

1985 CAN-AM  
SPECIFICATIONS

MODEL - #8419 560 Sonic MX

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Dimensions

Overall height 119.3 cm (47")

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Overall width 76.2 cm (30")

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Seat height 96.5 cm (38") safety seat

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Ground clearance 35.5 cm (14")

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Wheel base 151.1 cm (59.5")

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Overall length 220.9 cm (87")

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Chassis

Type Tubular double loop 531 Reynolds  
Marzocchi W/Piffero damping;  
Front suspension teflon bushings

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Size 40 mm

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Travel 30 cm (11.8")

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Rear suspension White Power; adjustable dampening

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Wheel travel 32 cm (12.6")

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Shock length extended 46.9 cm (18.5")

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Shock length collapsed 35.5 cm (14")

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Shock spring rate 7.5 KG/mm (422 lbs./in.)

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White Power gas pressure 180 P.S.I.

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Standard preload

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Fork angle 28°

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Brakes (front & rear) 140 mm drum

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Rims Akront 36 hole

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Tires front Metzler 3.00 x 21

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rear 5.10 x 18

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Levers clutch/brake Domino dogleg

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Chassis - continued

Throttle Domino straight pull

Handlebar

Weight (dry) 113.85 KG (251 lbs.)

Power Train

Primary drive Straight cut ground gears

Primary drive ratio 2.375:1

Clutch Multiplate, 8 plates, oil bath

Transmission 5 speed constant mesh

Gears ratio:

1 2.909

2 2.000

3 1.400

4 1.118

5 0.913

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Chain EK 520

Number of rollers 120 Pins

Engine sprocket 17 T

Rear wheel sprocket 46 T

Secondary ratio 2.70:1

Overall ratio

## Engine

<u>Type</u>	<u>560 Air coded 4 stroke</u>
<u>Bore</u>	<u>89 mm</u>
<u>Stroke</u>	<u>79.4 mm</u>
<u>Displacement</u>	<u>562.1 cc</u>
<u>Compression ratio</u>	<u>10.3:1</u>
<u>Valves arrangement</u>	<u>SOHC 4 valve Hemispherical head</u>
<u>Valves clearance (cold)</u>	<u>Intake .1 mm (.004"); Exh. .1 mm (.004")</u>
<u>Squishband clearance</u>	
<u>Camshaft belt tension</u>	<u>7 mm Deflection (.275")</u>
<u>Power at R.P.M./rear wheel</u>	<u>48 HP at 7300 RPM</u>
<u>Torque at crankshaft/R.P.M.</u>	<u>48 Nm at 6300 RPM</u>
<u>Starter system</u>	<u>Primary kick</u>
<u>Lubrication system</u>	<u>Dry sump</u>
<u>Oil pump type</u>	<u>Trochoid</u>
<u>Decompressor</u>	<u>Yes</u>
<u>Oil filter type</u>	<u>Paper element</u>
<u>Transmission lubricant/grade</u>	<u>SAE 20W50 Valvolene racing oil</u>

Carburation

Carburetor type	Mikuni
Carburetor number	VM 38
Main jet	420
Needle jet	166 R6
Air jet	
Idle jet	40
Jet needle/clip position	611-4
Float level	Parallel to body
Air screw adjustment	1 1/4 Turns
Slide cut-away	3.0
Engine idle speed	1200 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	Nippondenso
Spark plug type	NGK
Spark plug number	D8ESL
Spark plug optional	Bosch X2C
Spark plug gap	0.7 mm (0.027")
Electrical output	110 W
Voltage	12 V
Ignition timing BTDC/RPM	6000+ RPM = 28°
Taillamp bulb	N/A

Liquid Capacities

Fuel tank including reserve      10.45L    (2.3Imp. 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		
Stud M10, cylinder base		
Stud M7, cylinder		
Stud M8, cylinder		
Stud M10, cylinder		
Cyl. screw M8, cylinder		
Nut M8, cylinder base		
Hex. nut M7, cylinder head		
Hex. nut M8, cylinder head	15	20
Hex. nut M10, cylinder head	26	35
Hex. nut M18 x 1.5, crankshaft, magneto side	74	100
Hex. nut M16 x 1.5, crankshaft, clutch side	74	100
Hex. nut M18 x 1.5, clutch shaft	89	120
M5 Countersunk slot head screw		
Hex. nut M20 x 1.5 sprocket	74	100
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	