



CONTRACTOR PUMPS & GENERATORS
BUILT FOR WORK

Electric Submersible Pumps • Engine Driven Pumps • Generators • Accessories



www.tsurumipump.com

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.

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

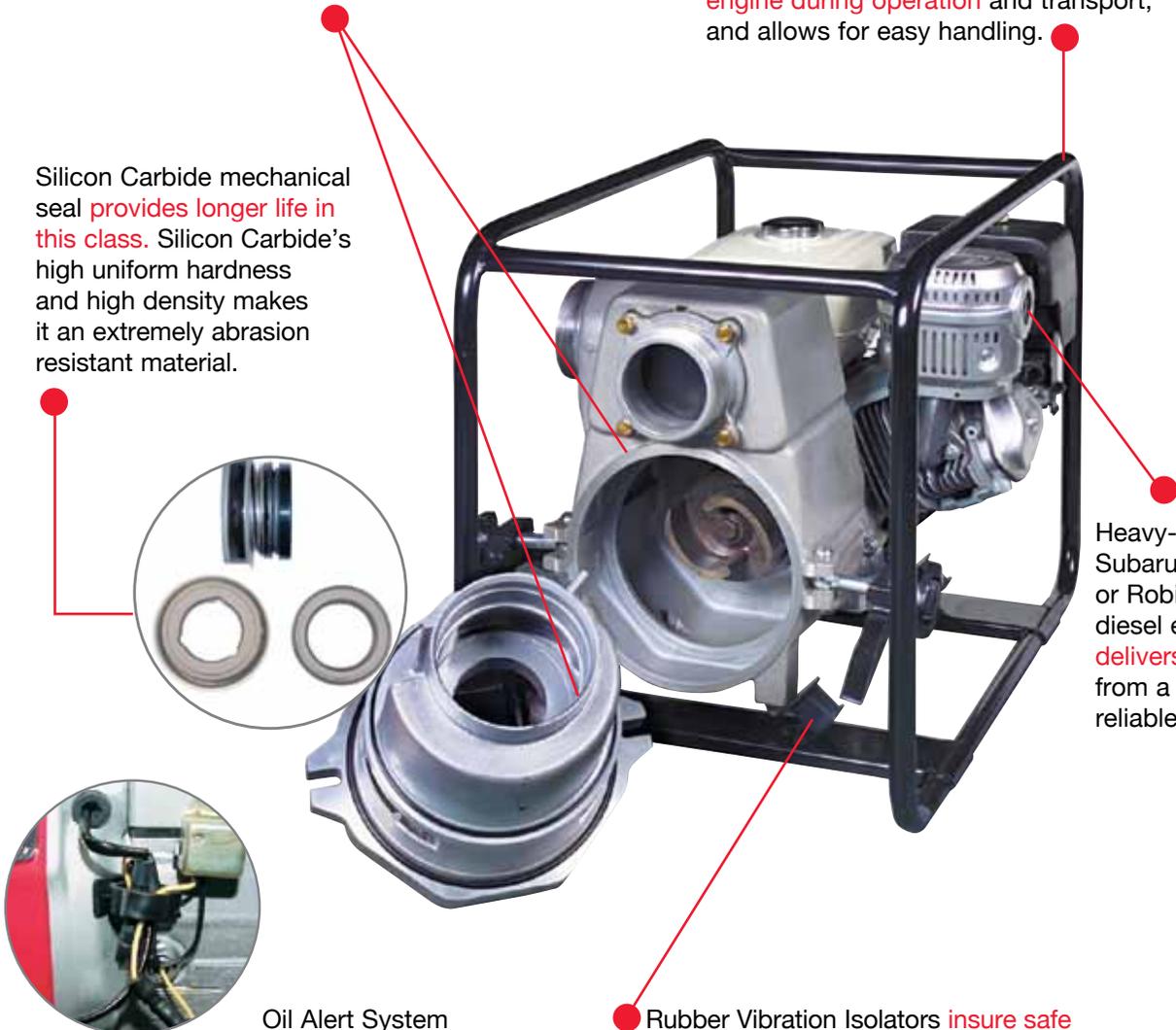
Durable Rolled-Steel frame provides for a safe, stable platform, **protects pump/engine during operation** and transport, and allows for easy handling.

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

Heavy-duty Honda, Subaru gas engine, or Robin Hatz diesel engine **delivers high power** from a compact, reliable design.

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

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



Engine Powered Pumps

TE SERIES CENTRIFUGAL PUMPS

Powerful, Lightweight Pumps

Powered by heavy-duty, powerful **Honda GX series gas engines (TE-HA)**, or **Subaru EX Series gas engines (TE-RX)**.

TE2/TE3-HA Gas Engine Centrifugal Pumps *Powered by Honda*

- 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 UPS shipment.

TE5-RX Gas Engine Centrifugal Pumps *Powered by Subaru*

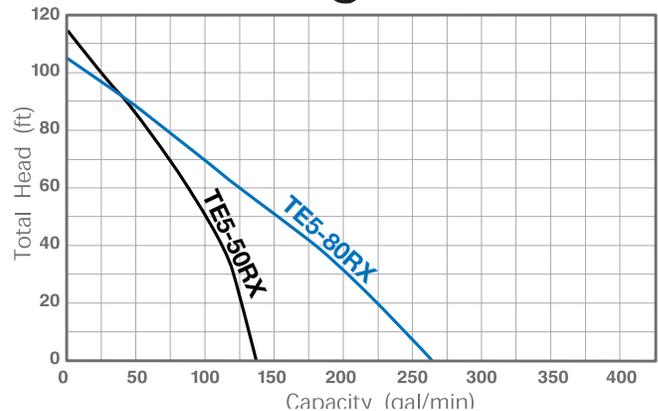
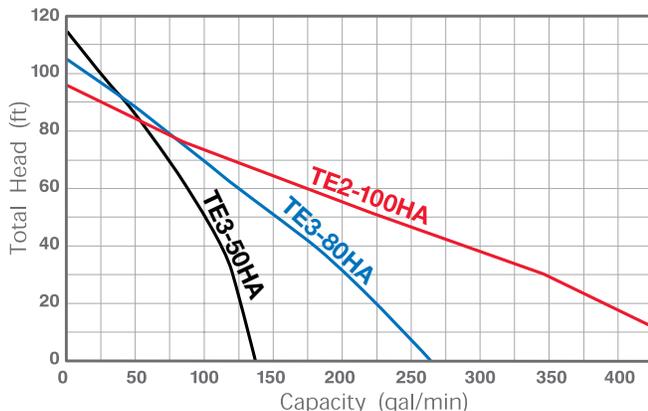
- Silicon Carbide mechanical seal provides the longest life in this class.
- Two inch economical high performance centrifugal engine pump.
- Extremely silent. Subaru EX Engine is two dBA quieter than competitive models.
- Easy and reliable starting. 30-40% less pulling force than competitive models.
- Rubber mounts on the pump and the frame.
- Low emission level and high capacity Air Cleaner.
- Heavy Duty Chain Drive OHC System.



Honda TE3-100HA



Subaru TE5-80RX



Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
TE3-50HA	2 NPT male	Honda GX120	4.0 / 3600	18 1/2	14 5/8	17 1/8	55
TE3-80HA	3 NPT male	Honda GX160	5.5 / 3600	20 1/2	16 1/2	18 7/8	64
TE2-100HA	4 NPT male	Honda GX240	8.0 / 3600	25	18	23 1/2	109
TE5-50RX	2 NPT male	Subaru EX16	4.5 / 4000	20 1/2	16 1/2	18 7/8	60
TE5-80RX	3 NPT male	Subaru EX17	6.0 / 4000	20 1/2	16 1/2	18 7/8	64

Engine Powered Pumps

TE2-25HA CENTRIFUGAL PUMP

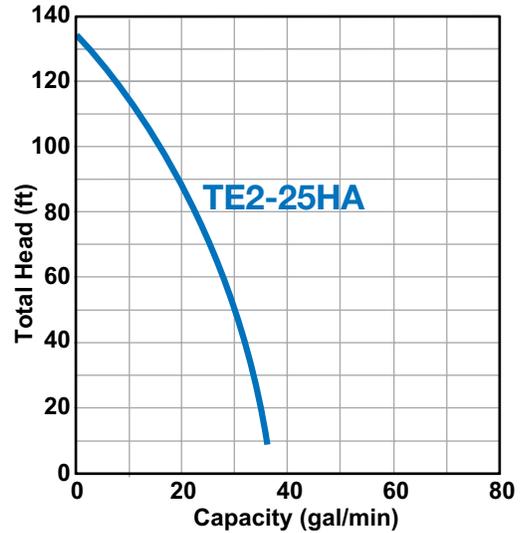
Compact and Lightweight

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.

TE2-25HA Centrifugal Pumps Powered by Honda



- 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.



Model	Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
TE2-25HA	1 Dewatering	Honda GX25	1.1 / 2220	9	14	13	12

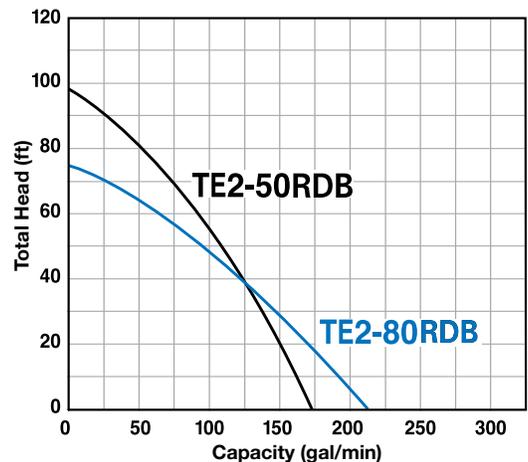
TE2-RDB CENTRIFUGAL PUMPS

Lightweight dependable dewatering pumps powered by Robin Hatz diesel Engine.

TE2-RDB Centrifugal Pumps Powered by Robin Hatz



- Heavy-duty Robin Hatz Diesel Engine
- Low emission level for cleaner environment
- Silicon carbide mechanical seals
- Cast iron volute casting
- Durable rolled-steel frame

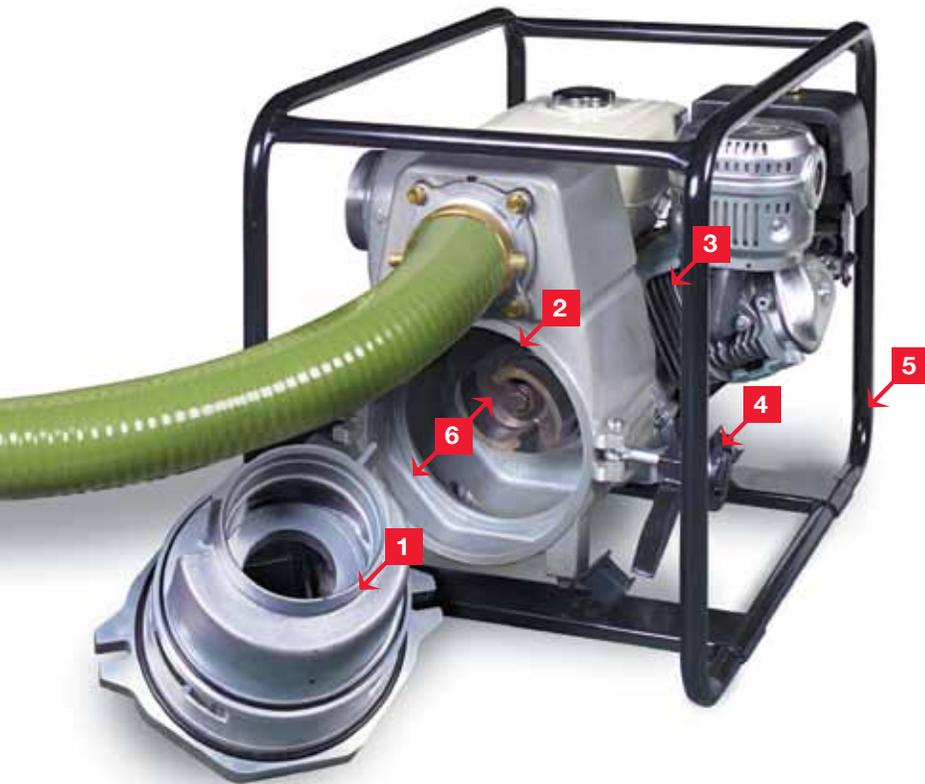


Model	Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
TE2-50RDB	2 NPT male	Robin Hatz 1B20	4.9 / 10320	24 13/16	17 15/16	22 1/4	95
TE2-80RDB	3 NPT male	Robin Hatz 1B30	4.9 / 12720	24 13/16	17 15/16	22 1/4	97

Engine Powered Pumps

EPT SERIES GAS ENGINE TRASH PUMPS

Powerful Trash Handling Pumps of Highest Quality



- 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, and galvanized Steel hose couplings.



Engine Driven Trash Pump
powered by Honda
EPT3-50HA



Engine Driven Trash Pump
powered by Subaru
EPT3-80RX



Engine Driven Trash Pump
powered by Robin Hatz
EPT2-100RDB

Engine Powered Pumps

EPT3 SERIES ENGINE TRASH PUMPS

We have redesigned our portable trash pump series by increasing the size of the pump casing. Plus, we have installed an access door to the impeller that can be take off the volute casing without you having to remove the suction hose. **Powered by quality, dependable Honda and Subaru gas engines.**

EPT3-HA Gas Engine Trash Pumps *Powered by Honda*

- 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.



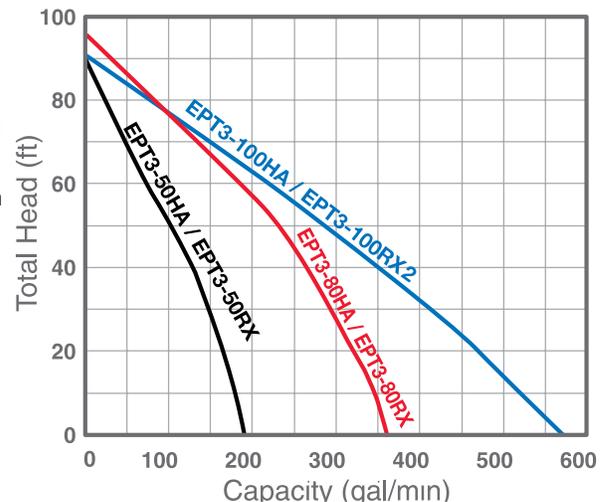
Honda
EPT3-50HA



Subaru
EPT3-50RX

EPT3-RX Gas Engine Trash Pumps *Powered by Subaru*

- Extremely Silent. Subaru EX gas Engine is two dB quieter than competitive models.
- Low emission level for cleaner environment.
- High capacity Air Cleaner.
- Heavy Duty Chain Drive OHC System.
- Easy and reliable starting. 30-40% less pulling force than competitive models.
- High Chrome impeller, Cast Iron volute casing plus Stainless Steel wear plate promises 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.



Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
EPT3-50HA	2 NPT male	Honda GX160	5.5 / 3600	23 1/4	18 1/4	17 3/8	82
EPT3-80HA	3 NPT male	Honda GX240	8.0 / 3600	27 1/2	20 1/8	25 5/8	136
EPT3-100HA	4 NPT male	Honda GX340	11.0 / 3600	30 1/8	20 1/8	26	160
EPT3-50RX	2 NPT male	Subaru EX17	6.0 / 4000	23 1/4	18 1/4	17 3/8	82
EPT3-80RX	3 NPT male	Subaru EX27	7.0 / 4000	27 1/2	20 1/8	25 5/8	136
EPT3-100RX2	4 NPT male	Subaru EX36	11.5 / 4000	30 1/8	20 1/8	26	160

Engine Powered Pumps

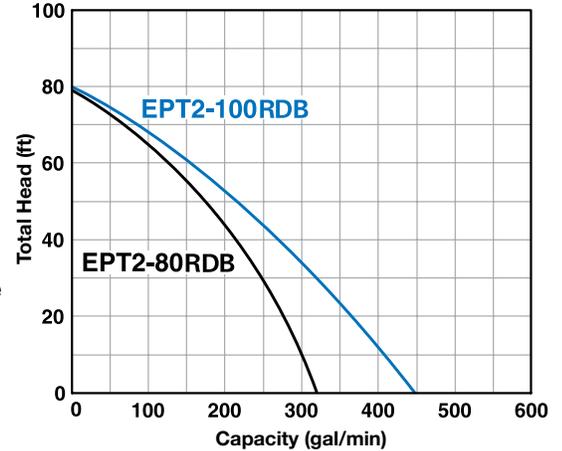
EPT2-RDB DIESEL ENGINE PUMPS

Powered by quality, dependable Robin Hatz Diesel engine. Built with the highest quality components for use on your toughest dewatering jobs.

EPT2-RDB Diesel Engine Trash Pumps Powered by Robin Hatz



- Heavy-duty Robin Hatz Diesel Engine
- Low emission level for cleaner environment
- Silicon carbide mechanical seals
- Extremely quiet
- High capacity Air Cleaner
- Easy and reliable starting
- High chrome impeller
- Cast iron volute casting plus stainless steel wear plate
- Pump / engine set mounted to cage frame on rubber vibration cushions
- Durable rolled-steel frame
- Galvanized steel hose couplings



Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
EPT2-80RDB	3 NPT male	Robin Hatz 1B30	6.8 / 3600	26	19	24	128
EPT2-100RDB	4 NPT male	Robin Hatz 1B40	9.9 / 3600	26	19	26	193

THP HIGH PRESSURE PUMP

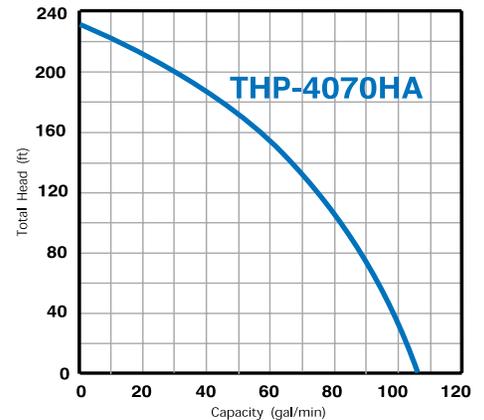
High Pressure and High Performance

A pump for sprinkling, irrigation and fire protection.

THP-4070-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 / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
THP-4070HA	1-1/2 NPT male	Honda GX160	5.5 / 3600	21	16	18	62

Engine Powered Pumps

TD5 DIAPHRAGM PUMPS

Powerful Sand, Mud and Sludge Handling Pumps

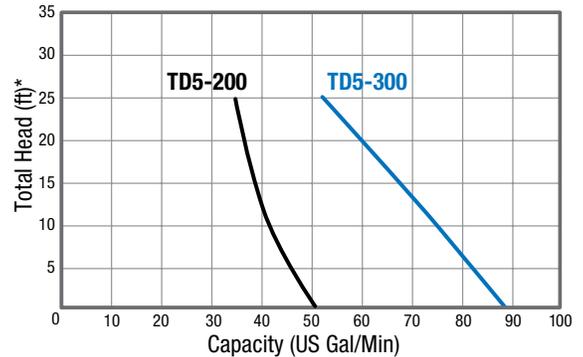
Capable of continuous dry operation for seepage dewatering. Handles sand, mud and sludge.



TD5 Diaphragm Pumps Features

- 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
- Engine Driven Model: Honda GX120
- Delivers up to 90 GPM
- Maximum Temperature 180°F

90°rotatable base on both models



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

Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
TD5-200	2	Honda GX120	4.0 / 3600	39	26	23	167
TD5-300	3	Honda GX120	4.0 / 3600	42	30	22	175

EPT4-150 HEAVY DUTY TRASH PUMP

Heavy Duty Prime Assisted & Sound Attenuated Priming Assisted Trash Pump



Priming Assisted: EPT4-150DPJD

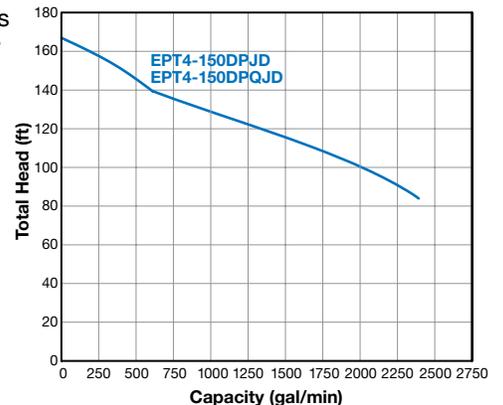


Sound Attenuated Priming Assisted: EPT4-150DPQJD

EPT4-150DPJD / EPT4-150DPQJD Features

powered by John Deere

- Vacuum assisted pump that primes and re-primed by use of a compressor running high pressure air across a venturi which creates a vacuum
- Heavy-duty John Deere diesel engine, water cooled, Model 4045TF280
- 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



Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
EPT4-150DPJD	6 Ansi Flange	John Deere	80 / 2400	136 1/2	67	67 7/8	3360
EPT4-150DPQJD	6 Ansi Flange	John Deere	80 / 2400	161 1/2	76 1/8	79 13/16	4800

Engine Powered Pumps

EPT5 SERIES GAS / DIESEL TRASH PUMP

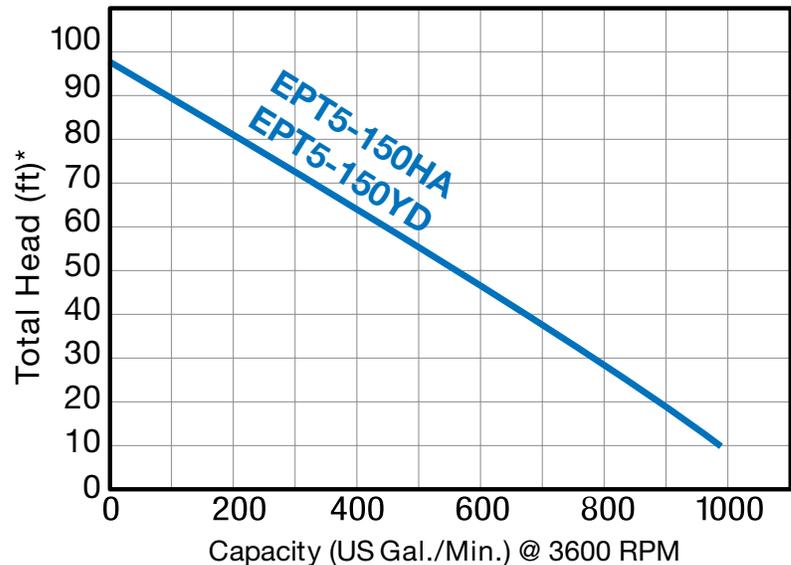
Industrial Duty 6" Trash Pump: Powered by Honda gas engine / Yanmar diesel engine



EPT5-150HA Gas Engine Trash Pump Features

EPT5-150YD Diesel Engine Trash Pump Features

- Cast Aluminum Casing and Adapter
- Cast Iron Seal 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 GX660 Gas Engine or Yanmar 3TNM72 Diesel Engine
- Solids Handling to 3" Diameter
- Unique Slide Mechanism permits complete service of pump without removing hoses or removing pump components from trailer (Patent Pending)
- 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	Engine Manufacturer	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
					Length	Width	Height	
EPT5-150HA	6	Gasoline	Honda GX660	22.0 / 3600	99	48	60	1125
EPT5-150YD	6	Diesel	Yanmar 3TNM72	22.8 / 3600	99	48	60	1250

Engine Powered Pumps

EPT2-100DD/150DD HEAVY DUTY TRASH PUMP

Trailer Mounted Trash Pumps for Tough Jobs

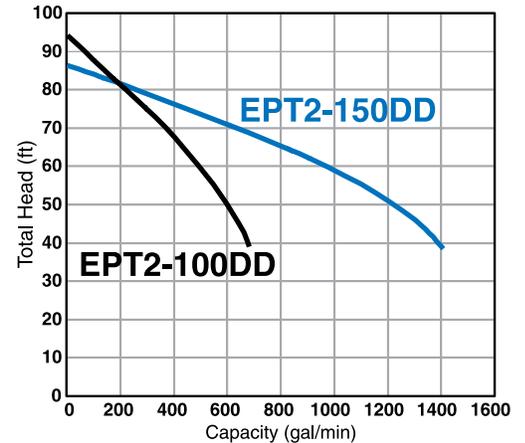
Dewatering to sewage, clean water to 3-inch solids—our trash pumps do it all.

EPT2-100DD / EPT2-150DD Diesel Trash Pump

Features powered by Deutz



- Heavy-duty Deutz diesel engine with electric start and 40 U.S. gallon fuel tank provides a minimum of 24 hours run time per tank.
- Pass 3" solids (EPT2-150DD) or 2" solids (EPT2-100DD) 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" ball hitch (optional pintle hitch available).



Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
EPT2-100DD	4 NPT male	Deutz F2L1011	24.5 / 2800	100	63 1/2	59	1800
EPT2-150DD	6 NPT male	Deutz F3L1011	36 / 2800	100	63 1/2	59	2100

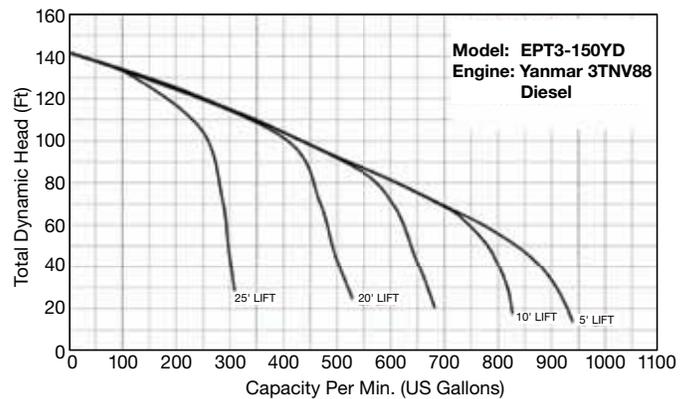
EPT3-150YD HEAVY DUTY TRASH PUMP

Powerful 6-Inch Self-Priming Trash Pump

EPT3-150YD Diesel Trash Pump Features powered by Yanmar



- Powered by a heavy-duty water cooled Yanmar diesel engine - Model 3TNV88 featuring low emissions, noise, vibration, and lower fuel consumption.
- Capable of passing 3" solids and is designed for rugged applications in rental, construction, civil engineering, industrial, wastewater and agricultural applications.
- Constructed with a class 30 cast iron casing, two vane ductile iron impeller and replaceable ductile iron volute.
- Heavy-duty DOT road trailer with 15" 6-ply tires and 2" ball hitch (optional pintle hitch available).



Model	Discharge / Suction Size (inches)	Engine	Max. Output (hp/rpm)	Dimensions (inches)			Shipping Weight (lbs.)
				Length	Width	Height	
EPT3-150YD	6 NPT male	Yanmar 3TNV88	30 / 3000	108	60	69	1750

Engine Powered Pumps Specifications

TE2-25HA • TE3-50HAT - 100HA • TE5-50RX - 80RX



	TE2-25HA 1" Dewatering Pump	TE3-50HAT 2" Dewatering Pump	TE3-80HAT 3" Dewatering Pump	TE2-100HA 4" Dewatering Pump	TE5-50RX 2" Dewatering Pump	TE5-80RX 3" Dewatering Pump	
FLUID	Max. Capacity (GPM)	37	137	264	476	264	
	Max. Capacity (GPH)	2220	8220	15840	28560	15840	
	Max. Head (ft)	109	115	105	92	105	
	Max. Solid Diameter (in.)	0	3/8	3/8	3/8	3/8	
PUMP	Impeller Type	Semi-Open					
	Impeller (Diaphragm) Material	Cast Iron					
	Volute Casting Material	Cast Iron					
	Wear Plate Material	Integral part of volute					
	Pump Casing Material	Die Cast Aluminum					
	Shaft Seal	Silicon Carbide Mechanical Seal					
	Seal Lubricant	Water					
	Discharge Connection	1" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	3" NPT Coupling
	Suction Connection	1" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	3" NPT Coupling
	ENGINE	Brand	Honda	Honda	Honda	Honda	Subaru
Model		GX-25	GX-120	GX-160	GX-240	EX16	EX17
Type		Air Cooled, 4-Cycle Single Cylinder with Oil Sensor					
Output (hp)		1.1	4.0	5.5	8.0	4.5	6.0
RPM		2220	3600	3600	3600	4000	4000
Fuel		Unleaded Gasoline					
Fuel Tank Capacity (US Gal.)		0.15	0.66	0.95	1.59	0.95	0.95
Continuous Run Time per Tank (hr.)		1.21	3.0	3.3	3.2	3.18	2.71
Starting Method		Recoil Starter					
DIMENSION		Length (in.)	9	18 1/2	20 1/2	25	20 1/2
	Width (in.)	14	14 5/8	16 1/2	18	16 1/2	16 1/2
	Height (in.)	13	17 1/8	18 1/8	23 1/2	18 7/8	18 7/8
	Shipping Weight (lbs.)	12	55	64	109	60	64

Engine Powered Pumps Specifications

TE2-50RDB - 80RDB • EPT2-80RDB - 100RDB • EPT3-50HAT - 100HA



	TE2-50RDB 2" Dewatering Pump	TE2-80RDB 3" Dewatering Pump	EPT2-80RDB 3" Trash Pump	EPT2-100RDB 4" Trash Pump	EPT3-50HAT 2" Trash Pump	EPT3-80HA 3" Trash Pump	EPT3-100HA 4" Trash Pump	
FLUID	Max. Capacity (GPM)	172	212	317	449	190	570	
	Max. Capacity (GPH)	10320	12720	19020	26940	11400	34200	
	Max. Head (ft)	98	75	79	79	90	91	
	Max. Solid Diameter (in.)	3/8	3/8	1 1/2	1 1/2	1	1 1/2	
PUMP	Impeller Type	Semi-Open						
	Impeller (Diaphragm) Material	Cast Iron		High Chrome Iron Casing				
	Volute Casting Material	Cast Iron						
	Wear Plate Material	Integral part of volute				Stainless Steel		
	Pump Casing Material	Die Cast Aluminum				Cast Aluminum		
	Shaft Seal	Silicon Carbide Mechanical Seal						
	Seal Lubricant	Water						
	Discharge Connection	2" NPT Coupling	3" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling
	Suction Connection	2" NPT Coupling	3" NPT Coupling	3" NPT Coupling	4" NPT Coupling	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling
	ENGINE	Brand	Robin Hatz	Robin Hatz	Robin Hatz	Robin Hatz	Honda	Honda
Model		n/a	n/a	n/a	n/a	GX-160	GX-240	GX-340
Type		Air-Cooled, 4-Cycle Single Cylinder				Air Cooled, 4-Cycle Single Cylinder with Oil Sensor		
Output (hp)		4.9	4.9	7.6	10.5	5.5	8.0	11.0
RPM		3600	3600	3600	3600	3600	3600	3600
Fuel		Diesel				Unleaded Gasoline		
Fuel Tank Capacity (US Gal.)		0.78	0.78	1.30	1.30	0.95	1.6	1.7
Continuous Run Time Per Tank (hr.)		1.21	3.0	3.3	3.2	3.3	3.2	2.6
Starting Method		Recoil Starter						
DIMENSION		Length (in.)	24 13/16	24 13/16	28 3/16	28 3/16	23 1/4	27 1/2
	Width (in.)	17 15/16	17 15/16	20 7/8	20 7/8	18 1/4	20 1/8	20 1/8
	Height (in.)	22 1/4	22 1/4	25 5/8	27 3/16	17 3/8	25 5/8	26
	Shipping Weight (lbs.)	95.1	97.3	172.4	202.6	82	136	160

Engine Powered Pumps Specifications

EPT3-50RX - 100RX2 • THP-4070HA • TD5-200/300



	EPT3-50RX 2" Trash Pump	EPT3-80RX 3" Trash Pump	EPT3-100RX2 4" Trash Pump	THP-4070HA High Pressure Pump	TD5-200 2" Diaphragm Pump	TD5-300 3" Diaphragm Pump	
FLUID	Max. Capacity (GPM)	190	360	570	106	85	
	Max. Capacity (GPH)	11400	21600	34200	6360	5280	
	Max. Head (ft)	90	96	91	231	25	
	Max. Solid Diameter (in.)	1	1 1/2	1 1/2	n/a	1-1/2	1-5/8
PUMP	Impeller Type	Semi-Open			Closed	Diaphragm	Diaphragm
	Impeller (Diaphragm) Material	High Chrome Iron Casting			Aluminum	TPE	TPE
	Volute Casting Material	Cast Iron				N/A	N/A
	Wear Plate / Ring Material	Stainless Steel			Integral part of volute	N/A	N/A
	Pump Casing Material	Cast Aluminum			Die Cast Aluminum	Sand Cast Aluminum	
	Shaft Seal	Silicon Carbide Mechanical Seal				N/A	N/A
	Seal Lubricant	Water				N/A	N/A
	Discharge Connection	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	1"-1 1/2"	2" NPT Coupling	3" NPT Coupling
	Suction Connection	2" NPT Coupling	3" NPT Coupling	4" NPT Coupling	1"-1 1/2"	2" NPT Coupling	3" NPT Coupling
	ENGINE	Brand	Subaru	Subaru	Subaru	Honda	Honda
Model		EX17	EX27	EH36	GX-160	GX-120	GX-120
Type		Air Cooled, 4-Cycle Single Cylinder with Oil Sensor					
Output (hp)		6.0	7.0	11.5	5.5	4.0	4.0
RPM		4000	4000	4000	3600	3600	3600
Fuel		Unleaded Gasoline					
Fuel Tank Capacity (US Gal.)		0.95	0.95	1.8	0.95	0.5	0.5
Continuous Run Time per Tank (hr.)		3.28	2.71	2.8	3.3	2.0	2.0
Starting Method		Recoil Starter					
DIMENSION		Length (in.)	23 1/4	27 1/2	30 1/8	21	39
	Width (in.)	18 1/4	20 1/8	20 1/8	16	26	30
	Height (in.)	17 3/8	25 5/8	26	18	23	22
	Shipping Weight (lbs.)	82	136	160	62	167	175

Engine Powered Pumps Specifications

EPT5-150HA/150YD • EPT4-150DPJD/DPQJD • EPT2-100DD/150DD • EPT3-150YD



	EPT5-150HA 6" Trash Gas Pump	EPT5-150YD 6" Trash Diesel Pump	EPT4-150DPJD 6" Heavy-Duty Trash Pump	EPT4-150DPQJD 6" Heavy-Duty Trash Pump	EPT2-100DD 4" Heavy-Duty Trash Pump	EPT2-150DD 6" Heavy-Duty Trash Pump	EPT3-150YD 6" Heavy-Duty Trash Pump	
FLUID	Max. Capacity (GPM)	1000	1000	2400		666	1400	940
	Max. Capacity (GPH)	60000	60000	144000		40000	84000	56400
	Max. Head (ft)	98	98	160		94	86	140
	Max. Solid Diameter (in.)	3	3	3		2	3	3
PUMP	Impeller Type	Open	Open	Fully Enclosed		Semi-Open		
	Impeller (Diaphragm) Material	Stainless Steel	Stainless Steel	Cast Iron		Ductile Iron		
	Volute Casting Material	Cast Iron	Cast Iron	Cast Iron		Cast Iron		
	Wear Plate Material	Cast Iron	Cast Iron	Cast Iron		Rubber Lined Cast Iron	Integral part of volute	
	Pump Casing Material	Aluminum	Aluminum	Cast Iron		Cast Iron		
	Shaft Seal	Silicon Carbide	Silicon Carbide / Buna	Tungsten Carbide Silicone Carbide		Mechanical Seal		Carbon/ Chrome Mechanical Seal
	Seal Lubricant	Seal Lubricating with seal flush standard	Water / Seal Flush	Oil		Grease (Oil optional)		Grease
	Discharge Connection	6" FNPT	6" MNPT	6" Ansi Flange		4" NPT Coupling	6" NPT Coupling	6" NPT Coupling
Suction Connection	6" MNPT	6" MNPT	6" Ansi Flange		4" NPT Coupling	6" NPT Coupling	6" NPT Coupling	
ENGINE	Brand	Honda	Yanmar	John Deere		Deutz	Deutz	Yanmar
	Model	GX660	3TNM72	4045TF280		F2L1011	F3L1011	3TNV88
	Type	Air Cooled V-Twin with Oil Sensor	Water Cooled, cycle, w/Tach, Hour meter/ Oil Sensor	Water Cooled, 4-Cycle Four Cylinder with Temperature / Oil Sensor		Air/Oil Cooled, 4-Cycle Two Cylinder with Temperature/Oil Sensor	Air/Oil Cooled, 4-Cycle Three Cylinder with Temperature /Oil Sensor	Water Cooled, 4-Cycle Three Cylinder with Temperature /Oil Sensor
	Output (hp)	22.0	22.8	80		24.5	36	30
	RPM	3600	3600	2200		2800	2800	3000
	Fuel	Unleaded Gasoline	Diesel	Diesel		Diesel		
	Fuel Tank Capacity (US Gal.)	18	20	60	130	40	40	40
	Continuous Run Time Per Tank (hr.)	12	12	24		24	24	11.5
	Starting Method	12 Volt Electric start Battery not included	12 Volt Electric start Battery not included	Electric, 12V		Electric, 12V		
	DIMENSION	Length (in.)	99	99	136 1/2	161 1/2	100	100
Width (in.)		48	48	67	76 1/8	63 1/2	63 1/2	60
Height (in.)		60	60	67 7/8	79 13/16	59	59	69
Shipping Weight (lbs.)		1125	1250	3360	4800	1800	2100	1750

TSURUMI PUMP Portable Generators

TSURUMI TPG3 / TPG 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.

TPG3 / TPG 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 Wheel Kits & Lifting Bail are available.
(PGWK-200 for all TPG3 Series: Wheel Kit & Lifting Bail, PGWK-11K for TPG-11000HDXE: Wheel Kit only)

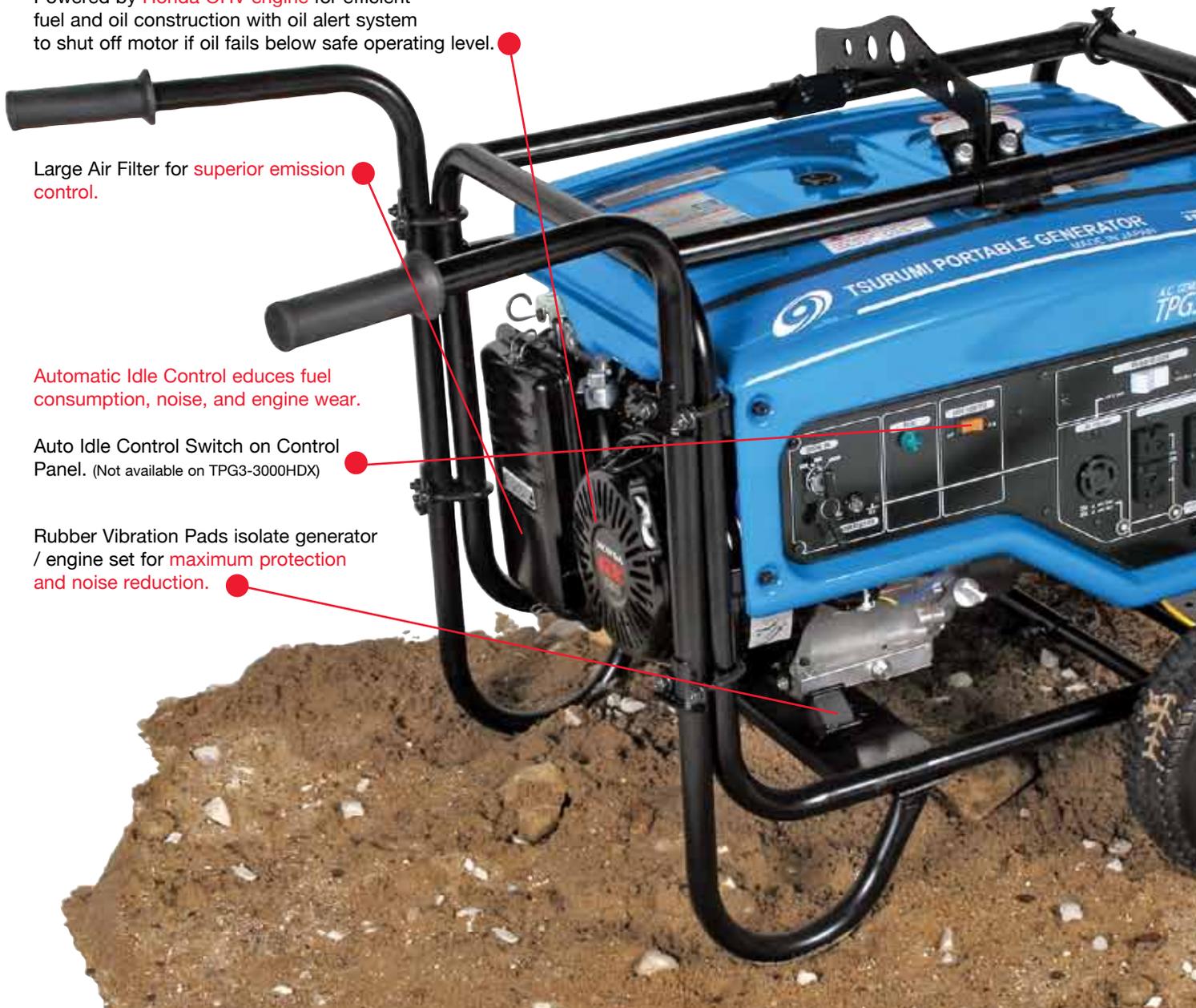
Powered by **Honda OHV engine** for efficient fuel and oil construction with oil alert system to shut off motor if oil fails below safe operating level.

Large Air Filter for **superior emission control**.

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

Auto Idle Control Switch on Control Panel. (Not available on TPG3-3000HDX)

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



TPG3 SERIES GENERATORS



	TPG3-3000HDX	TPG3-4500HDX	TPG3-6000HDX	TPG3-7000HDX TPG3-7000HDXE
Max. / Rated Output (watts)	2900 / 2400	4500 / 3600	6000 / 5000	7000 / 6000
Max. / Rated Current (120V / 240V)	24.2/20	37.5/30, 18.8/15	50/40, 25,20	58.3/50, 29.2/25
Voltage (V) (60Hz)	120	120/240	120/240	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 L14-20R (30A, 120/240V, Twist Lock)		2-NEMA 5-20A Duplex (20A, 12A, W/GFCI) 1-NEMA L5-30R (30A, 120V, Twist Lock) 1-NEMA L14-20R (30A, 120/240V, Twist Lock)
Engine Model	GX160	GX240	GX340	GX390
Maximum HP	5.5 (3600RPM)	8.0 (3600RPM)	11.0 (3600RPM)	13.0 (3600RPM)
Displacement	163 (10inch ³)	242 (15inch ³)	337 (21inch ³)	389 (24inch ³)
Fuel Tank Capacity (gallon)	6.6	6.6	6.6	6.6
Running Time (Rated load, 1/2 load)	11.9/16.6	11.4/16.4	8.5/12.2	7.9/11.8
Starting System	Recoil	Recoil	Recoil	Recoil (HDX), Electric (HDXE)
Noise Level (Rated Load)	64dB	68dB	72dB	78dB
Shipping Size (LxWxH) (inches)	23 5/8x16 1/2x19 3/4	27 3/16x21 1/4x20 1/4	27 3/16x21 1/4x20 1/4	27 3/16x21 1/4x20 1/4
Shipping Weight (lbs.)	102	157	176	185(HDX), 191 (HDXE)



TPG-11000HDXE GENERATOR

	TPG-11000HDXE
Rated Output (1ph)	10.5 kVA
Max. Output (1ph)	11.5 kVA
Alternator	AVR
Frequency (Hz)	60
Phase	Single
Armature Connection	-
Power Factor	1.0
Receptacle (amperage rating and plug types)	2-NEMA 5-20R Duplex (20A, 120V, W/GFCI) 1-NEMA L5-30R (30A, 120V, Twist Lock) 1-NEMA L14-30R (30A, 120/240V Twist Lock) 1-NEMA L14-50R (50A, 120/240V Twist Lock)
Fuel Tank Capacity (gal.)	9.75
Engine	Honda GX630
Displacement of Engine	688 cc
HP @ rated speed	20.2HP
Emission	-
Noise Level (dB)	75 (reference data)
L x W x H (inch)	38.2 x 26.7 x 28.6
Weight (lbs.)	433

*Specification subject to change *Wheel Kit is optional

TSURUMI PUMP Parts and Accessories

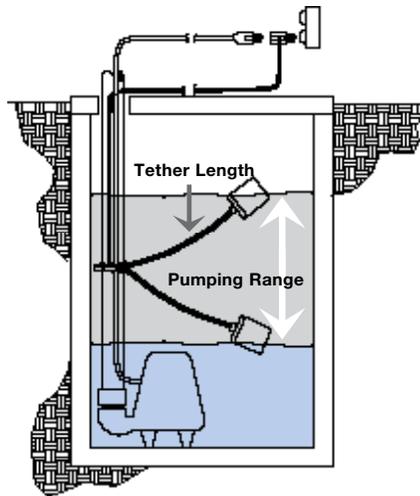


Automatic Float Switch

TSURUMI's TS-series piggy-back float switches allow fast and easy installation of Tsurumi submersible pumps for automated operation. Simply tighten the float mounting strap to the discharge pipe, or other suitable support, and set the float tether length for the desired pumping range. (See chart below). Next, plug the pump into the float's piggy-back receptacle and plug into electrical outlet. All switches are UL Recognized and CSA Certified.

Tether Length	Pumping Range
3.5 inches	7 inches
6 inches	10 inches
10 inches	16 inches
14 inches	22 inches
18 inches	28 inches
22 inches	33 inches
24 inches	36 inches

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.



Automatic Float Switch



Hoses and Suction Strainers

A range of hose and connectors are available. Both discharge (50ft) and suction hoses (20ft) available in 2", 3", and 4".

Pump Float Switches	Maximum Pump Running Current	Maximum Pump Starting Current	Required Nema Plug Configuration	For Pump Model	Cord Length (ft)
TS-301	13 amps /120 VAC, 60Hz	85 amps / 120VAC, 60Hz	5-15P	HS2.4S (110V)	30
				LB-480 (110V)	30
TS-302	15 amps / 120 VAC, 60Hz	85 amps / 120VAC, 60Hz	5-15P	LB-800 (115V)	30
TS-303	15 amps / 250 VAC, 60Hz	85 amps / 250VAC, 60Hz	6-15P *	LB-800 (230V)	30
				NK2-15 (220V)	30
				NK2-22 (220V)	30



Sand Kit Model: K15-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-200
for TPG3 Series Generator &
Gas Engine Pumps



Wheel Kit PGWK-11K
for TPG-11000HDXE



Lifting Bail
PGLB-1

For All Generators, Gas Engine Pumps: Wheel Kit PGWK-200 / PGWK-11K and Lifting Bail PGLB-1

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.

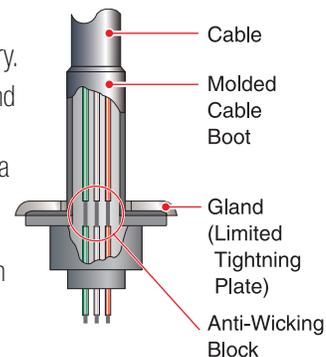
Inverter Panels are available for LHW and KTZ series Single Phase operation.

TSURUMI PUMP

SUPERIOR DESIGN & TECHNOLOGY

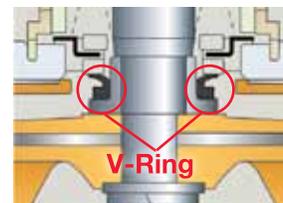
Anti-Wicking Cable Entrance: Maximum protection against water incursion through the cable entry.

- 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 prevent water wicking through the strands and entering the motor providing protection even if the cable insulation is cut.



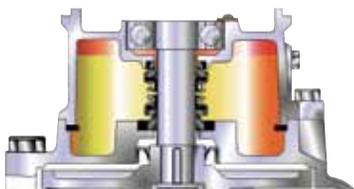
Circle Thermal Protector (CTP) - for pumps with 1-10HP: 3-Pole protector connects to each winding of the motor and reacts to excessive heat and amperage. Automatic reset at safe temperature to restart the motor. No motor protection circuit required in starter or control panel.

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:

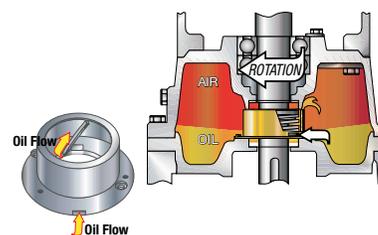
Dry type, squirrel-cage, induction motor, housed in a watertight casing, conforms to either insulation class B or E, or F. In both of these classes, all standard pumps can be used in ambient temperature up to 104°F (40°C).



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.



TSURUMI PUMP



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