

## TECHNICAL DATA – CHASSIS »

CHASSIS	660 RALLY
Frame	Central chrome-moly-steel-frame
Fork	WP Suspension – Up Side Down 48
Wheel travel front/rear	295 / 320 (11.6 / 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, 2-piston brake caliper floated
Brake disc front	∅ = 300 mm
Rear brake	Disc brake with carbon-steel brake disc, brake caliper floated
Brake disc rear	∅ = 220 mm
Tyres front	90/90-21 Michelin T63
Air press. road, driver only	1,5 bar (21 psi)
Tyres rear	130/80-18 Michelin T63
Air press. road, driver only	2,0 bar (28 psi)
Fuel tank capacity	each main tank 12 litre, each side tank 12 litre
Final drive ratio	16:44
Chain	5/8 x 1/4" X-Ring
Head light	H4 12V 60/55W (Socket P43t)
Parking light	12V 5W (Socket W2,1x9,5d)
Instrument light	LED
Indicator lamps	LED
Brake light	12V 21/5W (Socket BaY15d)
Rear light	12V 21/5W (Socket BaY15d)
Flasher light	12V 10W (Socket Ba15s)
License plate illumination	12V 5W (Socket W2,1x9,5d)
Battery	maintenance-free battery 12V 8.6 Ah
Steering angle	62,5°
Wheel base	1510 ± 10 mm (59.5 ± 0.4 in)
Seat high	980 mm (38.6 in)
Ground clearance	approx. 320 mm (12.6 in)
Dead weight without fuel	158 kg (349 lb)
Max. permissible front axle load	211 kg (466 lb)
Max. permissible rear axle load	335 kg (740 lb)
Max. permissible laden axle load	350 kg (773 lb)

STANDARD ADJUSTMENT FORK	
	WP4860MXMA 14187B10
Compression adjuster	15
Rebound adjuster	14
Spring	4,8 N/mm
Spring preload	PA 5 Turns
Air chamber length	120 mm
Fork oil	SAE 5

STANDARD ADJUSTMENT SHOCK ABSORBER	
	WP 12187B17
Compression adjuster	13 (Low Speed) 2 (High Speed)
Rebound adjuster	19
Spring	66-86/280
Spring preload	25 mm

## TECHNICAL DATA – CHASSIS »

TORQUES		
Collar nut front axle	M16x1,5	40 Nm
Brake caliper front	M8	Loctite 243 + 25 Nm
Collar nut rear axle	M20x1,5	80 Nm
Hex. nut swing arm bolt	M14x1,5	100 Nm
Clamping screw top triple clamp	M8	20 Nm
Clamping screw bottom triple clamp	M8	15 Nm
Clamping screws fork leg axle passage	M8	10 Nm
Collar screw handlebar clamp	M8	Loctite 243 + 20 Nm
Allan head screw handlebar support	M10	Loctite 243 + 40 Nm
Collar nut connecting rod pro lever system	M12x1,75	60 Nm
Collar screw brake discs front/rear	M6	Loctite 243 + 15 Nm
Ball joint for push rod rear brake cylinder	M8	Loctite 243 + 35 Nm
Self locking nut rear sprocket	M6	Loctite 243 + 10 Nm
Other screws chassis	M6	10 Nm
	M8	25 Nm
	M10	45 Nm
Other collar nuts chassis	M6	15 Nm
	M8	30 Nm
	M10	50 Nm

## TECHNICAL DATA – ENGINE »

TIGHTENING TORQUES - ENGINE		
Hexagon nut at primary gear	M20x1,5	Loctite 243 + 170 Nm
Collar nut flywheel	M16x1,25 links	80° C + 150 Nm
Hexagon nut for inner clutch hub	M18x1,5	Loctite 243 + 90 Nm
Allan head screws freewheel hub	M6x12/M6x12,5	Loctite 648 + 12/16 Nm
Hexagonscrew oil pump	M6	Loctite 243 + 10 Nm
Hexagon screw camshaft gear	M10	35 Nm
Allan head screw cylinder head top sect.	M6x25/M6x65/M6x70 (8.8)	10 Nm
Allan head screw cylinder head top sect.	M7x55/M7x60 (12.9)	15 Nm
Cylinder head screws	M10	10/53 Nm
Collar nuts at cylinder base	M10	10/55 Nm
Hexagon screw chain sprocket	M10	Loctite 243 + 40 Nm
Oil drain plug	M22x1,5	30 Nm
Magnetic plug	M12x1,5	20 Nm
Plug bypass valve	M12x1,5	20 Nm
Hollow screws oil lines	M8x1	10 Nm
Hollow screws oil lines	M10x1	15 Nm
Jet screw clutch cover	M8	10 Nm
Screw plug timing-chain tensioner	M12x1,5	20 Nm
Counternuts valve adjusting screws	M7x0,75	16 Nm
Crankshaft locking bolt	M8	20 Nm
Engine mounting bolt	M8	40 Nm
Engine mounting bolt	M10	70 Nm