

| | |
|--|---|
| Frame | Lattice frame made of chrome molybdenum steel tubing, powder-coated |
| Fork | WP Suspension Up Side Down 4860 ROMA PA |
| Shock absorber | WP Suspension 4618 BAVP DCC |
| Suspension travel (Supermoto) | |
| Front | 200 mm (7.87 in) |
| Rear | 210 mm (8.27 in) |
| Suspension travel (Supermoto R, Supermoto T) | |
| Front | 160 mm (6.3 in) |
| Rear | 180 mm (7.09 in) |
| Brake system | |
| Front | Double disc brake with radially screwed four-piston brake calipers, float-mounted brake discs |
| Rear | Single disc brake with dual-piston brake caliper, rigid-mounted brake disc |
| Brake discs - diameter | |
| Front | 305 mm (12.01 in) |
| Rear | 240 mm (9.45 in) |
| Brake discs - wear limit | |
| Front | 4.5 mm (0.177 in) |
| Brake disc - wear limit | |
| Rear | 4.5 mm (0.177 in) |
| Tire air pressure, Solo | |
| Front | 2.2 bar (32 psi) |
| Rear | 2.2 bar (32 psi) |

| | |
|--|---|
| Tire air pressure with passenger/full payload | |
| Front | 2.4 bar (35 psi) |
| Rear | 2.5 bar (36 psi) |
| Secondary drive ratio | 17:41 |
| Chain | 5/8 x 5/16" X-ring |
| Steering head angle (Supermoto) | 65.1° |
| Steering head angle (Supermoto R, Supermoto T) | 65.6° |
| Wheelbase (Supermoto) | 1,510 \pm 15 mm (59.45 \pm 0.59 in) |
| Wheelbase (Supermoto R, Supermoto T) | 1,505 \pm 15 mm (59.25 \pm 0.59 in) |
| Seat height, unloaded (Supermoto, Supermoto R) | 875 mm (34.45 in) |
| Seat height, unloaded (Supermoto T) | 855 mm (33.66 in) |
| Ground clearance, unloaded | 195 mm (7.68 in) |
| Weight without fuel, approx. (Supermoto) | 191 kg (421 lb.) |
| Weight without fuel, approx. (Supermoto R) | 189 kg (417 lb.) |
| Weight without fuel, approx. (Supermoto T) | 196 kg (432 lb.) |
| Maximum permissible front axle load (Supermoto, Supermoto T) | 190 kg (419 lb.) |
| Maximum permissible front axle load (Supermoto R) | 160 kg (353 lb.) |
| Maximum permissible rear axle load | 250 kg (551 lb.) |
| Maximum permissible total weight | 400 kg (882 lb.) |

| | | |
|---------|-------------|--|
| Battery | YTZ14S | Battery voltage: 12 V Nominal capacity: 11.2 Ah maintenance-free |
| Fuse | 58011109110 | 10 A |
| Fuse | 58011109115 | 15 A |
| Fuse | 58011109130 | 30 A |

Lighting equipment

| | | |
|---------------------------------------|-----------------------|-----------------|
| Low beam/high beam | H4/socket P43t | 12 V 60/55 W |
| Parking light | W5W/socket W2.1x9.5d | 12 V 5 W |
| Instrument lights and indicator lamps | LED | |
| Turn signal | RY10W/socket BAU15s | 12 V 10 W |
| Tail light | WR5W/socket W2.1x9.5d | 12 V 5 W |
| Brake light | PR21W/socket BAW15s | 12 V 21 W |
| License plate lamp | W5W/socket W2.1x9.5d | 12 V 5 W |

Tires

| Validity | Front tire | Rear tire |
|---------------|---|---|
| (Supermoto) | 120/70 ZR 17 M/C 58W TL Pirelli SCORPION SYNC | 180/55 ZR 17 M/C 73W TL Pirelli SCORPION SYNC |
| (Supermoto R) | 120/70 ZR 17 M/C 58W TL Pirelli DRAGON SUPERCORSA PRO | 180/55 ZR 17 M/C 73W TL Pirelli DRAGON SUPERCORSA PRO |
| (Supermoto T) | 120/70 ZR 17 M/C 58W TL Continental ContiSportAttack | 180/55 ZR 17 M/C 73W TL Continental ContiSportAttack |

Additional information is available in the Service section under:
<http://www.ktm.com>

Capacity - fuel

| | | |
|--|-----------------|--|
| Total fuel tank capacity, approx. (Supermoto, Supermoto T) | 19 l (5 US gal) | Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 196) |
| Total fuel tank capacity, approx. (Supermoto R) | 15 l (4 US gal) | Super unleaded (ROZ 95 / RON 95 / PON 91) (☛ p. 196) |
| Fuel reserve, approx. (Supermoto, Supermoto T) | | 3.7 l (3.9 qt.) |
| Fuel reserve, approx. (Supermoto R) | | 3.5 l (3.7 qt.) |

Supermoto

| | |
|--|--|
| Fork part number | 14.18.7E.20 |
| Fork | WP Suspension Up Side Down 4860 ROMA PA |
| Compression damping | |
| Comfort | 20 clicks |
| Standard | 15 clicks |
| Sport | 10 clicks |
| Full payload | 15 clicks |
| Rebound damping | |
| Comfort | 22 clicks |
| Standard | 17 clicks |
| Sport | 12 clicks |
| Full payload | 17 clicks |
| Spring preload - Preload Adjuster | |
| Comfort | 7 turns |
| Standard | 5 turns |
| Sport | 5 turns |
| Full payload | 5 turns |
| Spring length with preload spacer(s) | 457 mm (17.99 in) |
| Spring rate | |
| Soft | 5.9 N/mm (33.7 lb/in) |
| Medium (standard) | 6.2 N/mm (35.4 lb/in) |
| Hard | 6.5 N/mm (37.1 lb/in) |
| Fork length | 890 mm (35.04 in) |

| | | |
|--------------------|--------------------------|-----------------------------|
| Air chamber length | 110±20 mm (4.33±0.79 in) | |
| Fork oil | 605 ml (20.46 fl. oz.) | Fork oil (SAE 5) (☛ p. 195) |

Supermoto R

| | | |
|--|--|--|
| Fork part number | 14.18.7E.21 | |
| Fork | WP Suspension Up Side Down 4860 ROMA PA | |
| Compression damping | | |
| Comfort | 20 clicks | |
| Standard | 15 clicks | |
| Sport | 10 clicks | |
| Full payload | 10 clicks | |
| Rebound damping | | |
| Comfort | 20 clicks | |
| Standard | 15 clicks | |
| Sport | 10 clicks | |
| Full payload | 10 clicks | |
| Spring preload - Preload Adjuster | | |
| Comfort | 5 turns | |
| Standard | 5 turns | |
| Sport | 3 turns | |
| Full payload | 3 turns | |
| Spring length with preload spacer(s) | 386 mm (15.2 in) | |
| Spring rate | | |
| Medium (standard) | 7.5 N/mm (42.8 lb/in) | |

| | | |
|--------------------|--------------------------|-----------------------------|
| Fork length | 877 mm (34.53 in) | |
| Air chamber length | 100±20 mm (3.94±0.79 in) | |
| Fork oil | 750 ml (25.36 fl. oz.) | Fork oil (SAE 5) (☛ p. 195) |

Supermoto T

| | | |
|--|--|--|
| Fork part number | 14.18.7E.43 | |
| Fork | WP Suspension Up Side Down 4860 ROMA PA | |
| Compression damping | | |
| Comfort | 25 clicks | |
| Standard | 20 clicks | |
| Sport | 15 clicks | |
| Full payload | 15 clicks | |
| Rebound damping | | |
| Comfort | 25 clicks | |
| Standard | 20 clicks | |
| Sport | 15 clicks | |
| Full payload | 15 clicks | |
| Spring preload - Preload Adjuster | | |
| Comfort | 5 turns | |
| Standard | 5 turns | |
| Sport | 3 turns | |
| Full payload | 3 turns | |
| Spring length with preload spacer(s) | 384 mm (15.12 in) | |
| Spring rate | | |

| | | |
|--------------------|--|-----------------------------|
| Medium (standard) | 7.0 N/mm (40 lb/in) | |
| Fork length | 877 mm (34.53 in) | |
| Air chamber length | 110 ⁺¹⁰ ₋₃₀ mm (4.33 ^{+0.39} _{-1.18} in) | |
| Fork oil | 742 ml (25.09 fl. oz.) | Fork oil (SAE 5) (☛ p. 195) |

Supermoto

| | |
|---------------------------------|------------------------------------|
| Shock absorber part number | 15.18.7E.15 |
| Shock absorber | WP Suspension 4618 BAVP DCC |
| Compression damping, low-speed | |
| Comfort | 20 clicks |
| Standard | 15 clicks |
| Sport | 10 clicks |
| Full payload | 15 clicks |
| Compression damping, high-speed | |
| Comfort | 2.5 turns |
| Standard | 2 turns |
| Sport | 1 turn |
| Full payload | 2 turns |
| Rebound damping | |
| Comfort | 20 clicks |
| Standard | 15 clicks |
| Sport | 10 clicks |
| Full payload | 15 clicks |
| Spring preload | |
| Comfort | 11 mm (0.43 in) |
| Standard | 11 mm (0.43 in) |
| Sport | 11 mm (0.43 in) |
| Full payload | 11 mm (0.43 in) |
| Spring rate | |

| | |
|----------------------|--|
| Medium (standard) | 130 N/mm (742 lb/in) |
| Spring length | 215 mm (8.46 in) |
| Gas pressure | 10 bar (145 psi) |
| Static sag | 20 mm (0.79 in) |
| Fitted length | 375 mm (14.76 in) |
| Shock absorber fluid | Shock absorber oil (SAE 2.5) (50180342S1) (☛ p. 195) |

Supermoto R

| | |
|---------------------------------|------------------------------------|
| Shock absorber part number | 15.18.7E.03 |
| Shock absorber | WP Suspension 4618 BAVP DCC |
| Compression damping, low-speed | |
| Comfort | 25 clicks |
| Standard | 20 clicks |
| Sport | 15 clicks |
| Full payload | 15 clicks |
| Compression damping, high-speed | |
| Comfort | 2 turns |
| Standard | 1.5 turns |
| Sport | 1 turn |
| Full payload | 1 turn |
| Rebound damping | |
| Comfort | 20 clicks |
| Standard | 15 clicks |
| Sport | 10 clicks |

| | |
|----------------------|--|
| Full payload | 10 clicks |
| Spring preload | |
| Comfort | 11 mm (0.43 in) |
| Standard | 11 mm (0.43 in) |
| Sport | 11 mm (0.43 in) |
| Full payload | 13 mm (0.51 in) |
| Spring rate | |
| Medium (standard) | 140 N/mm (799 lb/in) |
| Spring length | 200 mm (7.87 in) |
| Gas pressure | 10 bar (145 psi) |
| Static sag | 20 mm (0.79 in) |
| Fitted length | 372 mm (14.65 in) |
| Shock absorber fluid | Shock absorber oil (SAE 2.5) (50180342S1) (☛ p. 195) |

Supermoto T

| | |
|---------------------------------|------------------------------------|
| Shock absorber part number | 15.18.7E.43 |
| Shock absorber | WP Suspension 4618 BAVP DCC |
| Compression damping, low-speed | |
| Comfort | 25 clicks |
| Standard | 20 clicks |
| Sport | 15 clicks |
| Full payload | 15 clicks |
| Compression damping, high-speed | |
| Comfort | 2 turns |

| | |
|----------------------|--|
| Standard | 1.5 turns |
| Sport | 1 turn |
| Full payload | 1 turn |
| Rebound damping | |
| Comfort | 20 clicks |
| Standard | 15 clicks |
| Sport | 10 clicks |
| Full payload | 10 clicks |
| Spring preload | |
| Comfort | 11 mm (0.43 in) |
| Standard | 11 mm (0.43 in) |
| Sport | 11 mm (0.43 in) |
| Full payload | 13 mm (0.51 in) |
| Spring rate | |
| Medium (standard) | 140 N/mm (799 lb/in) |
| Spring length | 200 mm (7.87 in) |
| Gas pressure | 10 bar (145 psi) |
| Static sag | 20 mm (0.79 in) |
| Fitted length | 372 mm (14.65 in) |
| Shock absorber fluid | Shock absorber oil (SAE 2.5) (50180342S1) (☛ p. 195) |

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

| | | | |
|---------------------------------------|----|----------------------|----------------------|
| Screw, side stand switch | M4 | 2 Nm (1.5 lbf ft) | Loctite® 243™ |
| Remaining chassis screws | M5 | 5 Nm (3.7 lbf ft) | – |
| Screw, chain sliding guard | M5 | 5 Nm (3.7 lbf ft) | – |
| Screw, closure flange, fuel tank | M5 | 3.3 Nm (2.43 lbf ft) | – |
| Screw, foot brake pedal stub | M5 | 6 Nm (4.4 lbf ft) | Loctite® 243™ |
| Screw, mask spoiler (Supermoto T) | M5 | 1.2 Nm (0.89 lbf ft) | – |
| Screw, windshield (Supermoto T) | M5 | 3.3 Nm (2.43 lbf ft) | – |
| Nut, tail light | M6 | 8 Nm (5.9 lbf ft) | – |
| Remaining chassis screws | M6 | 10 Nm (7.4 lbf ft) | – |
| Screw, cable guide (Supermoto T) | M6 | 2 Nm (1.5 lbf ft) | – |
| Screw, chain sliding guard | M6 | 6 Nm (4.4 lbf ft) | Loctite® 243™ |
| Screw, foot brake cylinder | M6 | 10 Nm (7.4 lbf ft) | Loctite® 243™ |
| Screw, magnetic holder on side stand | M6 | 6 Nm (4.4 lbf ft) | Loctite® 243™ |
| Screw, seat bracket, fuel tank | M6 | 3.3 Nm (2.43 lbf ft) | – |
| Screw, splash protector | M6 | 6 Nm (4.4 lbf ft) | Loctite® 243™ |
| Screw, spoiler | M6 | 8 Nm (5.9 lbf ft) | – |
| Remaining chassis screws | M8 | 25 Nm (18.4 lbf ft) | – |
| Screw, bag carrier (Supermoto T) | M8 | 15 Nm (11.1 lbf ft) | Loctite® 243™ |
| Screw, bottom triple clamp | M8 | 15 Nm (11.1 lbf ft) | – |
| Screw, exhaust clamp on main silencer | M8 | 20 Nm (14.8 lbf ft) | – |
| Screw, exhaust clamp on manifold | M8 | 35 Nm (25.8 lbf ft) | – |
| Screw, fork stub | M8 | 15 Nm (11.1 lbf ft) | – |
| Screw, front brake disc | M8 | 30 Nm (22.1 lbf ft) | Loctite® 243™ |
| Screw, handlebar clamp | M8 | 20 Nm (14.8 lbf ft) | – |

TECHNICAL DATA - CHASSIS TIGHTENING TORQUES

| | | | |
|--------------------------------------|----------|----------------------|----------------------|
| Screw, handrail | M8 | 20 Nm (14.8 lbf ft) | – |
| Screw, ignition lock (ratchet screw) | M8 | | Loctite® 243™ |
| Screw, rear brake disc | M8 | 30 Nm (22.1 lbf ft) | Loctite® 243™ |
| Screw, rear footrest bracket | M8 | 25 Nm (18.4 lbf ft) | Loctite® 243™ |
| Screw, side stand holder | M8 | 25 Nm (18.4 lbf ft) | Loctite® 243™ |
| Screw, steering stem | M8 | 20 Nm (14.8 lbf ft) | – |
| Screw, top triple clamp | M8 | 20 Nm (14.8 lbf ft) | – |
| Engine carrying screw | M10 | 45 Nm (33.2 lbf ft) | – |
| Remaining chassis nuts | M10 | 50 Nm (36.9 lbf ft) | – |
| Screw, handlebar support | M10 | 20 Nm (14.8 lbf ft) | – |
| Screw, lower subframe | M10 | 45 Nm (33.2 lbf ft) | Loctite® 243™ |
| Screw, side stand | M10 | 35 Nm (25.8 lbf ft) | Loctite® 243™ |
| Screw, side stand bracket | M10 | 45 Nm (33.2 lbf ft) | Loctite® 243™ |
| Screw, upper subframe | M10 | 45 Nm (33.2 lbf ft) | Loctite® 243™ |
| Screw, front brake caliper | M10x1.25 | 45 Nm (33.2 lbf ft) | Loctite® 243™ |
| Oil drain plug with magnet | M12x1.5 | 25 Nm (18.4 lbf ft) | – |
| Screw, bottom shock absorber | M14 | 80 Nm (59 lbf ft) | Thread greased |
| Screw, top shock absorber | M14 | 80 Nm (59 lbf ft) | Thread greased |
| Nut, swingarm pivot | M19x1.5 | 130 Nm (95.9 lbf ft) | Thread greased |
| Screw, steering head | M20x1.5 | 12 Nm (8.9 lbf ft) | – |
| Screw connection, suction line | M24x1.5 | 25 Nm (18.4 lbf ft) | – |
| Screw, front wheel spindle | M24x1.5 | 45 Nm (33.2 lbf ft) | – |
| Nut, rear wheel spindle | M25x1.5 | 90 Nm (66.4 lbf ft) | Thread greased |