



HEAVY DUTY

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.

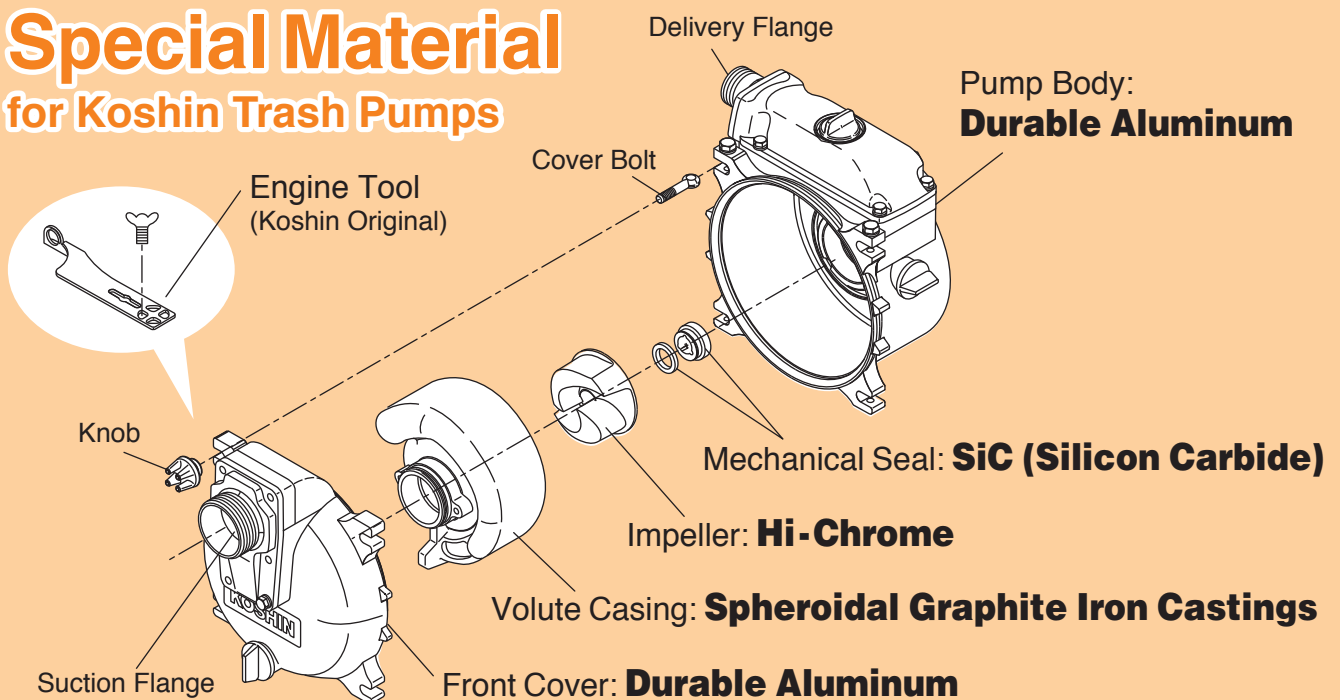
• **High Self-priming Performance**

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



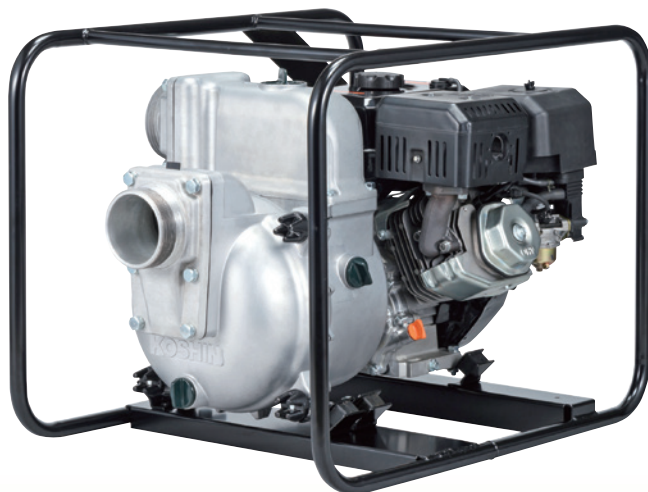
Heavy Duty Trash Pumps



New

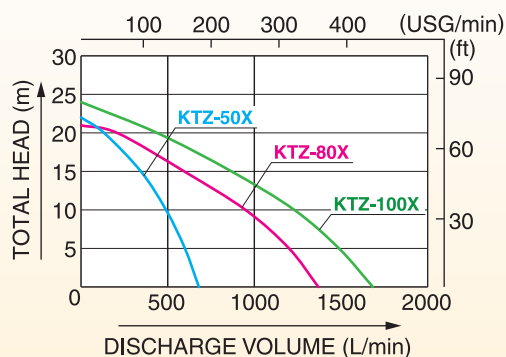


KTZ-80X

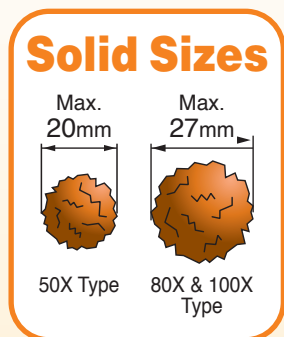


KTZ-100X

Performance Curve



Performance ratings are guaranteed minimum, not inflated maximum.



Specifications

	Model	KTZ-50X	KTZ-80X	KTZ-100X
PUMP	Connection Dia	50 mm(2")	80 mm(3")	100 mm(4")
	Connection Thread	Paralle Pipe Thread or NTP		
	Total Head	22m (72 ft)	21 mm (68 ft)	24 mm (78 ft)
	Delivery Volume	680 L/min (179 USG/min)	1370 L/min (361 USG/min)	1680 L/min (443 USG/min)
	Max.Suction Lift	8m (26 ft)		
	Material for Mechanical Seal	Sic x Sic		
	Material for Impeller	Hi-Chrome		
	Material for Volute	FCD450		
ENGINE	Type	Forced Air-Cooled 4-stroke OHV Gasoline Engine		
	Model	Koshin K180	Koshin K300	Koshin K420
	Exhaust Volume	179cc	301cc	420cc
	Rated Output	3.1 kW (4.2PS) / 3600 rpm	5.0 kW (6.8 PS) / 3600 rpm	7.2 kW (9.8 PS) / 3600 rpm
	Max.Output	3.5 kW (4.8PS) / 3600 prm	6.0 kW (8.2 PS) / 3600 prm	8.6 kW (11.7 PS) / 3600 prm
	Fuel	Automotive Unleaded Gasoline		
	Fuel Tank Capacity	3.6 L (0.95 USG)	5.9 L (1.5 USG)	5.9 L (1.5 USG)
	Continuous Operating Time	Approx. 2.0 hrs		Approx. 1.5 hrs
	Starting Method	Recoil Starter		
	Standard Accessories	1 Strainer, 3 Hose Bands, 1 Engine Tool Set, 1 Multi Tool wrench(BSP Type: 2 Hose Couplings)		
Net Weight	48.1 kg (106.0 lbs)	61.6 kg (135.8 lbs)	78.2 kg (172.4 lbs)	
Gross Weight	54 kg (119 lbs)	68.4 kg (150.8 lbs)	72.6 kg (160.1 lbs)	
Dimensions LxWxH (mm)	706 x 565 x 516	728 x 576 x 565	819 x 628 x 633	
Packing Unit	1			

New Design with Easy Maintenance

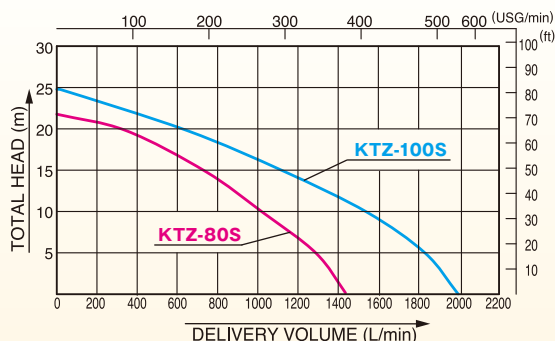
•Powered by KOSHIN K300 & K420

- 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



KTZ-80S

■ Performance Curve



Performance ratings are guaranteed minimum, not inflated maximum.



KTZ-100S

■ Specifications

Model	KTZ-80S	KTZ-100S
Connection Dia	80 mm(3")	100 mm(4")
Connection Thread	Paralle Pipe Thread or NT	
Total Head	22 m (72 ft)	25 m (82 ft)
Delivery Volume	1420 L/min (375 USG/min)	1980 L/min (523 USG/min)
Max.Suction Lift	8m (26 ft)	
Material for Mechanical Seal	Sic (Silicon Carbide) × Sic	
Material for Impeller	Hi-Chrome	
Material for Volute	FCD450	
Type	Forced Air-Cooled 4-stroke OHV Gasoline Engine	
Model	Koshin K300	Koshin K420
Exhaust Volume	301cc	420cc
Rated Output	5.0 kW (6.8 PS) / 3600 rpm	7.2 kW (9.8 PS) / 3600 rpm
Max.Output	6.0 kW (8.2 PS) / 3600 prm	8.6 kW (11.7 PS) / 3600 prm
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	5.9L (1.5 USG)	
Continuous Operating Time	Approx. 2 hrs	Approx. 1.5 hrs
Starting Method	Recoil Starter	
Standard Accessories	1 Strainer, 3 Hose Bands, 1 Engine Tool Set, 1 Multi Tool wrench(BSP Type: 2 Hose Couplings)	
Net Weight	65.3 kg (144.0 lbs)	81.2 kg (179.0 lbs)
Gross Weight	88.0 kg (194.00 lbs)	90.5 kg (199.5 lbs)
Dimensions LxWxH(mm)	732 × 596 × 603	803 × 628 × 620
Packing Unit	1	