



Customer Information

Vehicle Configuration	
<i>VIN:</i> VEH-1234567890	<i>Vehicle Category:</i> M3
<i>Axle Configuration:</i> 4x2	<i>TPMLM:</i> 3500 kg
<i>Total Propulsion Power:</i> 700 kW	<i>Vehicle Group:</i> 32e
<i>CO2 Standards Group:</i> 32-DD	
Manufacturing Step 1:	
<i>Manufacturer:</i> TU Graz	
<i>Address:</i> Inffeldgasse 19	
Manufacturing Step 2:	
<i>Manufacturer:</i> Some Manufacturer	
<i>Address:</i> Some Manufacturer Address	
Manufacturing Step 3:	
<i>Manufacturer:</i> Some Manufacturer	
<i>Address:</i> Some Manufacturer Address	
<i>Model:</i> Sample Bus Model	<i>Corrected Actual Mass:</i> 500 kg
<i>ZEV:</i> yes	<i>HE HDV:</i> no
<i>Class Bus:</i> II+III	<i>Nbr. of Passengers:</i> 24
<i>Type Approval Nbr.:</i> ASDF	<i>FCHV Architecture:</i> F2
<i>Off Vehicle Chg.:</i> yes	<i>Dynamic Charging Tech.:</i> Wireless
<i>Fuelcell Total Rated Power:</i> 15 kW	<i>Total Storage Cap:</i> 461 kWh
<i>Usable Storage Cap:</i> 368 kWh	
Electric Machine System	
<i>Total Rated Propulsion Power:</i> 700 kW	
EM Voltage Levels	
<i>Voltage Level (std. value)</i>	
<i>Max. Cont. Power:</i> 88 kW	
<i>Transmission Values:</i> Standard values	<i>Transmission Type:</i> AMT
<i>Nbr. Gears:</i> 12	<i>Retarder:</i> yes
<i>Axlegear Ratio:</i> 2.590	<i>Average RRC:</i> 0.0060
Advanced Driver Assistant Systems	
<i>PCC:</i> yes	
Axle 1	Axle 2
<i>Dimension:</i> 315/70 R22.5	<i>Dimension:</i> 315/70 R22.5
<i>Fuel Eff. Class:</i>	<i>Fuel Eff. Class:</i>
<i>Certification Nbr:</i> e12*0815/8051*2017/05E0000*00	<i>Certification Nbr:</i> e12*0815/8051*2017/05E0000*00
Steering Pump(s)	Pneumatic System
<i>Technology:</i> Electric driven pump	<i>Smart Reg. System:</i> yes
HVAC	
<i>SystemConfiguration:</i> 6	
<i>Fuel Fired Heater Pwr.:</i> 50 kW	
<i>Double Glazing:</i> yes	

Signature Input Data Primary Vehicle	
<i>Digest Value:</i>	Hv7hjTRDp4sAaX676zezO00CNjw8gPp34B5asY9CJog=

Signature Manufacturer Record File Primary Vehicle

Digest Value: 9TU0XDQHNBhT3jX8YvNUwOdWlE8d7rR5vGVqnoNmC0M=

Signature Input Data Complete(d) Vehicle

Digest Value: n4zfJejl0ckV3PLG1mDt5IKm9GIO+7mxd4gJlsXiqBg=

Signature Manufacturer Record File Complete(d) Vehicle

Digest Value: s+b9CXPXBKf4qquOdjOE9V8y7XJ65Hvnk3DLwXJo9dg=

Simulation Status: Success

Mission Profile: Interurban

Total Vehicle Mass: 1326 kg

Mass Passengers: 826 kg

Passenger Count: 11.64

Charge Depleting Mode

Average Speed: 30.0 km/h

Fuel: H2 FC

Fuel cons.: 0.0 g/km

Fuel cons.: 0.0 g/p-km

Fuel cons.: 0.0 MJ/km

Fuel cons.: 0.0 MJ/p-km

Electric Energy

Energy cons.: 1.853 kWh/km

Energy cons.: 0.1592 kWh/p-km

Energy cons.: 6.670 MJ/km

Energy cons.: 0.5730 MJ/p-km

Electric Ranges (begin of life)

RCDA¹: 209.1 km

EAER³: 209.1 km

ZCER²: 209.1 km

Electric Ranges (end of life)

RCDA¹: 188.2 km

EAER³: 188.2 km

ZCER²: 188.2 km

Charge Sustaining Mode

Average Speed: 30.0 km/h

Fuel: H2 FC

Fuel cons.: 1033.3 g/km

Fuel cons.: 88.77 g/p-km

Fuel cons.: 124.0 MJ/km

Fuel cons.: 10.65 MJ/p-km

Electric Ranges

ZCER²: 0.968 km

Hydrogen range: 0.968 km

Mission Profile: Interurban

Total Vehicle Mass: 2204 kg

Mass Passengers: 1704 kg

Passenger Count: 24.00

Charge Depleting Mode

Average Speed: 30.0 km/h

Fuel: H2 FC

Fuel cons.: 0.0 g/km

Fuel cons.: 0.0 g/p-km

Fuel cons.: 0.0 MJ/km

Fuel cons.: 0.0 MJ/p-km

Electric Energy

Energy cons.: 1.853 kWh/km

Energy cons.: 0.07720 kWh/p-km

Energy cons.: 6.670 MJ/km

Energy cons.: 0.2779 MJ/p-km

Electric Ranges (begin of life)

*RCDA*¹: 209.1 km

*EAER*³: 209.1 km

*ZCER*²: 209.1 km

Electric Ranges (end of life)

*RCDA*¹: 188.2 km

*EAER*³: 188.2 km

*ZCER*²: 188.2 km

Charge Sustaining Mode

Average Speed: 30.0 km/h

Fuel: H2 FC

Fuel cons.: 1033.3 g/km

Fuel cons.: 43.06 g/p-km

Fuel cons.: 124.0 MJ/km

Fuel cons.: 5.167 MJ/p-km

Electric Ranges

*ZCER*²: 0.968 km

Hydrogen range: 0.968 km

Mission Profile: Coach
Total Vehicle Mass: 1342 kg
Mass Passengers: 842 kg
Passenger Count: 11.85

Charge Depleting Mode

Average Speed: 30.0 km/h

Fuel: H2 FC

Fuel cons.: 0.0 g/km
Fuel cons.: 0.0 g/p-km
Fuel cons.: 0.0 MJ/km
Fuel cons.: 0.0 MJ/p-km

Electric Energy

Energy cons.: 1.853 kWh/km
Energy cons.: 0.1563 kWh/p-km
Energy cons.: 6.670 MJ/km
Energy cons.: 0.5628 MJ/p-km

Electric Ranges (begin of life)

*RCDA*¹: 209.1 km
*EAER*³: 209.1 km
*ZCER*²: 209.1 km

Electric Ranges (end of life)

*RCDA*¹: 188.2 km
*EAER*³: 188.2 km
*ZCER*²: 188.2 km

Charge Sustaining Mode

Average Speed: 30.0 km/h

Fuel: H2 FC

Fuel cons.: 1033.3 g/km
Fuel cons.: 87.18 g/p-km
Fuel cons.: 124.0 MJ/km
Fuel cons.: 10.46 MJ/p-km

Electric Ranges

*ZCER*²: 0.968 km
Hydrogen range: 0.968 km

Mission Profile: Coach
Total Vehicle Mass: 1352 kg
Mass Passengers: 852 kg
Passenger Count: 12.00

Charge Depleting Mode

Average Speed: 30.0 km/h
Fuel: H2 FC
Fuel cons.: 0.0 g/km
Fuel cons.: 0.0 g/p-km
Fuel cons.: 0.0 MJ/km
Fuel cons.: 0.0 MJ/p-km

Electric Energy

Energy cons.: 1.853 kWh/km
Energy cons.: 0.1544 kWh/p-km
Energy cons.: 6.670 MJ/km
Energy cons.: 0.5558 MJ/p-km

Electric Ranges (begin of life)

*RCDA*¹: 209.1 km
*EAER*³: 209.1 km
*ZCER*²: 209.1 km

Electric Ranges (end of life)

*RCDA*¹: 188.2 km
*EAER*³: 188.2 km
*ZCER*²: 188.2 km

Charge Sustaining Mode

Average Speed: 30.0 km/h
Fuel: H2 FC
Fuel cons.: 1033.3 g/km
Fuel cons.: 86.11 g/p-km
Fuel cons.: 124.0 MJ/km
Fuel cons.: 10.33 MJ/p-km

Electric Ranges

*ZCER*²: 0.968 km
Hydrogen range: 0.968 km

Summary

Not applicable for OVC-FCHV

Application Information

VECTO Version: 5.0.7-DEV !!NOT FOR CERTIFICATION!!
Date: 2025-12-12T10:10:30.7607112Z

Customer Information File Signature

Digest Value: vNoqxN8ROvnqOARj2Ivatv1kV6GJdeb1uWI0f8vXwQ4=