



2021



Catalog

Clear Water Pumps

High Pressure Pumps

Semi Trash Pumps

Trash Pumps

Seawater / Chemicals Pumps

Submersible Pumps



Symbol Legend:



GARDEN



IRRIGATION



LAWN
SPRINKLERS



FIRE FIGHTING



WASHING



SUPPORT
HEIGHT



AQUARIUM



SHIPBOATING



CIRCULATING



CONSTRUCTION



FOUNDRY



FISH FARMS



SALT WATER



CHEMICALS



SWIMMING
POOL



OIL (VISCOSITY)



200 L
BARREL



SILICON CARBIDE
MECHANICAL SEAL



QUIET



ACCUMULATOR



DRY
BATTERY



ENVIRONMENTALLY
FRIENDLY

KOSHIN Germany
Austria
Switzerland

EES Energie-Erzeugung-Systeme GmbH - Daumstrasse 50 - 13599 Berlin - Germany
www.koshin-pump.com



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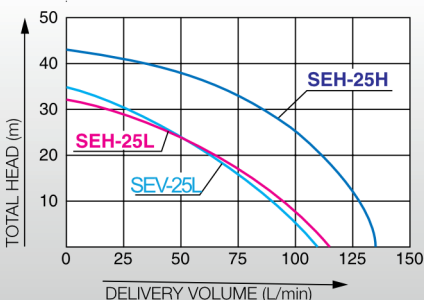
Clear Water Pumps 1" (25 mm) 2- and 4-stroke engine

Ultra portable and powerful pump for gardening, washing and landscape irrigation. Super light and powerful 2- and 4-stroke engine make those pumps very easy to use in all applications.

- Up to 50% fuel savings & noise reduction *
- Twice the life span *

* Fuel consumption and engine noise compared to 2-stroke engines of the Superlight series.

2
STROKE



Applications:

- Water irrigation with sprinkle systems
- Gardening / orchard cultivation
- Pumping of well water
- Filling water reservoirs
- Filling or draining water from ponds
- Filling or draining water from fish farms
- Washing of livestock, barns or agricultural equipment
- Pumping water with solid particles up to 2 mm

4
STROKE

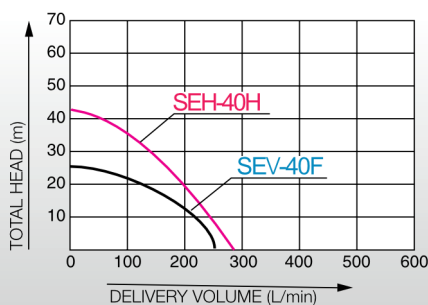


Model	SEV-25L	SEH-25L	SEH-25H
Connection Dia	25 mm (1")		
Connection Thread	Outer Pipe Thread BSP or NPT		
Total Head	32 m	32 m	43 m
Delivery Volume	110 L/min	115 L/min	135 L/min
Max. Suction Lift	8 m		
Grain size	Max. 2 mm		
Motortype	Forced Air-cooled 2-stroke Gasoline	Forced Air-cooled 4-stroke Gasoline	
Motor	Kochin KC26	Honda GX25	Honda GXH 50
Cubic Capacity	26 ccm	25 ccm	49 ccm
Rated Output	-----		
Max. Output	0,7 kW (0,93 PS) / 7500 rpm	0,72 kW (1 PS) / 7000 rpm	1,6 kW (2,5 PS) / 7000 rpm
Fuel	2-stroke Mixed Gas and Oil (50:1)	Automotive Unleaded Gasoline	
Fuel Tank Capacity	0,6 L	0,58 L	0,77 L
Continuous Operating Time	Approx. 50 min	Approx. 60 min	Approx. 60 min
Starting Method	Recoil Starter		
Standard Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set		
Weight, netto	5,5 kg	5 kg	12 kg
Dimensions (in mm)	358 X 263 X 323	375X 243 X 320	385 X 311 X 453

Subject to technical changes at any time!

Clear Water Pumps 1 1/2" (40 mm) 4-stroke engine

These lightweight, high capacity, die-cast aluminium pumps have a very effective mechanical seal made of carbon-ceramic for extra strength and durability and a metal handle for easy handling transport. They are well suited for irrigation of fields, gardening, pumping water from wells, pumping water out of/ into ponds, fish farming and more.



SEH-40H



SEV-40F

Applications:

- Paddy fields irrigation
- Water irrigation with sprinkle systems
- Gardening / orchard cultivation
- Pumping water from wells
- Filling water reservoirs
- Filling or draining water from ponds
- Filling or draining water from fish farms
- Washing of livestock, barns or agricultural equipment
- Pumping water with solid particles up to 2 mm

Model	SEV-40F	SEH-40H
Connection Dia	40 mm (1 1/2")	
Connection Thread	Outer Pipe Thread BSP or NPT	
Total Head	26 m	43 m
Delivery Volume	260 L/min	280 L/min
Max. Suction Lift	8 m	
Grain size	Max. 2 mm	
Motortype	Forced Air-cooled 4-stroke Gasoline	
Motor	Koshin K100	Honda GXH 50
Cubic Capacity	98 ccm	49,4 ccm
Rated Output	1,6 kW (2,2 PS) / 3600 rpm	1,6 kW (2,2 PS) / 7000 rpm
Max. Output	-----	
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	2,0L	0,77 L
Continuous Operating Time	Approx. 2 hrs.	
Starting Method	Recoil Starter	
Standard Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set	
Weight, netto	18 kg	11,5 kg
Dimensions (in mm)	428 X 308 X 374	405 X 302 X 447

Subject to technical changes at any time!

Clear Water Pumps 2" (50 mm) 4-stroke engine

For use in agriculture, we offer a comprehensive range of machines that make the daily work of every farmer easier. Here you will find large motorised pumps which are both suited for irrigation and drainage of large arable areas.

Applications:

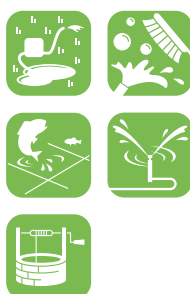
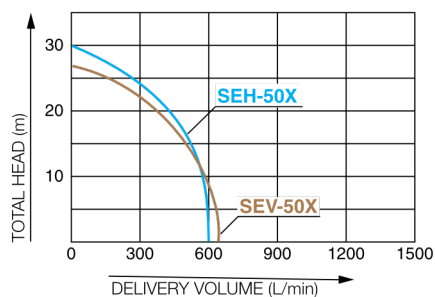
- Paddy fields irrigation
- Water irrigation with sprinkle systems
- Gardening / orchard cultivation
- Pumping water from wells
- Filling water reservoirs
- Filling or draining water from ponds
- Filling or draining water from fish farms
- Washing of livestock, barns or agricultural equipment
- Pumping water with solid particles up to 3 mm



SEV-50X



SEH-50X



Model	SEH-50X	SEV-50X
Connection Dia	50 mm (2")	
Connection Thread	Outer Pipe Thread BSP or NPT	
Total Head	30 m	27 m
Delivery Volume	600 L/min	620 L/min
Max. Suction Lift	8 m	
Grain size	Max. 3 mm	
Motortype	Forced Air-cooled 4-stroke Gasoline	
Motor	Honda GX120	KOSHIN K180
Cubic Capacity	118 ccm	179 ccm
Rated Output	2,1 kW (2,9 PS) / 3600 rpm	3,1 kW (4,2 PS) / 3600 rpm
Max. Output	2,4 kW (3,6 PS) / 3600 rpm	-----
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	2 L	3,6 L
Continuous Operating Time	Approx. 2 hrs.	Approx. 2,6 hrs.
Starting Method	Recoil Starter	
Standard Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set	
Weight, netto	21 kg	25,2 kg
Dimensions (in mm)	483 X 375 X 376	504 X 405 X 411

Subject to technical changes at any time!

Clear Water Pumps 3" (80 mm) 4-stroke engine

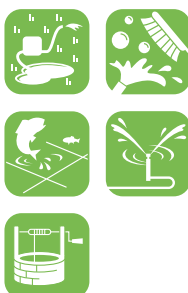
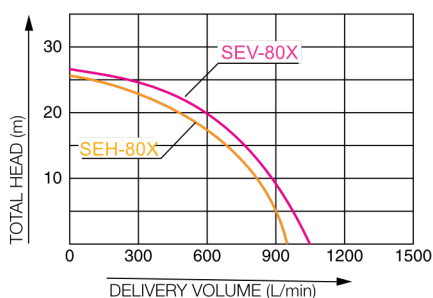
Strong and lightweight die-cast aluminium pumps that meet high requirements, are very reliable and have a long life span. Highly effective mechanical seals made of special carbon-ceramic provides additional durability and resistance of the pumps. The entire unit is protected by a robust frame.

Applications:

- Paddy fields irrigation
- Water irrigation with sprinkle systems
- Gardening / Orchard cultivation
- Pumping water from wells
- Filling water reservoirs
- Filling or draining water from ponds
- Filling or draining water from fish farms
- Washing of livestock, barns or agricultural equipment
- Pumping water with solid particles up to 3 mm



SEH-80X



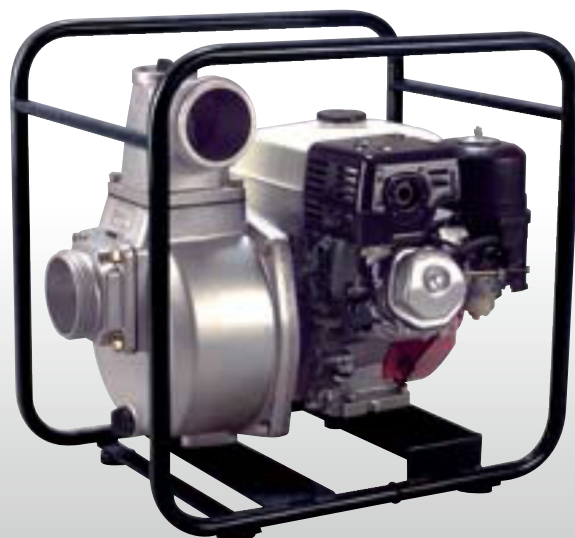
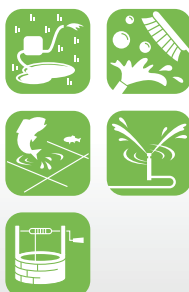
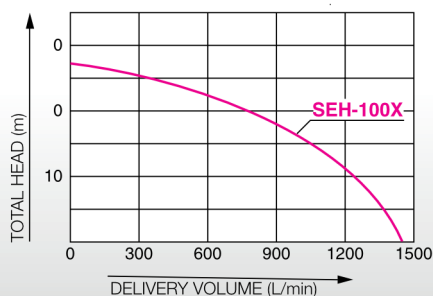
SEV-80X

Model	SEH-80X	SEV-80X
Connection Dia	80 mm (3")	
Connection Thread	Outer Pipe Thread BSP or NPT	
Total Head	26 m	27 m
Delivery Volume	930 L/min	1050 L/min
Max. Suction Lift	8 m	
Grain size	Max. 3 mm	
Motortype	Forced Air-cooled 4-stroke Gasoline	
Motor	Honda GX160	Koshin K180
Cubic Capacity	163 ccm	179 ccm
Rated Output	2,9 kW (3,9 PS) / 3600 rpm	3,1 kW (4,2 PS) / 3600 rpm
Max. Output	3,6 kW (4,9 PS) / 3600 rpm	-----
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	3,1 L	3,6 L
Continuous Operating Time	Approx. 2 h 10 min	Approx. 2 h 30 min
Starting Method	Recoil Starter	
Standard Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set	
Weight, netto	27 kg	28,7 kg
Dimensions (in mm)	525 X 389 X 458	543 X 425 X 460

Subject to technical changes at any time!

Clear Water Pumps 4" (100 mm) 4-stroke engine

Large-engine service water pumps are ideal for intensive use. Suitable to pump larger quantities of water.



SEH-100X

Applications:

- Paddy fields irrigation
- Water irrigation with sprinkle systems
- Gardening / Orchard cultivation
- Pumping water from wells
- Filling water reservoirs
- Filling or draining water from ponds
- Filling or draining water from fish farms
- Washing of livestock, barns or agricultural equipment
- Pumping water with solid particles up to 3 mm

Model	SEH-100X
Connection Dia	100 mm (4")
Connection Thread	Outer Pipe Thread BSP or NPT
Total Head	28 m
Delivery Volume	1450 L/min
Max. Suction Lift	8 m
Grain size	Max. 3 mm
Motortype	Forced Air-cooled 4-stroke Gasoline
Motor	Honda GX240
Cubic Capacity	242 ccm
Rated Output	4,6 kW (6,3 PS) / 3600 rpm
Max. Output	5,9 kW (8,0 PS) / 3600 rpm
Fuel	Automotive Unleaded Gasoline
Fuel Tank Capacity	5,3 L
Continuous Operating Time	Approx. 2 h 30 min
Starting Method	Recoil Starter
Standard Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set
Weight, netto	54 kg
Dimensions (in mm)	680 X 490 X 675

Subject to technical changes at any time!

High Pressure Pumps 2" (50 mm) 4-stroke engine

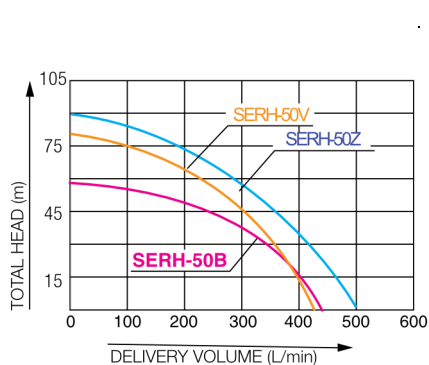
The high delivery pressures make these motor pumps ideal for sprinkler systems, plantation irrigation or fire fighting. SERH-50V and SERH-50Z have three-way connection flange.

Applications:

- Water irrigation with sprinkle systems
- Fire fighting
- Pumping large quantities of water over long distances
- Paddy fields irrigation
- Gardening / orchard cultivation
- Pumping water from wells
- Filling water reservoirs
- Filling or draining water from ponds
- Filling or draining water from fish farms
- Washing of livestock, barns or agricultural equipment
- Process water with solid particles up to 3 mm



SERH-50V



SERH-50Z



SERH-50B

Model	SERH-50B	SERH-50V	SERH-50Z
Connection Dia	50 mm (2")	IN: 50 mm (2"); OUT: 50 mm (2") / 25 mm (1") x 2	
Connection Thread	Outer Pipe Thread BSP or NPT		
Total Head	57 m	80 m	90 m
Delivery Volume	440 L/min	430L/min	500 L/min
Max. Suction Lift	8 m		
Grain size	Max. 3 mm		
Motortype	Forced Air-cooled 4-stroke Gasoline		
Motor	Honda GX160	Honda GX160HR	Honda GX200HR
Cubic Capacity	163 ccm	163 ccm	196 ccm
Rated Output	2,9 kW (3,9 PS) / 3600 rmm	3,2 kW (4,3 PS) / 3600 rmm	3,7 kW (5,0 PS) / 3600 rmm
Max. Output	3,6 kW (4,9 PS) / 3600 rmm		
Fuel	Automotive Unleaded Gasoline		
Fuel Tank Capacity	3,1 L	3,1 L	3,1 L
Continuous Operating Time	Approx. 2 h 10 min	Approx. 2 h	Approx. 2 h
Starting Method	Recoil Starter		
Standard Accessories	2 Coupling Set, 3 Hose Bands (φ60), 1 Strainer, 1 Engine Tool Set	1 Strainer, 3 Hose Bands (φ60), 2 Hose Bands (φ32), 1 Coupling Set (50 mm), 1 Closing Plate (50 mm), 2 Nipples (25 mm), 1 Quick Coupling (25 mm) (*BSP model only), 1 Engine Tool	
Weight	31 kg	34kg	34,6 kg
Dimensions (in mm)	535 X 405 X 440	555 X 450 X 468	570 X 450 X 468

Subject to technical changes at any time!

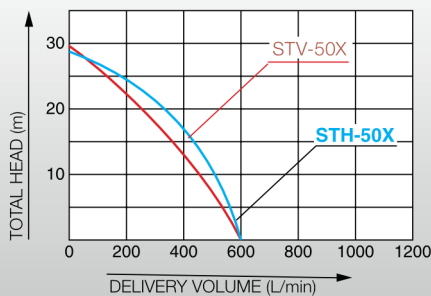
Semi Trash Pumps 2" (50 mm) 4-stroke engine

Economical pumps that are ideal for water applications with dirt particles up to 8 mm.

Applications:

- Guaranteed suction height of 8 meters*
- Silicon carbide mechanical seal: 4-5 times more resistant than standard carbon-ceramic mechanical seal
- Nodular cast iron (FCD) for impeller & volute casing provides 10 times more erosion resistance than regular cast iron

* At 0 m above sea level



Grain size

Max. 8mm Max. 9mm

50X Type 80X Type



STH-50X

Model	STH-50X	STV-50X
Connection Dia	50 mm (2")	
Connection Thread	Outer Pipe Thread BSP or NPT	
Total Head	29 m	26 m
Delivery Volume	600 L/min	580 L/min
Max. Suction Lift	8 m	
Grain size	Max. 8 mm	
Motortype	Forced Air-cooled 4-stroke Gasoline	
Motor	Honda GX120	KOSHIN K180
Cubic Capacity	118 ccm	179 ccm
Rated Output	2,1 kW (2,9 PS) / 3600 rpm	3,1 kW (4,2 PS) / 3600 rpm
Max. Output	2,6 kW (3,5 PS) / 3600 rpm	-----
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	2 L	3,6 L
Continuous Operating Time	Approx. 2 h	
Starting Method	Recoil Starter	
Standard Accessories	1 strainer, 2 hose couplings, 3 hose bands, 1 motor tool set	
Weight	23 kg	29 kg
Dimensions (in mm)	500 X 395 X 415	554 X 400 X 471

Subject to technical changes at any time!

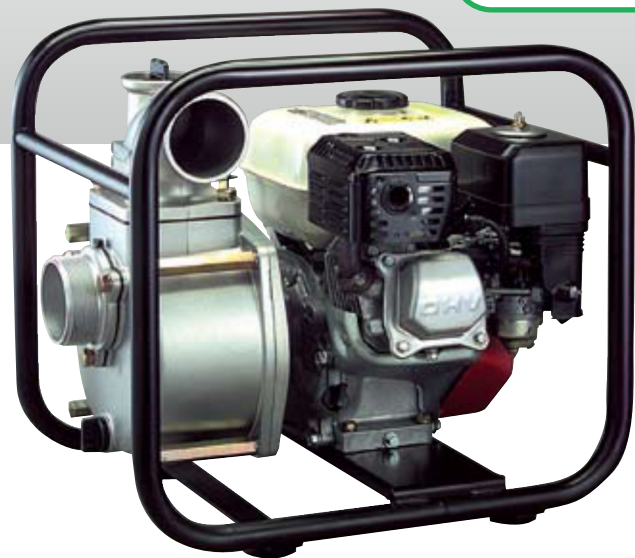
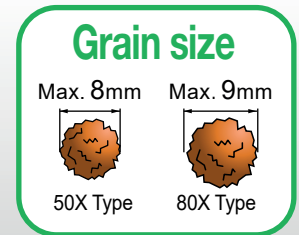
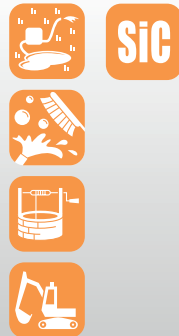
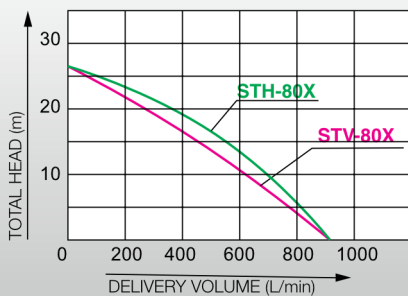
Semi Trash Pumps 3" (80 mm) 4-stroke engine

Economical waste water pumps which are perfect for sandy and muddy water with dirt particles up to 9 mm.

Applications:

- Guaranteed suction height of 8 meters*
- Silicon carbide mechanical seal: 4-5 times more resistant than standard carbon-ceramic mechanical seal
- Nodular cast iron (FCD) for impeller & volute casing provides 10 times more erosion resistance than regular cast iron

* At 0 m above sea level



STH-80X

Model	STH-80X	STV-80X
Connection Dia	80 mm (3")	
Connection Thread	Outer Pipe Thread BSP or NPT	
Total Head	26 m	
Delivery Volume	900 L/min	
Max. Suction Lift	8 m	
Grain size	Max. 9 mm	
Motortype	Forced Air-cooled 4-stroke Gasoline	
Motor	Honda GX160	KOSHIN K180
Cubic Capacity	163 ccm	179 ccm
Rated Output	2,9 kW (3,9 PS) / 3600 rpm	3,1 kW (4,2 PS) / 3600 rpm
Max. Output	3,6 kW (4,9 PS) / 3600 rpm	-----
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	3,1 L	3,6 L
Continuous Operating Time	Approx. 2 h	Approx. 1,6 h
Starting Method	Recoil Starter	
Standard Accessories	1 strainer, 2 hose couplings, 3 hose bands, 1 motor tool set	
Weight	29 kg	30,9 kg
Dimensions (in mm)	525 X 389 X 473	593 X 425 X 528

Subject to technical changes at any time!

Trash Pumps 2" (50 mm) 4-stroke engine

Powerful pumps, specially designed for heavy duty tasks! Their special construction and Wear-resistant materials should ensure high capacity and suction power.

- **Excellent durability of the seal:**

Conventional carbon-ceramic mechanical seal has been replaced by silicon carbide (SiC) seal. SiC Seal was developed by Koshin Ltd. We are the first German manufacturer to offer these high-quality products from Japan.

- **Sophisticated design:**

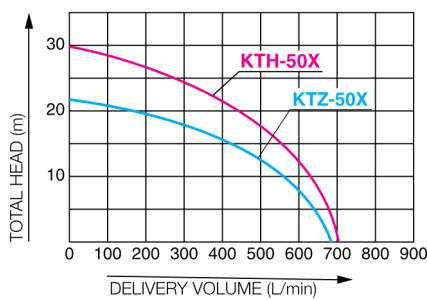
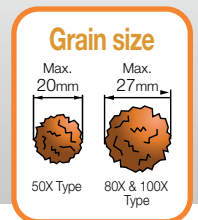
Speziell entwickelte Steckverbindung am Laufrad ermöglicht eine einfache Entfernung. Stecken Sie einfach eine Stange ein und drehen Sie diese, um das Laufrad von dem Gehäuse zu trennen. Bei dieser Verbindungsart ist somit kein Spezialwerkzeug notwendig.

- **Light weight and compact design:**

Konventionelle Abwasserpumpen sind sehr sperrig und schwer, idR mehr als 100 kg. KTH-100X, das größte Agregat aus unserem Sortiment, wiegt nur 78 kg. Die kompakte Bauweise benötigt weniger Platz und ist tragbar. Spezielle Struktur soll hohe Kapazität sicherstellen. Koshin Abwasserpumpen bieten eine exzellente Leistung und Haltbarkeit.

Applications:

- Suitable for sandy and muddy water with particles up to 20 mm
- Washing of livestock, barns or agricultural equipment
- Water irrigation with sprinkler systems
- Pumping water from wells



Model	KTH-50X	KTZ-50X
Connection Dia	50 mm (2")	
Connection Thread	Outer Pipe Thread BSP or NPT	
Total Head	30 m	22m
Delivery Volume	700 L/min	680 L/min
Max. Suction Lift	8 m	
Grain size	Max. 20 mm	
Mechanical Seal Material	Sic (Silicon Carbide) x Sic	
Impeller Material	Hi-Chrome	
Volute Material	Spheroidal Graphite Iron Castings (FCD450)	
Motortype	Forced Air-cooled 4-stroke Gasoline	
Motor	Honda GX160	Koshin K180
Cubic Capacity	163 ccm	179 ccm
Rated Output	2,9 kW (3,9 PS) / 3600 rpm	3.1 kW (4.2 PS) / 3600 rpm
Max. Output	3,6 kW (4,9 PS) / 3600 rpm	3,5 kW (4,8 PS) / 3600 rpm
Fuel	Automotive Unleaded Gasoline	
Fuel Tank Capacity	3,1 L	3,6 L
Continuous Operating Time	Approx. 2 h 10 min	Approx. 2 h.
Starting Method	Recoil Starter	
Standard Accessories	1 strainer, 2 hose couplings, 3 hose bands, 1 motor tool set	
Weight	47 kg	48,1 kg
Dimensions (in mm)	646 X 488 X 509	706 X 565 X 516

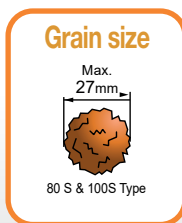
Subject to technical changes at any time!

Trash Pumps 3" (80 mm) 4-stroke engine

Powerful trash pumps are suitable for water with particles up to 27 mm in diameter.

Applications:

- Suitable for sandy and muddy water with particles up to 27 mm
- Washing of livestock, barns or agricultural equipment
- Water irrigation with sprinkle systems
- Pumping water from wells



KTH-80X



KTZ-80S



Model	KTH-80X	KTZ-80X	KTZ-80S
Connection Dia	80 mm (3")		
Connection Thread	Outer Pipe Thread BSP or NPT		
Total Head	27 m	21m	22 m
Delivery Volume	1340 L/min	1370 L/min	1420L/min
Max. Suction Lift	8 m		
Grain size	Max. 27 mm		
Mechanical Seal Material	Sic (Silicon Carbide) × Sic		
Impeller Material	Hi-Chrome		
Volute Material	Spheroidal Graphite Iron Castings (FCD450)		
Motortype	Forced Air-cooled 4-stroke Gasoline		
Motor	Honda GX240	Koshin K300	
Cubic Capacity	242 ccm	301 ccm	
Rated Output	4,4 kW (6 PS) / 3600 rpm	5,0 kW (6,8 PS) / 3600 rpm	
Max. Output	5,3 kW (7,2 PS) / 3600 rpm	6,0 kW (8,2 PS) / 3600 rpm	
Fuel	Automotive Unleaded Gasoline		
Fuel Tank Capacity	5,3 L	5.9 L	
Continuous Operating Time	Approx. 2 h. 30 min	Approx. 2 h.	
Starting Method	Recoil Starter		
Standard Accessories	1 strainer, 2 hose couplings, 3 hose bands, 1 motor tool set		
Weight	63 kg	61,6 kg	65,3 kg
Dimensions (in mm)	721 X 516 X 586	728 X 576 X 565	732 X 596 X 603

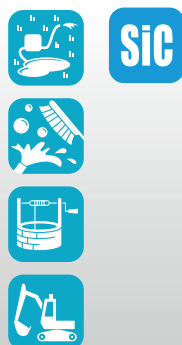
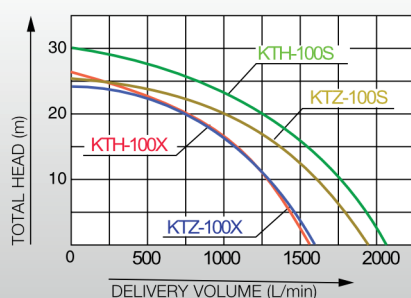
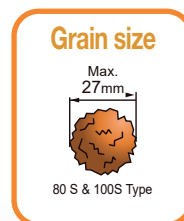
Subject to technical changes at any time!

Trash Pumps 4" (100 mm) 4-stroke engine

Efficient waste water pumps suitable for water with particles up to 27 mm. in diameter.

Applications:

- Suitable for sandy and muddy water with particles up to 27 mm
- Washing of livestock, barns or agricultural equipment
- Water irrigation with sprinkle systems
- Pumping water from wells



KTZ-100X



KTZ-100S

Model	KTH-100X	KTH-100S	KTZ-100X	KTZ-100S
Connection Dia	100 mm (4")			
Connection Thread	Outer Pipe Thread BSP or NPT			
Total Head	26 m	30 m	24 m	25 m
Delivery Volume	1650 L/min	2050 L/min	1680 L/min	1980 L/min
Max. Suction Lift	8 m			
Grain size	Max. 27 mm			
Mechanical Seal Material	Sic (Silicon Carbide) × Sic			
Impeller Material	Hi-Chrome			
Volute Material	Spheroidal Graphite Iron Castings (FCD450)			
Motortype	Forced Air-cooled 4-stroke Gasoline			
Motor	Honda GX340	Honda GX390	Koshin K420	
Cubic Capacity	389 ccm	389 ccm	420 ccm	
Rated Output	6,3 kW (8,6 PS) / 3600 rpm	7 kW (9,5 PS) / 3600 rpm	7,2 kW (9,8 PS) / 3600 rpm	
Max. Output	8,0 kW (10,9 PS) / 3600 rpm	8,7 kW (11,8 PS) / 3600 rpm	8,6 kW (11,7 PS) / 3600 rpm	
Fuel	Automotive Unleaded Gasoline			
Fuel Tank Capacity	6,1 L	6,1 L	5,9 L	
Continuous Operating Time	Approx. 2 h	Approx. 2 h	Approx. 1,5 h	
Starting Method	Recoil Starter			
Standard Accessories	1 strainer, 2 hose couplings, 3 hose bands, 1 motor tool set			
Weight	78 kg	82 kg	78,2 kg	81.2 kg
Dimensions (in mm)	780 X 570 X 652	785 X 565 X 630	819 X 628 X 633	803 X 628 X 620

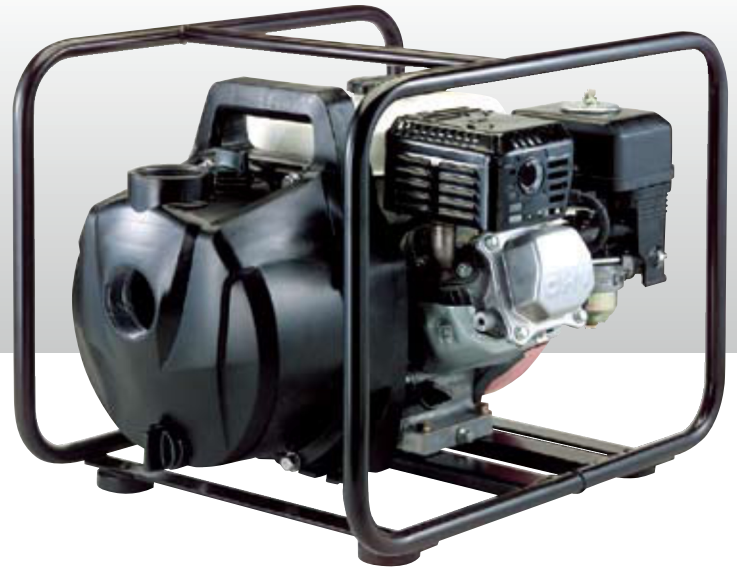
Subject to technical changes at any time!

Seawater / Chemicals Pumps 2“ (50 mm) 4-stroke engine

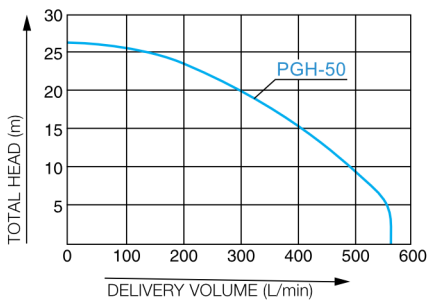
For use in agriculture, marine and fishery, we offer good solutions for transporting seawater and chemicals.

Applications:

- PET (polyethylene terephthalate) for pump casing, impeller and volute casing.
- EPDM and carbon-ceramic for mechanical seal.
- All screws and washers made of stainless steel.
- Supported by strong and durable motors.



PGH-50



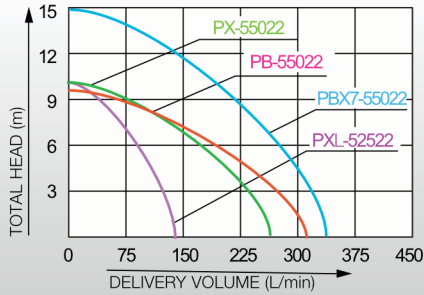
Model	PGH-50
Connection Dia	50mm (2")
Connection Thread	Inner Pipe Thread BSP
Total Head	26 m
Delivery Volume	560 L/min
Max. Suction Lift	8 m
Grain size	Max. 2 mm
Mechanical Seal Material	Ceramic Carbon
Max. Pressure	0,26 MPa
Motortype	Forced Air-cooled 4-stroke Gasoline
Motor	Honda GX120
Cubic Capacity	118 ccm
Rated Output	2,1 kW (2,9 PS) / 3600 rpm
Max. Output	2,6 kW (3,5 PS) / 3600 rpm
Fuel	Automotive Unleaded Gasoline
Fuel Tank Capacity	2,5 L
Continuous Operating Time	Approx. 2 h
Starting Method	Recoil Starter
Standard Accessories	1 Strainer, 3 Hose Nipples, 1 Elbow, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set
Weight	19,8 kg
Dimensions (in mm)	510 X 418 X 433

Subject to technical changes at any time!

Submersible Pumps for Ground Water

Our powerful submersible pumps suits ideally for multiple complex tasks. Double mechanical seal in oil chamber is filled with liquid paraffin and prevents damage from dry running. The shaft seal is also filled with liquid paraffin. Pumped water is not contaminated in case of oil loss.

Temperature monitor interrupts the operation in case of overload during work. Connecting flange can be turned by 90°.



PX-55022



PXL-55022



PBX-55022

Applications:

- Drainage of ground water
- Disposal of residual water from roof tanks of buildings, swimming pools, etc.
- For the building site
- For pond / aquarium use
- Irrigation
- House / garden area

Model	PBX-55022	PBX7-55022	PX-55022	PXL-52522
Connection Dia		50 mm (2")		25 mm (1")
Total Head	9,5 m	15 m		10 m
Delivery Volume	310 L/min	330 L/min	260 L/min	120 L/min
Grain size		Max. 6 mm		Max. 1 mm
Motortype	Condensor Induction Motor			
Voltage	220 V (AC)			
Frequency	50 Hz			
Rated current	4,2 A	6 A	3,2 A	2,9 A
Energy Consumption	680 W	1250 W	620 W	540 W
Revolution	2800 rpm		2900 rpm	
Power Cord Length	10 m		5 m	
Standard Accessories	1 rope (6 m), 1 hose clip			1 Rope (5m), 1 Coupling 1 Hose Nipple 1 Hose Band 1 Coupling Set
Weight	15 kg	15,5 kg	11 kg	12,7 kg

Subject to technical changes at any time!



Terminology of the performance data:

a. Suction height:

For physical reasons there is a maximum difference in height between the pump and the water surface. This is theoretically 10 m. In practice, however, only about 8 m can be reached.

b. Total delivery head:

The maximum theoretical delivery head of the pump with zero suction head from a water surface to the highest point of the vertical pressure pipe (assuming that there is no hydraulic resistance in the pipe).

c. Capacity:

The maximum theoretical amount of water that can be pumped at the point where the pump is located with the zero suction head.

The actual pumping capacity and the actual head are directly related and can be determined by reference to the COLLECTION QUANTITY (L/min) - TOTAL PRESSURE HEIGHT (m) - curve.

Here as an example the delivery capacity of the clear water pump SEH-25L:

at 0 m:	115 L/min
at 10 m:	88,33 L/min
at 15 m:	75 L/min
at 20 m:	58,33 L/min
at 25 m:	38,33 L/min
at 30 m:	11 L/min

Furthermore, the efficiency of the pump depends on the following factors:

Efficiency loss in relation to the length of the suction hose:

2 m =	Loss of 15%
3 m =	Loss of 20%
4 m =	Loss of 25%
5 m =	Loss of 35%
6 m =	Loss of 45%
7 m =	Loss of 50%

Efficiency loss in relation to the length of the delivery hose:

1 m =	Efficiency Loss of 0,06%,
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Efficiency loss in relation to the height above sea level:

1000 m =	Loss of 10%
2000 m =	Loss of 20%
3000 m =	Loss of 30%
4000 m =	Loss of 40%

To keep efficiency loss as low as possible, all these factors must be taken into account when selecting the pump.

High performance on the construction site

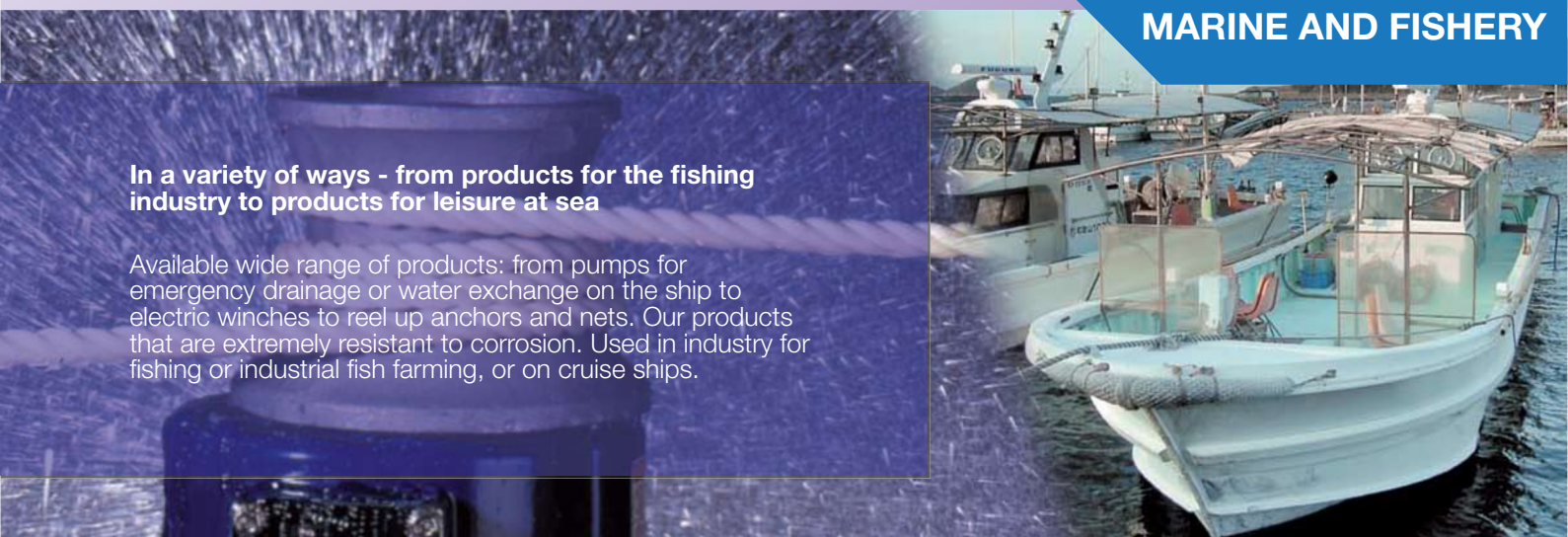
A wide range of KOSHIN products supports various branches of industry by developing products such as filling pumps suitable for light and heavy oil, pumps for chemicals and solvents, drum pumps which can be used quite easily and a handy oil pump which sucks in highly viscous oil.



MARINE AND FISHERY

In a variety of ways - from products for the fishing industry to products for leisure at sea

Available wide range of products: from pumps for emergency drainage or water exchange on the ship to electric winches to reel up anchors and nets. Our products that are extremely resistant to corrosion. Used in industry for fishing or industrial fish farming, or on cruise ships.

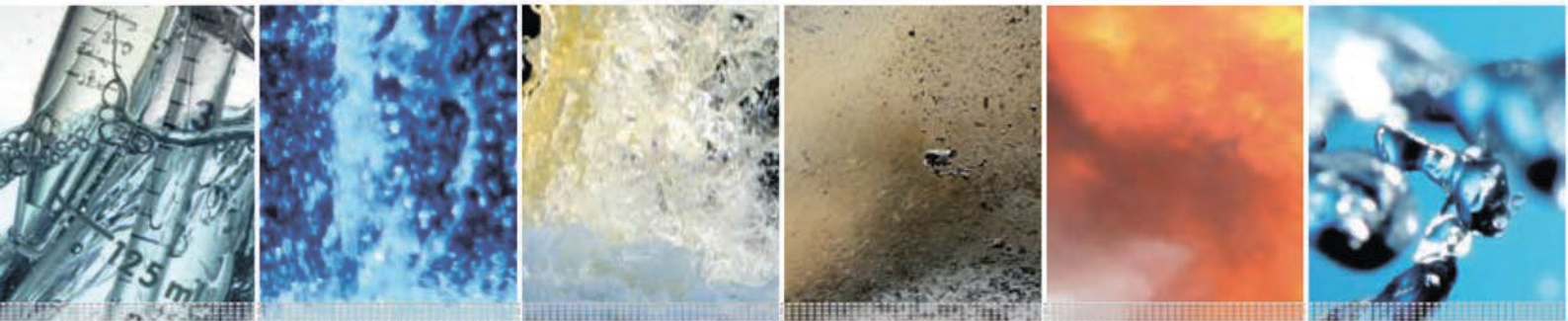




History of the company

Koshin Ltd. is one of the world's leading pump manufacturers. We specialise in the production of the most reliable pumps for a range of industries including Agriculture & Garden, Construction, Oil Industry and Marine.

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- 1948** Foundation of KOSHIN Ltd, founder and first president Mr.Jin-Ichi Kohara
 - 1956** Transformed into a public limited company due to company growth.
 - 1960** Awarded the Small and Medium Enterprise Agency prize.
 - 1962** Awarded by the Science and Technology Agency.
 - 1968** Construction of the plant in Nagaokakyo.
 - 1972** Relocation to Nagaokakyo.
 - 1980** Construction of the new head office building.
 - 1985** Designated by the Kyoto prefecture as a model factory for small and medium-sized enterprises.
 - 1990** Nominated by the Kyoto prefecture as a model factory for small and medium-sized enterprises.
 - 1992** Construction of the plant in Bangkok, Thailand.
 - 1993** Construction of the Koshin Research Laboratory.
 - 1993** Construction of the plant in Zhongshan in Guangdong province, China.
 - 1995** Further construction of the of the main administration building (extension).
 - 1996** Construction of the central, automated distribution warehouse.
 - 1998** Investment in 3 fully automated aluminium die-casting machines.
 - 2000** Construction of the plant for the production of moulds.
 - 2002** Construction and completion of the KOSHIN distribution centre in Bangkok, Thailand.
 - 2003** Construction and completion of the Koshin factory in Ningbo, Zhejiang province, China.
 - 2005** Construction and completion of the new factory in Bangkok, Thailand.
 - 2006** Establishment of Koshin THAILAND Co, LTD.
 - 2010** EES GmbH is appointed main importer and distributor of all Koshin Ltd. branded products in Germany, Switzerland and Austria.



Official Distributor of

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Austria
Switzerland

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