



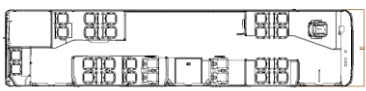


HABAŞ SINAİ VE TIBBİ GAZLAR  
İSTİHSAL ENDÜSTRİSİ A.Ş.

ComfortCity-H<sub>2</sub>

## FUEL CELL 12 M. CITY BUS

### Technical Datasheet

ENGINE	
Make / model	VOITH HD
Type	IPMSM Electric
Max. Power	410 kW
Max. Torque	3100 Nm
BATTERY SYSTEM	
Battery Make / Type	HABAS / LFP
Battery Capacity	140 kWh
HYDROGEN SYSTEM	
Capacity of the tanks	1424 lt.
Capacity of hydrogen	35 kg.
Fuel Cell Capacity kW	80 kW
AXLES	
Front Axle Type, Capacity	ZF RL 82A, 8.200 kg
Rear Axle Type, Capacity	ZF AV133/87, 13.000 kg
Axle Ratio	5.30
SUSPENSION	
Front Axle	Air Springs(2), Shock Absorbers (2)
Rear Axle	Air Springs(4), Shock Absorbers (4)
	Kneeling
STEERING	
Make/ Model	HEMA / 8098
Type	Servocom, hydraulic
BRAKES	
Type of Brake System	Disc Brakes (front&rear) EBS,ESC, ASR, Spring Parking Brake-Rear Axle, Regenerative Brake
TYRES	
Size	275/70 R 22,5
Quantity	6
Rims	8.25x22.5"
ELECTRIC SYSTEM	
Battery	2x12V 240 Ah
CAPACITY	
Passenger	90 (26+64)
Max. Permissible Weight	19.500 kg
BODY	
Type	Stainless Steel, Monocoque
DIMENSIONS	
A: Wheelbase	5900 mm
B: Front Overhang	2777 mm
C: Rear Overhang	3203 mm
D: Overall Length	11880 mm
E: Overall Width	2520 mm
F/G: Overall Height (with A/C,	3100 - 2800 mm
H: Front Track	2090 mm
I: Rear Track	1840 mm
Approach Angle / Ramp / Clea	7 / 6 / 7



STANDARD FEATURES
A/C (32 kW)
Stainless Steel Body & Chassis
Kneeling System
EBS / ABS / ASR / ESC / ESP
Electronic Cluster
Multiplex System
Wheelchair Access Ramp
Audio Station + 4 speakers
Tachograph
LED Day Time Running Lamps
Longitudinally & Vertically Adjustable Steering
LED Illumination
Driver Cabin
Pneumatic & Longitudinal Adjustable Driver Seat
Plastic + Textile Passenger Seats
Tinted Glass
Heated Driver's Side Window
Heated Front Door Glazing
Electrically Operated & Heated Side Mirrors
Rearview Camera
Interior Camera
Digital Destination Boards
USB Sockets
OPTIONAL FEATURES
A/C for Driver Cabin
Remote Control for Front Door
Independent Heating System
Heated Windshield
Double Glazed Side Windows
LCD Monitor
Passenger Information System (Audio / Video)
Camera Monitored Side Mirrors (CMS)
Passenger Counting System
Electrically Controlled Roof Hatch
Tyre Pressure Monitoring System (TPMS)
Parking Sensor
Automatic Fuses
Alloy Rims
Spare Tyre