

# TECHNICAL SPECIFICATIONS – CHASSIS 85/105 SX 2007»

CHASSIS	85 SX (17"/14")	85/105 SX (19"/16")
Frame	Central chrome-moly-steel frame	
Fork	telescopic fork WP Suspension 4357 MXMA	
Wheel travel front/rear	275 mm / 300 mm (10.82/11.81 in)	
Rear suspension	WP PDS 4618 (Progressive Damping System) shock absorber	
Front brake	Disc brake Ø 220 mm (8.66 in), 4 piston	
Rear brake	Disc brake Ø 200 mm (7.87 in), 4 piston	
Tires front	70/100-17" Pirelli NHS 40 M	70/100-19" Pirelli NHS 42M
Tires rear	90/100-14" Pirelli NHS 49	90/100-16" Pirelli NHS 51
Air pressure	1.0 bar	
Fuel tank capacity	5.1 liter	
Final drive ratio	14 : 46 t	14 : 49 t
Chain	1/2 x 5/16" 122 rolls	
Steering angle	66 °	
Wheel base	1290 mm	
Seat height, unloaded	865 mm	900 mm
Ground clearance	385 mm	415 mm
Dead weight without fuel	66 kg	68 kg
Rider's body weight	max. 75 kg	
Recommended age of rider	10 to 15 years	
Engine	CR-85	

STANDARD ADJUSTMENT – FORK	
	WP 4357 MXMA 05187C05
Compression adjuster	20
Rebound adjuster	20
Spring	3 N/mm
Spring preload	3 mm
Air chamber length	110 mm
Fork oil	SAE 5

STANDARD ADJUSTMENT - SHOCK ABSORBER	
	WP 4618 PDS-DCC WP 15187C02
Compression adjuster	15 LS (LOW SPEED) 2 HS (HIGH SPEED)
Rebound adjuster	22
Spring	35-215
Spring preload	7 mm

TIGHTENING TORQUES - CHASSIS		
Hexagon bolt - brake caliper front	M 8	Loctite 243 + 25 Nm
Allan head screw - brake pads rear	M6	5 Nm
Flat head bolt - brake discs	M6	Loctite 243 + 14 Nm
Hexagon nut - front wheel spindle	M 10x 1.5	40 Nm
Hexagon nut - rear wheel spindle	M 20x1.5	80 Nm
Hexagon nut - swingarm bolt	M 14/M 16x1.5	75 Nm
Clamping bolts - top triple clamp	M 8	20 Nm
Clamping bolts - bottom triple clamp	M 8	15 Nm
Bolt - handlebar clamp	M 8	20 Nm
Spoke nipple	M 4,5	5.0 Nm
Other chassis bolts	M6	10 Nm
	M8	25 Nm
	M10	45 Nm