



## MOTO GUZZI AUDACE – TECHNICAL SPECIFICATIONS

### ENGINE

Type	: 90° V-twin engine, 4-stroke, 4 valves, double ignition
Cooling	: air and oil with an independent cooling pump Oil radiator with thermostat controlled fan.
Displacement	: 1380 cc
Bore and stroke	: 104 x 81.2 mm
Compression ratio	: 10.5 : 1
Timing system diagram (1 mm checking clearance)	: intake valve opens 19° BTDC intake valve closes 55° ABDC exhaust valve opens 49° BBDC exhaust valve closes 12° ATDC
Maximum power	: 71 kW (96 HP) at 6500 rpm
Maximum torque	: 121 Nm 3,000 min-1
Fuel supply / Ignition	: phased electronic Multipoint sequential injection, Magneti Marelli IAW7SM; “ride by wire” Ø 52 mm throttle body, IWP 243 Magneti Marelli injectors, double oxygen sensor, integrated management of 3 engine mappings, traction control, cruise control
Starting	: Electrical
Spark plugs	: NGK LMAR8F, 2 per cylinder
Exhaust system	: stainless steel, 2-in-2 type, 3-way catalytic converter with double oxygen sensor
Emissions compliance	: Euro 4

### TRANSMISSION

Gearbox	: 6 speed (sixth is overdrive)
Gear ratio values	: 1st 17/38 = 1 : 2.235 : 2nd 20/34 = 1: 1.700 : 3rd 23/31 = 1: 1.348 : 4th 26/29 = 1: 1.115 : 5th 31/30 = 1: 0.968 : 6th 30/24 = 1: 0.8
Primary drive	: with helical teeth (ratio 26/35 = 1: 1,346)
Final drive	: double cardan joint and fixed bevel gear seat, drive ratio 10/36 = 1: 3.6)
Clutch	: single-disc with integrated anti-vibration buffer

## CHASSIS

Frame	:	steel tubing, closed double cradle with elastic-kinematic engine mounting system to isolate vibrations.
Wheelbase	:	1685mm
Trail	:	155 mm
Headstock angle	:	32°
Steering angle	:	38°
Front suspension	:	standard fork , Ø 45 mm, with radial calliper mounting bracket
Front wheel travel	:	120 mm
Rear suspension	:	Swingarm with double shock absorber with adjustable extension and spring preload with remote tank.
Rear wheel travel	:	120 mm
Front brake	:	dual 320 mm stainless steel floating discs, Brembo radial callipers with 4 horizontally opposed pistons
Rear brake	:	282 mm stainless steel fixed disc, Brembo floating calliper with 2 parallel pistons
Wheels	:	Aluminium alloy
Front wheel rim	:	3.50" x 18"
Rear wheel rim	:	6.00" x 16"
Front tyre	:	130/70 R18
Rear tyre	:	200/60 R16"

## ELECTRICAL SYSTEM

System voltage	:	12 V
Battery	:	12V - 18 Ah
Alternator	:	12 V – 550 W

## DIMENSIONS

Length	:	2445 mm
Width	:	940mm
Height	:	1180 mm
Saddle height	:	740 mm (720 mm opt.)
Minimum ground clearance	:	165 mm
Kerb weight*	:	299 Kg
Fuel tank capacity	:	20.5 litres
Reserve	:	5 litres

\* Weight of bike ready to ride, will all fluids and no fuel