

Technical Specifications Series 3

2.25 Petrol

Type 4 Cylinder petrol
Bore 90.47 mm
Stroke 88.9mm
Capacity 2286 cc
Compression Ratio 7:1 8:1
Maximum power 48.0KW (65bhp) 52.00(70bhp)
Maximum Torque 154.Nm 159Nm at 2000 revs
Firing order 1,3,4,2
Fuel System
Single Zenith 361V
Petrol pump Mechanical with priming lever & sediment bowl

2.25 Diesel

Type 4 Cylinder diesel
Bore 90.47 mm
Stroke 88.9mm
Capacity 2286cc
Compression Ratio 23:1
45Kw (60.0bhp) at 4000 rpm
Maximum torque 140Nm at 1800rpm

Fuel system

Injectors CAV Pintaux
Fuel pump Mechanical with priming lever
Injector pump Self governing DPA distributor type

Lubrication

Nominal pressure Engine warm at 200rpm
2.46-4.57 kgf/cm² (35-65 lbf/in²)
Oil filters internal pump intake filter
External Full flow oil filter

Cooling System

Type pressurised with pump fan, thermostat & Expansion tank
Working pressure 0.63kgf/cm²(9lbf/in²)
Thermostat 82C

3.5 Petrol

OHV all aluminium V8
Bore 88.9mm
Stroke 71.1mm
Capacity 3528cc
8.13:1
Maximum power 68 Kw (91bhp) at 3500 rpm
Maximum torque 225.0 Nm (166lbf/ft) at 2000 rpm
Firing order 1,8,4,3,6,5,7,2

Lubrication

Nominal pressure engine warm at 240rpm 2.1 -2.8 kgf/cm²(30-40lbf/in²)
Oil filters Internal pump intake filter
External Full flow oil filter

Fuel System

Carberettors Twin Zenith Stromberg CD type

Petrol Pump Facet electrical

Air Filter European – AC Delco paper element

Non – European – AC Delco Cyclone type PC26 replacacable element

Cooling system

Type pressurised with pump fan, thermostat & Expansion tank

Working pressure 1.05 kgf/cm² (15 lbf/in²)

Thermostat Detox engine 88 c

Non Detox 82 c

Transmission

Diaphragm spring, single dry plate

Diameter 2.25 litre 241 mm 9.5 inch

3.5 litre 267mm (10.5inch)

Main gearbox 4 speed and reverse - synchromesh on forward gears

Transfer box 2 speed reduction on main gearbox output

2.25 Two/four wheel drive control on transfer box output

3.5 litre Front & rear permanently engaged via a third differential lock by a vacuum control switch

Gear box Ratios

Main Gear box	2.25	3.5
4th	1:1	1:1
3 rd	1.50:1	1.505:1
2 nd	2.22:1	2.448:1
1 st	3.73:1	3.336:1

Transfer Gear box

High	1.15:1	1.336:1
Low	2.35:1	3.320:1

Overall Ratios

High Ratio

4 th	5.39:1	4.73:1
3 rd	8.08:1	7.12:1
2 nd	11.98:1	11.58:1
1 st	20.12:1	19.24:1
Reverse	20.97:1	17.33:1

Low Ratio

4 th	11.03:1	11.75:1
3 rd	16.51:1	17.68:1
2 nd	24.49:1	28.76:1
1 st	41.13:1 47.81:1	
Reverse	42.87:1	43.05:1

Differential Ratios 4.7:1 3.54:1

Front Axle 2.25

Spiral Bevel, with full floating shafts and enclosed universal joints

Front Axle 3.5

Spiral bevel with enclosed constant velocity joints

Rear Axle

Hypoid spiral bevel with fully floating shafts

Propshafts

Open type 50.8mm (2in)

Steering

Type Recirculating ball, worm & nut

Lock to lock 3.5 turns

Steering damper fitted to draglink (optional on some models)

Turning circle 88inch 11.60m (38ft) 109inch 14.3m(47ft)

Wheels

Type Steel.

Fixing 5 stud

Size 88 5.00 F x 16

109 & 8 County 5.509F x 16in

Tyre size 88 in 6.00 x 16 in

109 inch 750x 16 in

88 County 205 x16 in

Brakes

Type hydraulic drum

Suspension Semi elliptic under slung springs with hydraulic double acting telescopic shock absorbers

Electrical

Petrol

Type 12 volt negative earth

Battery 58 amp/hour

Ignition Coil

Alternator

2.25 115/34-34 amp output

3.5 115/45-45amp output

Starter motor

2.25 Inertia type

3.5 Pre engaged type

Diesel

Type 12 volt negative earth

Battery 95 amp/hour

Ignition Compression Ignition

Alternator 115/34-34 amp output

Starter Pre-engaged type

Capacities (all in litres)

	2.25 petrol	3.5 petrol	2.25 diesel
Cooling	8.1	9.66	7.8
Engine oil including filter	6.85	5.96	6.85
Main Gearbox	1.5	2.6	1.5
Transfer box	2.5	3.1	2.5
Rear Diff	109inch 2.6	2.6	1.75
Front diff	1.75	1.53	1.75
Fuel tank	109 inch 68	68	45
	88 inch 45		

Factory fitted extras

Heater & Demister

De-luxe or County seats

Rear Seats

Air conditioning

Trim packages

County Trim

Centre cubby box

Extrenal Equipment

Security catches

Spare wheel carrier on bonnet or rear door

Roof racks

Towing equipment

Tropical roof (standard on Station wagon)

Lamp guards
Bumperettes
Front lifting & towing rings
Winches