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. susp
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	Metlzer 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

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

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
Electrical	
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)	

TORQUES	FT./LBS.	NM
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)	