

1985 CAN-AM
SPECIFICATIONS

MODEL - #8418 500 MX

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
Marzocchi W/Piffero damping;
Front suspension teflon bushings

Size 40 mm

Travel 30 cm (11.8")

Rear suspension White Power; adjustable damping; quad link

Wheel travel 32 cm (12.6")

Shock length extended 46.9 cm (18.5")

Shock length collapsed 35.5 cm (14")

Shock spring rate 7.2 KG/mm (405 lbs./in.)

White Power gas pressure 180 P.S.I.

Standard preload

Fork angle 28°

Brakes (front & rear) 140 mm drum

Rims Akront 36 hole

Tires front Metzeler 3.00 x 21

rear 5.10 x 18

Levers clutch/brake Domino

Chassis - continued

Throttle Domino straight pull

Handlebar

Weight (dry) 109.77 KG (242 lbs.)

Power Train

Primary drive Straight cut ground gears

Primary drive ratio 2.821:1

Clutch Multiplate, 9 plates, oil bath

Transmission 5 speed constant mesh

Gears ratio:

1 2.385:1

2 1.769:1

3 1.400:1

4 1.118:1

5 .913:1

6

Chain EK 520H

Number of rollers 120 Pins

Engine sprocket 17 T

Rear wheel sprocket 46 T

Secondary ratio 2.71:1

Overall ratio

Engine

<u>Type</u>	<u>486</u>
<u>Bore</u>	<u>85 mm</u>
<u>Stroke</u>	<u>85 mm</u>
<u>Displacement</u>	<u>482.3 cc</u>
<u>Compression ratio</u>	<u>11.7-12.3 Uncorrected; 7.1 Corrected</u>
<u>Valves arrangement</u>	<u>Reed</u>
<u>Squishband clearance</u>	
<u>Camshaft belt tension</u>	<u>N/A</u>
<u>Power at R.P.M /rear wheel</u>	<u>52 HP @ 6500 RPM</u>
<u>Torque at crankshaft/R.P.M.</u>	<u>58 Nm @ 5800 RPM</u>
<u>Starter system</u>	<u>Pirmary kick</u>
<u>Lubrication system</u>	<u>Pre-mix 25:1</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 gear lube</u>

Carburation

Carburetor type	Bing
Carburetor number	40 mm
Main jet	185
Needle jet	292
Air jet	
Idle jet	65
Jet needle/clip position	8G6-3
Float level	Parallel to body
Air screw adjustment	1 1/4 turns
Slide cut-away	180
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	Kokusan CDI
Spark plug type	Bosch
Spark plug number	W275T2
Spark plug optional	
Spark plug gap	
Electrical output	
Voltage	
Ignition timing BTDC/RPM	5000 RPM = $20^{\circ} \pm 1^{\circ}$ (3.32 mm)/7000 RPM = 13° (1.42 mm)
Taillamp bulb	

Liquid Capacities

Fuel tank including reserve 11.8L (2.6 Imp. gal.) (3.12 U.S. gal.)

Fuel tank reserve only _____

Lubrication system

Fork oil level = 16.0 cm (6.3") from top
(springs removed)

Front fork (each leg) _____

Rear shock oil
(Approx. each)

<u>TORQUES</u>	<u>FT./LBS.</u>	<u>NM</u>
Stud M8, cylinder base		
Stud M10, cylinder base	(6- 7)	8-10
Stud M7, cylinder		
Stud M8, cylinder		
Stud M10, cylinder	(6- 7)	8-10
Cyl. screw M8, cylinder		
Nut M8, cylinder base		
Hex. nut M7, cylinder head		
Hex. nut M8, cylinder head		
Hex. nut M10, cylinder head	(25-28)	34-38
Hex. nut M16 x 1.5, crankshaft, magneto side	(44-52)	60-70
Hex. nut M22 x 1.5, crankshaft, clutch side	(74-89)	100-120
Hex. nut M18 x 1.5, clutch shaft	(59-66)	80-90
M5 Countersunk slot head screw	(3- 4)	4- 5
Hex. nut M20 x 1.5 sprocket	(59-66)	80-90
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)	
Clutch screw M5	(3- 4)	4- 5
Quad link bolts 10 mm	(37-42)	
Quad link bolts 12 mm	(42-44)	