



ASHOK LEYLAND



FALCON BUS



HINDUJA GROUP

TECHNICAL INFORMATION

ENGINE	H series W06DTI (Euro I)
Bore & Stroke (mm)	104 x 113
Displacement (l)	5.759
Max output	180 ps @ 2400 rpm
Max. torque	60 kgm @ 1600 rpm
Air filter	Dry type with cleanable elements
Fuel filter	Fleet guard - Fuel filter cum water separator on pressure side and Fuel Strainer before feed pump
Cooling system type	Pump circulated pressurised cooling thermostat controlled with deaeration tank.
CLUTCH	380 mm Dia Diaphragm clutch (Valeo)
Actuation	Hydraulic
Facing dia (mm)	380
Thickness (mm)	10
Wear Allowance per side (in mm)	1.5 min
Gross frictional area (cm ²)	1508
GEAR BOX	ZF, 5 speed synchromesh type
Gear ratios	1st - 7.2 : 1, 2nd - 4.2 : 1, 3rd - 2.44 : 1, 4th - 1.454 : 1, 5th - 1.00 : 1, Rev. - 8.05 : 1
PROPELLER SHAFT	1600 series with rubber mounted centre bearing
No of Propeller shaft	3 Nos.
REAR AXLE	RSI45-Fully floating single speed hypoid gear
Axle capacity (kg)	10200
Axle ratio	4.89 : 1
FRONT AXLE	Forged I - section reverse elliot type
Axle capacity (kg)	6000
FRAME	All steel ladder type bolted
No of cross members	8
Frame dimensions (mm)	229 mm depth x 76 mm width x 6.35 mm thickness
SUSPENSION	Semi-elliptic laminated multi leaf Weweller suspension, rubber ended for better shock absorbing
STEERING	ZF Integral Power Steering (LH)
WHEELS & TYRES	2nos in the front and 4 nos in the rear
Rim size	B7.50 x 20 - 165 mm offset
Tyre size	10.00 x 20 - 16 PR Nylon
BRAKES	Air pressure diaphragm operated with dual line arrangement
Total braking area (cm ²)	4640
Lining Thickness (mm)	12.7
Parking brakes	Flick valve operated pneumatic hand brake on rear wheels only
OPTIONAL	ABS, Air Conditioning Equipment.



ELECTRICAL SYSTEM

TYPE	24V negative earth
Battery	150 Amp. Hr. (20 Hr. rating)
Alternator (max. output)	55A

PERFORMANCE DATA

Max. Speed in top gear (kmph)	94
Max. gradeability	1 in 6

MAJOR DIMENSIONS (mm)

Wheelbase	5639
Overall length (Frame)	10591
Overall width (Bus)	2500
Front Overhang (Upto frame)	1644
Rear Overhang	3308
Front track	2020
Rear track	1816
Frame height (Laden)	910
Minimum ground clearance	250
Minimum turning circle radius	11500

WEIGHT (kg)

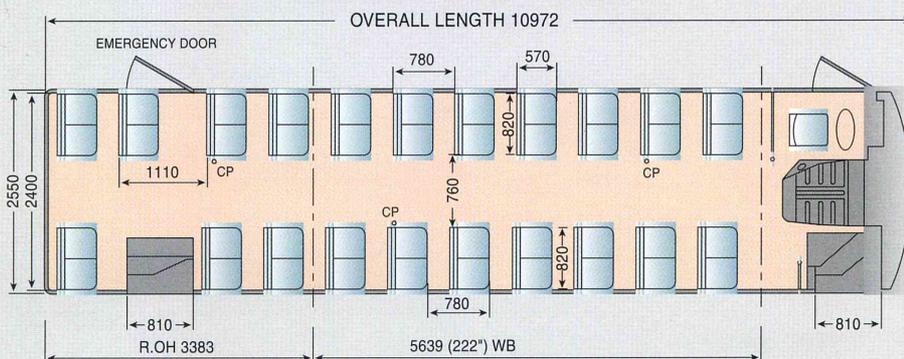
	UNLADEN	LADEN
Front axle	2760	6000
Rear axle	1920	10200
Total	4680	16200



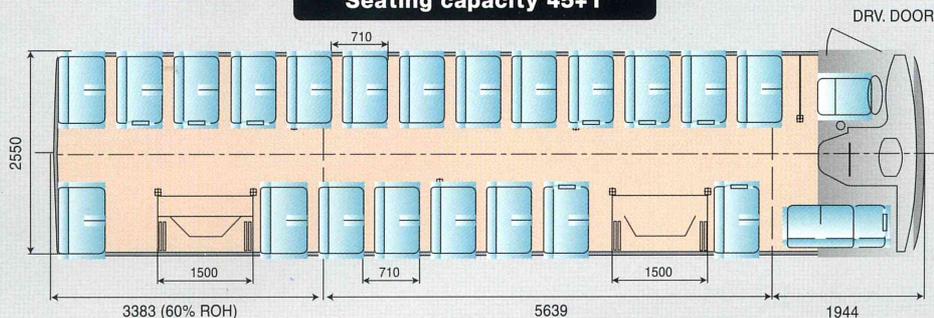
Note: Specifications are likely to change due to continuous improvements. Body and Upholstery illustrated are for reference only.

SEATING LAYOUTS

Seating capacity 42+1

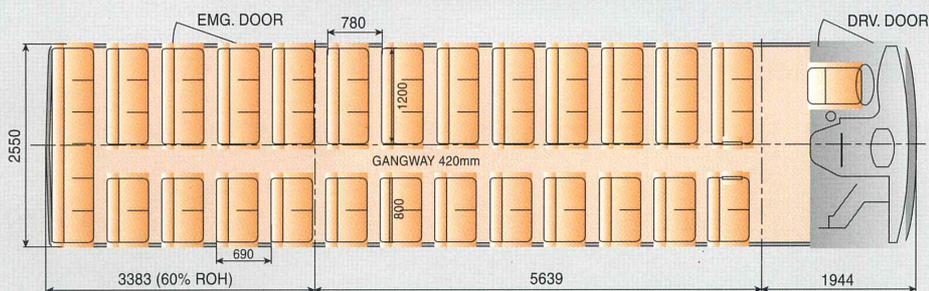


Seating capacity 45+1

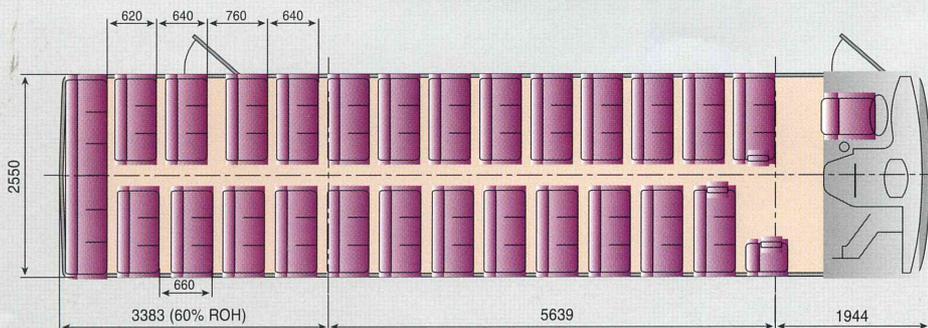


2x2 SEATING LAYOUT CITY BUS WITH ROTOMOULDED SEATS

Seating capacity 66+1



Seating capacity 83+1



ASHOK LEYLAND

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