

The new ELEC CITY FC 12

With hydrogen towards the future!



FOR A BETTER TODAY – WITH THE FUEL OF THE FUTURE.

- Proven fuel cell technology
- Built to the latest European standards
- 12 meters long with 3 doors
- Series production from 2026
- Built in Europe



ELEC CITY FC 12

The new hydrogen bus from Hyundai.

Hyundai is pleased to once again fulfill its role as a pioneer in alternative drives. The new hydrogen-electric bus was developed for the highest European demands and a sustainable and climate-neutral future!

The bus can be refueled with **both 350 and 700 bar**.

Masses and Dimensions

Length	mm	12.250
Width / Max. Width incl. Mirror Cameras	mm	2.550 / 2.795
Height	mm	3.380
Wheelbase	mm	5.900
Overhang front	mm	2.800
Overhang rear	mm	3.550
Track front / rear	mm	2.080 / 1.855
Interior Standing height	mm	2.340 (above rear axle: 2.270)
Driver Podest height	mm	340
Entrance height	mm	320 (Front and mid door)
Door frame width / height	mm	1.350 / 2.050
Entrance width	mm	1.220
Curb weight	kg	13.500
Gross Vehicle Weight / Max. Technical Weight	kg	19.000 / 19.200
Front axle load / Rear axle load (techn. max.)	kg	7.500 / 11.700
Seated passengers		27 + 1 folding seat
Standing passengers		up to 58
Wheelchairs		1

Motor / Drivetrain

Electric Motor		Asynchronous Central Motor ZF Cetrax CX 220 with liquid cooling
Gearbox		integrated singlestep planetary gear reduction
Gear ratio		i=3,364
Motor-Torque / Weight Ratio	kg/Nm	10,0 - 14,3 @ 1.340 Nm
Nominal Voltage	V	650
Nominal Power (30 min)	kW/HP	180 / 245 @ 4000min ⁻¹
Maximum Power	kW/HP	180 / 245 @ 4000min ⁻¹
Maximum Torque	Nm	1.340 @ 1000min ⁻¹
Maximum speed	km/h	80

Fuelcell and Batteries

Fuelcell stack 90 kW in the rear

Lithium-Ion Bufferbatteries 2x72,6 kWh on the roof (635V)

5x175 litres Type 4 Hydrogentanks on the roof (total 875 litres volume)

Total Hydrogen tank capacity	kg	35,15 @ 700 bar
maximum driving distance	km	550 - 750

Suspension, Wheels & Brakes

Front axle		Rigid steered axle Hyundai
Rear axle		Low floor portal axle ZF AV 133
Power steering		Electric driven hydraulic steering (EHPS), LHD
Suspension		Air suspension (2 bellows front, 4 rear)
Kneeling		Standard doorside
Service brakes		EBS, Full air dual circuit disc brakes
Parking brake		Spring loaded type on rear wheels
Permanent brake		2-step regenerative braking
Brake assistance systems		ABS, ASR, VDC (ESP), Hill Start Aid, Door Brake
Tires & Wheels		275/70 R22,5 152/149J @ alu rims 8,25x22,5
Tires		Michelin X-Incity EV

Heating, Ventilation, Air Condition

HVAC roof-unit with heat pump and additional PTC heater

Driver 's defroster unit with PTC heater

Pipe convectors left side

Max. cooling capacity	kW	33
Max. Cooling / heat pump capacity	kW	30 / 19
PTC heater capacity	kW	0-20
Driver defroster PTC heater capacity	kW	4
Convectors heating capacity	W/m	551

Exterior, Interior, Driverplace, Driver Assistance Systems

Glazing		tinted, single glazing, double glazing as option
Exterior lights		All LED, daytime running light, fog light
External mirrors		Mirror cameras with screens on driver place
Exterior Destination Plates		Luminator LED, other brands optional
Interior Passenger Information Display		Luminator, other brands optional
Interior lights		LED
Passenger seats		Kiel Citos, other brands optional
Seat pedestals		none between front axle and mid door
Doors		Door layout 2+2+2, Ventura, Masats optional



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Exterior, Interior, Driverplace, Driver Assistance Systems

Doors opening motion	outward swinging-sliding, inward gliding optional
Doors mode	automatic, semi-automatic or manual optional
Interior handle bars	yellow, other contrasting colors optional
Stop buttons	Captron, other brands optional
Driver seat	Grammer Tourea HP clima-fabric, ISRI optional
Driver seat benefits	air suspension and lumbar support, swivelling and rapid lowering, integrated headrest, 3-point belt, armrests, electrical Heating and ventilation
Steering adjustment	pneumatic, Dashboard moves with the steering column in height and tilt
Driver assistance systems	Pedestrian and Cyclist Collision Warning (MOIS) Blind Spot Information System (BSIS) Intelligent Speed Assistance (ISA) Drowsiness and Attention Warning (DDAW) Advanced Driver Distraction Warning (ADDW) Alcolock (BAIID) Tire Pressure Monitoring (TPMS)

Specifications according to F-Gas Regulation 2024/573, R134A (GWP 1430) use for battery cooling (0,65 kg), R407C (GWP 1774) use for air conditioning & heat pump (5.2 kg). Symbolillustrations. Typesetting and printing errors reserved. Imprint: Media owner: Hyundai Import GmbH, 1230 Vienna, Austria. Manufacturer: WEISSRAUM - Agentur für Werbung und Grafik GmbH, Hasenauerstraße 30/1, 1190 Vienna, Austria.

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