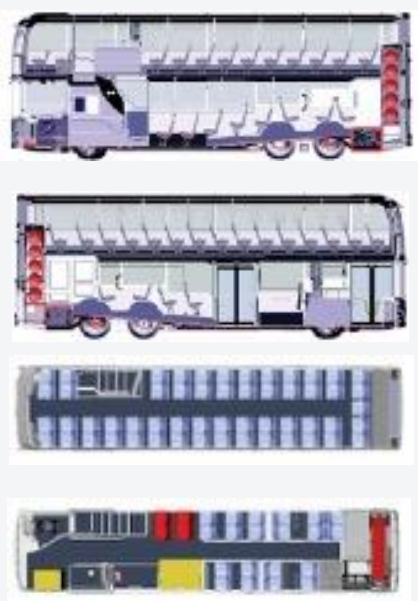


**FC120DD**

# Double-decker bus city bus



## Internal layout



## FC120DD specifications

<b>Basic Parameters</b>	<b>Model</b>	FC120DD
	<b>Fuel</b>	Hydrogen
	<b>LHD or RHD</b>	RHD
	<b>Passenger Capacity</b>	79 Seat +20 Standee +1 Driver
	<b>Dimension (L*W*H, mm)</b>	11,980*2,500*4,400
	<b>(kg)</b>	22,000
	<b>Tare (kg)</b>	16,000
	<b>Approach/Departure angle (degrees)</b>	≥7.1
	<b>Min. Turning Diameter (m)</b>	≤24
	<b>Max. Grade (% , 1 min)</b>	17
	<b>Continuous Max. Grade (% @20km/h)</b>	8
	<b>Top Speed (km/h)</b>	80
<b>Range</b>	≥300km	

## FC120DD specifications continued

	Description	Standard	Component Brand
Power System	Traction Battery	58 kWh	✓ CATL
	Hydrogen Fuel Cell	WEF 110-01	✓ Ballard
	Drive Motor	AVE130	✓ ZF
	Controller	All in one	✓
	Hydrogen Tanks	700BAR - 3*364L /43.8Kg (350BAR optional)	✓
	Air Compressor	Electronic air compressor	✓ E-Piston
	Steering Pump	Electric steering pump	✓
Chassis	Suspension	Air suspension	✓ ZF
	ECAS	WABCO	✓ WABCO
	Front Axle	RL82EC disc brake	✓ ZF
	Rear Axle	AVE130 disc brake	✓ ZF
	Tag axle	RL82A	✓ ZF
	Tire	305/70R22.5	✓ Michelin
	Rim	Aluminum 8.25 x22.58.25 x 22.5	✓ Alcoa
	Steering System	Hydraulic power steering THP-90671	✓ ZF
	Braking system	WABCO EBS braking system	✓ WABCO
	Safety and Electrics	ADAS	Lane departure warning system
Dashboard		ACTIA	✓ ACTIA
Camera System		Reversing cameras and buzzer	✓
Exterior Lamps		Hella	✓ Hella
LV Battery		2x100Ah, maintenance free	✓
A/C		Valeo A/C	✓ Valeo
Floor heater		Driver's area heating	✓
Fire Extinguisher		HV compartment	✓
Demister		PTC heater	✓
Body		Body Structure	Monocoque U-hoop structure, imported stainless steel
	Body Style	Ultra-low floor	✓
	Wheelchair Ramp	DDA compliant manual flip ramp	✓
	Side Window	Tempered glass	✓
	Floor Leather	Gerflor	✓ Gerflor
	Floor	Composite flooring	✓
	Destination Sign	Front / rear / side	✓
	Rear-view Mirror	Camera mirrors	Optional
	Front Service Door	Double inward glider	✓ Ventura
	Middle Service Door	Double sliding plug door	✓ Ventura
	Driver Seat	Air ride drivers seat with seatbelt	✓ Ventura
	Passenger Seat	Fainsa, fabric	Optional Fainsa
	USB ports	In passenger area	Optional
	Wiper	Dual Arm	Optional
	Bell Press System	Wireless	Optional Doga
	Hand poles	Powder coated alloy handrail	Optional

