

**Monster 797****Monster 797 Plus**

<b>ENGINE</b>		
TYPE	L-Twin, 2 Desmodromically actuated valves per cylinder, Air cooled	L-Twin, 2 Desmodromically actuated valves per cylinder, Air cooled
DISPLACEMENT	803 cc (49 cu in)	803 cc (49 cu in)
BORE X STROKE	88 x 66 [mm] (3.46 x 2.60 [in])	88 x 66 [mm] (3.46 x 2.60 [in])
COMPRESSION RATIO	11.0:1	11.0:1
POWER	75 hp (55 kW) @ 8250 rpm	75 hp (55 kW) @ 8250 rpm
TORQUE	50.8 lb-ft (68.9 Nm) @ 5750 rpm	50.8 lb-ft (68.9 Nm) @ 5750 rpm
FUEL INJECTION	Electronic fuel injection system, Ø 50 throttle bodies	Electronic fuel injection system, Ø 50 throttle bodies
EXHAUST	2-1 system with catalytic converter and two lambda probes, Single stainless steel muffler with aluminium cover	2-1 system with catalytic converter and two lambda probes, Single stainless steel muffler with aluminium cover
<b>TRANSMISSION</b>		
GEARBOX	6 speed	6 speed
PRIMARY DRIVE	Straight cut gears, Ratio 1.85:1	Straight cut gears, Ratio 1.85:1
RATIO	1=32/13 2=30/18 3=28/21 4=26/23 5=22/22 6=24/26	1=32/13 2=30/18 3=28/21 4=26/23 5=22/22 6=24/26
FINAL DRIVE	Chain drive, Front sprocket Z15, Rear sprocket Z46	Chain drive, Front sprocket Z15, Rear sprocket Z46
CLUTCH	APTC wet multiplate clutch with mechanical control	APTC wet multiplate clutch with mechanical control
<b>CHASSIS</b>		
FRAME	Tubular steel trellis frame	Tubular steel trellis frame
FRONT SUSPENSION	Ø 43 Kayaba usd fork	Ø 43 Kayaba usd fork
FRONT WHEEL	10-spoke light alloy, 3.50" x 17"	10-spoke light alloy, 3.50" x 17"
FRONT TYRE	Pirelli Diablo Rosso II, 120/70 ZR17	Pirelli Diablo Rosso II, 120/70 ZR17
REAR SUSPENSION	Sachs monoshock, Pre-load and rebound adjustable	Sachs monoshock, Pre-load and rebound adjustable
REAR WHEEL	10-spoke light alloy, 5.50" x 17"	10-spoke light alloy, 5.50" x 17"
REAR TYRE	Pirelli Diablo Rosso II, 180/55 ZR17	Pirelli Diablo Rosso II, 180/55 ZR17
WHEEL TRAVEL (FRONT/REAR)	130 mm/150 mm (5.12 in/5.91 in)	130 mm/150 mm (5.12 in/5.91 in)
FRONT BRAKE	2 x Ø 320 semi-floating discs, radially mounted monobloc Brembo M4.32 callipers, 4-piston, axial pump with Bosch ABS as standard equipment	2 x Ø 320 semi-floating discs, radially mounted monobloc Brembo M4.32 callipers, 4-piston, axial pump with Bosch ABS as standard equipment
REAR BRAKE	Ø 245 disc, 1-piston calliper with Bosch ABS as standard equipment	Ø 245 disc, 1-piston calliper with Bosch ABS as standard equipment
INSTRUMENTATION	LCD display	LCD display
<b>DIMENSIONS AND WEIGHT</b>		
DRY WEIGHT	175 kg (386 lb)	175 kg (386 lb)
WET WEIGHT (KERB)	193 kg (425 lb)	193 kg (425 lb)
WET WEIGHT (NO FUEL)	182 kg (401 lb)	182 kg (401 lb)
SEAT HEIGHT	805 mm (31.69 in)	805 mm (31.69 in)
WHEELBASE	1435 mm (56.50 in)	1435 mm (56.50 in)
RAKE	24°	24°
TRAIL	90 mm (3.54 in)	90 mm (3.54 in)
FUEL TANK CAPACITY	16.5 l (4.36 US gal)	16.5 l (4.36 US gal)
NUMBER OF SEATS	2	2
<b>STANDARD EQUIPMENT</b>		
	Bosch ABS, LED position light and tail light, USB power socket, DMS ready	Bosch ABS, LED position light and tail light, USB power socket, Passenger seat cover, Flyscreen, DMS ready
<b>WARRANTY</b>		
Warranty	24 months	24 months
Maintenance service interval	12000 km (7500 mi) / 12 months	12000 km (7500 mi) / 12 months
Valve clearance check	12000 km (7500 mi)	12000 km (7500 mi)
<b>EMISSIONS E CONSUMPTION</b>		
Standard	Euro 4	Euro 4
CO <sub>2</sub> emissions	119 g/km	119 g/km
Consumption	5.3 l/100 km	5.3 l/100 km