

Crossfire 500

BRITTON
MOTORCYCLES



Engine

Type	Two cylinder four stroke engine, DOHC, 4 valves per cylinder, liquid-cooled
Bore x Stroke	68 mm x 67 mm
Displacement	486 cc
Compression ratio	10.7 : 1
Fuel	Unleaded fuel only, RON/ROZ min. 95
Fuel-mixture generation	Electronic fuel injection
Maximum net power	35 kW @ 8500 min ⁻¹
Maximum net torque	43 Nm @ 6750 min ⁻¹
Environmental step	Euro 5
Lubrication	Forced-feed lubrication
Ignition	ECU
Starter	Electric starter
Stationary sound level	89 dB(A) @ 4250 min ⁻¹
Drive-by sound level	73 dB(A)
Limit value for L urban	77 dB(A)

Transmission

Gearbox	6-speed manual
Final drive	Chain

Dimensions

Length	2117 mm
Width	757 mm
Height	1116 mm
Wheelbase	1416 mm
Seat height	795 mm
Fuel tank maximum capacity	13.5 L
Number of seating positions	2

Mass

Mass in running order	190 kg
Permissible maximum weight	350 kg
Permissible front axle weight	125 kg
Permissible rear axle weight	225 kg

Chassis

Front rim	MT 3.5x17
Rear rim	MT 4.25x17
Front tire	120/70 ZR 17 tubeless
Rear tire	160/60 ZR 17 or 160/60 R 17 tubeless
Front suspension	Teleskopik fork upside-down
Rear suspension	Swingarm with single shock absorber
Wheel travel front suspension	108 mm
Wheel travel rear suspension	100 mm
Front brake	Hydraulic disc brake with ABS, one brake disc Ø 320 mm
Rear brake	Hydraulic disc brake with ABS, one brake disc Ø 240 mm

Driving performance

Top speed	160 km/h
Fuel consumption	4.0 L/100 km
CO ₂ emissions	92 g/km
Power/weight ratio	0.184 kW/kg
Gradability	25°

Standard equipment included

Optional additional equipment

Registration

Vehicle category	L3e-A2
Homologation number	e13*168/2013*00908*00
Variant	0
Version	0

The manufacturer reserves the right to change the technical data without prior notice.



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