

KOSHIN ENGINE PUMP TECHNICAL SPECIFICATION RECAP

SPECIFICATION		SEV-50X	SEV-80X	SEV-50D	SEV-80D	STV-50X	STV-80X	STV-100X	KTZ-50X	KTZ-80X	KTZ-100X	SERV-50Z	
PUMP	Connection Dia	Suction	50mm (2")	80mm (3")	50mm (2")	80mm (3")	50mm (2")	80mm (3")	100 mm (4")	50mm (2")	80mm (3")	100 mm (4")	50mm (2")
		Discharge	50mm (2")	80mm (3")	50mm (2")	80mm (3")	50mm (2")	80mm (3")	100 mm (4")	50mm (2")	80mm (3")	100 mm (4")	50mm (2") / 25mm (1") X2
	Connection Thread	Outer Pipe Thread BSP or NPT		Outer Pipe Thread BSP		Outer Pipe Thread BSP or NPT		Outer Pipe Thread BSP	Outer Pipe Thread BSP or NPT			Outer Pipe Thread BSP or NPT	
	Total Head	27 m (88 ft)		32 m (104 ft)	25 m (82 ft)	26 m (85 ft)		28 m (91 ft)	22 m (72 ft)	21 m (68 ft)	24 m (78 ft)	90 m (295 ft)	
	Delivery Volume	620 L/min (163 USG/min)	1050 L/min (277 USG/min)	630 L/min (166 USG/min)	880 L/min (232 USG/min)	580 L/min (153 USG/min)	900 L/min (238 USG/min)	1500 L/min (396 USG/min)	680 L/min (179 USG/min)	1370 L/min (361 USG/min)	1680 L/min (443 USG/min)	480 L/min (127 USG/min)	
	Max. Suction Lift	8 m (26 ft)											
	Material for Mechanical Seal	SiC (Silicon Carbide) x SiC											
	Material for Impeler	Hi-Chrome											
Material for Volute	FCD450												
ENGINE	Type	Forced Air-cooled 4-stroke Gasoline Engine		Forced Air-cooled 4-stroke Diesel Engine		Forced Air-cooled 4-stroke Gasoline Engine							
	Model	Koshin K180		Koshin KD300		Koshin K180		Koshin K300	Koshin K180	Koshin K300	Koshin K420	Koshin K210 High rpm	
	Displacement	179 cc		296 cc		179 cc		301 cc	179 cc	301 cc	420 cc	212 cc	
	Rated Output	3.1 kW (4.2 PS) / 3600 rpm		4.0 kW (5.4 PS) / 3600 rpm		3.1 kW (4.2 PS) / 3600 rpm		5.0 kW (6.8 PS) / 3600 rpm	3.1 kW (4.2 PS) / 3600 rpm	5.0 kW (6.8 PS) / 3600 rpm	7.2 kW (9.8 PS) / 3600 rpm	4.4 kW (6.0 PS) / 5.9 HP / 4400 rpm	
	Max. Output	3.5 kW (4.8 PS) / 3600 rpm		4.4 kW (6.0 PS) / 3600 rpm		3.5 kW (4.8 PS) / 3600 rpm		6.0 kW (8.2 PS) / 3600 rpm	3.5 kW (4.8 PS) / 3600 rpm	6.0 kW (8.2 PS) / 3600 rpm	8.6 kW (11.7 PS) / 3600 rpm	4.9 kW (6.7 PS) / 6.6 HP / 4000 rpm	
	Fuel	Automotive Unleaded Gasoline		Diesel Fuel		Automotive Unleaded Gasoline							
	Fuel Tank Capacity	3.6 L (0.95 USG)		3.5 L (0.92 USG)		3.6 L (0.95 USG)		6.5 L (1.71 USG)	3.6 L (0.95 USG)	5.9 L (1.55USG)	5.9 L (1.5 USG)	3.3 L (0.87 USG)	
	Engine Oil	4-Stroke Engine Oil : API grade SE or above, SAE 15W-40		CC or CD, Winter : 5W-30, Other season : 10W-30		4-Stroke Engine Oil : API grade SE or above, SAE 15W-40							
	Continuous Operating Time	Approx. 2.6 hrs	Approx. 2.4 hrs	Approx. 2.3 hrs	Approx. 2.2 hrs	Approx. 2 hrs	Approx. 1.6 hrs	Approx. 1.8 hrs	Approx. 2 hrs	Approx. 2 hrs	Approx. 1.5 hrs	Approx. 1.2 hrs	
	Starting Method	Recoil Starter											
Applicable Liquids	Consistency	Clean Water				Sandy Water				Muddy Water			Clean Water
	Suspended Solid Percentage	0%				10%							0%
	Max. Solids Size	-				8mm	9 mm		20mm	27mm		-	
	Temperature	5-45° C (41-113° F)											
Standart Accessories	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set				1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool Set, 1 Spanner				1 Strainer, 3 Hose Bands, 1 Engine Tool Set, 1 Multi Tool Wrench (BSP Type: 2 Hose Couplings)			1 Strainer, 1 Closing Plate (50mm), 2 Nipple (25mm), 1 Quick Coupling (50mm), *2 1 Engine Tool	
Nett Weight	25.2 kg (55.5 lbs)	28.7 kg (63.2 lbs)	46.1 kg (101.6 lbs)	48.6 kg (107.1 lbs)	29 kg (63 lbs)	30.9 kg (68.1 lbs)	56.5 kg (124.6 lbs)	48.1 kg (106.0 lbs)	61.6 kg (135.8 lbs)	78.2 kg (172.4 lbs)	33.9 kg (74.7 lbs)		
Gross Weight	27.2 kg (59.9 lbs)	30.7 kg (67.6 lbs)	50.8 kg (111.9 lbs)	53.8 kg (118.6 lbs)	31 kg (68.3 lbs)	32.9 kg (72.5 lbs)	66.1 kg (145.7 lbs)	54 kg (119 lbs)	68.4 kg (150.8 lbs)	88.0 kg (194.0 lbs)	37.5 kg (82.7 lbs) (BSP model) 36.2 kg (79.8 lbs) (NPT model)		
Dimensions LxWxH (mm)	504 x 405 x 411	543 x 425 x 460	600 x 520 x 550	600 x 520 x 550	554 x 400 x 471	593 x 425 x 528	683 x 495 x 645	703 x 579 x 542	726 x 579 x 603	816 x 621 x 632	570 x 450 x 468		