

SPECIFICATIONS

MODEL 8844	125 S
DIMENSIONS	
Overall height	114.3 cm (45")
Overall width	86.4 cm (34")
Seat height	87.6 cm (34 1/2")
Ground clearance	26.7 cm (10 1/2")
Wheelbase	141 cm (55 1/2")
Overall length	213.4 cm (84")
CHASSIS	
Type	Tubular space frame with tapered back bone
Front suspension	"Betor" teledraulic 19 cm (7.5")/20.8cm (8.2") W.R.S.
Rear suspension	Shock absorber (adjustable) 18.5 cm (7.3") wheel travel
Fork angle	30° std, 25° to 31° adjustable
Brake front	Drum single leading shoe 152 mm Ø x 25 mm (6"Øx1")
rear	Drum single leading shoe 152 mm Ø x 25 mm (6"Øx1")
Rim front	WM1 x 21 alloy low profile
rear	WM2 x 18 alloy low profile
Tire front	300 x 21 knobby
rear	400 x 18 knobby
Spokes front	3.5 mm
rear	R.H. butted 4 mm/L.H. 3.5 mm
Drive chain adjustment	Adjust chain slack to 41 mm (1 5/8") (measured at chain tightest point, with wheel off the ground)
Weight (dry)	102 kg (225 lbs)
ENGINE	
Type	Rotary valve, 2 stroke, single cylinder, air cooled
Bore	54 mm (2.126")
Stroke	54 mm (2.126")
Displacement	123.7 cc (7.54 cu.in)
Compression ratio (uncorrected)	15:1
Horsepower at R.P.M. at rear wheel	23 at 9000 R.P.M.
Lubrication (1)	Oil injection, fixed volume (without oil pump cable)
Starter	Foot operated, L.H., in gear starting

- (1) Use natural base, Can-Am injection oil (50/1 ratio) or any equivalent 2 stroke injection oil.

THIS SPECIFICATION SHEET MUST REMAIN WITH THE OPERATOR MANUAL

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LIQUID CAPACITIES	
Gas tank ②	9.54 liters, 2.5 U.S. gals, 2.1 imp gals
Oil tank ①	2.16 liters, 2.3 U.S. quarts, 1.9 imp quarts
Transmission ③	1.14 liters, 1.2 U.S. quarts, 1.0 imp quart
Fork (each leg)	220 ml (7.7 fluid oz) SAE 10W
POWER TRAIN	
Primary drive	Straight cut and ground gears
Primary drive ratio	3.286 (21/69)
Clutch	Multiplate 6 discs, oil bath
Transmission	Constant mesh, 6 speed
Gear ratio	
1st	2.66 (12/32)
2nd	2.07 (14/29)
3rd	1.58 (19/27)
4th	1.31 (19/25)
5th	1.09 (21/23)
6th	0.96 (22/21)
Chain	No 520 (5/8"pitch, 1/4" width)
Number of pitches	114
Engine sprocket	13
Rear wheel sprocket	47
Ratio	3.61
Overall ratio (high gear)	11.38
CARBURATION ②	
Carburetor type	Bing 32 mm (type V-84)
Main jet	155
Needle jet	2.70
Idle jet	40
Needle identification	4 rings
Needle setting	3rd from top
Slide	No 1
Idel jet screw adjustment	1 turn out $\pm$ 1/4
Float level	25 mm (1")
Air filter	Foam (oil impregnated)

② Use premium gasoline only.

③ SAE 80 gear oil or automatic transmission fluid.

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ELECTRICAL	
Ignition system	Bosch electronic, C.D.I.
Maximum ignition output	30,000 volts
Basic timing	1.2 mm BTDC (15°) ± 0.2 (.047" BTDC ± .007)
Ignition timing at 7,000 R.P.M.	Align flywheel and cover marks
Spark plug type	14 mm - 3/4" reach
Spark plug number	Bosch 280 MZ2 or Champion N59G
Spark plug gap	0.5 mm (0.020")

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