



# HINO

driven to perfection

# Bus

# RB 8 ADR 80/03 Model

A Toyota Group Company

## Basic Bus Description

27-34 seat bus built as standard production but versatile in operation.

## Engine

Max output: (ISO Net) 110kW at 2,700 RPM  
Max torque: (ISO Net) 397NM at 1,800 RPM  
Displacement: 4,009 cc  
Type: 4 Cyl Turbo charged / intercooled / EGR overhead cam, electronic controlled common rail system. Catalytic Converter with DPR & horizontal outlet for the exhaust

## Clutch

Type: Dry plate with damper springs auto adjuster.  
Control: Hydraulic with vacuum booster.

## Transmission

Type: MYY6S, 6 speed overdrive.  
Ratio: 1st 5.979 5th 1.000  
2nd 3.434 6th 0.759  
3rd 1.862 Rev 5.701  
4th 1.297

## Weight/Axles

Tare: Due to option variants the tare weight will vary  
GVM: \*8,000 & 8,500kg  
GCM: 12,000kg  
Front axle capacity: 3,100kg  
Rear axle capacity: 6,200kg  
Ratio: 5.571 : 1

## Brakes

Type: Vacuum / hydraulic ABS system / auto adjust  
Disc brakes on Steer & Drive Axles, EBD Equipped  
Disc area: Fr 296mm, RR 281mm  
Park brake: Transmission mounted  
Exhaust brake: Electric-vacuum actuated  
ES & Drivers SRS: Easy start & drivers airbag

## Wheel and Tyre

Rim Size: 17.5 x 6.00 offset 127mm  
Tyre Size: 225/80R17.5-123/122  
Fuel Capacity: 100 litres with water trap

## Body, Shell and fit out by Chiron

### Speed limited

Speed limited: 100km/h and includes cruise control

### Suspensions

Front: Tapered leaf and stabiliser bar  
Rear: Multi leaf type and stabiliser bar

### Dimensions

Refer to Body drawings

### Bodyshell

The RB 8 bodyshell is an integrated structure that is safe, strong and as light as reasonably possible. The ADR 59/00 compliant "continuous ring" concept utilises High Tensile Galvanised steel tubing in combination with rolled and pressed sections to produce a vehicle of exceptional strength and durability. All hollow sections are Tectyl wax injected to inhibit rust formation.

## Exterior Paneling

**Exterior panels:** Standard side panels are moulded FRP  
**Roof:** Extruded cant section with bonded continuous center panel.

**Waist Panel:** Moulded FRP waist panels with separate FRP lower skirts all bonded to the frame structure.

**Front and rear mouldings:** FRP parts bolted-on for easy removal.

## Interior Paneling

The interior is clean and uncluttered. The interior sidewalls and ceiling panels are Formica or Laminex. Pillar and sill cappings – ASA Thermoformed components. Front header in moulded fiberglass. Modesty panels are fitted to front exit.

## Windscreen

Curved one piece screen designed to maximise driver visibility. Glass thickness is 7mm laminated and produced to European ECE standard.

## Windows

Fixed bonded side windows, utilising anti-sun tinted, toughened safety glass. Driver's window is part of the driver's door and is electric operated.

## Entrance & Exit

**Standard:** Drivers side door with power window and One (1) x 750mm plug type passenger door behind the front wheel with window to waist level, option of power operated to RTA Technical specification 146.

## Emergency Exit

Break glass exit behind the driver, two (2) only 700mm emergency roof hatches and 3 "break glass" emergency exit windows. Option of a rear emergency exit/wheel chair accessible door.

## Air Conditioning (standard)

Denso Cool off engine drive system, ducted full length of the vehicle with fixed vents. Dedicated Drivers air conditioner is also standard.

## Heating

Standard: driver's heater demister.  
2 saloon type floor mounted heaters.

## Access Flaps

Steel frame access doors with full-length hinge and gas stays fitted in locations to access: Battery, spare tyre and radiator, also side of engine access flaps fitted.

## Floor

12mm Rot proofed ply, screwed, bonded and fully undersealed.

## Floor Covering

ALTRO or similar heavy duty flooring material bonded to floor and side-wall to seat rail level.

## Floor Hatches

Fitted over engine and transmission. The hatches are secured with screw action fasteners at each corner.

## Insulation

Insulation is high density closed cell fire retardant PU foam on side walls with R5 glass wool insulation to ceiling cavity; closed cell PU foam with vinyl interlay and Alufoil backing in the Engine compartment.

## Mirrors

Two exterior with spotter mirrors, fully adjustable. One interior, fully adjustable.

## Hand Rails

Hand rails to door.  
30mm stainless steel stanchions and handrail fitted at front door.

## Driver Protection

Protection panel at rear of driver.

## Electrical Equipment

(80 amp alternator)

### (a) Interior – AM/FM radio with CD player

- 5 Fluorescent lights spaced full length of saloon area.
- Dome light above the driver.
- Step lights are fitted to front entrance.

### (b) Exterior

- Hino headlights fitted.
- Hino front turn indicators.
- LED type tail lights, turn indicators, stop lights and end-outline marker lights at rear.
- Reversing lights, Hazard flashers and LED side marker lights fitted.
- Windscreen wipers and washers fitted.

## Painting

Vehicles are finished with a PPG or equivalent corrosion resistant paint system with a high level of finish and endurance. The system incorporates high quality etch priming material, and 2 pack final coat, which is cured in a full low bake heated spray booth to ensure a high quality long lasting finish. The standard colour is White.

## Saloon Seating

Passenger seats are available in several style options including ADR 68 seat belts, trimmed in cloth or vinyl.

## Drivers Seating

Fixed type seat as standard.

## General

Chassis mounted swing out battery box.  
Spare wheel carrier.  
Bumper bars and skirts are painted grey or white.  
Reversing sensors.

## Miscellaneous

One (1) only Fire extinguisher supplied and mounted.  
Four (4) only rubber mudflaps fitted.  
Options: Tow bar, DVD and screen

Note \*8000 GVM de-rate is only available for the 28 belted seat variant.

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