

GENERAL INFORMATION

2012 Sportsman Touring 500 HO

MODEL NUMBER: A12DH50AX, AZ

ENGINE MODEL: EH500PLE13B



Category	Dimension / Capacity
Length	86 in./218 cm
Width	48 in./122 cm
Height	48 in./122 cm
Wheel Base	57 in./145 cm
Ground Clearance	11 in./28 cm
Dry Weight	723 lbs./328 kg
Front Rack/Box Capacity	90 lbs./40.8 kg
Rear Rack Capacity	180 lbs./82 kg
Max. Weight Capacity	485 lbs. / 220 kg
Towing Capacity	1225 lbs. / 555.7 kg
Unbraked Trailer Towing Capacity (EU)*	1995 lbs. / 905 kg
NOTE: *Data based on EU Directive: 76/432/EEC	
Hitch Tongue Capacity	120 lbs./54.4 kg
	Rear rack capacity and tongue weight not to exceed 180 lbs./82 kg

Engine	
Platform	Fuji Single Cylinder
Engine Model Number	EH500PLE13B
Engine Displacement	498cc
Number of Cylinders	1
Bore & Stroke (mm)	92 x 75 mm
Compression Ratio	10.2:1
Compression Pressure	70-90 psi W/Compression Release
Engine Idle Speed	1200 +/- 200 RPM
Engine Max Operating Rpm	7000 RPM
Cooling System / Capacity	Liquid - 2.7 qt / 2.5 ltr
Overheat Warning	HOT on Instrument Cluster
Lubrication	Pressurized Dry Sump
Oil Requirements / Capacity	Polaris 2W-50 2 qt. / 1.9 ltr
Exhaust System	Single Pipe USFS Approved
Fuel System	
Carburetor	Mikuni BST 40mm
Main Jet	150
Pilot Jet	40
Jet Needle / Clip Position	5MGH1-94-3
Needle Jet	X-6M
Pilot Screw	2 Turns Out (Initial)
Pilot Air Jet	160
Floot Height	14.7mm ± 1 (.58 ± 0.40")
Fuel Delivery	Fuel Pump
Fuel Capacity / Requirement	4.25 gal US / 16 liters 87 Octane (minimum) or 89 Oxygenated
Electrical	
Alternator Output	260 w @ 3000 RPM
Lights :	Head 50 watts
	Grill 2 x 50 watts
	Brake 2 x 8.25 watts
	Tail 2 x 26.9 watts
Ignition System	DC/CDI Ignition
Ignition Timing	30° ± 1 BTDC @ 5000 RPM
Spark plug / Gap	BR6SE / .035 in. / 0.9 mm
Battery	Maintenance-Free / 12 Amp Hrs.
Circuit Breakers	5 / 15 / 20 Amp Fuses 10 Amp Circuit Breaker - Fan
Starting	Electric
Instrument Cluster	Analog Speedo w/LCD

Polaris Sportsman 500 6x6 Manual

JL Elias



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