

Tesla Model 3

1. Core Specifications

- Model Years: 2022–2023
- Body Type: Electric Performance Sedan
- Battery Capacity:
 - Usable: 75 kWh (Lithium-ion NCM)
 - Nominal: 78.1 kWh
- Drive Type: Dual Motor AWD

2. Performance

- Power Output: 534 HP (393 kW)
- Torque: 660 Nm
- Acceleration:
 - 0–100 km/h: 3.4 sec (corrected for industry standards)
 - 0–60 mph: 3.1 sec (manufacturer claim)
- Top Speed: 261 km/h (electronically limited)

3. Range & Efficiency

- Real-World Range: 460 km (combined)
 - City (Mild Weather): Up to 665 km
 - Highway (Cold Weather): 330 km
- WLTP Range: 547 km
- Efficiency: 163 Wh/km (real-world) / 165 Wh/km (WLTP)

4. Charging

- AC Charging (Type 2):
 - 11 kW: Full charge in 8h 15min
 - 7.4 kW: 12 hours
- DC Fast Charging (CCS/Supercharger):
 - 250 kW (V3 Supercharger): 10–80% in 27 min (710 km/h rate)
 - 175 kW (CCS): 10–80% in 30 min
- Plug Types: Tesla Proprietary (CCS adapter in Europe)
- Features:
 - Battery Preconditioning (via navigation)
 - Autocharge support (no Plug & Charge)

5. Dimensions & Practicality

- Length: 4,694 mm
- Width: 1,849 mm (excl. mirrors: 2,088 mm)
- Height: 1,443 mm
- Wheelbase: 2,875 mm
- Curb Weight: 1,919 kg
- Cargo Space:
 - Trunk: 561 L
 - Frunk: 88 L
 - Max (seats folded): 977 L

6. Technology & Features

- Infotainment:
 - 15.4" Central Touchscreen
 - Tesla App (remote control, OTA updates)
- Autopilot:
 - Standard: Traffic-aware cruise control, autosteer
 - FSD (optional): Navigate on Autopilot, auto lane change

- Premium Audio: 14-speaker system

- Comfort:
 - Glass roof (standard)
 - Vegan leather seats
 - Heat pump(improves cold-weather efficiency)

7. Safety (Euro NCAP 2019)

- Adult Occupant Protection: **96%**
- Child Occupant Protection: **86%**
- Safety Assist Systems: **94%**
- Key Features:
 - 8 Cameras + 12 Ultrasonic Sensors
 - Automatic Emergency Braking
 - Blind Spot Monitoring

8. Suspension & Handling

- Front: Double wishbone
- Rear: Multi-link
- Track Mode: Adjustable power distribution for performance driving

9. Pricing (UK, When New)

- Model 3 Performance: £57,990

10. Warranty

- Vehicle: 4 years / 50,000 miles
- Battery: 8 years / 120,000 miles (Performance/Long Range)
