

# Bajaj goods carriers - many ways to run a profitable business



The fastest way to go places... profitably. Bajaj Autorikshas offer the most convenient, comfortable, economical conveyance to the public and form 90% of the autoriksha population in India today.

## FEATURES

**Chassis:** Constructed from pressed steel sheet sections welded together to form a rigid structure. Detachable curved wind-screen secured to chassis frame by nuts and bolts. Toolbox compartment is under the dashboard.

**Clutch:** Multiplate wet type operated by a lever on the handlebar.

**Gearbox:** Constant mesh gearbox with four forward and a reverse gear. Forward gears operated by twist grip on the handlebar and reverse gear by a lever located near the driver's seat.

**Brakes:** Foot operated hydraulic brake for the rear wheels and hand operated mechanical brake for the front wheel. Parking brakes on the rear wheels operated by a lever located below the dashboard.

**Handlebar:** The pressure die-cast aluminium handlebar houses the clutch lever, front brake lever, gear shifter twist grip, accelerator twist grip, electrical switch, speedometer and control cables.

**Front suspension:** Centrally supported oscillating front wheel hub has a variable rate coil spring at one end and a double action shock absorber at the other, to provide soft and comfortable rides.

**Rear suspension:** The cast aluminium triangles along with the torsion bars and friction type shock absorbers provide independent suspension for the rear wheels.

**Gear ratios:** 1st 28.38:1 2nd 17.37:1  
3rd 10.95:1 Top 6.85:1

**Differential:** The gearbox is integral with the engine. The differential is a separate unit.

**Differential gear ratios:** Forward 2.12:1 Reverse 2.60:1

**Final drive:** Final drive by chain enclosed in cast aluminium housing which acts as oil bath.

**Electrical equipment:** A 6V flywheel magneto feeds alternating current to ignition, headlight, tail lamps, horn, stop lights and side lights.

### Specifications:

Wheel track	- 1075 mm
Wheel base	- 1650 mm
Turning circle radius	- 2340 mm
Ground clearance	- 200 mm
Maximum speed	- 55 kms/hr (approx)
Fuel tank capacity	- 9 litres
Fuel consumption	- 24 ± 4 km/ltr under standard testing conditions
Unladen weight (ULW)	- 270 kgs with 4.00-8, 4 p.r. tyres

Recommended maximum laden weight (GVWR) (including driver)	- 580 kgs with 4.00-8, 4 p.r. tyres
Payload	- 240 kgs
Recommended maximum front axle weight (GAWR)	- 210 kgs with 4.00-8, 4 p.r. tyres at 2.1 kg/cm <sup>2</sup> (30 p.s.i.)
Recommended maximum rear axle weight (GAWR)	- 420 kgs with 4.00-8, 4 p.r. tyres at 2.1 kg/cm <sup>2</sup> (30 p.s.i.) (both wheels put together)

### Engine:

Type	- Two-stroke, single cylinder, air-cooled
Capacity	- 145.45 cc
Bore	- 57 mm
Stroke	- 57 mm
Maximum power at gearbox output	- 5.7 PS (4.2 kW) at 5000 engine r.p.m.
Compression ratio	- 7.2:1
Carburettor	- Spaco/Dell'Orto type MA 19 BS 7 or Ceekay type 19 MX
Fuel	- Petrol oil mixture (5% oil)
Ignition	- External HT coil fed by flywheel magneto


**Standard accessories:** 1) Steering lock 2) Ignition switch 3) Toolbox lock 4) Electric wind-screen wipers 5) Electric traffic indicators.

Seats are upholstered with vinyl coated fabric and foam rubber.

A rexine hood is provided for the top.

# bajaj autorikshas

make sense

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