

TECHNICAL SPECIFICATIONS – CHASSIS 65 SX 2005

CHASSIS	65 SX
Frame	Central chrome-moly-steel frame
Fork	telescopic fork (Marzocchi USD Ø 35)
Wheel travel front/rear	220 mm (8.7 in) / 270 mm (10.7 in)
Rear suspension	central shock absorber (White Power) 3612 BAVP
Front brake	Disc brake Ø 198 mm (7.8 in), 4 piston
Rear brake	Disc brake Ø 160 mm (6.3 in), 2 piston
Tires	front: 60/100-14" (MT32A) rear: 80/100-12" (MT320)
Air pressure	front / rear: 1,0 bar (14 psi) / 1,0 bar (14 psi)
Fuel tank capacity	3.3 liter (0.87 USgal)
Final drive ratio	14 : 50
Chain	1/2 x 1/4" 108 rolls
Steering angle	64.5 °
Wheel base	1137 mm (44.7 in)
Seat height, unloaded	750 mm (30 in)
Ground clearance	290 mm (11.5 in)
Dead weight without fuel	55 kg (121.4 lbs)
Rider's body height	max. 160 cm (63 in)
Rider's body weight	max 50 kg (22.7 lbs)
Recommended age of rider	8 to 12 years
Engine	CR-65

STANDARD ADJUSTMENT – FORK	
	MARZOCCHI USD Ø 35
Spring	3,14 N/mm
Preload bushing – length	10 mm
Oil capacity per fork leg	210 ccm
Fork oil	SAE 7.5

STANDARD ADJUSTMENT – SHOCK ABSORBER	
	WP 03187A03
Compression adjuster	3
Rebound adjuster	6
Spring	40-220
Spring preload	7 mm

TOLERANCES AND FITTING CLEARANCES			
Crankshaft	run out of crank stud	max. 0.050 mm	0.00196 in
Crankshaft webs outer dimension		57 mm +/- 0,05 mm	2,2441 +/- 0,002
Conrod bearing	radial play	max. 0.030 mm	0.00118 in
Piston pin bearing	radial play	max. 0.030 mm	0.00118 in
Piston	fitting clearance	min. 0.055 mm	0.00216 in
Piston ring	end gap	max. 0.20 mm	0.00780 in
Clutch springs	length min.	25 mm (new 27 mm)	0.98 in (new 1.06 in)
Clutch discs	thickness	min 1.8 mm	0.0708 in
Transmission shafts	end float	0.10 - 0.20 mm	0.00394 - 0.00787 in

TIGHTENING TORQUES - ENGINE		
Hexagon nut – primary gear	M14x1.25	Loctite 243 + 40 Nm/30 ft.lb
Hexagon nut – primary gear	M10	Loctite 243 + 60 Nm/44 ft.lb
Collar nut – flywheel	M10x1.25/M12x1	33 Nm/30 ft.lb
HH bolt – cylinder head	M 7	18 Nm/11 ft.lb
Collar nut – cylinder base	M8	25 Nm/19 ft.lb
Hexagon bolt – inner clutch hub	M10	Loctite 243 + 60 Nm/44 ft.lb
Bolt – clutch	M6	12 Nm/9 ft.lb
Oil drain plug	M8	15 Nm/11ft.lb
Bolts – clutch cover	M6	8 Nm/6 ft.lb
Kickstarter stop plate	M6	Loctite 243 + 13 Nm/10 ft.lb
Bolts – stator	M4	Loctite 243 + 2 Nm/1,5 ft.lb
AH bolts – stator	M5	Loctite 243 + 6 Nm/4,5 ft.lb
Shift drum locating device	M6	Loctite 243 + 14 Nm/11 ft.lb
Other bolts – engine	M5 M6	6 Nm/4.5 ft.lb 10 Nm/7 ft.lb

TIGHTENING TORQUES - CHASSIS		
Hexagon bolt - brake caliper front	M8	Loctite 243 + 20 Nm/15 ft.lb.
Flat head bolt - brake discs	M6	Loctite 243 + 10 Nm/7 ft.lb.
Hexagon nut - front wheel spindle	M10	40 Nm/30 ft.lb.
Hexagon nut - front wheel spindle	M12x1	50 Nm/37 ft.lb.
Hexagon nut - rear wheel spindle	M12x1	40 Nm/30 ft.lb.
Hexagon nut - swingarm bolt	M12x1	40 Nm/30 ft.lb.
Clamping bolts - top triple clamp	M8	20 Nm/15 ft.lb.
Clamping bolts - bottom triple clamp	M8	15 Nm/11 ft.lb.
Clamping bolts - front wheel axle clamp	M6	10 Nm/7 ft.lb.
AH bolt - handlebar clamp	M8	20 Nm/15 ft.lb.
Hexagon bolt - handlebar clamp	M8	20 Nm/15 ft.lb.
AH bolt - handlebar support	M10	Loctite 243 + 40 Nm/30 ft.lb.
Hexagon nut fork tube	M20x1.5	10 Nm/7 ft.lb.
Hexagon bolt - shock absorber top/bottom	M10	45 Nm/33 ft.lb.
Sprocket bolts	M8	Loctite 243 + 35 Nm/26 ft.lb.
Ball joint for push rod	M6	Loctite 243 + 10 Nm/7 ft.lb.
Tire holder	M8	5 Nm/4 ft.lb.
Spoke nipple	M3.5	3-4 Nm/4-5.5 ft.lb.
Other bolts chassis	M5 M6 M8 M10	6 Nm/4.5 ft.lb. 10 Nm/7 ft.lb. 25 Nm/18 ft.lb. 40 Nm/30 ft.lb.