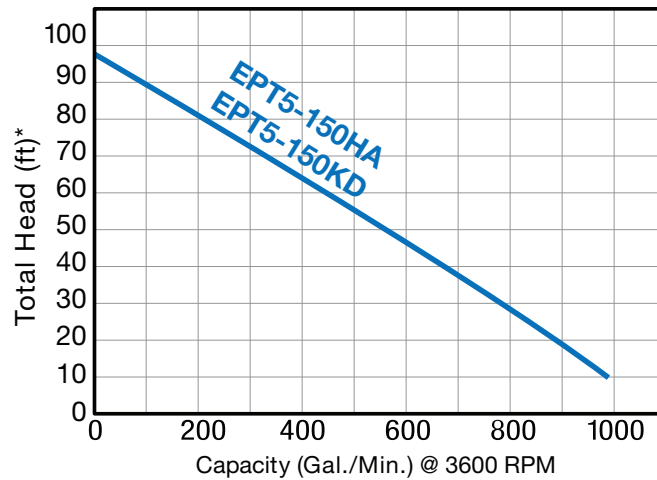
Industrial duty 6-inch trash pump: Powered by Honda gas engine / Kohler diesel engine.



EPT5-150HA (Honda Gas Engine)

EPT5-150KD (Diesel Engine) Trash Pump Features

- Cast Aluminum Casing and Adapter
- Cast Iron Wear Plate, Volute and Manifold
- Stainless Steel Impeller
- Silicon Carbide Mechanical Seal and Buna O-Rings and Flapper / Check Valve
- 6" NPT Port Size
- Self Priming to 20ft
- Available with Honda GX670 Gas Engine or a Diesel Engine (Final Tier 4)
- Solids Handling to 3" Diameter
- Unique Slide Mechanism permits complete service of pump without removing hoses or removing pump components from trailer
- Includes Seal Wash Feature for extended seal life
- 12 VDC Electric Start; Digital Tachometer / hourmeter included
- D.O.T. Approved Trailer - See your state and local codes for registration



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

Model	Discharge Suction Size (inches)	Engine Type	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
					Length	Width	Height	
EPT5-150HA	6" NPT Coupling	Unleaded Gasoline	Honda GX-670	24.0 / 3600	99	48	60	1125
EPT5-150KD	6" NPT Coupling	Diesel	Call for more Info	23.4 / 3600	99	48	60	1250

SPECIFICATIONS - ENGINE PUMPS: TE • EPT

	TE2-25H 1" Dewatering Pump	TE3-50HA 2" Dewatering Pump	TE3-50V 2" Dewatering Pump	TE3-80HA 3" Dewatering Pump	TE3-80V 3" Dewatering Pump	TE2-100HA 4" Dewatering Pump	EPT3-50HA 2" Trash Pump	EPT3-50V 2" Trash Pump	EPT3-80HA 3" Trash Pump	EPT3-100HA 4" Trash Pump	EPT3-100V 4" Trash Pump	
FLUID	Max. Capacity (GPM)	34	137	137	264	264	476	185	185	357	569	476
	Max. Capacity (GPH)	2040	8200	8220	15840		28560	11100		21420	34140	28560
	Max. Head (ft)	115	105	92	105		92				95	92
	Max. Solid Diameter (in.)	0.197	0.217					0.787		1.22		
PUMP	Impeller Type	Semi-Open										
	Impeller Material	Cast Iron						High Chrome Casting				
	Volute Casing Material	Cast Iron										
	Wear Plate Material	Integral Part of Volute						Stainless Steel				
	Pump Casing Material	Die Cast Aluminum						Cast Aluminum				
	Shaft Seal - Type / Material	Silicon Carbide Mechanical Seal										
	Seal Lubricant - Type	Water										
	Discharge Connection	1" NPSH Coupling	2" NPT Coupling	2" NPT Coupling	3" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	4" NPT Coupling
	Suction Connection	1" NPSH Coupling	2" NPT Coupling	2" NPT Coupling	3" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	4" NPT Coupling
	ENGINE	Brand	Honda		Vanguard	Honda	Vanguard	Honda		Vanguard	Honda	
Model		GX-25	GX-120	160	GX-160	160	GX-240	GX-160	160	GX-240	GX-340	400
Type		Air-Cooled 4-Cylinder w/ Oil Sensor		Air-Cooled Single Cylinder w/ Oil Sensor	Air-Cooled 4-Cylinder with Oil Sensor	Air-Cooled Single Cylinder w/ Oil Sensor	Air-Cooled 4-Cylinder w/ Oil Sensor		Air-Cooled Single Cylinder w/ Oil Sensor	Air-Cooled 4-Cylinder w/ Oil Sensor		Air-Cooled Single Cylinder w/ Oil Sensor
Output (HP)		1.1	4	5	5.5	5	8	5.5	5	8	11	14
RPM		2220	3600									
Fuel		Unleaded Gasoline										
Fuel Tank Capacity (US Gallon)		0.15	0.66	0.82	0.95	0.82	1.59	0.95	0.82	1.6	1.7	1.61
Continuous Run Time Per Tank (hr.)		1.21	3	1.5	3.3	1.4	3.2	3.3	1.4	3.2	2.6	1.1
Starting Method	Recoil Starter											
DIMENSION	Length (inches)	9	18 1/2	19 15/16	20 1/2	19 15/16	25	23 1/4	23 5/8	27 1/2	30 1/8	28 15/16
	Width (inches)	14	14 5/8	15 11/16	16 1/2	15 11/16	18	18 1/4	17 1/8	20 1/8	20 1/8	20 1/4
	Height (inches)	13	17 1/8	17 15/16	18 1/8	17 15/16	23 1/2	17 3/8	17 5/8	25 5/8	26	22 3/8
	Shipping Weight (lbs.)	16	54	62	64	64	109	92	88	140	157	157

SPECIFICATIONS - ENGINE PUMPS: THP • TD(E) • EPT5-150

	T P- 0 0 High Pressure Pump	TD - 00 2" Diaphragm Pump	TD -300 3" Diaphragm Pump	TDE - 00 2" lectric Diaphragm Pump	TDE -300 3" lectric Diaphragm Pump	EPT5-150 6" Trash Pump	EPT5-150 D 6" Trash Pump		
FLUID	Max. Capacity (GPM)	100	50	88	33	59	1000		
	Max. Capacity (GPH)	6000	3000	5280	1980	3540	60000		
	Max. Head (ft)	230	25				98	98	
	Max. Solid Diameter (in.)	0.197	1 1/2	1 5/8	1 1/2	1 5/8	3		
PUMP	Impeller Type	Closed	Diaphragm				Semi-Open		
	Impeller (Diaphragm) Material	Aluminum	TP				Stainless Steel		
	Volute Casing Material	Cast Iron	N/A				Cast Aluminum		
	Wear Plate Material	Integral Part of Volute	N/A				Cast Iron		
	Pump Casing Material	Cast Aluminum	Sand Cast Aluminum				Aluminum		
	Shaft Seal - Type / Material	Silicon Carbide Mechanical Seal	N/A				Silicon Carbide / Buna		
	Seal Lubricant - Type	Water	N/A				Water		
	Discharge Connection	1x2" 1.5"x1 NPSH Coupling	2" NPT Coupling	3" NPT Coupling	2" NPT Coupling	3" NPT Coupling	6" NPT Coupling	6" NPT Coupling	
	Suction Connection	1.5" NPSH Coupling	2" NPT Coupling	3" NPT Coupling	2" NPT Coupling	3" NPT Coupling	6" NPT Coupling	6" NPT Coupling	
ENGINE	Brand	Honda			N/A		Honda	Call for Information	
	Model	GX-160	GX-120		N/A		GX-670		
	Type	Air-Cooled 4-Cylinder with Oil Sensor			N/A		Air-Cooled V-Twin w/ Oil Sensor	Li uid Cooled 4-Cycle 3 Cylinder w/ Tach Hour Meter / Oil Sensor	
	Output (HP)	5.5	4					24	23.4
	RPM	3600			1725		3600		
	Fuel	Unleaded Gasoline			lectric Motor (115V)		Unleaded Gasoline	Diesel	
	Fuel Tank Capacity (US Gallon)	0.95	0.5		Amperage 15.9 (115V) 8 (230V)		20		
	Continuous Run Time Per Tank (hr.)	3.3	2	3	N/A		12		
Starting Method	Recoil Starter			N/A		12V lectric Start (Battery not included)			
DIMENSION	Length (inches)	21	43	43	44	44	99	99	
	Width (inches)	16	20	26	20	26	48	48	
	Height (inches)	18	23	23	23	23	60	60	
	Shipping Weight (lbs.)	62	165	175	175	185	1125	1250	

PUMP ACCESSORIES for Electric Submersible Pumps, Engine Pumps & Portable Generators

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

See Page 30-31 for more details



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

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

TS301/TS302: NEMA 5-15P plug; 30'
TS303: NEMA 6-15P plug; 30'



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).



Hoses

See Page 26-27 for more details

Hose Kit



Hose Kit with NPT



Hose Kit with Quick Connect

Discharge Hose



NPT



Quick Connect

Other Hoses



Mill Hose



Suction Hose

Suction Hose



NPT



Quick Connect

Hose Accessories



Hose Nozzle



Quick Connect 'A'



Quick Connect 'F'

PUMP ACCESSORIES for Electric Submersible Pumps, Engine Pumps & Portable Generators

Sand Kit

Model: K15-SK / K22-SK

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



K15-SK
for NK2-15



K22-SK
for NK4-22

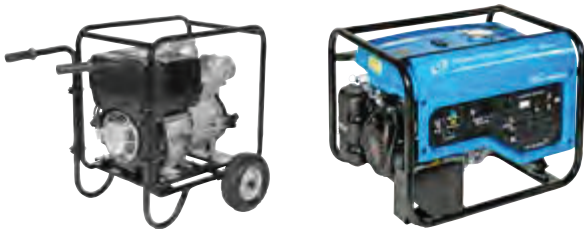
Residue Kit

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-HX
for TPG4 Series Generator & Gas Engine Pumps



Lifting Bail
1560179500

Heavy-duty and easy to install our wheel kits, and lifting bails fit Tsurumi engine pumps & generators.

Wheel Kit (PGWK-HX)

for TPG4 generators & TE/EPT/THP engine pumps






Lifting Bail (1560179500)

for all TPG4 generators & TE/EPT/THP engine pumps*







*excluding TPG4-3000HDX

PUMP ACCESSORIES GUIDE for Electric Submersible Pumps

Electric Submersible Pumps

	Float Switch	Sand Kit	Residue Kit	2" Straight Discharge	3" Straight Discharge
MODEL					
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	
HSE2.4S			HS-RK	032-214-11	
HS2.75S	TS-302				032-160-11
HSZ2.75S					032-160-11
HS3.75S	TS-302			032-158-16	032-160-11
HSZ3.75S				032-158-16	032-160-11
HS3.75SL	TS-302			032-158-16	032-160-11
HSZ3.75SL				032-158-16	032-160-11
HSD2.55S	TS-301			032-214-11	
NK2-15	TS-304 (115V)/TS-303 (220V)	K15-SK			
NK4-22	TS-303	K22-SK			
NK3-22L	TS-303				
LSR2.4S	SLS-LSR32				
LSC1.4S	SLS-LSC20			032-426-18	

Electric Submersible Pumps (continued)

	2" Discharge Hose NPT	2" Discharge Hose Quick Connect	2" Quick Disconnect 'A'	3" Discharge Hose NPT	3" Discharge Hose Quick Connect	3" Quick Disconnect 'A'
MODEL						
	XXHS2D	XHD2QC50	G200-A-AL	XXHS3D	XHD3QC50	G300-A-AL
LB-480	X	X	X			
LB-480A	X	X	X			
LB-800	X	X	X			
LB-800A	X	X	X			
LB-1500*	X	X	X	X	X	X
HS2.4S	X	X	X			
HSZ2.4S	X	X	X			
HSE2.4S	X	X	X			
HS2.75S	X	X	X			
HSZ2.75S	X	X	X			
HS3.75S				X	X	X
HSZ3.75S				X	X	X
HS3.75SL				X	X	X
HSZ3.75SL				X	X	X
HSD2.55S	X	X	X			
NK2-15				X	X	X
NK4-22				X	X	X
NK3-22L				X	X	X
LSR2.4S	X	X	X			
LSC1.4S						

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

PUMP ACCESSORIES GUIDE for Engine Pumps & Portable Generators

Engine Driven Pumps: Discharge Size 1" and 1 1/2"

	Wheel Kit	Lifting Bail	1" Mill Hose	1" Suction Hose NPT	1.5" Mill Hose	1.5" Suction Hose NPT	1" Lexan Nozzle	1.5" Lexan Nozzle
MODEL	PGWK-HX Wheel kit ONLY 	1560179500 Lifting Bail ONLY 	XHM1N50 	XHS1N20 	XHM15N50 	XHS15N20 	XHLN1N20 	XHLN15N20
TE2-25H			X	X				
THP-4070HA	X	X	X		X	X	X	X

Engine Driven Pumps: Discharge Size 2", 3", and 4"

	Strainer	Wheel Kit	Lifting Bail	2" Hose Kit NPT	2" Hose Kit Quick	2" Dis. Hose NPT 50'	2" Dis. Hose Quick 50'	2" Suc. Hose NPT 20'	2" Suc. Hose Quick 20'	2" Quick Disconnect 'A'	3" Hose Kit NPT	3" Hose kit Quick
MODEL		PGWK-HX Wheel kit ONLY 	1560179500 Lifting Bail ONLY 	XHK2RNPT 	XHK2RQC 	XXHS2D 	XHD2QC50 	XXHS2S 	XHS2QC20 	G200-A-AL 	XHK3RNPT 	XHK3RQC
TE3-50HA / -50V	Z047		X	X	X	X	X	X	X	X		
TE3-80HA / -80V	Z048	X	X								X	X
TE2-100HA	Z055	X	X									
EPT3-50HA / -50V	Z049	X	X	X	X	X	X	X	X	X	X	X
EPT3-80HA	Z050	X	X									
EPT3-100HA / -100V	Z051	X	X									
TD(E)6-200	Included			X	X	X	X	X	X	X		
TD(E)6-300	Included										X	X

Engine Driven Pumps: Discharge Size 2", 3", and 4" (Continued)

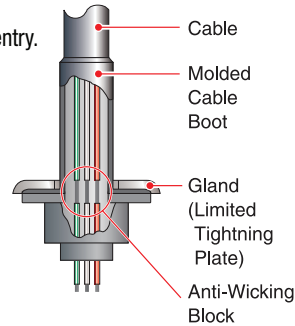
	3" Dis. Hose NPT 50'	3" Dis. Hose Quick 50'	3" Suc. Hose NPT 20'	3" Suc. Hose Quick 20'	3" Quick Disconnect 'A'	4" Hose Kit NPT	4" Hose kit Quick	4" Dis. Hose NPT 50'	4" Dis. Hose Quick 50'	4" Suc. Hose NPT 20'	4" Suc. Hose Quick 20'	4" Quick Disconnect 'A'
MODEL	XXHS3D 	XHD3QC50 	XXHS3S 	XHS3QC20 	G300-A-AL 	XHK4RNPT 	XHK4RQC 	XXHS4D 	XHD4QC50 	XXHS4S 	XHS4QC20 	G400-A-AL
TE3-50HA / -50V												
TE3-80HA / -80V	X	X	X	X	X							
TE2-100HA						X	X	X	X	X	X	X
EPT3-50HA / -50V												
EPT3-80HA	X	X	X	X	X							
EPT3-100HA / -100V						X	X	X	X	X	X	X
TD(E)6-200												
TD(E)6-300	X	X	X	X	X							

Portable Generators

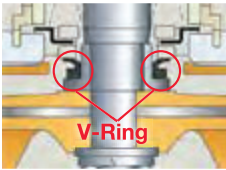
	Wheel Kit	Lifting Bail
MODEL	PGWK-HX Wheel kit ONLY 	15601795000 Lifting Bail ONLY
TPG4-3000HDX	X	
TPG4-3400HDX	X	
TPG4-4500HDX	X	X
TPG4-6000HDX	X	X
TPG4-7000HDX	X	X
TPG4-7000HDXE	X	X
TPG4-7500HDX	X	X
TPG4-7500HDXE	X	X

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.



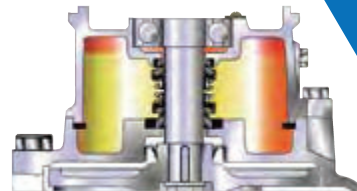
V-Ring: V-Ring is mounted at the top of the impeller and is brought in close contact to the bottom of the mechanical seal by the internal pressure of the pump casing. This V-Ring acts as a dust seal to prevent fine abrasive particles in the pumping fluid from reaching the mechanical seal.



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: Tsurumi's 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.

