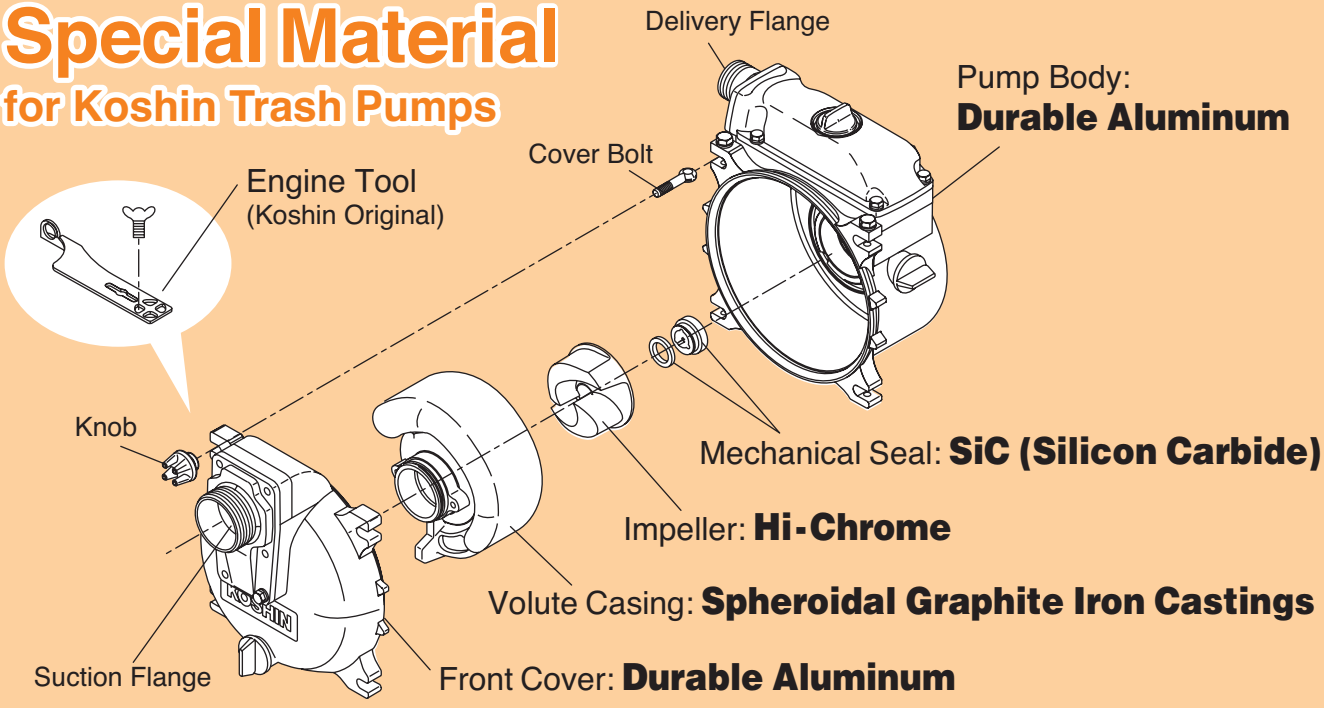
Koshin Trash Pumps

- **Excellent Seal Durability**
  Conventional mechanical seal using carbon ceramic is replaced by silicon carbide (SiC) seal. SiC seal is developed by Koshin and we are the first manufacturer to use such durable material in Japan.
- **Thoughtful Design**
  Special plug designed on impeller allows easy removal.
  Simply insert any rod and twist to separate Impeller from its Casing.
  No special tool required.
- **Light Weight & Compact Design**
  Conventional trash pumps are very bulky and heavy, some more than 100 kg in weight. KTR-100X, the largest of all, weights only 81 kg.
  The compact design takes up smaller space and is portable.
- **High Self-priming Performance**
  Special structure is designed to ensure high capacity self-priming performance. Koshin Trash Pumps give excellent performance and durability.

Easy & Quick Maintenance

Special Material
for Koshin Trash Pumps

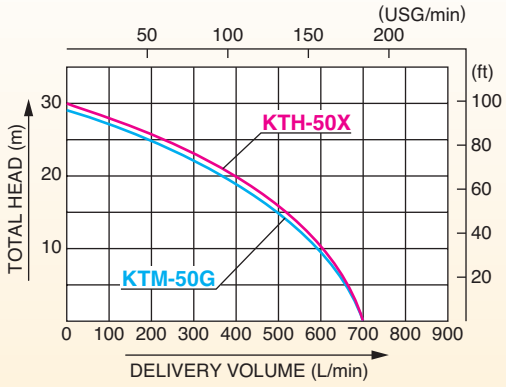


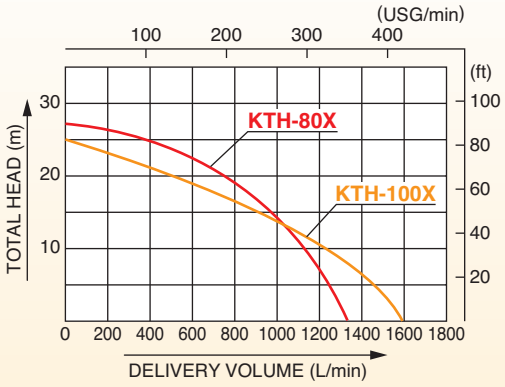
Heavy Duty Trash Pumps

KTH-80X

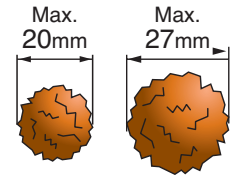
KTH-100X

Performance Curve





Solid Sizes

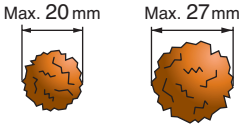


Specifications

	Model	KTH-50X	KTH-80X	KTH-100X	KTM-50G
PUMP	Connection Dia	50 mm (2")	80 mm (3")	100 mm (4")	50 mm (2")
	Connection Thread	Outer Pipe Thread BSP			
	Total Head	30 m (98 ft)	27 m (89 ft)	25 m (82 ft)	28 m (92 ft)
	Delivery Volume	700 L/min (185 USG/min)	1340 L/min (354 USG/min)	1600 L/min (422 USG/min)	700 L/min (185 USG/min)
	Max. Suction Lift	8 m (26 ft)			
	Material for Mechanical Seal	SiC (Silicon Carbide) × SiC			
	Material for Impeller	Hi-Chrome			
	Material for Volute	Spheroidal Graphite Iron Castings			
ENGINE	Type	Forced Air-cooled 4-stroke Gasoline Engine			
	Model	Honda GX160	Honda GX240	Honda GX340	Mitsubishi GT600
	Exhaust Volume	163 cc	270 cc	337 cc	181 cc
	Rated Output	2.9 kW (4.0 PS) / 3600 rpm	4.6 kW (6.3 PS) / 3600 rpm	5.8 kW (7.9 PS) / 3600 rpm	3.3 kW (4.5 PS) / 3600 rpm
	Max. Output	3.6 kW (4.9 PS) / 3600 rpm	5.9 kW (8.0 PS) / 3600 rpm	7.1 kW (9.7 PS) / 3600 rpm	4.4 kW (6.0 PS) / 4000 rpm
	Fuel	Automotive Unleaded Gasoline			
	Fuel Tank Capacity	3.1 L (0.82 USG)	5.3 L (1.40 USG)	6.1 L (1.61 USG)	3.8 L (1.0 USG)
	Continuous Operating Time	Approx. 2.2 hrs	Approx. 2.5 hrs	Approx. 2 hrs	
	Starting Method	Recoil Starter			
Standard Accessories		1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set			
Gross Weight		51 kg (112 lbs)	64 kg (141 lbs)	85 kg (187 lbs)	54.5 kg (120 lbs)
Dimensions L×W×H (mm)		646 × 488 × 509	711 × 506 × 570	780 × 570 × 652	646 × 488 × 509
Packing Unit		1			

Heavy Duty Trash Pumps Powered by SUBARU Engine

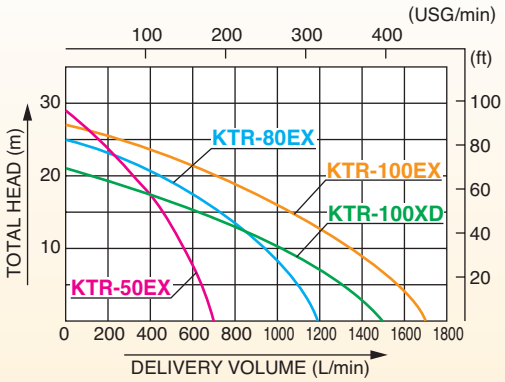
Solid Sizes



KTR-50EX

KTR-100XD

■Performance Curve



■ Specifications

	Model	KTR-50EX	KTR-80EX	KTR-100EX	KTR-100XD
PUMP	Connection Dia	50 mm (2")	80 mm (3")	100 mm (4")	
	Connection Thread	Outer Pipe Thread BSP			
	Total Head	29 m (95 ft)	25 m (82 ft)	28 m (92 ft)	21 m (69 ft)
	Delivery Volume	700 L/min (185 USG/min)	1190 L/min (314 USG/min)	1700 L/min (449 USG/min)	1500 L/min (396 USG/min)
	Max. Suction Lift	8 m (26 ft)			
	Material for Mechanical Seal	SiC (Silicon Carbide) × SiC			
	Material for Impeller	Hi-Chrome			
	Material for Volute	Spheroidal Graphite Iron Castings			
ENGINE	Type	Forced Air-cooled 4-stroke Gasoline Engine			Forced Air-cooled 4-stroke Diesel Engine
	Model	Subaru EX17	Subaru EX27	Subaru EX40	Subaru DY41
	Exhaust Volume	169 cc	265 cc	404 cc	412 cc
	Rated Output	2.9 kW (4.0 PS) / 3600 rpm	5.1 kW (7.0 PS) / 3600 rpm	7.0 kW (9.5 PS) / 3600 rpm	5.5 kW (7.5 PS) / 3600 rpm
	Max. Output	4.2 kW (5.7 PS) / 4000 rpm	6.6 kW (9.0 PS) / 4000 rpm	10.3 kW (14.0 PS) / 3600 rpm	6.3 kW (8.5 PS) / 3600 rpm
	Fuel	Automotive Unleaded Gasoline			Diesel Light Oil
	Fuel Tank Capacity	3.2 L (0.84 USG)	5.6 L (1.48 USG)	6.8 L (1.79 USG)	4.5 L (1.18 USG)
	Continuous Operating Time	Approx. 2 hrs	Approx. 2.1 hrs	Approx. 1.6 hrs	Approx. 2.3 hrs
	Starting Method	Recoil starter			
Standard Accessories		1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set			
Gross Weight		53 kg (117 lbs)	64 kg (141 lbs)	90 kg (198 lbs)	117 kg (258 lbs)
Dimensions L×W×H (mm)		646 × 488 × 509	711 × 500 × 570	780 × 592 × 652	883 × 528 × 677
Packing Unit		1			

New Design with Easy Maintenance

・Powered by Honda GX270 & GX390 with low oil alart

① The cleanout cover can be removed easily without removing hoses

② Handles on the cleanout cover can be installed in vertical or horizontal position

③ Easy removal of knobs

④ New Impeller design with hexagon boss for easy installation and removal

New

SiC

Solid Sizes

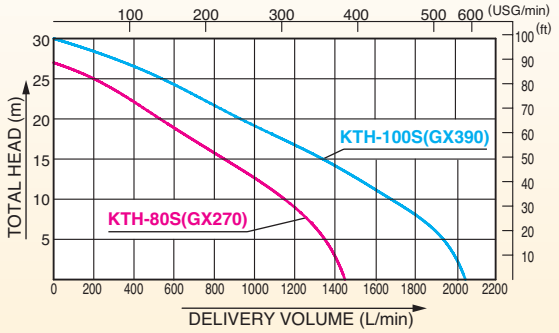
Max. 20 mm — 80S Type

Max. 27 mm — 100S Type

KTH-80S

■Performance Curve

*Performance ratings are guaranteed minimum, not inflated maximum.

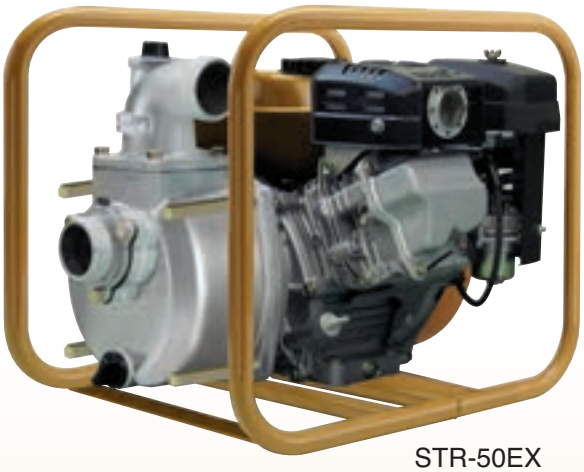


■ Specifications

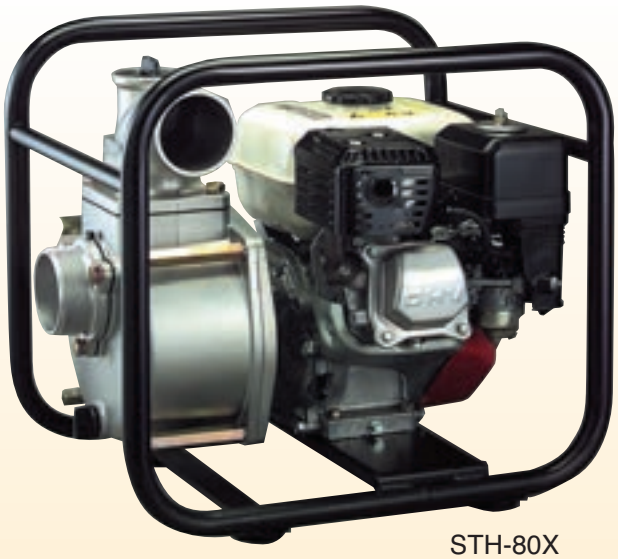
	Model	KTH-80S	KTH-100S
PUMP	Connection Dia	80 mm (3")	100 mm (4")
	Connection Thread	Parallel Pipe Thread or NPT	
	Total Head	27 m (89 ft)	30 m (98 ft)
	Delivery Volume	1450 L/min (383 USG/min)	2050 L/min (542 USG/min)
	Max. Suction Lift	8 m (26 ft)	
	Material for Mechanical Seal	SiC (Silicon Carbide) × SiC	
	Material for Impeller	Hi-Chrome	
	Material for Volute	FCD	
ENGINE	Type	Forced Air-Cooled 4-stroke OHV Gasoline Engine	
	Model	Honda GX270	Honda GX390
	Exhaust Volume	270 cc	389 cc
	Rated Output	5.1 kW (6.9 PS) / 3600 rpm	7.0 kW (9.5 PS) / 3600 rpm
	Max. Output	6.3 kW (8.6 PS) / 3600 rpm	8.7 kW (11.8 PS) / 3600 rpm
	Fuel	Automotive Unleaded Gasoline	
	Fuel Tank Capacity	5.3 L (1.40 USG)	6.1 L (1.61 USG)
	Continuous Operating Time	Approx. 2 hrs	
	Starting Method	Recoil Starter	
Net Weight		66 kg (146 lbs)	82 kg (181 lbs)
Frame Dimensions L×W×H (mm)		690 × 495 × 570	745 × 540 × 600
Packing Unit		1	
Accessories		1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set	

Economical Trash Pumps For Sandy & Muddy Water Applications

- **Silicon Carbide Mechanical Seal (SIC).**
  4 to 5 times more durable than standard Carbon Ceramic Mechanical Seal.
- Spheroidal graphite iron casting for Impeller and Casing.
  10 times more corrosion resistant than standard FC or Cast Iron.
- Impeller can be removed easily without special tool.
- Long bolt assembly for easy maintenance.

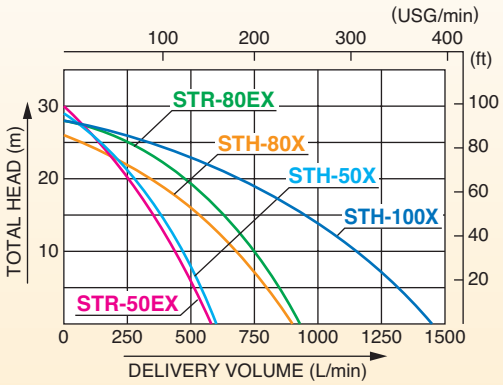


STR-50EX



STH-80X

■Performance Curve



■Specifications

	Model	STH-50X	STH-80X	STH-100X	STR-50EX	STR-80EX
PUMP	Connection Dia	50 mm (2")	80 mm (3")	100 mm (4")	50 mm (2")	80 mm (3")
	Connection Thread	Outer Pipe Thread BSP				
	Total Head	29 m (95 ft)	26 m (85 ft)	28 m (92 ft)	30 m (98 ft)	28 m (92 ft)
	Delivery Volume	600 L/min (158 USG/min)	900 L/min (238 USG/min)	1450 L/min (383 USG/min)	580 L/min (153 USG/min)	930 L/min (246 USG/min)
	Max. Suction Lift	8 m (26 ft)				
ENGINE	Type	Forced Air-cooled 4-stroke Gasoline Engine				
	Model	Honda GX120	Honda GX160	Honda GX240	Subaru EX16	Subaru EX17
	Exhaust Volume	118 cc	163 cc	270 cc	169 cc	169 cc
	Rated Output	2.1 kW (2.9 PS) / 3600 rpm	2.9 kW (4.0 PS) / 3600 rpm	4.6 kW (6.3 PS) / 3600 rpm	2.2 kW (3.0 PS) / 3600 rpm	2.9 kW (4.0 PS) / 3600 rpm
	Max. Output	2.6 kW (3.5 PS) / 3600 rpm	3.6 kW (4.9 PS) / 3600 rpm	5.9 kW (8.0 PS) / 3600 rpm	3.2 kW (4.3 PS) / 4000 rpm	4.2 kW (5.7 PS) / 4000 rpm
	Fuel	Automotive Unleaded Gasoline				
	Fuel Tank Capacity	2.0 L (0.53 USG)	3.1 L (0.82 USG)	5.3 L (1.40 USG)	3.6 L (0.95 USG)	3.2 L (0.84 USG)
	Continuous Operating Time	Approx. 3 hrs			Approx. 2 hrs	
	Starting Method	Recoil starter				
Standard Accessories		1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set, 1 Spanner				
Gross Weight		25 kg (55.1 lbs)	35 kg (77.1 lbs)	64 kg (141 lbs)	28 kg (61.7 lbs)	34 kg (74.9 lbs)
Dimensions L×W×H (mm)		500 × 395 × 415	525 × 389 × 473	665 × 472 × 655	506 × 402 × 429	530 × 405 × 405
Packing Unit		1				