

FC120DD

Double-decker bus city bus



Internal layout



FC120DD specifications

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

FC120DD specifications continued

	Description	Standard	Component Brand
Power System	Traction Battery	105.3 kWh	✓ CATL
	Hydrogen Fuel Cell	80kW	✓ Ballard
	Drive Motor	AVE130	✓ ZF
	Controller	All in one	✓
	Hydrogen Tanks	700BAR - 3*364L /43.8Kg (350BAR optional)	✓ Hexagon
	Air Compressor	Electronic air compressor	✓ KTC
	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	✓ Mobileye
	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 structure, imported stainless steel	✓
	Body Style	Ultra-low floor	✓
	Wheelchair Ramp	DDA compliant manual flip ramp	✓ Ventura
	Side Window	Tempered glass	✓
	Floor Covering	Gerflor	✓ Gerflor
	Floor	Composite flooring	✓
	Destination Sign	Front / rear / side	✓ AngelTraxx
	Rear-view Mirror	Camera mirrors	✓ AngelTraxx
	Front Service Door	Double inward glider	✓ Ventura
	Middle Service Door	Double sliding plug door	✓ Ventura
	Driver Seat	Air ride drivers seat with seatbelt	✓ ISRI
	Passenger Seat	Fainsa, fabric	✓ Fainsa
	USB ports	In passenger area	Optional
	Wiper	Dual Arm	Optional Doga
	Bell Press System	Wireless	Optional
	Hand poles	Powder coated alloy handrail	Optional

