
General Specifications

Engine

Engine Type	2-stroke, 2-cylinder, Reed valve, Water cooled
Displacement	781 cc
Bore x Stroke	82.0 x 74.0 mm
Compression Ratio	7.2:1
Ignition System	Magneto CDI (Digital)
Lubrication System	Pre-mix (60:1)
Carburetor	Mikuni BN40-38x2
Starting	Electric

Drive System

Coupling	Direct drive from engine
Jet Pump:	Axial flow, single stage
Type	699 lb.
Thrust	Steerable nozzle
Steering	Water Drag
Braking	

Hull

Length	2,300 mm (90.6 in.)
Width	730 mm (28.7 in.)
Height	735 mm (28.9 in.)
Dry Weight	159 kg (351 lb.)
Fuel Tank Capacity	17 liter (4.5 gal.)

Model Identification

Year & Model	'05 JS800-A3:800 SX-R
Color	1. Jet White (8C)
HIN Range	KAW20001✓405 —
Engine No. Range	JS800AE000001 —
Engine No. Location	Top rear reed valve housing of the crankcase

Tuning Specifications

Spark Plug	NGK BR8ES
—Gap	0.7-0.8 mm
Ignition Timing	— Idle Speed 13° BTDC at 1,250 rpm
— High Speed	20.2° BTDC at 4,000 rpm
Carburetor	
Idle Speed	1250 ± 100 rpm (in water)
Low Speed Needle	7/8 turns out
High Speed Needle	3/4 turns out
Compression Pressure	129-199 psi (throttle open)