



# MGX-21

## Technical Specifications

### ENGINE

#### Type

90° Transverse V-twin, 4-stroke, 4-valve, dual spark ignition per cylinder

#### Cooling

Air and oil cooled. Oil cooler with a fan and dedicated oil pump

#### Displacement

84.21 cu in (1,380 cc)

#### Bore and Stroke

4.09 x 3.20 in (104 x 81.2 mm)

#### Compression Ratio

10.5 +/- 0.5 : 1

#### Maximum Power

96,6 HP (71 kW) @ 6,500 rpm

#### Torque

89 ft-lbs (121 Nm) of torque @ 3,000 rpm

#### Start

Electric single push button to start

#### Exhaust System

Black stainless steel, 2 in 2 with crossover and 3-way catalytic converter, double lambda probe

### **Homologation**

DOT, EPA and CARB compliant

### **Transmission**

Gears

6-speed transmission with overdriven 6th gear

### **Gear ratio values**

1<sup>^</sup> 17/38 = 1 : 2,235

2<sup>^</sup> 20/34 = 1 : 1,700

3<sup>^</sup> 23/31 = 1 : 1,347

4<sup>^</sup> 26/29 = 1 : 1,115

5<sup>^</sup> 31/30 = 1 : 0,967

6<sup>^</sup> 30/24 = 1 : 0,800

### **Primary Drive**

With helical teeth (ratio 26/35 = 1: 1,346)

### **Final Drive**

Cardan shaft and bevel gear (ratio 10/36 = 1: 3,600)

### **Clutch**

Single plate with integrated flexible coupling

## **CHASSIS**

ALS steel twin tube cradle frame

### **Wheelbase**

66.93 in (1700 mm)

**Trail**

187 mm

**Headstock angle**

32°

**Front wheel travel**

4.24 in (107.7 mm)

**Rear wheel travel**

4.72 in (120 mm)

**Front suspension**

Hydraulic telescopic fork, Ø 1.76 in (44.8 mm) with mounting for radial callipers brakes

**Rear suspension**

Swingarm with double shock absorber with adjustable spring preload

**Front brake**

Double stainless steel floating disc Ø 12.60 in ( 320 mm ) clamps radial 4- piston opposed

**Rear brake**

Stainless steel floating disc Ø 11.10 ( 282 mm ), two-piston callipers

**Wheels**

Aluminum alloy for tubeless tyres

**Front wheel rim**

3.50" x 21"

**Rear wheel rim**

5.50" x 16"

**Front tyre**

120/70 R21 62V

**Rear tyre**

180/60 R16 80H

**DIMENSIONS****Length**

2560 mm

**Width**

920 mm

**Height**

1275 mm

**Seat height**

740 mm

**Curb weight**

341 Kg (with all fluids, battery included, without fuel)

**Fuel tank capacity**

5.41 +/- 0.13 gal US (4.51 +/- 0.11 UK gal) (20.5 +/- 0.5 l) 20,5 litres included 5 lt. reserve