LIFE CYCLE ASSESSMENT FACT SHEET

VW Polo
1.0 TSI petrol 4x2 manual

Vehicle Specifications

Green NCAP Publication Date
11 2020
Fuel
Petrol E10
Mass
1,132 kg
System Power/Torque
85 kW/200 Nm
Emissions Class
Euro 6d-Temp
Declared Battery Capacity
n.a.
Declared Electric Energy Consumption (With)
n.a.
Average | Best | Worst
Measured Electric Energy Consumption (Green NCAP Tests)
n.a.
Declared Fuel Consumption (WLTP)
0.71/100 km
Average | Best | Worst
Measured Fuel Consumption (Green NCAP Tests)
6.0 | 4.4 | 6.9 l/100 km

Process Chain - Petrol Powertrain

Primary Energy Demand

Energy Demand Contributions

Total: 208.0 g CO2-eq/km
- Production w/o Batt/FC: 32.7 g CO2-eq/km
- Battery Production: 0.0 g CO2-eq/km
- Fuel Cell Production: 0.0 g CO2-eq/km
- Maintenance: 7.0 g CO2-eq/km
- Fuel/Energy Supply: 45.5 g CO2-eq/km
- Tailpipe Emissions: 127.7 g CO2-eq/km
- Recycling: 3.8 g CO2-eq/km

Energy Source

Fossil: 88%
Renewable: 9%
Other: 3%

GHG Emission Contributions

Primary Energy Demand

Total GHG Emissions

Vehicle Life Cycle Average Emissions:
- Total: 208.0 (g CO2-eq/vehicle)
- Production w/o Batt/FC: 32.7 (g CO2-eq/vehicle)
- Battery Production: 0.0 (g CO2-eq/vehicle)
- Fuel Cell Production: 0.0 (g CO2-eq/vehicle)
- Maintenance: 7.0 (g CO2-eq/vehicle)
- Fuel/Energy Supply: 45.5 (g CO2-eq/vehicle)
- Tailpipe Emissions: 127.7 (g CO2-eq/vehicle)
- Recycling: 3.8 (g CO2-eq/vehicle)

Default Assessment Parameters

Country | Electricity Mix
EU Average

Annual Kilometers
15,000 km
Vehicle | Battery Lifetime
16 years
Slow | Quick Charging
n.a.

Greenhouse Gas (GHG) Emissions

Estimated Average GHG Emissions

GHG Emission Contributions

Total: 208.0 g CO2-eq/km
- Production w/o Batt/FC: 32.7 g CO2-eq/km
- Battery Production: 0.0 g CO2-eq/km
- Fuel Cell Production: 0.0 g CO2-eq/km
- Maintenance: 7.0 g CO2-eq/km
- Fuel/Energy Supply: 45.5 g CO2-eq/km
- Tailpipe Emissions: 127.7 g CO2-eq/km
- Recycling: 3.8 g CO2-eq/km

Energy Demand Contributions

Total: 0.83 kWh/km
- Production w/o Batt/FC: 0.12 kWh/km
- Battery Production: 0.0 kWh/km
- Fuel Cell Production: 0.0 kWh/km
- Maintenance: 0.0 kWh/km
- Fuel/Energy Supply: 0.70 kWh/km

Energy Source

Fossil: 88%
Renewable: 9%
Other: 3%