LIFE CYCLE ASSESSMENT FACT SHEET

Nissan Qashqai
1.3 DIGT petrol 4x2 manual

Vehicle Specifications

- **Green NCAP Publication Date**: 11 2020
- **Fuel**: Petrol E10
- **Mass**: 1,340 kg
- **System Power/Torque**: 103 kW/240 Nm
- **Emissions Class**: Euro 6d-Temp
- **Declared Battery Capacity**: n.a.
- **Declared Electric Energy Consumption (WLTP)**: n.a.
- **Average | Best | Worst**
  - **Measured Electric Energy Consumption (Green NCAP Tests)**: n.a.
- **Declared Fuel Consumption (WLTP)**: 7.1 l/100 km
- **Average | Best | Worst**
  - **Measured Fuel Consumption (Green NCAP Tests)**: 7.2 | 6.1 | 7.8 l/100 km
- **Life Cycle Assessment results calculated with Tool v2.1_2022 by FIA/JOANNEUM RESEARCH based on 240,000 lifetime kilometres for average European conditions.**

Process Chain - Petrol Powertrain

- **Primary Energy Demand**:
  - **Energy Demand Contributions**:
    - Road & Recycling: 13%
    - Battery Production: 0%
    - Fuel Cell Production: 0%
    - Fuel/Energy Supply: 88%
    - Maintenance: 3%
  - **Energy Source**:
    - Fossil: 88%
    - Renewable: 9%
    - Other: 3%

Greenhouse Gas (GHG) Emissions

- **Estimated Average GHG Emissions**:
  - **Total**: 249.3 [g CO2-equivalent/km]
  - **Production w/o Bat/FC**: 47%
  - **Battery Production**: 0%
  - **Fuel Cell Production**: 0%
  - **Maintenance**: 4%
  - **Fuel/Energy Supply**: 54.7 [g CO2-equivalent/km]
  - **Tailpipe Emissions**: 83.4 [g CO2-equivalent/km]
  - **Recycling**: 45 [g CO2-equivalent/km]

- **Total GHG Emissions**:
  - **Vehicle Life Cycle Average Emissions**:
    - 60 (±64)
  - 100 Fleet Best
  - 100 Fleet Worst
  - [tons CO2-equivalent/vehicle]

Primary Energy Demand

- **Estimated Average Energy Demand**:
  - **Total**: 1.00 [kWh/km]
  - **Production w/o Bat/FC**: 68%
  - **Battery Production**: 0%
  - **Fuel Cell Production**: 0%
  - **Maintenance**: 3%
  - **Fuel/Energy Supply**: 88%