
TECHNICAL SPECIFICATIONS

ENGINE

Engine type	Single cylinder, 4 stroke, DOHC, SI Engine, Water cooled, Fuel Injection
Bore	84 mm
Stroke	81.5 mm
Swept volume	452 cc
Compression ratio	11.5:1
Max power	29.44 kW (40.02 PS) @ 8000 rpm
Max torque	40 Nm @ 5500 rpm
Idle RPM	1300 rpm
Starting.....	Electric start

Air filter element.....	Paper element
Lubrication	Semi-dry sump
Cooling	Water cooled

IGNITION SYSTEM

Ignition	ECU controlled
Spark plug.....	Champion
Spark plug gap	0.8 mm to 0.9 mm

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TRANSMISSION

Clutch	Wet multi plate, slip and assist
Primary drive	Gear
Primary ratio.....	2.028:1
Gear box	6 Speed
Gear ratio.....	1 st 3.083 :1
	2 nd 2.059:1
	3 rd 1.600:1
	4 th 1.286:1
	5 th 1.087:1
	6 th 0.958:1
Secondary drive.....	Sprockets and chain (5/8 Pitch)

Secondary ratio 3.133:1

CHASSIS

Frame..... Steel, twin spar tubular frame

Suspension

Front..... Upside down fork, 43 mm,
front wheel travel 200 mm

Rear Linkage type mono-shock,
rear wheel travel 200 mm

Brakes

Front disc..... Hydraulic disc brake, 320 mm
ventilated disc, double piston
caliper

Rear disc Hydraulic disc brake, 270 mm
ventilated disc, single piston
caliper

Brake system..... Dual channel ABS, Switchable

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Type of wheel	Tyre size
Front (Spokes wheel)	90/90-21 M/C 54H CEAT (Gripp RE F) (With tube)
Rear (Spokes wheel)	140/80R17 M/C 69H CEAT (Gripp Rad steel RE) (With tube)

Type of wheel	Solo & With pillion
Front & Rear	32 psi

Steering lock.....	Inbuilt
Fuel type.....	Unleaded gasoline
Ethanol content.....	Up to E20
Induction	Electronic fuel injection, 42 mm throttle body, ride by wire system
Fuel tank capacity.....	17.0* L
Low fuel warning.....	3 L ± 0.5* L
Dead stock.....	0.95 L to 1.15* L

* The above values are approximate and the actual fuel filling capacity will vary from the values mentioned.

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ELECTRICALS

Alternator output	280 W @ 1200 rpm
Generation.....	Alternator, III Phase
System.....	12 V - DC
Battery.....	12 V - 8 Ah VRLA
Head lamp	12 V, FPL 1.5 W LED, low beam 12.12 W, high beam + low beam 14.22 W
Brake lamp	12 V, 1.4 W
Tail lamp	12 V, 0.31 W
License plate illuminator	12 V - LED
Instrument cluster	Colour TFT (Thin Film Transistor)

Turn signal	Front - 12 V, 2 W x 1 no Rear - 12 V, 4.2 W x 1 no
Hazard warning	Front - 12 V, 2 W x 2 nos Rear - 12 V, 4.2 W x 2 nos
Horn.....	12 V, 2.5 A
Starter motor	12 V - 0.7 kW
Charger port.	USB 2.0 Type C - 5 V, 2 A output



WARNING

Using bulbs/electrical gadgets other than specified rating will lead to overloading/erratic behavior/premature failure of electrical system.

Modifications or fitments which are not approved by Royal Enfield, will seriously affect the performance of the vehicle and will render the warranty void.

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DIMENSIONS

Length	2245 mm
Width.....	852 mm
Standard seat height	Adjustable 825 mm to 845 mm
Low seat height	Adjustable 805mm to 825 mm
Height.....	1316 mm
Wheelbase.....	1510 mm
Ground clearance	224 mm

WEIGHTS

Kerb weight (90% fuel and oil)	196 kg
Gross vehicle weight	394 kg

NOTE

- Values / Dimensions given above are for your guidance only.
- In view of continuous improvements being done on our products, the specifications are likely to change without prior notice.
- Do not use the vehicle beyond the allowed gross weight. The suspensions and tyres are designed to perform only to the maximum gross vehicle weight.

RECOMMENDED LUBRICANTS

ENGINE OIL		COOLANT	FRONT FORK OIL	BRAKE FLUID
Grade	10W40 API SN, JASO MA2, Semi Synthetic	TOTAL COOLELF AUTO SUPRA -37 °C	SS-47G	DOT 4*
Capacity	1st dry fill: 2.4 L	Radiator: Dry fill - 915 ml Service fill - 815 ml	RH fork: 589 ± 2.5 ml	Front - 90 ± 5 ml
	Refill: 2.1L for oil service (Including filter change)	Expansion Tank: Fill to max mark - 240 ml	LH fork: 507 ± 2.5 ml	Rear - 80 ± 5 ml

* Do not mix DOT 4 or other brake fluid together.

NOTE

1. Coolant from is ready to use and does not require mixing.
2. Recommendation subject to change without notice.
3. The above values are approximate and the actual capacity will vary.

CAUTION

Use of wrong oil grade will reduce the life of the moving parts and seriously affect performance.