

# OLYMPIAN

**High capacity, rear engined  
double decker**

The Leyland Olympian, designed by Leyland Bus, gives you a double deck fleet to meet the needs of the 1980's. The vehicle is already with companies in the UK, Singapore, Hong Kong and Greece.

The vehicle is available either in two or three axle form.

It can be fitted with the specially designed Leyland Bus alloy bodywork or can be bodied by any other bodybuilder.

Leyland Bus bodywork offers the advantage of a vehicle designed and produced as a complete unit. The Leyland body is available in low or highbridge form and with a wide variety of seating and door configurations and interior trim. It can be supplied built-up or in CKD form.

Seating/standing ratios vary depending on configuration but a 10.3m two axle double decker can accommodate over 100 passengers.

For applications requiring particularly high passenger loading a three axle Olympian is available. In this form for example a three door vehicle with 3-2 seating can accommodate 160 passengers with 104 seated and 56 standees.

The vehicle has an overall length of 12m but the basic specification and construction of the vehicle is the same as the two axle model.

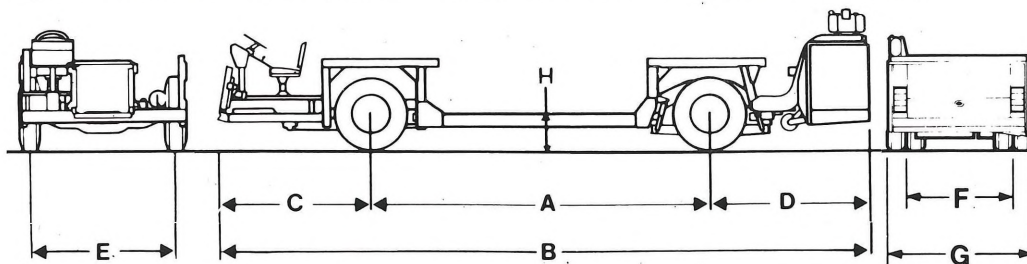
A second axle is inserted ahead of the rear drive axle. This axle carries single wheels and is the same design as the front axle. It is self steering but a lock out device is fitted for reversing.



**OLYMPIAN**



**Olympian – Double Deck**  
**GVW 16256 kg (2 axle), GVW 23000 kg (3 axle)**  
**Up to 100 seat capacity (2 axle), up to 104 seat capacity (3 axle)**



**Nominal Chassis Dimensions and Weight**

Model	A	B	C	D	E	F	G	H (unladen)	GVW	Outerswept Turning Circle
9.6m	4953mm	9538mm	2235mm	2350mm	2130mm	1850mm	2452mm	525mm	16256kg	19.5m
10.3m	5639mm	10224mm	2235mm	2350mm	2130mm	1850mm	2452mm	525mm	16256kg	21.5m

**Standard Equipment**

**Axle, Front**

Leyland 'I' section steel beam.  
 Capacity – 6610 kg (6.5 ton) 2 axle,  
 7500 kg (7.4 ton) 3 axle.

**Axle, Second (3 axle only)**

Leyland 'I' section steel beam.  
 Capacity – 6610 kg (6.5 ton).

**Axle, Rear**

Leyland fully floating double reduction  
 drop centre with spiral bevel.  
 Capacity – 10160 kg (10 ton) 2 axle,  
 10670 kg (10.5 ton) 3 axle.

**Brakes, Service**

Dual line, full air, split system.  
 Total lining area – 5006 cm<sup>2</sup> (776 in<sup>2</sup>) 2  
 axle,  
 7225 cm<sup>2</sup> (1120 in<sup>2</sup>) 3 axle.  
 Optional: Girling 'Skidcheck' anti-lock  
 device.

**Brakes, Parking**

Spring brakes.

**Cooling System**

Type – Pressurised, no loss.  
 Radiator – front mounted, matrix area  
 0.48 m<sup>2</sup> (5.2 ft<sup>2</sup>).  
 Optional: Radiator shutters.

**Electrical System**

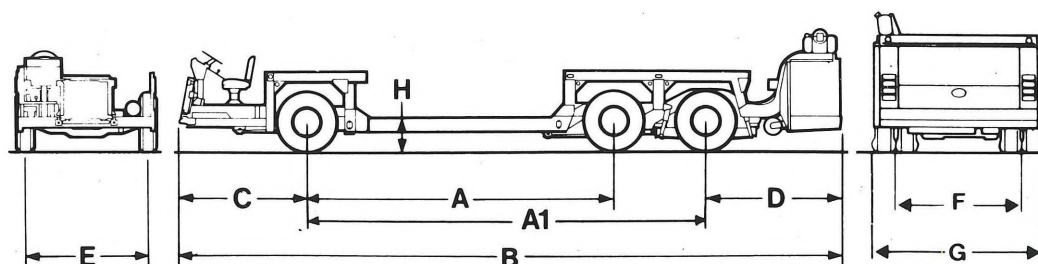
Type – 24V negative earth return.  
 Batteries – Four 195Ah (20 hour rating).  
 Alternator – 100A.

**Engine (2 axle)**

Type – Leyland TL11 turbocharged six-  
 cylinder diesel.  
 Displacement – 11.1 litres (677 in<sup>3</sup>).  
 BS AU141a rating – 127 kW (170 bhp) at  
 1850 rev/min.  
 Maximum torque – 796 Nm (585 lbf ft) at  
 1000 rev/min.  
 Optional: Type – Gardner 6LXB naturally  
 aspirated six cylinder diesel.  
 Displacement – 10.45 litres (637 in<sup>3</sup>).  
 BS AU141a rating – 132 kW (177 bhp) at  
 1850 rev/min.  
 Maximum torque – 720 Nm (530 lbf ft) at  
 1000 rev/min.

**Engine (3 axle)**

Type – Leyland TL11 turbocharged six-  
 cylinder diesel.  
 Displacement – 11.1 litres (677 in<sup>3</sup>).  
 BS AU141a rating – 156 kW (210 bhp) at  
 1850 rev/min.  
 Maximum torque – 881 Nm (650 lbf ft) at  
 1300 rev/min.



Model	A	A1	B	C	D	E	F	G	H	GVW	Turning Circle
12m	5434mm	7034mm*	12000mm	2286mm	2350mm	2130mm	1850mm	2500mm	560mm	23000kg	26m

\*Including bumpers

**Fluid Coupling**

Leyland 485 mm (19 in) fully charged.

**Frame**

Perimeter type construction of channel  
 section pressed steel.

**Fuel System**

Type – Direct injection.  
 Fuel tanks – Twin interconnected.  
 Capacity – 250 litres (55 gallons).

**Gearbox**

Leyland 5-speed Hydracyclic.  
 Control – Leyland fully-automatic.  
 Optional: Semi-automatic.  
 Optional: Voith D851 gearbox.

**Retarder**

Integral hydraulically operated multi-plate  
 retarder.

**Suspension**

Full air front and rear.  
 Front – Two 250 mm (10 in) diameter  
 rolling lobe diaphragms with four  
 telescope dampers.  
 Rear – Four 305 mm (12 in) diameter  
 rolling lobe diaphragms mounted on a  
 steel channel 'H' frame. Four telescopic  
 dampers.

**Steering Gear**

Type – Integral power box.

**Transmission**

1700 Series propellor shaft.

**Wheels and Tyres**

Wheels – Spigotted type.  
 Size – 7.5 × 22.5 with 6 in offset (2 axle).  
 Tyres – 11-22.5 radial ply (2 axle).  
 Size – Front axle: 9.0 × 20 with 6.3 in  
 offset.  
 Second and rear axle: 7.5 × 20 with 6 in  
 offset.  
 Tyres – Front: 13 × 20 radial ply.  
 Second and rear: 10 × 20 radial ply

**Leyland**  
**BUS**

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