HINO RB 8 *MARK 2*

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 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** & 8,500 kg
GCM :-	12,000kg
Front axle capacity-	3,100 kg
Rear axle capacity-	6,200kg
Ratio-	5.857 : 1

Brakes

Type - Vacuum/ hydraulic ABS system / auto adjust
Disc brakes on Steer & Drive Axles
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 off set 127 mm
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

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 utilizes 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

12 mm 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

(100 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 gray 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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A.B.N. 74 064 989 724

Date of issue 21/5/09