

TECHNICAL DATA

MODELS	MX SERIES				ASE SERIES		320 TRIALS	250 ROAD RACER
	125 MX L/C	250 MX L/C	500 MX	560 SONIC MX	175 ASE	250 ASE		
ENGINE								
DISPLACEMENT	123.7 cc liquid cooled	248 cc liquid cooled	482.3 cc	562.1 cc four-stroke	173.6 cc	248.4 cc	322.7 cc	247.3 cc inline twin
BORE	54 mm	72 mm	85 mm	94 mm	62 mm	72 mm	80 mm	54 mm
STROKE	54 mm	61 mm	85 mm	81 mm	57.5 mm	61 mm	64 mm	54 mm
IGNITION	Motoplat CDI	Bosch CDI	Kokusan CDI	Nippondenso CDI	Bosch 6 pole CDI		Kokusan	Motoplat
LUBRICATION	Premix 40 : 1		Premix 25:1	Oil pump	Premix 40:1		Premix 32:1	Premix 20:1
FUEL	Premium unleaded							Premium (98 octane)
CLUTCH	6 plates	7 plates	New 8 plates		5 plates oil bath	6 plates oil bath	6 plates	6 plates (dry)
TRANSMISSION	6 speed	5 speed	New 5 speed	5 speed	constant mesh; 6 speed		6 speed	
STARTING	Primary kick				Primary kick		Primary	
CARBURETOR	Mikuni VM-34		Bing 40 mm	Mikuni 38 mm	Mikuni VM-34/259	Mikuni VM-34/266	Amal 27	Dell'Orto 36 x 2
AIR FILTER	Twin air foam						Foam	N/A
SPARK PLUG TYPE	Bosch			NGK	Bosch		Lodge C.L.N.Y.	Bosch
SPARK PLUG NUMBER	W300TZ		W275TZ	D8ES	W300TZ (W2C)	W275TZ (W3C)	N/A	W3702S
ENGINE SPROCKET	13 T	14 T	17 T	14 T	15 T		12 T	17 T
CHASSIS								
WHEELBASE	151.1 cm (59.5")				150.6 cm (59.3")	149.8 cm (59")	132.7 cm (52.25")	N/A
SEAT HEIGHT	96.5 cm (38") Safety seat						71.1 cm (28")	76.2 cm (30")
GROUND CLEARANCE	37.4 cm (14.75")						33.6 cm (13.25")	15.2 cm (6")
FUEL CAPACITY	10.45 L (2.3 Imp. gallons) (2.76 US gallons); rotomolded plastic tank						7.10 L (1.56 Imp. gallons) (1.87 US gallons)	24.5 L (5.4 Imp. gallons) (6.47 US gallons)
WEIGHT, DRY	92.08 kg (203 pounds)	98.43 kg (217 pounds)	107.95 kg (238 pounds)	116.12 kg (256 pounds)	101.15 kg (223 pounds)	102.96 kg (227 pounds)	88.9 kg (196 pounds)	104.32 kg (230 pounds)
SUSPENSION, front	38 mm, 40 mm, Marzocchi with Piffero damping; Teflon bushings						Marzocchi	Marzocchi with adjustable damping
TRAVEL	30 cm (11.8")						16.5 cm (6.5")	N/A
SUSPENSION, rear	White Power; compression and rebound adjustable; Quad Link progressive reaction system						Marzocchi	DeCarbon rising rate
TRAVEL	31.97 cm (12.59")						15.24 cm (6")	N/A
FRAME	Reynolds 531 tubing						Reynolds square section tubing	Reynolds 531 tubing
SWINGING ARM	Heat treated aluminum				Box section Reynolds 531			Heat treated aluminum
FRONT TIRE	Metzeler 3.00 x 21	Metzeler 3.25 x 21					Michelin 2.75 x 21	Michelin Wets 10/64-18
RIMS	Akront							Campagnolo magnesium
REAR TIRE	Metzeler 4.00 x 18	Metzeler 4.50 x 18					Michelin 4.00 x 18	Michelin Wets 13/66-18
STEERING HEAD ANGLE	28°						27°	26°
BRAKES, front	140 mm drum						125 mm drum	twin 260 mm Brembo Disc
BRAKES, rear	140 mm drum						125 mm drum	single 230 mm Brembo Disc
CHAIN	D.I.D. 520							
REAR WHEEL SPROCKET	50 T	46 T					37 T	34 T
CHAIN ADJUSTERS	Snail cam							N/A
SPECIAL FEATURES ASE SERIES	Rotax engine with rotary valve induction. Kickstand. Resettable odometer. Quick service airbox. Muffler/spark arrestor. Quick detach rear wheel with snail cam chain adjustment. Enduro lighting.							



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