



**ASHOK LEYLAND**



**90.16**



# 90.16

## TECHNICAL INFORMATION

<b>ENGINE</b>	:	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
<b>CLUTCH</b>	:	: Single Plate Diaphragm clutch hydraulically actuated
Facing dia & thickness	mm	: 380 & 14- Non Asbestos Valeo
Total frictional area	Sq.cms	: 1172
<b>GEAR BOX</b>	:	: 6 speed ZF 6.36 OD Synchromesh I : 6.93 II : 4.43 III : 2.634 IV: 1.513 V : 1.00 VI : .838 Rev : 6.22
<b>PROPELLER SHAFT</b>	:	: 1550 series
No. of propeller shafts	:	: 2
<b>REAR AXLE</b>	:	: Fully floating single speed Hypoid Gear, pressure type casing
Axle capacity	kgs	: 6000
Axle Ratio	:	: 4.1:1
<b>FRONT AXLE</b>	:	: Forged I section reverse Elliot type
Capacity	kgs	: 5000
<b>FRAME</b>	:	: All steel ladder type bolted construction
No. of cross members	:	: 7
Frame dimension (depth x width x thickness)	mm	: 204 x 76 x 6
<b>SUSPENSION</b>	:	: 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
<b>STEERING</b>	:	: ZF Power Assisted steering
Ratio	:	: 20.4:1
Wheel dia	mm	: 503

<b>WHEELS &amp; TYRES</b>	:	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)
<b>BRAKES</b>	:	: Full air pressure on all wheels dual line circuit system 'SAW BRAKES'
Exhaust Brake	:	: Pneumatically Operated
Parking brake	:	: Pneumatically operated on rear wheels only

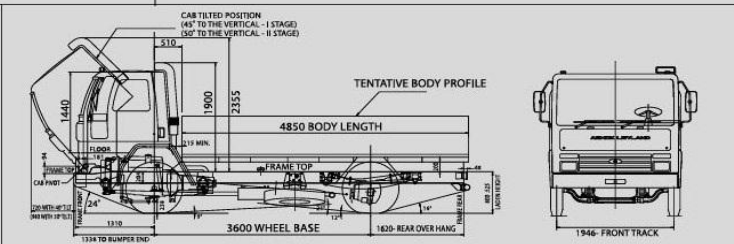
<b>ELECTRICAL SYSTEM</b>	:	24 V negative earth
Type	:	: 100 Amp. Hr. (20 Hr. rating)
Battery	:	: 55 Amps
Alternator max output	:	: Fully trimmed day Cab
Cab	:	

<b>PERFORMANCE DATA</b>	:	115 kmph
Max speed in top gear	:	30.5
Max gradeability %	:	

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

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

<b>MAJOR DIMENSIONS</b> (For chassis in mm)		
Wheelbase	<b>: 3600</b>	<b>4200</b>
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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