

4STROKE

990 SM

990 SM R

990 SM T



ENGINE

ENGINE TYPE	2-cylinder, 4-stroke, V 75°	2-cylinder, 4-stroke, V 75°	2-cylinder, 4-stroke, V 75°
DISPLACEMENT	999 cc	999 cc	999 cc
BORE/STROKE	101/62.4 mm	101/62.4 mm	101/62.4 mm
POWER	85 kW @ 9000 rpm	85 kW @ 9000 rpm	85 kW @ 9000 rpm
TORQUE	97 Nm @ 7000 rpm	97 Nm @ 7000 rpm	97 Nm @ 7000 rpm
COMPRESSION RATIO	11.5:1	11.5:1	11.5:1
STARTER/BATTERY	Electric starter/12V 11.2Ah	Electric starter/12V 11.2Ah	Electric starter/12V 11.2Ah
TRANSMISSION	6 gears	6 gears	6 gears
FUEL SYSTEM	Keihin EFI, throttle valve Ø 48 mm	Keihin EFI, throttle valve Ø 48 mm	Keihin EFI, throttle valve Ø 48 mm
CONTROL	4 V/DOHC	4 V/DOHC	4 V/DOHC
LUBRICATION	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps	Pressure lubrication with 2 oil pumps
ENGINE OIL	Motorex, SAE 10W-50	Motorex, SAE 10W-50	Motorex, SAE 10W-50
PRIMARY DRIVE	35:67	35:67	35:67
FINAL DRIVE	17:41	17:41	17:41
COOLING	Liquid cooling	Liquid cooling	Liquid cooling
CLUTCH	Multi-disc wet clutch, hydraulically operated	Multi-disc wet clutch, hydraulically operated	Multi-disc wet clutch, hydraulically operated
ENGINE MANAGEMENT/IGNITION	Keihin EMS	Keihin EMS	Keihin EMS

CHASSIS

FRAME	Chromium-Molybdenum trellis frame, powder-coated	Chromium-Molybdenum trellis frame, powder-coated	Chromium-Molybdenum trellis frame, powder-coated
SUBFRAME	Aluminium	Aluminium	Aluminium
HANDLEBAR	Aluminium, tapered, Ø 28/22 mm	Aluminium, tapered, Ø 28/22 mm	Aluminium, tapered, Ø 28/22 mm
FRONT SUSPENSION	WP-USD Ø 48 mm	WP-USD Ø 48 mm	WP-USD Ø 48 mm
REAR SUSPENSION	WP-Monoshock	WP-Monoshock	WP-Monoshock
SUSPENSION TRAVEL FRONT/REAR	200/210 mm	160/180 mm	160/180 mm
FRONT BRAKE	2 x Brembo 4-piston fixed-caliper, radially bolted, brake disc Ø 305 mm, floating	2 x Brembo Monobloc 4-piston fixed-caliper, radially bolted, brake disc Ø 305 mm, floating	2 x Brembo 4-piston fixed-caliper, radially bolted, brake disc Ø 305 mm, floating
REAR BRAKE	Brembo 2-piston floating caliper, brake disc Ø 240 mm	Brembo 2-piston floating caliper, brake disc Ø 240 mm	Brembo 2-piston floating caliper, brake disc Ø 240 mm
RIMS FRONT/REAR	Cast aluminium wheels 3.50 x 17"; 5.50 x 17"	Forged aluminium wheels 3.50 x 17"; 5.50 x 17"	Cast aluminium wheels 3.50 x 17"; 5.50 x 17"
TYRES FRONT/REAR	120/70 ZR 17; 180/55 ZR 17	120/70 ZR 17; 180/55 ZR 17	120/70 ZR 17; 180/55 ZR 17
CHAIN	X-Ring 5/8 x 5/16"	X-Ring 5/8 x 5/16"	X-Ring 5/8 x 5/16"
SILENCER	Twin stainless-steel silencer with regulated catalytic converters	Twin stainless-steel silencer with regulated catalytic converters	Twin stainless-steel silencer with regulated catalytic converters
STEERING HEAD ANGLE	65.1°	65.6°	65.6°
TRAIL	110 mm	109 mm	109 mm
WHEEL BASE	1,510 ± 15 mm	1,505 ± 15 mm	1,505 ± 15 mm
GROUND CLEARANCE	195 mm	195 mm	195 mm
SEAT HEIGHT	875 mm	875 mm	855 mm
TANK CAPACITY	approx. 19 litres/3.7 litres reserve	approx. 15 litres/3.7 litres reserve	approx. 19 litres/3.7 litres reserve
WEIGHT (READY TO RACE)	approx. 191 kg (without fuel)	approx. 189 kg (without fuel)	approx. 196 kg (without fuel)