



ASHOK LEYLAND



90.16

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TECHNICAL INFORMATION

ENGINE	: WO 6DTI E 2- Turbocharged intercooled diesel
Bore x Stroke	mm : 104 x 113
Max output	: 117KV (163 PS) @ 2400 rpm
Maximum torque	: 57 kgm @ 1600 rpm
Air filter	: Fleet Guard air Filter
Fuel filter	: Fleetguard fuel cum Water Separator
Fuel tank capacity	ltrs. : 115 Ltrs
Cooling type	: Pump circulated, pressurised cooling, thermostat controlled with deaeration tank
CLUTCH	: Single Plate Diaphragm clutch hydraulically actuated
Facing dia & thickness	mm : 380 & 14- Non Asbestos Valeo
Total frictional area	Sq.cms : 1172
GEAR BOX	: 6 speed ZF 6.36 OD Synchronmesh I : 6.93 II : 4.43 III : 2.634 IV: 1.513 V : 1.00 VI : .838 Rev : 6.22
PROPELLER SHAFT	: 1550 series
No. of propeller shafts	: 2
REAR AXLE	: Fully floating single speed Hypoid Gear, pressure type casing
Axle capacity	kgs : 6000
Axle Ratio	4.1:1
FRONT AXLE	: Forged I section reverse Elliot type
Capacity	kgs : 5000
FRAME	: All steel ladder type bolted construction
No. of cross members	: 7
Frame dimension	mm : 204 x 76 x 6
(depth x width x thickness)	
SUSPENSION	: Semi Elliptic laminated multi leaf : Slipper ended
Leaf Width	: Front 75 & Rear 75
Shock absorber	: Double acting, telescopic type both at front and rear Anti Roll Bar Front Only
STEERING	: ZF Power Assisted steering
Ratio	: 20.4:1
Wheel dia	mm : 503

WHEELS & TYRES	: 2 nos. in front and 4 nos. in rear
Rim size	: B 6 x 20 - 134 mm (Offset) 8 wheel bolt
Tyre size	: 7.5 R20-14PR 8.25R20-14PR (alternate)
BRAKES	: Full air pressure on all wheels dual line circuit system 'SAW BRAKES'
Exhaust Brake	: Pneumatically Operated
Parking brake	: Pneumatically operated on rear wheels only

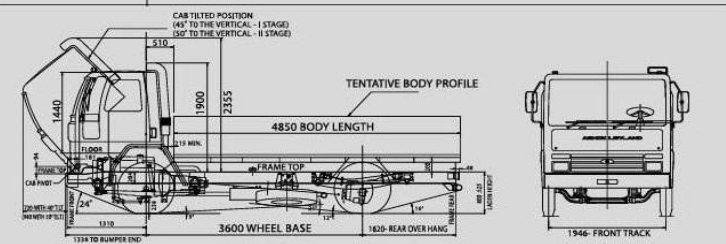
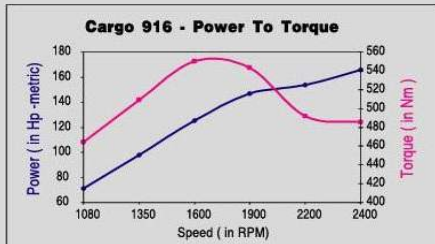
ELECTRICAL SYSTEM	
Type	: 24 V negative earth
Battery	: 100 Amp. Hr. (20 Hr. rating)
Alternator max output	: 55 Amps
Cab	: Fully trimmed day Cab

PERFORMANCE DATA	
Max speed in top gear	: 115 kmph
Max gradeability %	: 30.5

WEIGHTS - Unladen (Kgs)	: 3600	4200
Front axle	: 2605	2620
Rear axle	: 1655	1810
Total	: 4260	4430

WEIGHTS - Laden (Kgs)	: 3600	4200
Front axle	: 3626	3626
Rear axle	: 6274	6274
Total	: 9900	9900

MAJOR DIMENSIONS		
(For chassis in mm)		
Wheelbase	: 3600	4200
Front overhang	: 1310	1310
Rear overhang	: 1620	2025
Overall length	: 6530	7535
Overall Width	: 2207	2207
Front track	: 1958	1958
Rear track	: 1670	1670
Min. ground clearance	: 250	250
Turning circle dia	: 13800	15900
Angle of Approach	: 24 deg	24 deg
Angle of Departure	: 20 deg	18 deg



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