

Frame	Central tube frame made of chrome molybdenum steel tubing	
Fork	WP 4860 MXMA PA	
Suspension travel		
front	300 mm (11.81 in)	
Rear	335 mm (13.19 in)	
Fork offset (EXC-R SIX DAYS, XCR-W USA)		
Front marking	18 mm (0.71 in)	
Rear marking	20 mm (0.79 in)	
Fork offset (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W ZA)	20 mm (0.79 in)	
Shock absorber	WP PDS 5018 DCC	
Brake system	Disc brakes, brake calipers on floating bearings	
Diameter of brake discs		
front	260 mm (10.24 in)	
Rear	220 mm (8.66 in)	
Wear limit of brake discs		
front	2.5 mm (0.098 in)	
Rear	3.5 mm (0.138 in)	
Tire air pressure off road		
front	1.0 bar (15 psi)	
Rear	1.0 bar (15 psi)	
Road tire pressure (Every EXC-R models)		
front	1.5 bar (22 psi)	
Rear	2.0 bar (29 psi)	
Rear wheel gearing (450 EXC-R EU, 450 EXC-R AUS/UK, 450 EXC-R USA)	15:45 (14:52)	
Rear wheel gearing (450 EXC-R SIX DAYS, XCR-W ZA)	14:52	
Rear wheel gearing (530 EXC-R SIX DAYS, XCR-W USA)	14:50	
Rear wheel gearing (530 EXC-R EU, 530 EXC-R AUS/UK)	15:45 (14:50)	
Chain	5/8 x 1/4"	
Rear sprockets available	38, 40, 42, 45, 48, 49, 50, 51, 52	
Steering head angle	63.5°	
Wheelbase	1475±10 mm (58.07±0.39 in)	
Seat height unloaded	925 mm (36.42 in)	
Ground clearance unloaded	380 mm (14.96 in)	
Weight without fuel (EXC-R EU, EXC-R AUS/UK, EXC-R SIX DAYS)	113.9 kg (251.1 lb.)	
Weight without fuel (XCR-W USA)	112.2 kg (247.4 lb.)	
Weight without fuel (XCR-W ZA)	113 kg (249 lb.)	
Weight without fuel (EXC-R USA)	114.8 kg (253.1 lb.)	
Maximum permissible front axle load	145 kg (320 lb.)	
Maximum permissible rear axle load	190 kg (419 lb.)	
Maximum permissible overall weight	335 kg (739 lb.)	
4Ah battery	YTX5L-BS	Battery voltage: 12 V Nominal capacity: 4 Ah maintenance-free

Lighting equipment

Headlight (EXC-R EU, EXC-R AUS/UK, EXC-R SIX DAYS, EXC-R USA, XCR-W ZA)	BA20d	12 V 35/35 W
Parking light (EXC-R EU, EXC-R AUS/UK, EXC-R SIX DAYS, EXC-R USA, XCR-W ZA)	W2,1x9,5d	12 V 5 W
Indicator lights (Every EXC-R models)	W2x4,6d	12 V 1.2 W
Flasher light (EXC-R EU, EXC-R AUS/UK)	BA15s	12 V 10 W
Flasher light (EXC-R USA)	BAU15s	12 V 10 W
Brake / tail light (EXC-R EU, EXC-R AUS/UK, EXC-R SIX DAYS, XCR-W ZA)	LED	
Brake / tail light (EXC-R USA)	BAY15d	12 V 21/5 W
Licence plate lamp (EXC-R EU, EXC-R AUS/UK)	W2,1x9,5d	12 V 5 W

Tires

Validity	Front tire	Rear tire
(Every EXC-R models)	90/90 - 21 48 M+S M TT Metzeler MCE 6 DAYS EXTREME	140/80 - 18 70 M+S M TT Metzeler MCE 6 DAYS EXTREME
(Every XCR-W models)	80/100 - 21 51 M TT Bridgestone M59	110/100 - 18 64 M TT Bridgestone M402
For further information, see: http://www.ktm.com		

Capacity - fuel

Tank capacity (EXC-R EU, EXC-R AUS/UK, EXC-R SIX DAYS, XCR-W ZA)	9 l (2.4 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ P. 114)
Tank capacity (EXC-R USA, XCR-W USA)	9.2 l (2.43 US gal)	Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ P. 114)

Fork part number (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	14.18.7D.06
Fork part number (EXC-R SIX DAYS)	14.18.7D.35
Fork	WP 4860 MXMA PA
Compression damping (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Comfort	24 clicks
Standard	20 clicks
Sport	18 clicks
Compression damping (EXC-R SIX DAYS)	
Comfort	24 clicks
Standard	22 clicks
Sport	18 clicks
Rebound damping (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Comfort	20 clicks
Standard	18 clicks
Sport	18 clicks
Rebound damping (EXC-R SIX DAYS)	
Comfort	20 clicks
Standard	20 clicks
Sport	18 clicks
Spring length with preload spacer(s)	510 mm (20.08 in)
Spring rate (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Weight of rider: 65... 75 kg (143... 165 lb.)	4.4 N/mm (25.1 lb/in)
Weight of rider: 75... 85 kg (165... 187 lb.)	4.6 N/mm (26.3 lb/in)
Weight of rider: 85... 95 kg (187... 209 lb.)	4.8 N/mm (27.4 lb/in)
Spring rate (EXC-R SIX DAYS)	
Weight of rider: 65... 75 kg (143... 165 lb.)	4.6 N/mm (26.3 lb/in)
Weight of rider: 75... 85 kg (165... 187 lb.)	4.8 N/mm (27.4 lb/in)
Air chamber length	100 ⁺³⁰ ₋₂₀ mm (3.94 ^{+1.18} _{-0.79} in)
Spring preload - Preload Adjuster (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	
Comfort	2 turns
Standard	4 turns
Sport	7 turns
Spring preload - Preload Adjuster (EXC-R SIX DAYS)	
Comfort	2 turns
Standard	2 turns
Sport	7 turns
Fork length	940 mm (37.01 in)
Fork oil (☛ P. 114)	SAE 5

Shock absorber part number (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	12.18.7D.06
Shock absorber part number (EXC-R SIX DAYS)	12.18.7D.35
Shock absorber	WP PDS 5018 DCC
Compression damping, low-speed	
Comfort	18 clicks
Standard	15 clicks
Sport	12 clicks
Compression damping, high-speed	
Comfort	2 turns
Standard	1.5 turns
Sport	1 turn
Rebound damping	
Comfort	24 clicks
Standard	22 clicks
Sport	20 clicks
Spring preload	
Standard	9 mm
Spring rate	
Weight of rider: 65... 75 kg (143... 165 lb.)	69 N/mm (394 lb/in)
Weight of rider: 75... 85 kg (165... 187 lb.)	72 N/mm (411 lb/in)
Weight of rider: 85... 95 kg (187... 209 lb.)	76 N/mm (434 lb/in)
Spring length	250 mm (9.84 in)
Gas pressure	10 bar (145 psi)
Static sag	35 mm (1.38 in)
Riding sag	105 mm (4.13 in)
Fitted length	411 mm (16.18 in)

Spoke nipple, front wheel	M4,5	5 Nm (3.7 lbf ft)	–
Spoke nipple, rear wheel	M5	5 Nm (3.7 lbf ft)	–
Remaining nuts, chassis	M6	15 Nm (11.1 lbf ft)	–
Remaining screws, chassis	M6	10 Nm (7.4 lbf ft)	–
Screw, rear brake disc	M6	14 Nm (10.3 lbf ft)	–
Screw, front brake disc	M6	14 Nm (10.3 lbf ft)	–
Screw, shock absorber adjusting ring	M6	5 Nm (3.7 lbf ft)	–
Screw, ball joint of push rod on foot-brake cylinder	M6	10 Nm (7.4 lbf ft)	–
Nut, rear sprocket screw	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Nut, rim lock	M8	10 Nm (7.4 lbf ft)	–
Remaining nuts, chassis	M8	30 Nm (22.1 lbf ft)	–
Remaining screws, chassis	M8	25 Nm (18.4 lbf ft)	–
Screw, front brake caliper	M8	25 Nm (18.4 lbf ft)	Loctite® 243™
Screw, top triple clamp (EXC-R SIX DAYS, XCR-W USA)	M8	17 Nm (12.5 lbf ft)	–
Screw, top triple clamp (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W ZA)	M8	20 Nm (14.8 lbf ft)	–
Screw, bottom triple clamp (EXC-R SIX DAYS, XCR-W USA)	M8	12 Nm (8.9 lbf ft)	–
Screw, bottom triple clamp (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W ZA)	M8	15 Nm (11.1 lbf ft)	–
Screw, fork stub	M8	15 Nm (11.1 lbf ft)	–
Screw, top steering stem (EXC-R SIX DAYS, XCR-W USA)	M8	17 Nm (12.5 lbf ft)	Loctite® 243™
Screw, top steering stem (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W ZA)	M8	20 Nm (14.8 lbf ft)	–
Screw, handlebar clamp (EXC-R EU, EXC-R AUS/UK, EXC-R USA, XCR-W)	M8	20 Nm (14.8 lbf ft)	–
Screw, handlebar clamp (EXC-R SIX DAYS)	M8	16 Nm (11.8 lbf ft)	–
Screw, engine brace	M8	33 Nm (24.3 lbf ft)	–
Screw, subframe	M8	35 Nm (25.8 lbf ft)	Loctite® 243™
Screw, side stand fixing	M8	40 Nm (29.5 lbf ft)	Loctite® 243™
Engine carrying screw	M10	60 Nm (44.3 lbf ft)	–
Remaining nuts, chassis	M10	50 Nm (36.9 lbf ft)	–
Remaining screws, chassis	M10	45 Nm (33.2 lbf ft)	–
Screw, handlebar support	M10	40 Nm (29.5 lbf ft)	Loctite® 243™
Nut, seat fixing	M12x1	20 Nm (14.8 lbf ft)	–
Screw, top shock absorber	M12	80 Nm (59 lbf ft)	Loctite® 243™
Screw, bottom shock absorber	M12	80 Nm (59 lbf ft)	Loctite® 243™
Nut, swingarm pivot	M16x1,5	100 Nm (73.8 lbf ft)	–
Screw-in nozzles, cooling system	M20x1,5	12 Nm (8.9 lbf ft)	Loctite® 243™
Nut, rear wheel spindle	M20x1,5	80 Nm (59 lbf ft)	–
Screw, top steering head	M20x1,5	10 Nm (7.4 lbf ft)	–
Screw, bottom steering head (EXC-R SIX DAYS, XCR-W USA)	M20x1,5	60 Nm (44.3 lbf ft)	Loctite® 243™
Screw, front wheel spindle	M24x1,5	40 Nm (29.5 lbf ft)	–