

Semi-trash Pump

Powered by KOSHIN

**Gasoline
Engine**



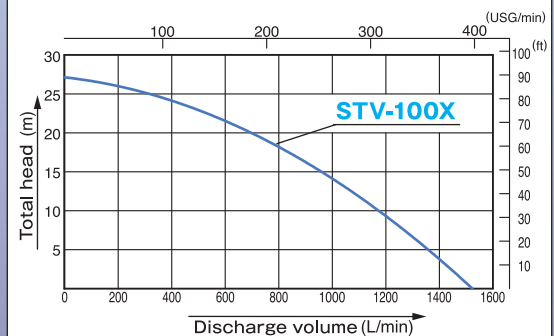
STV-100X

Outstanding Features

- Suitable for Sandy and Muddy Water
- More Erosion Resistant Impeller and Volute Casing Made from FCD
- Long Bolt Assembly for Easy Maintenance

Model name			STV-100X
Category			Self-priming, Centrifugal pump
Pump	Connection dia	Suction	100 mm (4")
		Discharge	100 mm (4")
	Connection thread		Outer pipe thread BSP
	Total head		28 m (91ft)
	Discharge volume		1500 L/min (396 USG/min)
	Max. suction head		8 m (26 ft)
Engine	Type		Forced air-cooled 4-stroke gasoline engine
	Model		KOSHIN K300
	Displacement		301 cm3
	Rated output		5.0 kW(6.8 PS) / 3600 rpm
	Max. output		6.0 kW(8.2 PS) / 3600 rpm
	Fuel		Automotive unleaded gasoline
	Fuel tank capacity		Tank size: 6.5 L (1.71 USG), Usage level: 5.9 L (1.55 USG)
	Engine oil		4-stoke engine oil:API grade SE or above, SAE 15W-40
	Engine oil capacity		1.1 L (0.29 USG)
	Continuous operating time		Approx. 1.8 hrs
Starting method		Recoil starter	
Applicable liquids	Consistency		Sandy and muddy water
	Suspended solid percentage		10%
	Max. solids size		8~9mm
	Temperature		5-45 ° C (41-113 ° F)
Standard accessories			1 Strainer, 2 Coupling sets, 3 Hose bands, 1 Engine tool, 1 Spanner
Net weight			56.5 kg (124.6 lbs)
Gross weight			66.1 kg (145.7 lbs)
Product dimensions L x W x H (mm)			683 × 495 × 645
Packing dimensions L x W x H (mm)			718 × 525 × 675

Performance Curve



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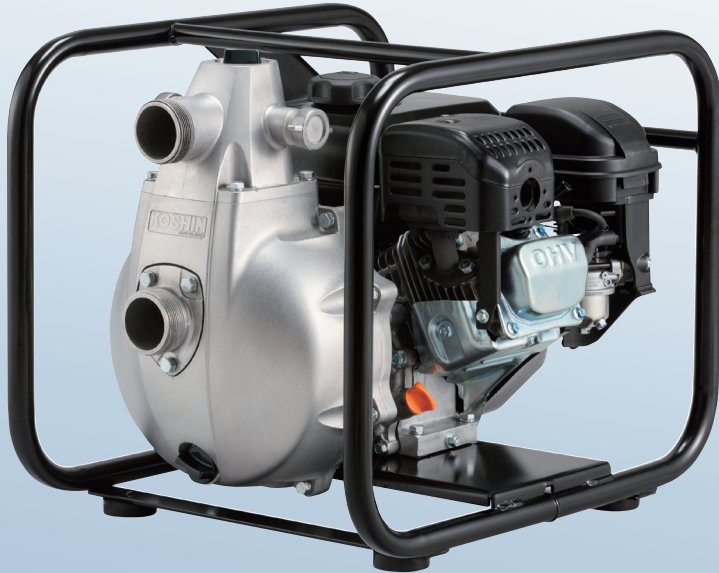
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High Pressure Pump

**Gasoline
Engine**

Powered by KOSHIN



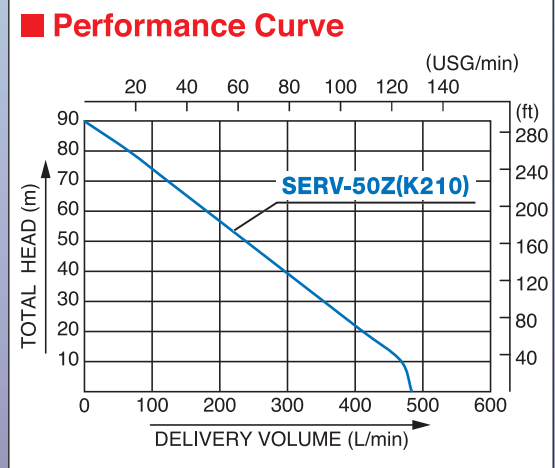
SERV-50Z

Outstanding Features

- **90m Total Head, 480L/min Delivery Volume**
- **For Sprinkler, Fire Fighting and Irrigation**
- **Durable Cast Iron Impeller and Volute Casing**

			SERV-50Z
PUMP	Connection Dia	Suction	50mm (2")
		Discharge	50mm (2") / 25mm (1")×2
	Connection Thread		Outer Pipe Thread BSP or NPT * ¹
	Total Head		90 m (295 ft)
	Delivery Volume		480 L/min
	Max. Suction Lift		8 m (26 ft)
ENGINE	Type		Forced Air-cooled 4-stroke Gasoline Engine
	Model		K210 High rpm
	Displacement		212 cc
	Rated Output		4.4 kW(6.0 PS)(5.9 HP) / 4400 rpm
	Max. Output		4.9 kW(6.7 PS)(6.6 HP) / 4000 rpm
	Fuel		Automotive Unleaded Gasoline
	Fuel Tank Capacity		3.3 L (0.87 USG)
	Continuous Operating Time		Approx. 1.2 hrs
	Starting Method		Recoil Starter
Standard Accessories			1 Strainer,* ² 3 Hose Bands (Φ60)* ² 2 Hose Bands(Φ32),* ² 1 Coupling Set(50mm) 1 Closing Plate(50mm), 2 Nipple(25mm) 1 Quick Coupling (50mm),* ² 1 Engine Tool
Net Weight			33.9 kg (74.7 lbs)
Gross Weight			37.5 kg (82.7 lbs)(BSP model) 36.2kg (79.8 lbs) (NPT model)
Dimensions LxWxH (mm)			570 x 450 x 468
Packing Unit			1

*1. Discharge thread for North America model : NPT for 2" and BSP for 1" *2. BSP model only



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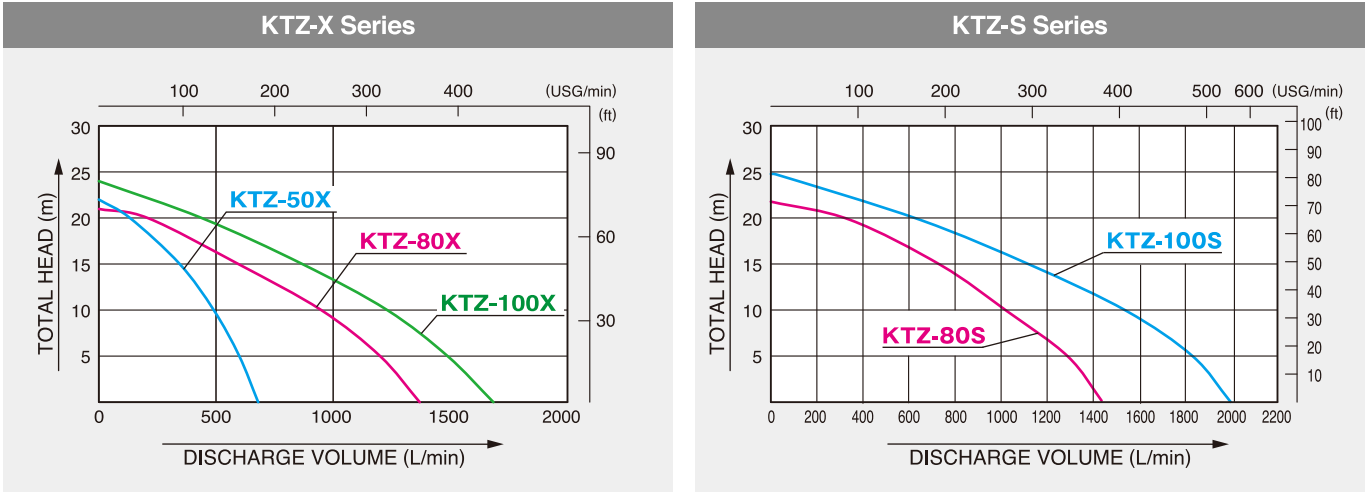
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■ Performance Curve



■ Specifications

MODEL		KTZ-50X	KTZ-80X	KTZ-100X	KTZ-80S	KTZ-100S
PUMP	Connection dia	50 mm(2")	80 mm(3")	100 mm(4")	80 mm(3")	100 mm(4")
	Connection thread	Outer Pipe Thread BSP or NPT				
	Total head	22m (72 ft)	21 m (68 ft)	24 m (78 ft)	22 m (72 ft)	25 m (82 ft)
	Discharge volume	680 L/min (179 USG/min)	1370 L/min (361 USG/min)	1680 L/min (443 USG/min)	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				
ENGINE	Type	Forced Air-Cooled 4-stroke Gasoline Engine				
	Model	Koshin K180	Koshin K300	Koshin K420	Koshin K300	Koshin K420
	Displacement	179cc	301cc	420cc	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	5.0 kW (6.8 PS) / 3600 rpm	7.2 kW (9.8 PS) / 3600 rpm
	Max. output	3.5 kW (4.8PS) / 3600 rpm	6.0 kW (8.2 PS) / 3600 rpm	8.6 kW (11.7 PS) / 3600 rpm	6.0 kW (8.2 PS) / 3600 rpm	8.6 kW (11.7 PS) / 3600 rpm
	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)	5.9L (1.5 USG)	5.9L (1.5 USG)
	Continuous operating time	Approx. 2.0 hrs	Approx. 2.0 hrs	Approx. 1.5 hrs	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)	65.3 kg (144.0 lbs)	81.2 kg (179.0 lbs)
Gross weight		54 kg (119 lbs)	68.4 kg (150.8 lbs)	88.0 kg (194.0 lbs)	72.6 kg (160.1 lbs)	90.5 kg (199.5 lbs)
Dimensions L×W×H (mm)		703 × 579 × 542	726 × 579 × 603	816 × 621 × 632	729 × 589 × 602	800 × 621 × 624
Packing unit		1	1	1	1	1

KOSHIN

Heavy Duty Trash Pump

Suitable for use with sandy and muddy water

KTZ series



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SPECIALLY DESIGNED FOR USE WITH SANDY AND MUDDY WATER

KTZ TRASH PUMP is a highly durable pump specially designed for heavy-duty use on construction sites and suitable for water containing solids. When operating with water containing solids, regular maintenance is required. With the convenient design for maintenance, you can easily clean, repair and shorten down time.

X-TYPE



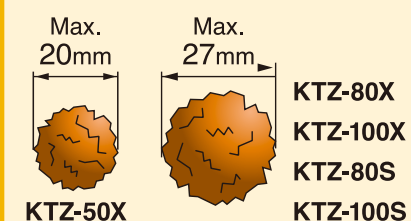
S-TYPE



Comparison of Specifications

Connection dia	Type	Total head	Discharge volume	Engine
50mm	X	22m	680L/min	KOSHIN K180
80mm	X	21m	1370L/min	KOSHIN K300
	S	22m	1420L/min	KOSHIN K300
100mm	X	24m	1680L/min	KOSHIN K420
	S	25m	1980L/min	KOSHIN K420

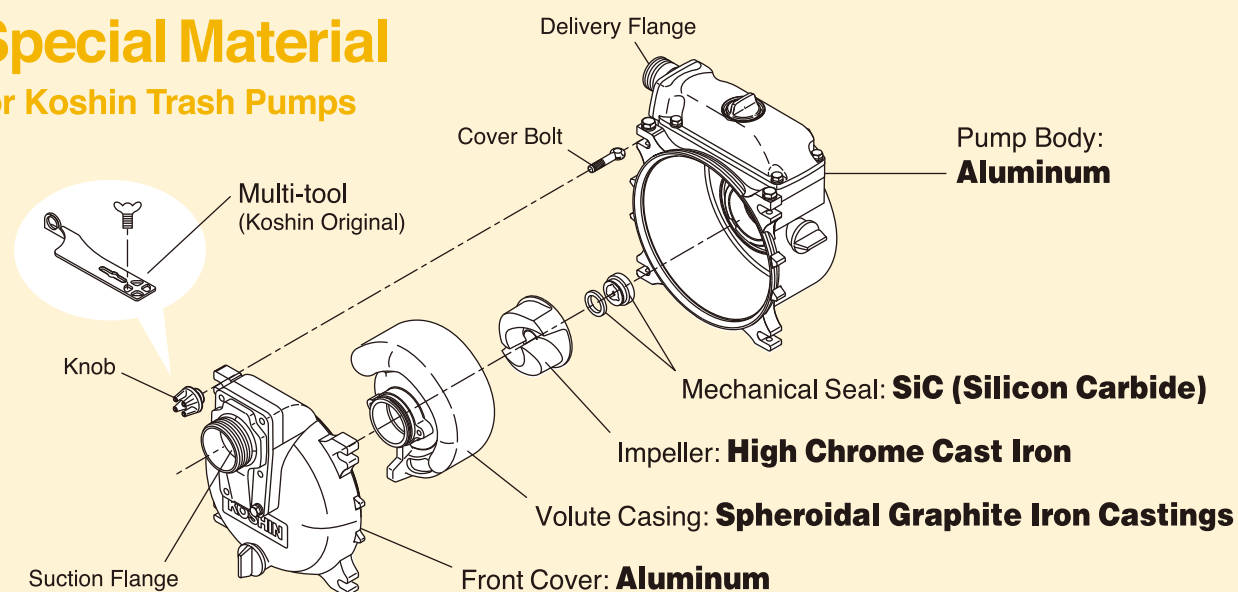
Solid Sizes



DURABLE MATERIALS

Made from durable materials that can resist sandy and muddy water

Special Material for Koshin Trash Pumps



SPECIAL FEATURES FOR S-TYPE

Point
1

Easy removal of impeller with a hex bolt



Hex bolt
Easily remove with a nut driver.

Point
2

Can remove front cover with a standard accessory, multi-tool



No special tools are required.

Point
3

Handle of front cover can be placed either horizontally or vertically



Can choose installing direction at your own convenience.

Point
4

Front cover can be opened without removing any hoses



Easy maintenance and less down time.

Point
5

Lifting eye



Fitting lifting eye to be lifted by heavy machinery.

For Sandy and Muddy Water

• SIC

Silicon Carbide Mechanical Seal 4-5 times more durable than Standard Carbon Ceramic mechanical seal.

• FCD

Spheroidal Graphite Iron Casting for Impeller & Volute Casing 6.5 times more erosion resistance than Standard Cast Iron (FC200)



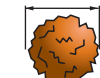
Solid Sizes

Max. 8mm

Max. 9mm



50X Type

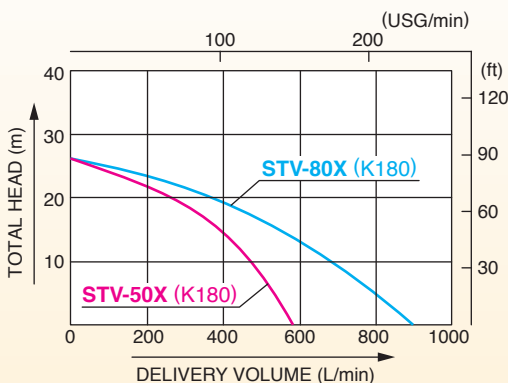


80X Type

■ Outstanding Features

- Suitable for Sandy and Muddy Water usage
- Particles up to 9 mm can be pumped through
- Guaranteed 8 meters suction lift
- Long bolt assembly for easy maintenance

■ Performance Curve



STV-80X

■ Specification

Model		STV-50X	STV-80X
PUMP	Connection Dia	50 mm (2")	80 mm (3")
	Connection Thread	Outer Pipe Thread BSP or NPT	
	Total Head	26 m (85 ft)	
	Delivery Volume	580 L/min (153 USG/min)	900 L/min (238 USG/min)
	Max. Suction Lift	8 m (26 ft)	
ENGINE	Type	Forced Air-cooled 4-stroke Gasoline Engine	
	Model	Koshin K180	
	Displacement	179 cc	
	Rated Output	3.1 kW (4.2 PS) / 3600 rpm	
	Max. Output	3.5 kW (4.8 PS) / 3600 rpm	
	Fuel	Automotive Unleaded Gasoline	
	Fuel Tank Capacity	3.6 L (0.95 USG)	
	Continuous Operating Time	Approx. 2 hrs	Approx. 1.6 hrs
	Starting Method	Recoil Starter	
	Standard Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set, 1 Spanner	
Net Weight		29 kg (63 lbs)	30.9 kg (68.1 lbs)
Gross Weight		31 kg (68.3 lbs)	32.9 kg (72.5 lbs)
Dimensions LxWxH (mm)		554 × 400 × 471	593 × 425 × 528
Packing Unit		1	

Clear Water Pump

Powered by KOSHIN

**Diesel
Engine**



SEV-80D



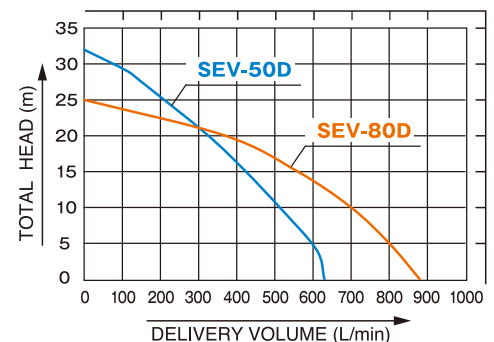
SEV-50D

Outstanding Features

- KOSHIN NEW DIESEL ENGINE KD300
- Guaranteed 8M suction lift
- Suitable for mining, shipboard, fire-fighting and construction sites

Model name			SEV-50D	SEV-80D
Pump	Connection dia	Suction	50mm (2")	80mm (3")
		Discharge	50mm (2")	80mm (3")
	Connection thread		Outer pipe thread BSP	
	Total head		32m (104 ft)	25m (82 ft)
	Discharge volume		630L/min (166USG/min)	880L/min (232USG/min)
	Max. suction head		8m (26 ft)	
Engine	Type		Forced air-cooled 4-stroke diesel engine	
	Model		KOSHIN KD300	
	Displacement		296cm3	
	Rated output		4.0kW (5.4 PS) / 3600rpm	
	Max. output		4.4kW (6.0 PS) / 3600rpm	
	Fuel		Diesel fuel	
	Fuel tank capacity		Tank size: 3.5L(0.92USG), Usage level: 3L(0.79USG)	
	Engine oil		CC or CD, Winter:5W-30, Other season:10W-30	
	Engine oil capacity		1.1L(0.29 USG)	
	Continuous operating time		Approx.2.3hrs	Approx.2.2hrs
Applicable Liquids	Starting method		Recoil starter	
	Consistency		Clear water	
	Suspended solid percentage		-	
	Max. solids size		-	
	Temperature		5-45°C (41-113 ° F)	
Standard accessories			1 Strainer, 2 Coupling sets, 3 Hose bands, 1 Engine tool	
Net weight			46.1kg (101.6 lbs)	48.6kg (107.1lbs)
Gross weight			50.8kg (111.9 lbs)	53.8kg (118.6lbs)
Product dimensions L x W x H			600x520x550mm (24"x 21"x 22")	
Packing dimensions L x W x H			633x553x580mm (25"x 22"x 23")	

Performance Curve



*For the purpose of improvement, specifications are subject to changes without notice.

*Self-priming performance may decrease due to atmospheric pressure or outside air temperature. If self-priming lift is not enough, add priming water to pump casing.

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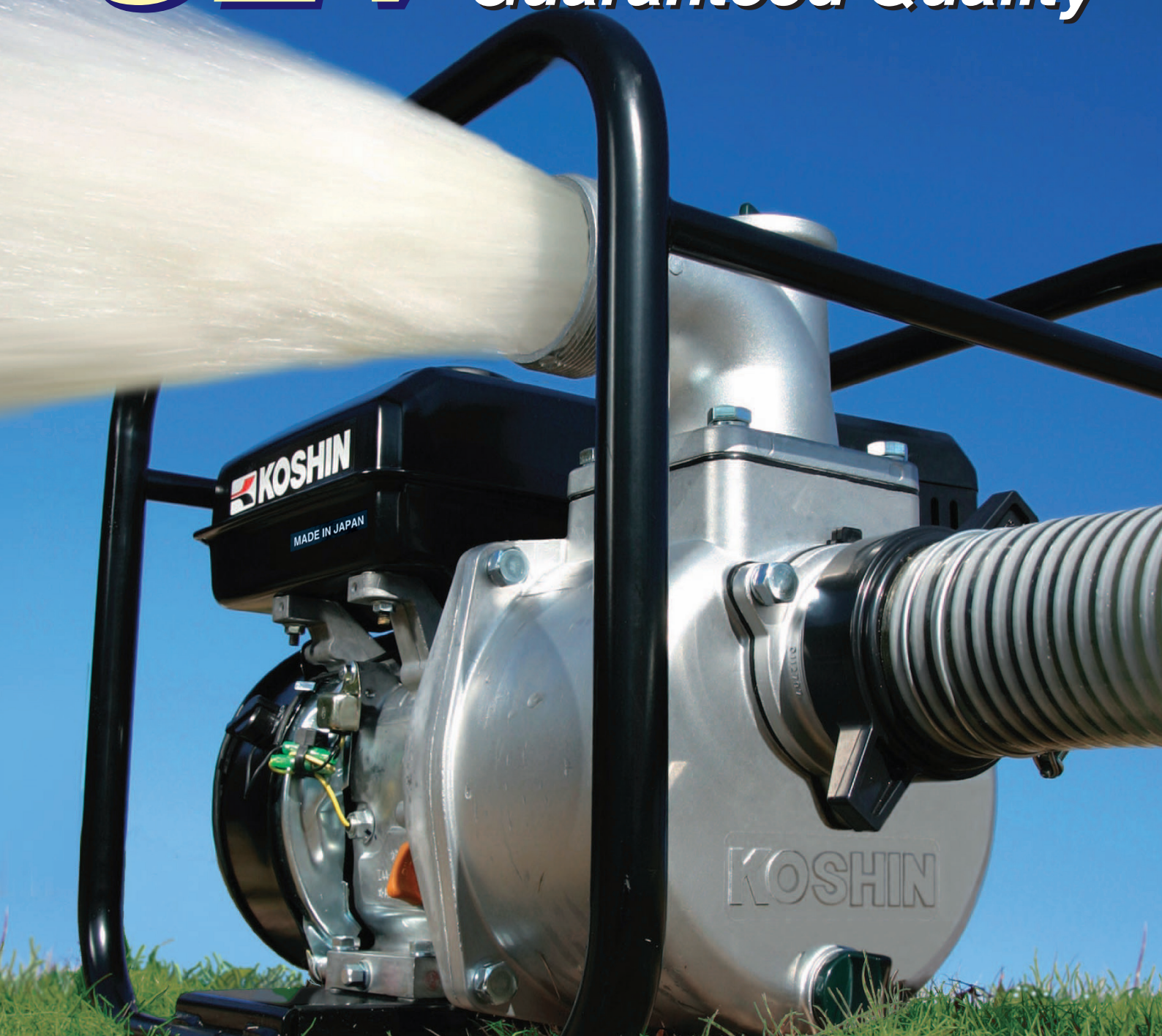
Trusted high quality worldwide

KOSHIN

HIDELS PUMPS

SEV series

SEV *Competitive Price
&
Guaranteed Quality*



MADE IN JAPAN

SEV-80X
powered by **KOSHIN**

 **KOSHIN LTD.**



HIDELS PUMP

SEV Series



GUARANTEED

- **Engine & Pump spare parts service!!**
- **Specification & Quality!!**
- **Sales support!!**

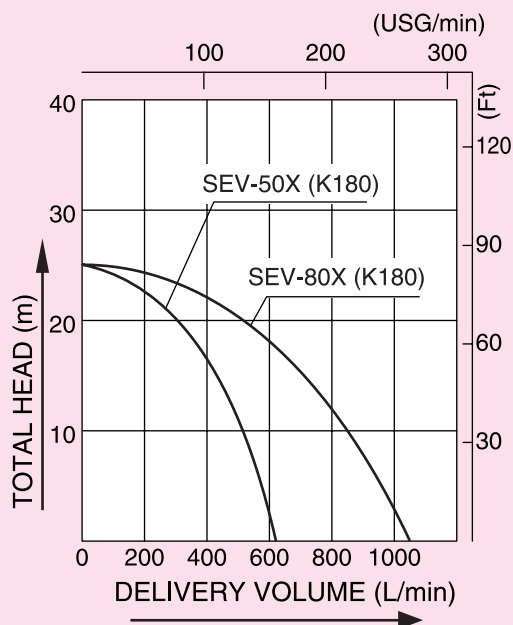


SEV-50X



SEV-80X

Performance curve



Specifications

Model		SEV-50X	SEV-80X	
PUMP	Connection Dia		50m/m (2")	80m/m (3")
	Connection Thread		BSP / NPT	
	Total Head		25m (82ft)	
	Delivery Volume		620L/min (163USG/min)	1050 L/min (277USG/min)
	Max. Suction Head		8m (26ft)	
ENGINE	Model		KOSHIN K180	
			Forced Air-cooled 4-stroke Gasoline Engine	
	Exhaust Volume		179cc	
	Output	Rated Power	3.1kW(4.2PS)/3600rpm	
	Fuel		Automotive Unleaded Gasoline	
	Fuel Tank Capacity		3.6L (0.95USG)	
	Continuous Operating Time		Approx. 2hour (full tank)	Approx. 1.6hour (full tank)
Starting Method		Recoil Starter		
Standard Accessories		1 Strainer, 3 Hose Bands, 1 Engine Tool Set		
Net Weight		24.2kg (53.3lb)	27.7kg (61lb)	
Gross Weight		26.2kg (57.7lb)	29.7kg (65.41lb)	

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