TECHNICAL SPECIFICATIONS - CHASSIS 400/620 SX, SC, EGS '98

	620 SX	400/620 SC	400/620 EGS
Frame	Central chrome-moly-steel frame		
Fork	WP Extreme		WP-USD Topadjuster
Wheel travel front/rear	285/320 mm (11,2/12,6 in)		300/320 mm (11,8/12,6 in)
Rear suspension	Central shock absorber (WP) with PRO-LEVER linkage to rear-swingarm with needle bearing		
Front brake	Disc brake with carbon-steel brake disc , brake caliper floated brake disc Ø = 260 mm (10,2 in)		brake disc Ø = 300 mm (11,8 in)
Rear brake	Disc brake with carbon-steel brake disc Ø 220 mm (8,7 in), brake caliper floated		
Tyres front Air pressure offroad Air press. road, driver only Air press. road with passenger	80/100-21 1,0 bar (14 psi) – –	90/90-21 1,0 bar (14 psi) 1,5 bar (21 psi) –	90/90-21 54S – 1,5 bar (21 psi) 2,0 bar (28 psi)
Tyres rear Air pressure offroad Air press. road, driver only Air press. road with passenger	110/90-19 1,2 bar (17 psi) – –	140/80-18 70R 1,2 bar (17 psi) 2,0 bar (28 psi) –	130/80-18 66S – 2,0 bar (28 psi) 2,2 bar (31 psi)
Fuel tank capacity	9 liter (3 US gallons) of that 1,5 liter (0,4 US gallons) reserve		11,3 or 20 liter (3 or 5,3 US gallons) of that 1,5 liter (0,4 US gallons) res
Final drive ratio	14:48, 14:50, 15:40, 15:45, 15:48 15:50, 16:40, 16:45,		
Chain	$^5/_8$ x $^1/_4$"		
Steering angle	62,5°		
Wheel base	1510 ± 10 mm (59,4 ± 0,4 in)		
Seat high	940 mm (37 in)		
Ground clearance	350 mm (13,8 in)		
Dead weight without fuel	115 kg (254 lbs)	400: 121 kg (267 lbs) 620: 122 kg (269 lbs)	400: 131 kg (289 lbs) 620: 133 kg (293 lbs)
Max. permissible front axle load			211 kg (466 lbs)
Max. permissible rear axle load			335 kg (737 lbs)
Max. permissible laden weight			350 kg (770 lbs)

STANDARD ADJUSTMENT - FORK

	K4T97SX	K4T97SC	K4T96L3
Compression adjuster	8	12	10
Rebound adjuster	12	12	14
Spring	4,4 N/mm	4,2 N/mm	4,4 N/mm
Spring preload	8 mm	7 mm	10 mm
Air chamber length	140 mm	155 mm	130 mm
Capacity per fork leg	ca 800 ccm	ca 800 ccm	ca 500 ccm
Fork oil	SAE 5	SAE 5	SAE 5

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.

STANDART-ADJUSTMENT - SHOCK ABSORBER

	WP 01.18.S7.98	WP 01.18.Q7.82	WP 01.18.Q7.81
Compression adjuster	3	3	3
Rebound adjuster	5	4	4
Spring	66/260	63/260	66/260
Spring preload	17 mm	23 mm	23 mm

TORQUES

Collar screw front axle	M 10	40 Nm	(30 ft.lb)
Brake caliper front	M 8	25 Nm + Loctite 242	(19ft.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 (Extreme) M8 (USD)	15 Nm 15 Nm	(11 ft.lb) (11 ft.lb)
Clamping screw bottom triple clamp	M 8 (Extreme) M8 (USD)	20 Nm 15 Nm	(15 ft.lb) (11 ft.lb)
Clamping screws fork leg axle passage	M 7/M8	7/10 Nm	(5/7 ft.lb)
Other screws chassis	M6 M8 M10	10 Nm 25 Nm 45 Nm	(7 ft.lb) (19 ft.lb) (33 ft.lb)