

## Land Rover:

- Model: Series IIA
- Year: 1970
- Original engine: Petrol
- New gearbox: R380, type 56A
- transfer case: LT230 transfer, ratio 1.100
- Diffs: 3.54 ratio

## Gardner 4LK engine:

- First introduced 1935
- 57bhp at 2100 rpm
- bore: 3.25 inches (95.3mm)
- stroke: 5.25 inches (133.4mm)
- operating temperature: 65C
- oil pressure 35psi at 1000rpm
- torque: 162 lbs.ft (219.643 Nm) at 1100rpm.
- Approximate weight: 775lbs (352kgs)

**4LK Essential Dimensions:**<sup>1</sup>

Item	ft	ins	mm
Length - front of engine, behind pulleys, to back of bellhouse, i.e. not including alternators or flywheel	2	11 $\frac{1}{8}$	892
Length - front of front engine mount to rear of rear mount	3		914
Width across engine mounts	2	6 $\frac{1}{4}$	768
Max width of sump (rear sump)	1	7 $\frac{3}{4}$	501
Max depth of sump casing (at rear)		8 $\frac{3}{4}$	222
Length of block	1	11 $\frac{3}{4}$	603
Width of block		7 $\frac{1}{2}$	190
Width across top of rocker covers		9	228
Height from underside of engine mounts to top of rocker covers	2	6 $\frac{1}{8}$	765
Depth from underside of engine mounts to bottom of sump at rear		8 $\frac{7}{8}$	225
Approx centre line of crankshaft - to top of rocker covers	2	9 $\frac{1}{2}$	850

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<sup>1</sup>Thanks to Paul Symms