

CITYBUS H2-TECH

The hydrogen minibus



Renault
Group



Hydrogen by PVI



Hydrogen Citybus 4,5T

15 passengers – Flat & low floor @ 250mm

Autonomy up to 300 km – H2 Refuelling in 5min



No CO₂ emission / low noise emission

Regenerative braking / Connected vehicle / Electric AC

CITYBUS H2-TECH

The hydrogen minibus



**Renault
Group**

Dimensions & Configuration

Length	6 225 mm
Cabin width with/without mirrors	2 470 / 2 070 mm
Height	2 750 mm
Front overhang	869 mm
Wheelbase	4 332 mm
Rear overhang	1 040 mm
Floor height Front/Rear	250/350 mm
Internal height Front/Rear	1 900/1 800 mm
Ground clearance	170 mm
Internal width	1 765 mm
Total turning radius	16,2 m
Turning radius between sidewalk	15,7 m
Suspensions Front/Rear	mechanical with Independent wheels
Types Front/Rear	235/75 R16
9 seated passengers + 6 standing passengers + driver	
7 seated passengers + 4 standing passengers + 1 wheelchair + driver	
Specific wide windows for passengers	
Electric plug 32A	
Hydrogen refuelling plug @350b compatible 700b (max flow 60g/sec)	

Powertrain & H2 system & Weight & Performances

Type	Traction
Electric motor	Renault
Power / Torque	57 kW / 225 Nm
Lithium-Ion battery capacity	33 kWh
Battery voltage	400 V
Onboard charger	7 kW
Fuel Cell power	30 kW
Embedded hydrogen	4,5 kg
H2 tank pressure	350b
GVW	4 500 kg
Front axle capacity (min / max)	1 650 kg / 1 850 kg
Rear axle capacity (min / max)	1 500 kg / 2 800 kg
Payload	1 050 kg
Vehicle range	up to 300 km
H2 refuelling time	5 min
Max battery charging time	5 hours
Max speed	70 km/h
H2 consumption (without A/C & Heating system)	2 kg H2/ 100 km
Max slope starting capacity (Empty/GVW)	20% / 15%

Basic equipment

- ABS / Drivers airbag / ESP
- Double electric sliding door with anti-pinch system
- Specific area for the front destination sign
- Suspended driver seat
- Hill start system
- Electric heating system for driver & passengers
- Driver's air conditioning system
- Heated rear-view mirror
- Onboard computer & Radio R&GO
- Fog maker system
- Bus stopping sign
- Roof mounted continuous lighting strips
- Manual flip ramp to side entrance
- Specific wheelchair area
- Non slip vinyl walkway floor covering TBC
- Charging cable 32A - 6m

Options

- Additional air conditioning system for passengers
- Anti-fog lights
- Reverse camera & radar
- Destination signs (Front + lateral + rear)
- Electrical predispositions
- Passengers counting system
- Control video system
- Internal screen for passengers
- Extended audio system
- Passenger ticketing system
- Bicycle alarm system
- USB kit for passengers
- FMS plug
- Driver's glass protection & Cash drawer
- Specific covering or painting
- Tachograph & Breathalyzer



NOTA : Pictures and figures are given just for information