

# SPECIFICATION

## Palatine

### PALATINE II / VOLVO OLYMPIAN / DAF DB 250 RS

#### Chassis specification: VOLVO OLYMPIAN

Engine: . . . . . Volvo D10A turbocharged vertical Euro 2 engine.  
Power rating: . . . . . 180bhp (245kW) at 2200rpm  
Torque . . . . . 774lbf.ft (1050Nm) at 1320 rpm  
Gearbox: . . . . . ZF 4HP500 automatic with integral retarder and  
EST 18 control  
Wheels and tyres: . . . . . 11R 22.5 L-rated tyres on 7.5x22.5 spigot-  
mounted steel wheels

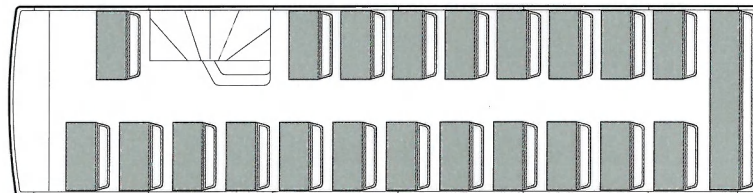
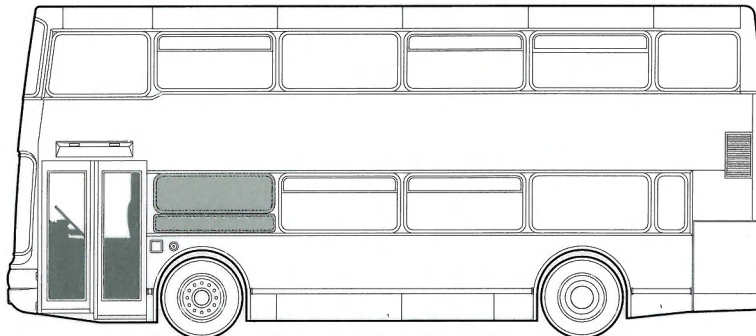
Brakes: . . . . . full air dual line vertical split system, optional ABS  
Suspension: . . . . . full air  
Electrical equipment: . . . . . two 220Ah batteries, one 115 amp Lucas alternator  
Cooling System . . . . . front mounted radiator with belt fan drive and  
thermostatically controlled fan  
Fuel system: . . . . . twin tanks 250 litre total capacity

#### Chassis specification: DAF DB 250 RS

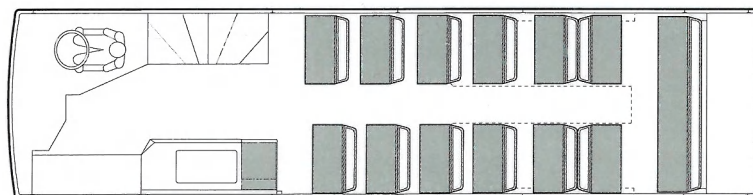
Engine: . . . . . DAF RS 200 8.65 litre turbocharged intercooled Euro 2  
engine.  
Power rating: . . . . . 272 bhp (200kW) at 2300 rpm.  
Torque . . . . . 730lbf.ft (990Nm) at 1400 rpm  
Gearbox: . . . . . Voith D851.3 speed electronically controlled automatic  
gearbox with integral retarder  
Option: ZF Ecomat 4HP500 / Voith D854.2 / ZF 5HP500  
Steering: . . . . . hydraulic power steering, pneumatic adjustable  
steering column

Wheels and tyres: . . . . . 275/70 tyres on 7.5x22.5 wheels  
Brakes: . . . . . dual circuit air brakes with automatic slack adjusters  
Suspension: . . . . . full air suspension with kneeling facility as standard  
Electrical equipment: . . . . . two 200Ah batteries, one 120 amp alternator  
Cooling System . . . . . liquid cooling with centrifugal pump and pressure  
relieving thermostat, fan with viscous coupling,  
engine oil cooler  
Fuel system: . . . . . right hand side 205 litre tanks

#### Seating Arrangement: PALATINE II



**Upper Saloon Capacity - Up To 47 Seats**



**Lower Saloon Capacity - Up To 30 Seats**

**PLAXTON** 

Plaxton Coach & Bus Eastfield Scarborough YO11 3BY Tel: 01723 581500 Fax: 01723 581328

# S P E C I F I C A T I O N

## Palatine

### PALATINE II / VOLVO OLYMPIAN / DAF DB 250 RS

#### BODY DESCRIPTION

**Structure:** Jig built from all extruded aluminium alloy. All dissimilar metal joints pre-treated to prevent electrolytic corrosion and final assemblies treated with anti-corrosion paint. All wheel arches in stainless steel.

**Exterior Panels:** The roof and side exterior panels 1mm aluminium alloy sheet. Side panels flush fitting and bonded to the frame. Front and rear domes, front windscreen surround, lower front and rear panels, in glass reinforced plastic (GRP), Class 2. Front grille GRP and aluminium. Aluminium skirt panel. Hinged GRP headlight panels.

**Flooring:** Floor covering in colour co-ordinated PVC non-slip materials, with all welded seam joints.

**Electrical:** 24 volt DC. Interior lighting continuous strip to both sides of saloon roof with integral inverters. Stanchion mounted bell pushes. Quartz Halogen headlamps, front side and rear trafficators. All body switches illuminated with international symbols.

**Heating:** A two pipe convection system with thermostatic control valves fitted to the saloons. Twin turbo blower unit ducted through a plenum chamber for screen demisting and outlets to cab. Motorised extractor system for rear saloons.

**Glazing:** Laminated single curved split windscreens with 4mm toughened glass side windows. Ten full bay width split opening hopper windows and cab signalling window finished in black epoxy powder-coat. All glazing is mounted in black EPD rubber.

**Interior finish:** Colour co-ordinated plastic laminates are used for the body side panels, ceiling and seat backs.

**DPTAC:** 35mm textured coloured handrails to saloons and entrance areas. Palm press bell pushes to lower saloon stanchions, Bus Stopping sign to upper and lower saloons and exterior lighting to entrance steps. Black and Yellow step nosings and priority seating. Large front manual destination and triple route number to side and rear.

**Seating:** PSV stage carriage seat frames, colour co-ordinated and trimmed in moquette over fire retardant, high resilient foam cushions and squabs. Seat backs in co-ordinating plastic laminates.

**Exterior Finish:** Two colour two pack acrylic spray finish.

**Warranty:** 12 months parts and labour.

#### Options:

- Exterior vinyl logos.
- Soft trim interior.
- Driver's protection screen.
- Radio/PA system.
- Heated front windscreens.
- Dual door.
- Lower saloon rear window.
- Dual purpose coach seating.
- Electronic information systems.
- Video surveillance equipment.