

# TECHNICAL DATA - CHASSIS 400/640 LC4, LC4 R, SUPER MOTO, 620 LC 4 COMPETITION '99

	400/640 LC4, 620 Comp.	640 Super Moto	400/640 LC4 R*
Frame	Central chrome-moly-steel-frame		
Forkl	WP Extreme		
Wheel trave front/rearl	280 / 320 (11 / 12,6 in)		250 / 290 (9,8 / 11,5 in)
Raer suspension	Central shock absorber (WP) with PRO LEVER linkage to rear-swingarm with needle bearing		
Front bake	Disk brake with carbon-steel brake, brake caliper floated brake disk $\varnothing = 300$ mm (11,8 in)		
Raer brake	Disk brake with carbon-steel brake disk $\varnothing 220$ mm (8,7 in), brake caliper floated		
Tyres front	90/90-21	120/70-17	90/90-21
Air press. road, driver only	1,5 bar (21 psi)	2,0 bar (28 psi)	1,5 bar (21 psi)
Air press. road, with passenger	2,0 bar (28 psi)	2,2 bar (31 psi)	2,0 bar (28 psi)
Tyres rear	LC4:140/80-18, Comp.130/80-18	160/60-17	140/80-18
Air press. road, driver only	2,0 bar (28 psi)	2,2 bar (31 psi)	2,0 bar (28 psi)
Air press. road, with passenger	2,2 bar (31 psi)	2,4 bar (34 psi)	2,2 bar (31 psi)
Fuel tank capacity	12 liter (3,17 US gallons) / 18 liter (4,75 US gallons) 2,5 liter (0,66 US gallons) reserve		
Final drive ratio	400/15:45, 640/16:42, 620/16:40;	17:40	16:42
Chain	O-Ring $\frac{5}{8} \times \frac{1}{4}$ "		
Battery	maintenance-free battery 12V 8Ah		
Steering angle	62,5°	63°	62,5°
Wheel base	1510 $\pm$ 10 mm (59,4 $\pm$ 0,4 in)		
Seat high	955 mm (37,6 in)	935 mm (36,8 in)	
Ground clearence	375 mm (14,7 in)	355 mm (13,2 in)	
Dead weight whitout fuel	136 kg (300 lbs )	137 kg (302 lbs)	135 kg (298 lbs)
Max. permissable front axe load	211 kg (466lbs)		
Max. permissable rear axe load	335 kg(740lbs)		
Max. permissable laden weight	350 kg(773(lbs)		

\*R=reduction seat high

## STANDARD ADJUSTMENT - FORK

	918 S 757	918 S 776
Compression adjuster	12	12
Rebound adjuster	12	12
Spring	4,4 N/mm	4,4 N/mm
Spring preload	10 mm (0,4 in)	15 mm (0,6 in)
Air chamber length	160 mm (6,3 in)	160 mm (6,3 in)
Capacity per fork leg	ca. 800 ccm	ca. 800 ccm
Fork oil	SAE5	SAE5

### NOTE FOR WHITE POWER FORKS:

The damping units in the left and the right fork leg are of different design. Make sure not to mix them up in case of repair or service works.

## STANDARD ADJUSTMENT - SHOCK ABSORBER

	118 S 701	118 Q 784
Compression adjuster	3	3
Rebound adjuster	5	4
Spring	66/260	63/260
Spring preload	23 mm	23 mm

## TORQUES

Collar screw front axle	M 10	40 Nm (30 ft.lb)
Brake caliper front	M8	Loctite 242 + 25 Nm (19 ft.lb)
Collar nut rear axle	M 20x1,5	80 Nm (59 ft.lb)
Hex. nut swing arm bolt	M 14x1,5	100 Nm (74 ft.lb)
Clamping screw top triple clamp	M 8	15 Nm (11 ft.lb)
Clamping screw bottom triple clamp	M 8	20 Nm (15 ft.lb)
Clamping screws fork leg axle passage	M 8	10 Nm (7 ft.lb)
Other screws chassis	M6	10 Nm (7 ft.lb)
	M8	25 Nm (19 ft.lb)
	M10	45 Nm (33 ft.lb)