

TECHNICAL SPECIFICATION - MAGIC DIESEL

Engine

Type	4 stroke, Naturally aspirated, Indirect injection, Water cooled diesel engine
Engine capacity (cc)	702
Emission norms	BSIII & BSIV
Power (HP @ rpm)	16 @ 3200
Torque (Nm @ rpm)	38 @ 2000
No. of cylinders	Two

Driveline

Clutch	Single plate, Dry friction diaphragm type (170 mm diameter)
Gearbox	GBS 65-4/6.31
Type	Synchromesh (4 forward gears), Sliding mesh (reverse gear)
Front Axle	Rigid beam construction
Rear Axle	Single reduction, Salisbury type with hypoid gears and semi-floating axle shafts

Brakes

Type	Vacuum assisted dual circuit hydraulically activated
Front	Disc

Rear	Drum
Suspension	
Front	Parabolic Leaf spring suspension with hydraulic double acting shock absorber
Rear	Parabolic Leaf spring suspension with hydraulic double acting shock absorber
Steering	
Type	Mechanical, variable ratio (20.5 to 24.5), 380 mm diameter steering wheel
Tyres	
Size	145 R12 LT 8 PR Radial
Performance	
Gradeability	22%
Grade restartability	21%
Max speed	64 Kmph
Fuel Tank	
Fuel Tank capacity	30 Litres
Dimensions	
Length (mm)	3790

Width (mm)	1500
Height (mm)	1845 (unladen)
Wheelbase (mm)	2100
Internal Length (mm)	2212
Internal Width (mm)	1220
Internal Height (mm)	1326
Min Ground clearance (mm)	160
Front Track (mm)	1300
Rear Track (mm)	1320
Turning circle radius (m)	4.3
Weights	
Kerb Weight (Kg)	1000
Gross Vehicle Weight (GVW) (kg)	1600
Seats	
Seating capacity	4+1/6+1/7+1
Seat type	Bucket seats- driver and co passenger Bench seats - passenger