

1985 CAN-AM
SPECIFICATIONS

MODEL - #8529 . 250 ASE

Dimensions

Overall height 119.3 cm (47")

Overall width 76.2 cm (30")

Seat height 96.5 cm (38")

Ground clearance 35.5 cm (14")

Wheel base 151.1 cm (59.5")

Overall length 220.9 cm (87")

Chassis

Type Tubular double loop "531" Reynolds

Front suspension Marzocchi W/Piffero damping
teflon bushings

Size 40 mm

Travel 30 cm (11.8")

Rear suspension White Power; compression & rebound
adjustable; Quad Link II; Prog. react. sus

Wheel travel 32 cm (12.6")

Shock length extended 46.9 cm (18.5")

Shock length collapsed 35.5 cm (14")

Shock spring rate 5.8 KG/mm (326 lbs./in.)

White Power gas pressure 180 P.S.I.

Standard preload

Fork angle 28°

Brakes (front & rear) 140 mm Drum

Rims Akront

Tires front Metzler 3.00 x 21

rear Metzler 5.10 x 18

Levers clutch/brake Domino dog lever

Chassis - continued

Throttle Domino straight pull

Handlebar

Weight (dry) 102.96 Kg (227 lbs.)

Power Train

Primary drive Straight cut ground gears

Primary drive ratio 2.913:1

Clutch Multiplate, 6 plates, oil bath

Transmission 6 Speed constant mesh

Gears ratio:

1 3.400

2 2.308

3 1.688

4 1.316

5 1.095

6 .913

Chain EK 520H

Number of rollers 118 Pins

Engine sprocket 15 T

Rear wheel sprocket 46 T

Secondary ratio 3.06:1

Overall ratio

Engine

<u>Type</u>	<u>244 Rotary valve Rotax</u>
<u>Bore</u>	<u>72 mm</u>
<u>Stroke</u>	<u>61 mm</u>
<u>Displacement</u>	<u>248 cc</u>
<u>Compression ratio</u>	<u>12.5 ± .5:1 Uncorrected; 6.8:1 Corrected</u>
<u>Valves arrangement</u>	<u>Rotary disc</u>
<u>Squishband clearance</u>	<u>1.6 mm ± 0.2</u>
<u>Camshaft belt tension</u>	<u>N/A</u>
<u>Power at R.P.M./rear wheel</u>	<u>35.0 HP at 8000 RPM</u>
<u>Torque at crankshaft/R.P.M.</u>	<u>30 Nm at 7000 RPM</u>
<u>Starter system</u>	<u>Primary kick</u>
<u>Lubrication system</u>	<u>Pre-mix 40:1</u>
<u>Oil pump type</u>	<u>N/A</u>
<u>Decompressor</u>	<u>N/A</u>
<u>Oil filter type</u>	<u>N/A</u>
<u>Transmission lubricant/grade</u>	<u>SAE 90 1000 cc (1 qt.)</u>

Carburation

Carburetor type	Mikuni
Carburetor number	VM 34
Main jet	300
Needle jet	159P6
Air jet	
Idle jet	40
Jet needle/clip position	6DH4-3
Float level	Parallel to body
Air screw adjustment	1 1/4 turns
Slide cut-away	3.0
Engine idle speed	1500 RPM
Fuel grade	Premium 92 octane (unleaded)
Air filter	Twin air filter
Air filter oil	Twin air filter oil
Exhaust system	Tuned exhaust
<u>Electrical</u>	
Ignition system	Bosch CDI 6 pole
Spark plug type	Bosch
Spark plug number	W300T2
Spark plug optional	
Spark plug gap	.020"
Electrical output	60 W
Voltage	12 V
Ignition timing BTDC/RPM	5000 RPM = 14° ± 1° (1.13 mm)
Taillamp bulb	

Liquid Capacities

Fuel tank including reserve 13.63L (3 imp. gal.) (2.76 U.S. gal.)

Fuel tank reserve only N/A

Lubrication system

Front fork (each leg) Fork oil level = 16.0 cm (6.3") from top
(springs removed)

Rear shock oil
(Approx. each)

<u>TORQUES</u>	<u>FT./LBS.</u>	<u>NM</u>
Stud M8, cylinder base	(4- 6)	6- 8
Stud M10, cylinder base		
Stud M7, cylinder		
Stud M8, cylinder	(4- 6)	6- 8
Stud M10, cylinder		
Cyl. screw M8, cylinder		
Nut M8, cylinder base		
Hex. nut M7, cylinder head		
Hex. nut M8, cylinder head	(13-18)	18-24
Hex. nut M10, cylinder head		
Hex. nut M18 x 1.5, crankshaft, magneto side	(66-74)	90-100
Hex. nut M18 x 1.5, crankshaft, clutch side	(55-59)	75-80
Hex. nut M18 x 1.5, clutch shaft	(55-59)	75-80
M5 Countersunk slot head screw		
Hex. nut M18 x 1.5 sprocket	(30-37)	40-50
Hex. nut M16 swing arm pivot bolt		
Hex. nut M14 axle (front)		
Hex. nut M16 axle (rear)		
Hex. nut M8 engine mount		
Hex. nut M10 engine mount		
Hex. nut M10 shock	(37-42)	
Quad link bolts 10 mm	(37-42)	
Quad link bolts 12 mm	(42-44)	