

C12E Series

Comfort, convenience and capacity

100% Battery Electric Bus



Seats 51 - 57

Full through luggage bins

Fitted with EBS, ABS, ASR, ESC

Multiple charger solutions

YESS Electric Vehicle Safety



CALL 1800 YUTONG sales@vdiaustralia.com.au

STANDARD VEHICLE CONFIGURATION

57 x fixed ADR68 seat belted seats in cloth trim
 1 x driver's suspension seat with lap sash and belt
 Two-piece windscreen
 Electric controlled mirrors with heating
 Full electric reverse cycle air conditioning with individual outlets
 Separate driver's area air conditioning
 Bonded dark glass to saloon area
 Steel frame and body panels, full vehicle electro plating for anti-corrosion
 Opening panels skinned in aluminium
 Three-piece rear bumper bar
 Removable front external access panel for easy maintenance
 Integrated infotainment system with radio, PA, USB, MP4
 Full through luggage bins with two doors per side

DIMENSIONS

Length: 12,370mm
 Width: 2,500mm
 Height: 3,610mm
 Wheelbase: 6,450mm
 Overhand Front / Rear: 2,600mm / 3,320mm
 Track Front / Rear: 2,060mm / 1,847mm

MASS

GVM (Maximum Permissible) 18 ton

DRIVE SYSTEM

Engine Arrangement: Single rear mounted
 Emission Type: Zero
 Drive Motor Manufacturer: Yutong
 Drive Motor Model: TYZ400XYTB49
 Motor Control System: Yutong
 Rated Output: 350kW peak
 Rated Torque: 3200Nm peak
 Rated Type: LiFe *Lithium Iron Phosphate*
 Rated Capacity: 350kWH
 Battery Management: Yutong
 Battery Thermal Management: Liquid
 Charger Type: DC
 Charge Rate: 60 - 230 amp

ELECTRICAL SYSTEM

Alternator: 24 volt charge from high voltage system
 Battery: 2 x 90 AH / MF

SEATING CONFIGURATIONS

57 x fixed ADR68 seat belted seats in cloth or faux leather trim
 51 x reclining ADR68 seat belted seats in cloth or faux leather trim
 53 x reclining ADR68 seat belted seats in cloth or faux leather trim

INSTRUMENTATION

State of charge, air pressure, speedometer, door state, next stop indication

WARNING SYSTEM

State of charge, air light and audible alarm, indicator light, hazard light, parking brake light, high beam light, door fault

PROPELLER SHAFT

Two-piece with slip joint
 Forged ends with 'U' joint at each end

REAR AXLE

Type: Full Floating Banjo
 Capacity: 13,000 kg
 Gear Ratio: 5.625:1

STEER AXLE

Type: Reverse Elliot 'I' Beam
 Capacity: 7,000 kg

WHEEL & TYRE

Type Size: 295 / 80R 22.5
 Wheel: Aluminium 8.25 x 22.5 x 10 stud fixing

STEERING

Type: Integral recirculated ball and nut hydraulic power assisted
 Column: Tilt and telescopic

SERVICE BRAKE

Type: Full air
 Front: Disc
 Rear: Disc
 Lining: Non asbestos
 Features: Electronic Braking System (EBS), Anti-lock Braking System (ABS), Anti-slip Regulation (ASR), Electronic Stability Control (ESC)
 Park Brake: Spring actuated gradual control valve
 Auxiliary: Vehicle regenerative braking

SUSPENSION

Type: Air suspension with electronically controlled air suspension (ECAS)
 Front: Two air bags
 Rear: Four air bags
 Shocks: Two front, four rear

SAFETY

Advanced Driver Assistance System (ADAS), Driver Warning System, Acoustic Vehicle Alerting System (AVAS), YESS Yutong Electronic Safety System, TS160 door safety system



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