

# I. Specifications

	<b>KH500</b>	<b>H2-C</b>
<b>Dimensions</b>		
Overall length	82.1 in. (2,085 mm) *2,125 mm	83.1 in. (2,110 mm) *2,175 mm
Overall width	32.9 in. (835 mm) *825 mm	32.7 in. (831 mm)
Overall height	44.9 in. (1,140 mm) *1,100 mm	46.5 in. (1,180 mm)
Wheelbase	55.5 in. (1,410 mm)	57.0 in. (1,448 mm)
Road clearance	5.7 in. (145 mm)	5.5 in. (139 mm)
Dry weight	423 lbs. (192 kg) *194 kg	452 lbs. (205 kg) *208 kg
Fuel tank capacity	4.2 U.S. gal. (16 liters)	4.5 U.S. gal. (17.0 liters)
Oil tank capacity	2.5 U.S. qt. (2.3 liters)	2.1 U.S. qt. (2.0 liters)
<b>Performance</b>		
Climbing ability	27°	40°
Braking distance	41 ft.@31 mph (12.5 m@50 kph)	39.4 ft. @31 mph (12 m@50 kph)
Minimum turning radius	94.5 in. (2,400 mm)	94.5 in. (2,400 mm)
SS 1/4 mile	14.1 sec.	12.0 sec.
<b>Engine</b>		
Type	2-stroke, 3 cylinder, piston valve	2-stroke, 3 cylinder, piston valve
Bore and stroke	2.36 x 2.31 in. (60 x 58.8 mm)	2.80 x 2.48 in. (71 x 63 mm)
Displacement	30.4 cu.in. (498.0 cc)	45.6 cu.in. (748.0 cc)
Compression ratio	6.8 : 1	7.0 : 1
Maximum horsepower	52 hp/7,000 r.p.m.	71 hp/6,800 r.p.m.
Maximum torque	39.1 ft-lb (5.4 kg-m)/6,500 rpm	57.1 ft-lb (7.9 kg-m)/6,500 rpm
Port timing		
Inlet – Open	76° BTDC	75° BTDC
– Close	76° ATDC	75° ATDC
Scavenge – Open	59.5° BBDC	58° BBDC
– Close	59.5° ABDC	58° ABDC
Exhaust – Open	89° BBDC	89° BBDC
– Close	89° ABDC	89° ABDC
Carburetor type	Mikuni VM28SC	Mikuni VM30SC
Lubrication system	Injectolube oil injection	Injectolube oil injection
Engine oil	2-stroke engine oil	2-stroke engine oil
Starting system	Kick starter	Kick starter
Ignition system	Electronic CDI	Electronic CDI
Firing order	Left, right, center	Left, right, center
Ignition timing	23° BTDC @4,000 rpm	23° BTDC @4,000 rpm
Spark plugs	NGK B-9HS-10	NGK B-9HS-10
<b>Transmission</b>		
Type	5-speed, constant mesh, return shift	5-speed, constant mech, return shift
Clutch	Wet, multi-disc	Wet, multi-disc
Gear ratio		
1st	2.20 (33/15)	2.17 (26/12)
2nd	1.40 (28/20)	1.47 (28/19)
3rd	1.09 (25/23)	1.11 (20/18)
4th	0.92 (23/25)	0.92 (23/25)
5th	0.81 (21/26)	0.81 (17/21)