

TECHNICAL SPECIFICATIONS - CHASSIS KTM 640 DUKE '99

Frame	Central chrome-moly-steel frame
Fork	type WP - USD 43 Top adjuster 518T780 wheel travel 140 mm (5,5 in) standard adjustment compression driver only = 14, with passenger = 14 standard adjustment rebound driver only = 14, with passenger = 14 fork leg projection upper fork bridge 3 mm (0,12 in) oil capacity per fork leg appr. 750 ccm (45 cubic in) / SAE 5 air chamber lenght 100 mm (4 in)
Rear suspension	WP central shock absorber with PRO-LEVER linkage to rear- swing-arm with needle bearing
Shock absorber	type WP central shock absorber BAVP 118Q785 rear wheel travel 170 mm (6.7 in) standard adjustment compression driver only = 3, with passenger = 5 standard adjustment rebound driver only = 5, with passenger = 3 spring preload driver only = 23 mm (0.9 in), with passenger = 28 mm (1.1 in) spring type 70 - 260
Front brake	Disc brake with carbon-steel brake disc Ø 320 mm (12,6 in) and 4-piston brake caliper
Rear brake	Disc brake with carbon-steel brake disc Ø 220 mm (8,7 in) and single-piston brake caliper floated
Tyres	front: 120/70 R 17 58H rear: 160/60 R 17 69H
Air pressure rider only	2.0 bar (29 psi) 2.2 bar (32 psi)
Air pressure with passenger	2.2 bar (32 psi) 2.4 bar (35 psi)
Fuel tank capacity	12 liter (3,2 US gallons), out of this 2,5 liter (0,6 US gallons) reserve
Final drive ratio	17 : 38
Chain	o-ring 5/8 x 1/4"
Lamps	low beam HB3 12V 65W (socket P20d) high beam HB3 12V 65W (socket P20d) parking light 12V 5W (socket W2,1x9,5d) speedometer, tachometer light 12V 1,2W (socket W2x4,6d) indicator lamp 12V 1,2W (socket W2x4,6d) stop and taillight 12V 21/5W (socket BaY15d) flasher 12V 10W (socket Ba15s)
Battery	maintenance-free battery 12V 8Ah
Steering angle	62,5°
Wheel base	1460 ± 15 mm (57.5 ± 0.6 in)
Seat high	860 mm (33.9 in)
Ground clearance	250 mm (9.9 in)
Dead weight without fuel	145 kg (3 lbs)
Max. permissible front axle load	150 kg (2 lbs)
Max. permissible rear axle load	200 kg (4 lbs)
Max. permissible laden weight	350 kg (773 lbs)

TORQUES		
Front axle	M 17	40 Nm (30 ft.lb)
Rear axle	M20x1.5	80 Nm (59 ft.lb)
Hex. nut swing arm bolt	M14x1.5	100 Nm (74 ft.lb)
Clamping screw upper fork bridge	M8	15 Nm (11 ft.lb)
Clamping screw lower fork bridge	M8	15 Nm (11 ft.lb)
Clamping screws fork stubs	M8	15 Nm (11 ft.lb)
AH screws front brake caliper	M10x1,25	Loctite 242 + 40 Nm (30 ft.lb)
AH screw rear brake caliper support	M10	40 Nm (30 ft.lb)
Collar nuts chain tension eccentrics	M10	40 Nm (30 ft.lb)
Screws handlebar clamps	M8	25 Nm (15 lb.ft)
Other screws chassis	M6	10 Nm (7 ft.lb)
	M8	25 Nm (22 ft.lb)
	M10	45 Nm (33 ft.lb)