

TECHNICAL DATA

A2 VERSION AVAILABLE!



KTM 790 ADVENTURE



KTM 790 ADVENTURE R



KTM 790 ADVENTURE R RALLY

ENGINE			
ENGINE TYPE	DOHC Parallel twin cylinder	DOHC Parallel twin cylinder	2 cylinder, 4 stroke, DOHC Parallel twin
DISPLACEMENT	799 cc	799 cc	799 cc
BORE / STROKE	88 / 65.7 mm	88 / 65.7 mm	88 / 65.7 mm
POWER	70 kW (95 hp) @ 8,000 rpm	70 kW (95 hp) @ 8,000 rpm	70 kW (95 hp) @ 8,500 rpm
TORQUE	89 Nm @ 6,600 rpm	89 Nm @ 6,600 rpm	88 Nm @ 6,500 rpm
COMPRESSION RATIO	12.7:1	12.7:1	12.7:1
STARTER / BATTERY	Electric / 12V 10Ah	Electric / 12V 10Ah	Electric / 12V 10Ah
TRANSMISSION	6 gears	6 gears	6 gears
FUEL SYSTEM	DKK Dell'Orto (Throttle body 46 mm)	DKK Dell'Orto (Throttle body 46 mm)	DKK Dell'Orto (Throttle body 46 mm)
VALVE TRAIN	8 V / DOHC	8 V / DOHC	8 V / DOHC
LUBRICATION	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
ENGINE OIL	Motorex, Power Synth SAE 10W-50	Motorex, Power Synth SAE 10W-50	Motorex, Power Synth SAE 10W-50
PRIMARY DRIVE	39:75	39:75	39:75
FINAL DRIVE	16:45	16:45	16:45
COOLING	Liquid cooled with water / oil heat exchanger	Liquid cooled with water / oil heat exchanger	Liquid cooled with water / oil heat exchanger
CLUTCH	Cable operated PASC Slipper clutch	Cable operated PASC Slipper clutch	Cable operated PASC Slipper clutch
ENGINE MANAGEMENT / IGNITION	Bosch EMS with RBW	Bosch EMS with RBW	Bosch EMS with RBW
TRACTION CONTROL	MTC (3-Mode, disengageable, RALLY mode opt.)	MTC (4-Mode incl. RALLY, disengageable)	MTC (3-Mode incl. RALLY, disengageable)

CHASSIS			
FRAME	Chromium-Molybdenum-Steel frame using the engine as stressed element, powder coated	Chromium-Molybdenum-Steel frame using the engine as stressed element, powder coated	Chromium-Molybdenum-Steel frame using the engine as stressed element, powder coated
SUBFRAME	Chromium-Molybdenum-Steel trellis, powder coated	Chromium-Molybdenum-Steel trellis, powder coated	Chromium-Molybdenum-Steel trellis, powder coated
HANDLEBAR	Aluminum, tapered, Ø 28 / 22 mm	Aluminum, tapered, Ø 28 / 22 mm	Aluminum, tapered, Ø 28 / 22 mm
FRONT SUSPENSION	WP-USD Ø 43 mm	WP-USD Ø 48 mm	WP XPLOR PRO Ø 48 mm
REAR SUSPENSION	WP shock absorber	WP shock absorber with PDS	WP XPLOR PRO Monoshock with PDS
SUSPENSION TRAVEL FRONT / REAR	200 / 200 mm	240 / 240 mm	270 / 270 mm
FRONT BRAKE	2 x radially mounted 4 piston caliper, brake disc Ø 320 mm	2 x radially mounted 4 piston caliper, brake disc Ø 320 mm	2x radially mounted 4 piston caliper, brake disc Ø 320 mm
REAR BRAKE	2 piston floating caliper, brake disc Ø 260 mm	2 piston floating caliper, brake disc Ø 260 mm	2 piston floating caliper, brake disc Ø 260 mm
ABS	Bosch 9.1 MP (incl. Cornering ABS and OFFROAD mode, disengageable)	Bosch 9.1 MP (incl. Cornering ABS and OFFROAD mode, disengageable)	Bosch 9.1 MP (incl. Cornering ABS and OFFROAD mode, disengageable)
WHEELS FRONT / REAR	Spoked wheels with aluminum rims, 2.50 x 21"; 4.50 x 18"	Spoked wheels with aluminum rims, 2.50 x 21"; 4.50 x 18"	Spoked wheels with aluminum rims, 2.15 x 21"; 4.00 x 18"
TIRES FRONT / REAR	90/90-21"; 150/70-18"	90/90-21"; 150/70-18"	90/90-21"; 150/70-18"
CHAIN	X-Ring 5/8 x 1/4"	X-Ring 5/8 x 1/4"	X-Ring 5/8 x 1/4"
SILENCER	Stainless steel primary and secondary silencer	Stainless steel primary and secondary silencer	Stainless steel primary and Akrapovic titanium secondary silencer
STEERING HEAD ANGLE	64.1°	63.7°	63.8°
TRAIL	107.8 mm	110.4 mm	109.9 mm
WHEEL BASE	1,509 mm	1,528 mm	1,535 mm
GROUND CLEARANCE	233 mm	263 mm	288 mm
SEAT HEIGHT	850 / 830 mm	880 mm	923 mm
FUEL TANK CAPACITY	approx. 20 liters	approx. 20 liters	approx. 20 liters
DRY WEIGHT	189 kg	189 kg	189 kg

