



EV180A

Articulated Low Floor City Bus



Internal layout



EV180A specifications

| | | |
|-------------------------|---|---|
| Basic Parameters | Model | EV180A |
| | Fuel | Battery Electric |
| | LHD or RHD | RHD |
| | Passenger Capacity | 1 Driver / 51 seated/40 standees Passengers |
| | Dimension (L*W*H, mm) | 18,000 × 2500 × 3400 |
| | GVM (kg) | 27,700 |
| | Tare (kg) | 18,500 (tbc) |
| | Approach/Departure angle (degrees) | 7/7 |
| | Min. Turning Diameter (m) | 24.8 |
| | Max. Grade (% , 1 min) | 20% |
| | Continuous Max. Grade (%) | 15% |
| | Top Speed (km/h) | 80 |
| Range | ≥400km | |

EV180A specifications continued

| | Description | Standard | Component Brand |
|----------------------|-------------------------------|--|-------------------|
| Power System | Traction Battery | 525 kWh | ✓ CATL |
| | Hydrogen Fuel Cell | N/A | N/A |
| | Drive Motor | Integrated with ZF wheel hub motor axle | ✓ ZF |
| | Controller | All In One | ✓ |
| | Hydrogen Tanks | N/A | N/A |
| | Air Compressor | Electronic air compressor | ✓ E-Piston |
| | Steering Pump | Electric steering pump | ✓ |
| Chassis | Suspension | Air suspension | ✓ ZF |
| | ECAS | WABCO | ✓ WABCO |
| | Front Axle (1) | ZF RL 82 EC Disc brake – Steer axle | ✓ ZF |
| | Rear Axle (2) | ZF AVE 130 Disc brake – Drive axle | ✓ ZF |
| | Rear Axle (3) | ZF AVN 132 Disc brake | ✓ ZF |
| | Tire | 275/70R22.5 | ✓ |
| | Rim | 22.5×7.25 (alloy) | ✓ Alcoa |
| | Steering System | Hydraulic power steering | ✓ ZF / Bosch |
| | Braking system | WABCO AEBS braking system | ✓ WABCO |
| Safety and Electrics | ADAS | Lane departure warning system | Optional Mobileye |
| | Dashboard | ACTIA | ✓ ACTIA |
| | Camera System | Reversing cameras and buzzer | ✓ Included |
| | Exterior Lamps | Hella LED | ✓ Hella |
| | LV Battery | 24V maintenance free | ✓ |
| | A/C | Thermo King Cooling and heating A/C | ✓ Valeo |
| | Integrated articulated system | Hubner | ✓ Hubner |
| | Fire Extinguisher | HV compartment | ✓ |
| | Demister | PTC heater | ✓ Valeo |
| Body | Body Structure | Monocoque U-hoop structure, imported stainless steel | ✓ |
| | Body Style | City Bus – New Energy style | ✓ |
| | Wheelchair Ramp | Flip out ramp | ✓ |
| | Side Window | Tempered glass | ✓ |
| | Floor Mats | Gerflor | ✓ |
| | Floor | Composite Flooring | ✓ |
| | Destination Sign | Front and side standard | ✓ |
| | Rear-view Mirror | Electric/ heated | ✓ |
| | Front Service Door | Inward Glider | ✓ Ventura |
| | Middle Service Door | Inward Glider | ✓ Ventura |
| | Driver Seat | Isri air ride driver's seat with seatbelt | ✓ ISRI |
| | Passenger Seat | Standard fixed seat | ✓ Fainsa |
| | USB ports | In dash | Optional |
| | Wiper | Dual Arm | ✓ Doga |
| | Bell Press System | Wireless | |
| | Hand poles | Powder coated | ✓ |

