



# CS140

## SCHOOL / CHARTER BUS

The Chiron Schoolbus is an ideal vehicle for school and day charter applications. With its stylish exterior and modern interior it is a practical and durable vehicle designed for 25 years service life.

It offers versatility with your choice of chassis without compromising on quality. When operations demand an attractive and cost effective asset, the Chiron Schoolbus is at the top of its class.



**CHIRON**  
COMMERCIAL VEHICLES

AUSTRALIAN DESIGNED & 100% AUSTRALIAN OWNED



DRIVING YOUR BUSINESS  
DRIVING YOUR BUSINESS

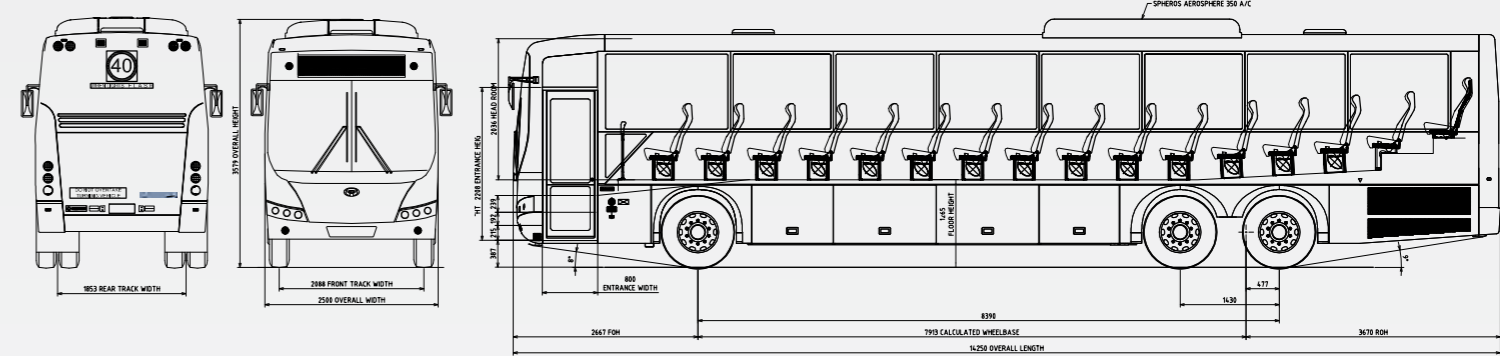


## CS140 - SCHOOL / CHARTER BUS

The Chiron Schoolbus is designed and development by Australian Engineers with decades of experience in the bus and coach industry. The result is a top quality vehicle built tough to suit Australian conditions.

The best available materials and components from reputable suppliers around the world are built into the product. Some of these highlights include:

- Body frame made from galvanised high-tensile steel for safety and durability
- Structural plywood flooring – rot proofed to Australian H3 standard
- Lower body panels made from marine grade aluminium
- PPG Delfleet paint system
- SWF heavy duty wiper systems
- Thoreb multiplex electrical system
- Festo door pneumatics and control system
- Hella LED type lamps for exterior signalling lights
- Teknoware and Invertec interior lighting system
- Southport roof hatches with LED type emergency illumination
- ISRI driver's seat



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Passenger friendly entry with flush-gliding door



Front / side view



Seat belted seats



Bullbar or nudge bar



Top hopper style side windows



Customer choice of seats & fabric



Ergonomically designed drivers area



Through luggage bins



Full length parcel racks



Radio/DVD Player with 17" TV Screens

# CS140 - SCHOOL / CHARTER BUS SPECIFICATION

## DESCRIPTION

Single Door, 1265mm floor-height bus

## DIMENSIONS

**Length options:** 13.09m to 14.25m

**Front Overhang:** 2.2 to 2.5m

**Rear Overhang:** 3000m to 3670mm

**Width (Nominal):** 2500 mm

**Height (Nominal):** 3600 mm (including Air-conditioning)

## BODYSHELL

The Chiron concept is to build an integrated body shell structure that is Safe, Strong and as Light as reasonably possible but flexible in that a choice of vehicle length options are available. Chiron utilizes High Tensile Galvanised steel tubing in combination with pressed sections to produce a vehicle of exceptional strength and durability. All hollow sections are wax injected to inhibit internal corrosion. The body structure complies with Australian ADR59 roll-over protection safety standards.

## EXTERIOR PANELLING

### School bus exterior panels:

Side panels are made from FRP sheet, bonded to the frame. Skirt panels and access doors to bins, electrical compartment and engine bay etc are made from Marine grade aluminum. Wheel arch panels are moulded FRP.

### Roof:

Bonded FRP roof sheeting with extruded aluminium cant panel.

### Front and rear mouldings:

FRP front and rear exterior moulds bonded to the body structure. Separate FRP bumper bars bolted for easy removal – front and rear.

## INTERIOR PANELLING

The CS140 interior is clean and uncluttered, available in a range of trim and colour combinations. The interior side wall and ceiling panels are Formica or Laminex.

Pillar and sill cappings are powder coated aluminium. Front header in moulded FRP. Storage compartment incorporated in header moulding above driver.

## WINDSCREEN

Three piece curved windscreen (separate left and right screen, and destination sign glass) designed to maximise driver visibility. Glass thickness is 7mm laminated and produced to ECE/ADR standards.

**Option:** single piece curved windscreen.

## WINDOWS

Fixed bonded side windows, utilizing tinted, toughened safety glass. Slider section in driver's side window.

### Options:

- Top sliding bonded side windows.
- Top hopper style side windows with flush fitting exterior for easy cleaning in automatic bus washes.

## ENTRANCE & EXIT

**Standard:** One (1) x 850mm nominal frame aperture width flush-gliding pivot door, manufactured from steel RHS sections with toughened glass. Door operation via a driver operated Festo electro-pneumatic control system. Door safety system to prevent passenger

entrapment. Air System separately protected by filters and pressure regulator.

**Option:** Brake interlock system to NSW RTA Technical Specification 146.

**Option:** Swing away forward hinged or plug type door.

## EMERGENCY EXIT

Emergency exits to ADR requirements utilizing roof hatches and break-glass windows. LED illuminations of emergency exit signs.

## AIR CONDITIONING (OPTION)

Customer choice of A/C System, ducted full length of the vehicle via cant mounted ductings.

## HEATING

Heavy duty driver's heater/demister.

**Option:** Floor mounted heaters in saloon.

## ACCESS FLAPS

Steel flaps with full-length hinge and gas stays fitted in locations to access: Electrics, Battery, Radiator, Engine and Side of engine. Wheel arch panels are also lift up allowing full access.

## FLOOR

Structural plywood, rot proofed to H3 standard, screwed, bonded to steel supports and under sealed.

## FLOOR COVERING

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

## FLOOR HATCHES

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

## SOUND AND HEAT INSULATION

Side walls and roof cavities are insulated with synthetic wool. Sound absorber leaded vinyl in the engine compartment.

## MIRRORS

Two exterior and one interior fully adjustable mirrors.

**Option:** Electric adjustment and heated external mirrors.

## HAND RAILS

Hand rail on the left and right of the entrance step finish in yellow powder coat.

**Option:** Stainless steel ceiling rails with standee straps and vertical stanchions located at their junctions by cast aluminum fittings.

## DRIVER PROTECTION

Modesty panel behind driver.

**Option:** Full height protection panel at rear of driver.

## ELECTRICAL EQUIPMENT

**Multiplex body electrics standard.**

### Interior lighting:

- 7 Fluorescent lights spaced full length of saloon area.
- Halogen down light above driver.
- Halogen down light over front entrance.
- Engine compartment lights.
- 8 x LED bin lamps.

## Exterior lighting:

- Dual Hella headlamps with additional driving lamps.
- LED lamps for front and rear turn indicators, stop lights, tail lights, side marker lights, reversing lights, number plate lights, front and rear end outline markers, and additional high mounted rear indicator and stop lamps.

## Wiper System:

Heavy duty wiper system and windscreen washer system with spray nozzles on wiper arms.

## Audio System:

Radio/CD player with 8 speakers.

**Option:** PA system with drivers mic.

- Radio/DVD Player with 17" manual or motorized TV screens.

## PAINTING

Chiron bodies are finished with a PPG Delfleet paint and cured in a low-bake booth to ensure a high level of finish and endurance. A two colour fleet layout is normally included.

## SALOON SEATING

Passenger seats are available in several style options from standard metro seats to ADR68 seat belted seats.

## DRIVERS SEAT

Fully adjustable ISRI mechanical suspension seat with lap belt and head rest.

**Option:** Air suspension ISRI driver's seat with 3-point lap-sash belt and head rest.

## MISCELLANEOUS

- Two Fire extinguishers fitted, 1 at driver, 1 at engine compartment.
- Sun blinds to front screen and driver's side window with option for electric blinds.
- Swing out battery carrier.

## OTHER OPTIONS

- Spare wheel carrier.
- Engine air intake at cant panel.
- Side or through bins.
- Electronic Destination system.
- Saloon curtains.
- Parcel racks with option for individual lamp, a/c vent & speaker modules.
- Reverse camera with 5" screen.
- Full Video Surveillance system with multiple channel camera setup.
- Bullbar or nudge bar.
- Windscreen protection mesh.
- Additional mine spec options which include full width mudflaps, engine and exhaust protection mesh, beacon lights and isolation switches.



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COMMERCIAL VEHICLES

Chiron reserves the right to make changes in design and equipment without notice.

## Chiron Commercial Vehicles Pty Ltd

10 Lagana Place (PO Box 7045)

Wetherill Park NSW 2164 Australia

P: 61 2 9729 4466 F: 61 2 9729 4477

## For further information please contact

Lorenz Eberl on 61 (0)421 447 601

James Bosnjak on 61 (0)412 476 511

Email: info@chironcv.com

www.chironcv.com