

# PUMPS

## HIGH PRESSURE AND TRASH

<b>Product category</b>		Water pump				
<b>Product name</b>		Engine driven pump				
<b>Model name</b>		MPA 50 K	MPA 50 H	MPS 80 H	MPS 100 H	
<b>Pump</b>	<b>Connection dia</b>	<b>Suction</b>	50 mm (2 in)		80 mm (3 in)	100 mm (4 in)
		<b>Discharge</b>	50 mm (2 in) / 25 mm (1 in)×2		80 mm (3 in)	100 mm (4 in)
	<b>Connection thread</b>		Outer pipe thread BSP			
	<b>Total head</b>		90 m (295 ft)		27 m (88 ft)	26 m (85 ft)
	<b>Discharge volume</b>		480 L/min (126 USG/min)	500 L/min (132 USG/min)	1340 L/min (354 USG/min)	1650 L/min (435 USG/min)
	<b>Max. suction head</b>		8 m (26 ft)			
<b>Engine</b>	<b>Type</b>		Forced air-cooled 4-stroke gasoline engine			
	<b>Model</b>		KOSHIN K210 High rpm	HONDA GX200 High rpm	HONDA GX240	HONDA GX340
	<b>Displacement</b>		212 cm <sup>3</sup>	196 cm <sup>3</sup>	270 cm <sup>3</sup>	389 cm <sup>3</sup>
	<b>Rated output</b>		4.4 kW (6.0 PS) / 4400 rpm	3.7 kW (5.0 PS) / 3600 rpm	4.6 kW (6.3 PS) / 3600 rpm	6.3 kW (8.6 PS) / 3600 rpm
	<b>Max. output</b>		4.9 kW (6.7 PS) / 4000 rpm	4.5 kW (6.1 PS) / 4000 rpm	5.9 kW (8.0 PS) / 3600 rpm	8.0 kW (10.9 PS) / 3600 rpm
	<b>Fuel</b>		Automotive unleaded gasoline			
	<b>Fuel tank capacity</b>		Tank size: 3.3 L (0.87 USG), Usage level: 3.0 L (0.79 USG)	Usage level: 3.1 L (0.81 USG)	Usage level: 5.3 L (1.4 USG)	Usage level: 6.1 L (1.61 USG)
	<b>Engine oil</b>		4-stroke engine oil: SAE 15W-40	4-stroke engine oil: API grade SE or above, SAE 10W-30		
	<b>Engine oil capacity</b>		0.6 L (0.15 USG)		1.1 L (0.29 USG)	
	<b>Continuous operating time</b>		Approx. 1.2 hrs *1	Approx. 1.5 hrs *1	Approx. 2.5 hrs *1	Approx. 2.0 hrs *1
<b>Starting method</b>		Recoil starter				
<b>Applicable Liquids</b>	<b>Consistency</b>		Clear Water		Trash pump: sandy and muddy water (suspended solids) *2	
	<b>Suspended solid percentage</b>		-		25 % *3	
	<b>Max. solids size</b>		3 mm		27 mm (1,06 in)	
	<b>Temperature</b>		5-45 °C (41-113 °F)			
<b>Standard accessories</b>		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, 1 Engine Tool			1 Strainer, 2 Coupling Sets, 3 Hose Bands, 1 Engine Tool	
<b>Net weight</b>		33.9 kg (74.7 lbs)	34.6 kg (76.3 lbs)	59.0 kg (130.1 lbs)	78.0 kg (172.0 lbs)	
<b>Gross weight</b>		37.5 kg (82.7 lbs)	37.6 kg (82.9 lbs)	62.0 kg (136.7 lbs)	84.5 kg (186.3 lbs)	
<b>Product dimensions L x W x H</b>		550 x 437 x 457 mm (21.7 x 17.3 x 18.0 in)	550 x 437 x 457 mm (21.7 x 17.3 x 18.0 in)	690 x 487 x 537 mm (27.2 x 19.2 x 21.2 in)	745 x 537 x 625 mm (29.4 x 21.2 x 24.7 in)	
<b>Packing dimensions L x W x H</b>		570 x 450 x 468 mm (22.5 x 17.8 x 18.5 in)	570 x 450 x 468 mm (22.5 x 17.8 x 18.5 in)	711 x 506 x 570 mm (28.0 x 20.0 x 22.5 in)	780 x 570 x 652 mm (30.8 x 22.5 x 25.7 in)	



# PUMPS

## CLEAR WATER

<b>Product category</b>			Water pump		
<b>Product name</b>			Engine driven pump		
<b>Model name</b>			MPC 50 K	MPC 80 K	MPC 80 H
<b>Pump</b>	<b>Connection dia</b>	<b>Suction</b>	50 mm (2 in)	80 mm (3 in)	
		<b>Discharge</b>	50 mm (2 in)	80 mm (3 in)	
	<b>Connection thread</b>		BSP Pipe External Thread		
	<b>Total head</b>		27 m (88 ft)		
	<b>Discharge volume</b>		620 L/min (163 USG/min)	1.050 L/min (277 USG/min)	1.100 L/min (290 USG/min)
	<b>Max. suction head</b>		8 m (26 ft)		
<b>Engine</b>	<b>Type</b>		4-stroke forced air-cooled petrol engine		
	<b>Model</b>		KOSHIN K180		HONDA GX160
	<b>Displacement</b>		179 cm <sup>3</sup>		163 cm <sup>3</sup>
	<b>Rated output</b>		3,1 kW (4,2 PS) / 3.600 rpm		2,9 kW (3,9 PS) / 3.600 rpm
	<b>Max. output</b>		3,5 kW (4,8 PS) / 3.600 rpm		3,6 kW (4,9 PS) / 3.600 rpm
	<b>Fuel</b>		Unleaded petrol for cars		
	<b>Fuel tank capacity</b>		Tank capacity: 3.6L (0.95 USG), Usage level: 3.3L (0.87 USG)		Usage level: 3.1L (0.81 USG)
	<b>Engine oil</b>		4-Stroke Engine Oil: SAE 15W-40		4-Stroke Engine Oil: API SE or higher, SAE 10W-30
	<b>Engine oil capacity</b>		0,6 L (0,15 USG)		0,58 L (0,15 USG)
	<b>Continuous operating time</b>		2,1 hours approx. *1	1,9 hours approx. *1	2,0 hours approx. *1
	<b>Starting method</b>		Recoil Start		
<b>Applicable Liquids</b>	<b>Consistency</b>		clear water		
	<b>Suspended solid percentage</b>		-		
	<b>Max. solids size</b>		5 mm	7 mm	
	<b>Temperature</b>		5-45 °C (41-113 °F)		
<b>Standard accessories</b>			1 Filter, 2 Set of fittings, 3 Hose clamps, 1 Engine tool		
<b>Net weight</b>			25,2 kg (55,6 lbs)	28,7 kg (63,3 lbs)	28,0 kg (61,7 lbs)
<b>Gross weight</b>			27,2 kg (60,0 lbs)	30,7 kg (67,7 lbs)	30,0 kg (66,1 lbs)
<b>Product dimensions L x W x H</b>			489 x 392 x 391 mm (19,3 x 15,5 x 15,4 in)	528 x 412 x 448 mm (20,8 x 16,3 x 17,7 in)	510 x 376 x 453 mm (20,1 x 14,9 x 17,9 in)
<b>Packing dimensions L x W x H</b>			504 x 405 x 411 mm (19,9 x 16,0 x 16,2 in)	543 x 425 x 460 mm (21,4 x 16,8 x 18,2 in)	525 x 389 x 473 mm (20,7 x 15,4 x 18,7 in)