# ASHOK LEYLAND

# 90.16

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## TECHNICAL INFORMATION

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|---|---|---|
| **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 Seperator |
| 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 Asbestoes Valeo |
| Total frictional area | Sq.cms | : 1172 |
| **GEAR BOX** | | : 6 speed ZF 6.36 OD Synchnromesh 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 (depth x width x thickness) | mm | : 204 x 76 x 6 |
| **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 |

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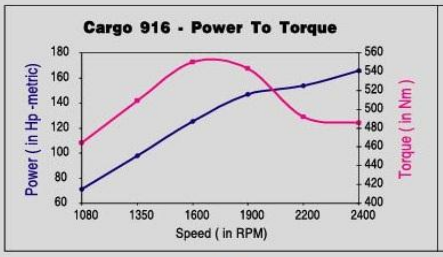
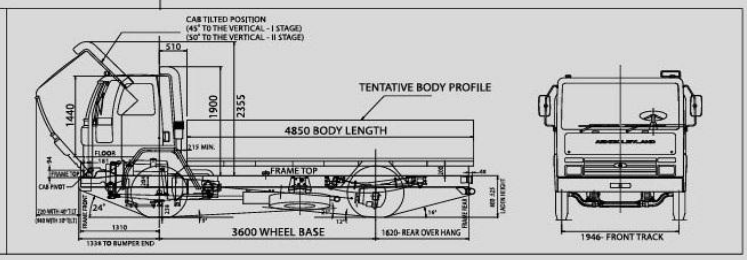
| **WHEELS & TYRES** | : 2 nos. in front and 4 nos. in rear | |
| Rim size | : B 6 x 20 - 134 mm (Offset) 8 wheel bolt | |
| Tyre size | : 7.5 R20-14PR 8.25R20-14PR (alternate) | |
| **BRAKES** | : Full air pressure on all wheels dual line circuit system 'SAW BRAKES' | |
| Exhaust Brake | : Pneumatically 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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Specifications are subject to change as per our policy of continuous improvement

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