

NEW RANGE



BCI THE DIFFERENCE
IS IN THE DETAIL





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BCI (Bus & Coach International), one of the leading Australian bus manufacturers, are celebrating **30 years** since their foundation back in 1991 in Perth by Ron Nazzari, currently still chairman for the company. This three-decades journey from a family operated business to become a recognized international brand exporting **premium buses** to overseas markets is now part of the Australian Bus Industry history.

BCI's stability and reliability as a manufacturer, based in the relationship with our clients and **after sales care** for the product we deliver, has always been our cornerstone in the last thirty years. It represents a great achievement for BCI's staff, suppliers and especially, our more than **six hundred** Aussie customers, whose trust in our brand has allowed us to reach this remarkable milestone.



PREFACE

With a large **dealer network** in all states, the Western Australian manufacturer delivered in 2020 their bus number **2,000** into Australia and have recently incorporated innovative models to their bus range, including the silent Zero Emissions electric bus, the elegant new designed low-floor **Citirider** and the impressive BCI **Cruiser** coach, with its body-only version built on **Mercedes-Benz** chassis. Their very first units are already hitting our roads, captivating public's attention with their latest technology and stylish look.

This **new generation** of BCI buses is a step forward triggered by our exposition to international markets, where we are permeable to understand the latest requirements from world leading companies, allowing our talented **engineering team** to portray their refreshing ideas into revolutionary designs that bring to Australia the best combined elements, totally adapted to our country's special conditions, thanks to our **experience** and understanding of bus owners, drivers, mechanics and passengers needs.



With the aim of contributing to a greener **future** and exploring alternatives to diesel vehicles, BCI was pioneering the distribution of the first **electric buses** in Australia already back in 2008. Motor drive technology has moved on since, but our clear bet for sustainable and environmentally friendlier sources of energy in transport remains. Hydrogen or electric, our **versatility** allows us to contemplate all possible solutions and tailor them to our customers applications.

BCI delivered in 2020 their bus number **2,000** into Australia





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CITY BUS

Either in their short (Proma Low Floor), medium (Citirider 10), large (Citirider 12), zero emissions (Citirider E) or body-only versions (built on low entrance Mercedes-Benz chassis), the BCI city buses are built to perform well in urban centres, suburbs streets, freeway or country town routes, with a clear focus on creating a spacious environment for passengers transportation and driver operation, with all the comfort, convenience and safety required in the mass transport. The stylish interior, avantgarde features and modern design take these new models to the next level.



CITIRIDER

Completely **re-designed** (in & out) new low-floor BCI Citirider, in **electric** or **diesel** versions. Conceived for commuter fixed-route service during peak periods and limited stops. Equipped for passengers comfort and ease of boarding / exiting. DDA Compliant. Available in 10 to 12 m length or as a body-only for assembly with a Mercedes-Benz O500 LE chassis.



SPECIFICATIONS

Dimensions	12490 x 2500 x 3400 mm
Body & Frame	Fibreglass front, rear header panels and roof, aluminium lower skirt panelling, Australian standard Supergal steel frame Option: Stainless Steel frame
Seating	1 door, 49 seats & 25 standees OR 2 doors, 45 seats & 28 standees Option: ADR 68 Seat belted seats
Air Conditioning	Thermo King II Plus 1004 with X430 compressor Option: MCC A/C
Storage	Small steel luggage rack between front wheel arch seats and "ironing board" backrest for wheel chairs to be included Option: Luggage bins
Engine	Cummins ISB 6.7 E5 300B Option: Cummins ISL 8.9 E5 320 / Euro 6
Max Output	221kw @ 2,300 rpm, 1100Nm @ 1,200 - 1,800 rpm Option: 235 kw @ 2,100 rpm, 1,350Nm @ 1,100 - 1,500 rpm
Emission	ADR 80/03, EURO 5 / Option: ADR 80/04 (Euro 6)

Transmission	ZF 6 speed automatic with retarder Option: Allison T350R 6 speed automatic with retarder
Axles	Front & Rear: Hande IFS with stabilizer bar & Knorr disc brakes
Suspension	Front: Hande IFS with 2 air bellows & Rear: Jinben with 4 air bellows Option: ZF suspension with 2+4 air bellows
Brakes	Wabco EBS, ESC
Tyres & Wheels	Standard alloy wheels 8.25 x 22.5 / 295 / 80 22.5 Double Coin Tubeless (7)
Steering	Bosch 8098 power steering
Fuel Capacity	Fuel: 200 l / AdBlue: 35 l
Alternator	28v 140a
Batteries	12v 190Ah x2
GVM	18,000 kg
Max Speed	100 km/h (limited)

CITIRIDER

FEATURES

Standard

- Front door fold out wheelchair access ramp (DDA compliant)
- Wheel arch storage area
- Road-friendly airbag suspension
- Windscreen and driver's side window sun blinds
- Electric mirrors
- Dark tint saloon glass
- Dual Zone Radio & PA system

Options

- Destination sign
- Enclosed driver's compartment
- USB charging sockets
- CCTV Surveillance system
- Electronic dot matrix / LED signs
- Fare taking / verification equipment
- Wi-Fi Area
- Bus stop request button
- DVD TV screens
- Double-door alongside slide function

VARIANTS

Citirider 10 (10120 x 2500 x 3300 mm)

Citirider Intercity (with underfloor bin storage)

Citirider Articulated (18000 x 2500 x 3400 mm)

Zero Emissions Citirider E

Premium components from international suppliers such as Bosch, Wabco, Prestolite, Ventura or Continental, combined to adapt to Australian conditions and operators requirements ensure vehicle highest performance and passengers satisfying experience.



NEW TECHNOLOGY BUS

BCI is committed to provide **Zero Emissions** buses with proven reliable technology in **electric or hydrogen fuel cell** drive. By far the most significant technological challenges are associated with the main energy system (**battery packs** for EV, **hydrogen tanks** for HFCB) on the bus. **Safety** is our highest priority, but other key factors are power density, life expectancy and cost.

The New Technology BCI buses will require either **charging stations** for their battery packs (ideally reducing the number of stations through a charging distribution station for simultaneous use by multiple buses at the same depot, choosing the cheapest **cost-energy** timeframes to optimize cost), or a hydrogen fuel cell (and hydrogen tanks installed at the bus roof for operational and safety reasons, with the regular **supply of hydrogen** being another key factor to ensure **autonomy** ranges and **efficiency**).

Public fleets officers and private operators can have confidence that the BCI new technology buses will offer the high levels of **safety** and **quality** expected for the Australian travelling public. With these unique and innovative solutions, BCI grant the opportunity to travel to a much cleaner and efficient brand new world.



CITIRIDER E

BCI present in Australia their new **Zero Emissions** Citirider E on a low floor **urban application**, providing a safe, convenient, comfortable and environmentally friendly experience, reducing noise and exhaust emissions and making a significant contribution to delivering the government's commitment on carbon footprint for **public transport** and **air quality** improvement for our cities.

Offering the longest range from all Zero Emissions urban buses currently available in Australia.



SPECIFICATIONS

Dimensions	12490 x 2500 x 3400 mm
Body & Frame	Fibreglass front, rear header panels and roof, aluminium lower skirt panelling, 4003 Stainless steel frame
Seating	2 doors, 45 seats & 20 standees
Air Conditioning	Thermo King Special E1200 reverse cycle A/C with additional PTC heaters
Storage	Small steel luggage rack between front wheel arch seats and "ironing board" backrest for wheel chairs to be included
Engine	Electric propulsion ECE 85
Max Output	350 kW @ 3500 Nm
Emission	Zero Emissions
Transmission	N/A

Axles	Front: ZF RL-82EC with Knorr disc brakes, Rear: ZF A-132 with Knorr disc brakes
Suspension	ZF Air Suspension with ECAS
Brakes	Wabco EBS3 with features to maximise regeneration in EV drive system during deceleration
Tyres & Wheels	Wheel: Alex A-shine rims 8.25x22.5 Tyres: Continental Urban HA3 M+S 295/80 R 22.5
Steering	Bosch 8098 steering gear
Fuel Capacity	N/A
Alternator	N/A
Batteries	CATL 403 kWh, 684 Ah, 589 V
GVM	18,000 kg
Max Speed	100 km/h (limited)
Autonomy Range	400 km plus (depending on traffic conditions)

Fully compliant with Transport for New South Wales Panel 3 requirements

FEATURES

Standard

- Front door fold out wheelchair access ramp (DDA compliant)
- Wheel arch storage area
- Road-friendly airbag suspension
- ECAS including Kneel & raise operation
- Sun blinds to front and side windows
- Electric mirrors
- Dark tint saloon glass
- Dual Zone Radio & PA system

Options

- Destination sign
- Enclosed driver's compartment
- USB charging sockets
- CCTV Surveillance system
- Electronic dot matrix / LED signs
- Fare taking / verification equipment
- Wi-Fi Area
- Bus stop request button
- DVD TV screens
- Double-door alongside slide function

BCI is sourcing batteries from **CATL**, one of the world's largest manufacturers with a great safety record. Battery life expectancy is 8 years (under normal operation and recommended maintenance) for our BCI Citirider E application.

Main Energy Storage System

- Battery chemistry type LFP
- Capacity 403 kWh
- Nominal voltage 589 V

Charging Socket

Type: CCS AC/DC type 2 (IEC 62196)

Propulsion Motor

Type: Permanent Magnet Synchronous Motor

Rated continuous power 195 kW

Peak power output 350 kW

Rated continuous torque 2060 Nm

Peak torque 3500 Nm

Degree of protection IP 6K9K





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COACH

Step up to a world-class new coach body with the highest technological engineering



Replacing the classic BCI Cruiser, this European flare new BCI coach body with either a proven Daimler driveline or a BCI chassis as per customer's choice will endure the Australian road conditions on multiple applications.

The unique body-on-chassis relationship between Mercedes-Benz and BCI in Australia over the past decade have produced a new stylish coach that will represent both brands in the years to come with the latest technology, innovative design and excellent performance.

Built in a stainless steel or galvanized frame, with timber-look flooring, the two versions of Mercedes-Benz or BCI chassis will have lower indoor skirt panels, built on composite fiberglass, light and strong for easier repairs and highly resistant to impacts for long distance coaches, or with aluminium side panels, for the school bus applications, with some simplified interior specifications.

With original front and rear headers, different roof and interiors, the new BCI coach body integrates well with the Mercedes-Benz chassis, software and hardware, with multiple variants for Euro 5 or 6 engines, in two or three-axle coaches configuration.

CRUISER 12

SPECIFICATIONS

Dimensions	12360 x 2495 x 3780 mm Option: Extended Length 2 Axle at 13500 / 3 Axle at 13700 or 14500
Body & Frame	Galvanized Steel 40x40 frame, Fibreglass front and rear header panels Option: Stainless Steel 40x40 frame
Seating	57 fixed Sege passenger seats / Option: 53 reclining, 3-point ADR 68 compliant safety belt seats, ISRI driver's seat with arm rests and automatic reset, 3-point safety belt
Air Conditioning	MCC Husky 38 heat/cool/Bitzer F600Y compressor Option: Thermo King KRS II Plus 1004 with X430 compressor heat/cool
Storage	Underfloor storage luggage bins with 10m ³ Option: pantograph style underfloor luggage bins, Internal Magma Ellamp luggage racks Option: Fiber glass conventional underfloor luggage bin doors
Engine	Cummins ISL 8.9 E5 400 HP Option: Cummins ISL 8.9 E5 320 / 360 HP
Max Output	Max Torque Output @ 2,100 rpm, 1337 Nm Max Power Output@2100 rpm: 294 kW
Emission	ADR 80/03, EURO 5 / Option: EURO 6
Transmission	ZF 6 speed automatic with retarder Option: Allison T3090R 6 speed automatic with retarder
Suspension	ZF IFS suspension with 2 air bellows; Hande RS with 4 air bellows; Stabilizers bars front & rear

Axles	Front & Rear: Hande independent front suspension Option: ZF IFS with stabilizer bar & Knorr disc brakes Rear: Hande, max. load 13,000 kg with Knorr disc brakes
Brakes	Wabco EBS, ESC
Tyres & Wheels	Wheels: Polished Aluminium 8.25 x 22.5 Tyres: 295/80 22.5 Double Coin
Steering	Bosch 8098 power steering, Adjustable column
Fuel Capacity	Fuel: 400 l / AdBlue: 35 l
Alternator	2x 140A
Batteries	12v 195 Ah x2
GVM	18,000 kg
Max Speed	100 km/h (limited)



CRUISER 12

FEATURES

Standard

- Cruise control
- Suspension kneel
- Quick release lift up wheel arches with gas struts
- Electric single front windscreen sun blind and pull down driver's side window sun blind
- Electric high-mounted mirrors
- Remote controlled pneumatic entry door
- Dark tint saloon glass
- Composite floor
- Roof mounted air intake
- 2x19" widescreen TVs and DVD entertainment system & dual zone stereo
- Reversing camera
- GPS antenna
- Passenger multiset & LED reading lamps

Options

- Wheelchair provision loader with 2 wheelchair positions and removable seat lays
- Bull bar
- Toilet
- USB charging sockets
- CCTV Surveillance system
- Parker Dashboard
- Touch screen
- Blue strip LED lights on floor
- Wi-Fi Area
- Fridge at dashboard
- Seatbelt sensors
- Lane departure
- ECAS & Weight scales



COACH BODY

BCI present their **innovative** coach **body** developed in cooperation with **Mercedes-Benz** and exclusively manufactured to be built on the 2 or 3 axle configuration 0500RF chassis from the three point star brand.

This is an entirely **new coach**, fully built on ferritic 4003 stainless steel frame, with its front and rear header, wheel arch panels, roof and luggage bin doors made of composite fiberglass, easier to fix and more resistant to damage caused by impacts.



New European ergonomically design dashboard, with switches modified to adapt to **Australian conditions**. It includes a dashboard inserted fridge for driver, a 12.3" touch screen, fitted on left hand side of steering wheel and a 360° vision system with optional 4 cameras on front, each side and rear, and Navigation device with access to Googlemaps set up by Android.

The front mould wind tunnel test-reduced drag coefficient for improved aerodynamics and the light fiberglass panels are conceived for expected fuel savings which is key for long distance coach **fleet operators economy** on regular routes.

Interior is illuminated by LED, with the alternative of VIP reclining Sege leather seats including armrests, USB ports and folding tray tables, available in different colour combinations.

Optional toilet, wheelchair lift and composite floor are available after request.

COACH BODY

CHASSIS

Mercedes-Benz 0500RF 2 Axle / 3 Axle

SPECIFICATIONS

Dimensions	12300 x 2500 x 3800 mm Option: 3 Axle
Body & Frame	Stainless Steel 40x40 frame / Fiberglass front and rear header panels Option: Galvanized Steel 40x40 frame
Floor Height	1600 mm
Seating	3 point ADR 68 safety belt seats, ISRI driver's seat with arm rests and automatic reset, 3-point safety belt 2 Axle: Max 57 seats / 3 Axle: Max 63 seats
Air Conditioning	Thermo King KRS II Plus 1004 with X430 compressor heat/cool Option: MCC A/C
Storage	Underfloor storage luggage bins with 10m ³ Option: pantograph style underfloor luggage bins, Internal Magma Ellamp luggage racks

FEATURES

Standard

- Dark tint saloon glass
- LED passenger reading lamps
- Quick release lift up wheel arches with gas struts
- Electric single front windscreen sun blind and pull down driver's side window sun blind
- Remote controlled pneumatic entry door
- Top mounted exterior mirrors
- Composite floor with blue strip LED lights
- Touch screen
- Roof mounted air intake
- 2x19" widescreen TVs and DVD entertainment system & dual zone stereo
- Reversing camera
- GPS antenna
- Passenger multiset

Options

- Wheelchair provision loader with 2 wheelchair positions and removable seat legs
- Toilet
- Bull bar







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Specifications and major features listed are accurate at the date of publication (2021-02). BCI reserves the right to change specifications without prior notice.