

FACTS



MODEL | KTM 790 ADVENTURE

ENGINE

ENGINE TYPE	2-cylinder, 4-stroke, DOHC Parallel twin
DISPLACEMENT	799 cc
BORE / STROKE	88 / 65.7 mm
POWER	70 kW (95 hp) @ 8,000 rpm
TORQUE	88 Nm @ 6,600 rpm
COMPRESSION RATIO	12.7:1
STARTER / BATTERY	Electric /12V 10Ah
TRANSMISSION	6 gears
FUEL SYSTEM	DKK Dell'Orto (Throttle body 46 mm)
CONTROL	8 V / DOHC
LUBRICATION	Pressure lubrication with 2 oil pumps
ENGINE OIL	Motorex, Power Synth SAE 10W-50
PRIMARY DRIVE	39:75
FINAL DRIVE	16:45
COOLING	Liquid cooled with water/oil heat exchanger
CLUTCH	Cable operated PASC™ Slipper clutch
IGNITION / ENGINE MANAGEMENT	Bosch EMS with RBW
TRACTION CONTROL	MTC (3-mode, disengageable, rally mode opt.)

CHASSIS

FRAME	Chromium-molybdenum-steel frame using the engine as stressed element, powder coated
SUBFRAME	Chromium-molybdenum-steel trellis, powder coated
HANDLEBAR	Aluminum, tapered, Ø 28 / 22 mm
FRONT SUSPENSION	WP-USD Ø 43 mm
REAR SUSPENSION	WP shock absorber
SUSPENSION TRAVEL FRONT / REAR	200 / 200 mm
FRONT BRAKE	2 × radially mounted 4 piston caliper, brake disc Ø 320 mm
REAR BRAKE	2 piston floating caliper, brake disc Ø 260 mm
ABS	Bosch 9.1 MP (incl. Cornering-ABS and offroad mode, disengageable)
WHEELS FRONT / REAR	Spoked wheels with aluminum rims, 2.50 × 21"; 4.50 × 18"
TIRES FRONT / REAR	90/90-21"; 150/70-18"
CHAIN	X-Ring 5/8 × 1/4"
SILENCER	Stainless steel primary and secondary silencer
STEERING HEAD ANGLE	64.1°
TRAIL	107.8 mm
WHEEL BASE	1,509 mm
GROUND CLEARANCE	233 mm
SEAT HEIGHT	850 / 830 mm
FUEL TANK CAPACITY	approx. 20 liters
DRY WEIGHT	approx. 189 kg (without fuel)



MODEL | KTM 790 ADVENTURE R

ENGINE TYPE	2-cylinder, 4-stroke, DOHC Parallel twin
DISPLACEMENT	799 cc
BORE / STROKE	88 / 65.7 mm
POWER	70 kW (95 hp) @ 8,000 rpm
TORQUE	88 Nm @ 6,600 rpm
COMPRESSION RATIO	12.7:1
STARTER / BATTERY	Electric /12V 10Ah
TRANSMISSION	6 gears
FUEL SYSTEM	DKK Dell'Orto (Throttle body 46 mm)
CONTROL	8 V / DOHC
LUBRICATION	Pressure lubrication with 2 oil pumps
ENGINE OIL	Motorex, Power Synth SAE 10W-50
PRIMARY DRIVE	39:75
FINAL DRIVE	16:45
COOLING	Liquid cooled with water/oil heat exchanger
CLUTCH	Cable operated PASC™ Slipper clutch
IGNITION / ENGINE MANAGEMENT	Bosch EMS with RBW
TRACTION CONTROL	MTC (3-mode + rally mode, disengageable)

FRAME	Chromium-molybdenum-steel frame using the engine as stressed element, powder coated
SUBFRAME	Chromium-molybdenum-steel trellis, powder coated
HANDLEBAR	Aluminum, tapered, Ø 28 / 22 mm
FRONT SUSPENSION	WP-USD Ø 48 mm
REAR SUSPENSION	WP PDS shock absorber
SUSPENSION TRAVEL FRONT / REAR	240 / 240 mm
FRONT BRAKE	2 × radially mounted 4 piston caliper, brake disc Ø 320 mm
REAR BRAKE	2 piston floating caliper, brake disc Ø 260 mm
ABS	Bosch 9.1 MP (incl. Cornering-ABS and offroad mode, disengageable)
WHEELS FRONT / REAR	Spoked wheels with aluminum rims, 2.50 × 21"; 4.50 × 18"
TIRES FRONT / REAR	90/90-21"; 150/70-18"
CHAIN	X-Ring 5/8 × 1/4"
SILENCER	Stainless steel primary and secondary silencer
STEERING HEAD ANGLE	63.7°
TRAIL	110.4 mm
WHEEL BASE	1,528 mm
GROUND CLEARANCE	263 mm
SEAT HEIGHT	880 mm
FUEL TANK CAPACITY	approx. 20 liters
DRY WEIGHT	approx. 189 kg (without fuel)


MODEL
 4-STROKE | **KTM 1090 ADVENTURE**

MODEL
 4-STROKE | **KTM 1090 ADVENTURE R**
ENGINE

ENGINE TYPE	2-cylinder, 4-stroke, V 75°	2-cylinder, 4-stroke, V 75°
DISPLACEMENT	1,050 cc	1,050 cc
BORE / STROKE	103/63 mm	103/63 mm
POWER	92 kW (125 hp) @ 8,500 rpm	92 kW (125 hp) @ 8,500 rpm
TORQUE	109 Nm @ 6,500 rpm	109 Nm @ 6,500 rpm
COMPRESSION RATIO	13.0:1	13.0:1
STARTER / BATTERY	Electric starter / 12V 11.2Ah	Electric starter / 12V 11.2Ah
TRANSMISSION	6 gears	6 gears
FUEL SYSTEM	Keihin EFI (throttle body 52 mm)	Keihin EFI (throttle body 52 mm)
CONTROL	4 V / DOHC	4 V / DOHC
LUBRICATION	Pressure lubrication with 3 Eaton pumps	Pressure lubrication with 3 Eaton pumps
ENGINE OIL	Motorex, SAE 10W-50	Motorex, SAE 10W-50
PRIMARY DRIVE	40:76	40:76
FINAL DRIVE	17:42	17:42
COOLING	Liquid cooling	Liquid cooling
CLUTCH	PASC™ slipper clutch, hydraulically operated	PASC™ slipper clutch, hydraulically operated
IGNITION / ENGINE MANAGEMENT	Keihin EMS with RBW, double ignition	Keihin EMS with RBW, double ignition
TRACTION CONTROL	TC (3-mode, disengageable, offroad mode opt.)	TC (4-mode, disengageable, incl. offroad mode)

CHASSIS

FRAME	Chromium-molybdenum-steel trellis frame, powder coated	Chromium-molybdenum-steel trellis frame, powder coated
SUBFRAME	Aluminum, powder coated	Aluminum, powder coated
HANDLEBAR	Aluminum, tapered, Ø 28 / 22 mm	Aluminum, tapered, Ø 28 / 22 mm
FRONT SUSPENSION	WP-USD Ø 43 mm	WP-USD Ø 48 mm
REAR SUSPENSION	WP shock absorber	WP PDS shock absorber
SUSPENSION TRAVEL FRONT / REAR	185 / 190 mm	220 / 220 mm
FRONT BRAKE	2 × Brembo four piston, radially mounted caliper, brake disc Ø 320 mm	2 × Brembo four piston, radially mounted caliper, brake disc Ø 320 mm
REAR BRAKE	Brembo two piston, fixed caliper, brake disc Ø 267 mm	Brembo two piston, fixed caliper, brake disc Ø 267 mm
ABS	Bosch 9M+ Two Channel (disengageable, offroad mode opt.)	Bosch 9M+ Two Channel (disengageable, incl. offroad mode)
WHEELS FRONT / REAR	Cast aluminum wheels 3 × 19"; 4,5 × 17"	Spoked wheels with aluminum tubeless rims 2.50 × 21"; 4.50 × 18"
TIRES FRONT / REAR	110/80 R 19; 150/70 R 17	90/90 21; 150/70 18
CHAIN	X-Ring 5/8 × 5/16"	X-Ring 5/8 × 5/16"
SILENCER	Stainless steel silencer with regulated catalytic converter	Stainless steel silencer with regulated catalytic converter
STEERING HEAD ANGLE	64°	64°
TRAIL	120 mm	123 mm
WHEEL BASE	1.560 ± 15 mm	1.580 ± 15 mm
GROUND CLEARANCE	220 mm	250 mm
SEAT HEIGHT	850 mm	890 mm
FUEL TANK CAPACITY	approx. 23 liters / 3.5 liters reserve	approx. 23 liters / 3.5 liters reserve
DRY WEIGHT	approx. 205 kg	approx. 207 kg

FACTS



MODEL
4-STROKE | **KTM 1290 SUPER ADVENTURE S**



MODEL
4-STROKE | **KTM 1290 SUPER ADVENTURE R**

ENGINE

ENGINE TYPE 2-cylinder, 4-stroke, V 75°

DISPLACEMENT 1,301 cc

BORE / STROKE 108/71 mm

POWER 118 kW (160 hp) @ 8,750 rpm

TORQUE 140 Nm @ 6,750 rpm

COMPRESSION RATIO 13.1:1

STARTER / BATTERY Electric starter / 12V 11.2Ah

TRANSMISSION 6 gears

FUEL SYSTEM Keihin EFI (throttle body 52 mm)

CONTROL 4 V / DOHC

LUBRICATION Pressure lubrication with 3 Eaton pumps

ENGINE OIL Motorex, SAE 10W-50

PRIMARY DRIVE 40:76

FINAL DRIVE 17:42

COOLING Liquid cooling

CLUTCH PASC™ slipper clutch, hydraulically operated

IGNITION / ENGINE MANAGEMENT Keihin EMS with RBW and cruise control, double ignition

TRACTION CONTROL MTC (lean-angle sensitive, 4-mode, disengageable)

2-cylinder, 4-stroke, V 75°

1,301 cc

108/71 mm

118 kW (160 hp) @ 8,750 rpm

140 Nm @ 6,750 rpm

13.1:1

Electric starter / 12V 11.2Ah

6 gears

Keihin EFI (throttle body 52 mm)

4 V / DOHC

Pressure lubrication with 3 Eaton pumps

Motorex, SAE 10W-50

40:76

17:42

Liquid cooling

PASC™ slipper clutch, hydraulically operated

Keihin EMS with RBW and cruise control, double ignition

MTC (lean-angle sensitive, 4-mode, disengageable)

CHASSIS

FRAME Chromium-molybdenum-steel trellis frame, powder coated

SUBFRAME Aluminum, powder coated

HANDLEBAR Aluminum, tapered, Ø 28 / 22 mm

FRONT SUSPENSION WP Semi-active Suspension USD Ø 48 mm

REAR SUSPENSION WP Semi-active Suspension shock absorber

SUSPENSION TRAVEL FRONT / REAR 200 / 200 mm

FRONT BRAKE 2 × Brembo four piston, radially mounted caliper, brake disc Ø 320 mm

REAR BRAKE Brembo two piston, fixed caliper, brake disc Ø 267 mm

ABS Bosch 9ME Combined-ABS (incl. Cornering-ABS and offroad mode, disengageable)

WHEELS FRONT / REAR Cast aluminum wheels 3.50 × 19"; 5.00 × 17"

TIRES FRONT / REAR 120/70 ZR 19; 170/60 ZR 17

CHAIN X-Ring 5/8 × 5/16"

SILENCER Stainless steel silencer with regulated catalytic converter

STEERING HEAD ANGLE 64°

TRAIL 120 mm

WHEEL BASE 1.560 ± 15 mm

GROUND CLEARANCE 220 mm

SEAT HEIGHT 860/875 mm

FUEL TANK CAPACITY approx. 23 liters / 3.5 liters reserve

DRY WEIGHT approx. 215 kg

Chromium-molybdenum-steel trellis frame, powder coated

Aluminum, powder coated

Aluminum, tapered, Ø 28 / 22 mm

WP-USD Ø 48 mm

WP PDS shock absorber

220 / 220 mm

2 × Brembo four piston, radially mounted caliper, brake disc Ø 320 mm

Brembo two piston, fixed caliper, brake disc Ø 267 mm

Bosch 9ME Combined-ABS (incl. Cornering-ABS and offroad mode, disengageable)

Spoked wheels with aluminum tubeless rims 2.50 × 21"; 4.50 × 18"

90/90 21; 150/70 ZR 18 (TKC Version: 90/90 21; 150/70 18)

X-Ring 5/8 × 5/16"

Stainless steel silencer with regulated catalytic converter

64°

123 mm

1.580 ± 15 mm

250 mm

890 mm

approx. 23 liters / 3.5 liters reserve

approx. 217 kg