Volvo C40 Recharge Extended Range 82 kWh (252 Hp) Single Motor 2022, 2023, 2024 Specs

General information

Brand Volvo

Model C40

Generation C40 Recharge

Modification (Engine) Extended Range 82 kWh (252 Hp) Single Motor

Start of production November, 2022 year

Powertrain Architecture BEV (Electric Vehicle)

Body type Coupe, SUV

Seats 5

Doors 5

Performance specs

Fuel Type Electricity

Acceleration 0 - 100 km/h 7.4 sec

Acceleration 0 - 62 mph 7.4 sec

Acceleration 0 - 60 mph (Calculated by Auto-Data.net) 7 sec

Maximum speed 180 km/h

111.85 mph

Weight-to-power ratio 8 kg/Hp, 124.7 Hp/tonne

Weight-to-torque ratio 4.8 kg/Nm, 207.8 Nm/tonne

Electric cars and hybrids specs

Gross battery capacity 82 kWh

Net (usable) battery capacity 78 kWh

Battery voltage 400 V

Battery technology Lithium-ion (Li-Ion)

Battery location Below the floor

All-electric range (WLTP) 507-534 km

315.04 - 331.81 mi

Average Energy consumption (WLTP) 16.7-17.5 kWh/100 km

26.88 - 28.16 kWh/100 mi

125 - 120 MPGe

6 - 5.7 km/kWh

3.7 - 3.6 mi/kWh

Electric motor 1

Electric motor power 252 Hp

Electric motor Torque 420 Nm

309.78 lb.-ft.

Electric motor location Rear axle, Transverse

Electric motor type Synchronous

System power 252 Hp

System torque 420 Nm

309.78 lb.-ft.

Space, Volume and weights

Kerb Weight 2021 kg

4455.54 lbs.

Max. weight 2500 kg

5511.56 lbs.

Max load 479 kg

1056.01 lbs.

Trunk (boot) space - minimum 413 l

14.58 cu. ft.

Trunk (boot) space - maximum 1205 l

42.55 cu. ft.

Max. roof load 75 kg

165.35 lbs.

Permitted trailer load with brakes (12%) 1500 kg

3306.93 lbs.

Permitted trailer load without brakes 750 kg

1653.47 lbs.

Permitted towbar download 100 kg

220.46 lbs.

Dimensions

Length 4440 mm

174.8 in.

Width 1873 mm

73.74 in.

Width including mirrors 2034 mm

80.08 in.

Height 1591 mm

62.64 in.

Wheelbase 2702 mm

106.38 in.

Front track 1598 mm

62.91 in.

Rear (Back) track 1603 mm

63.11 in.

Front overhang 870 mm

34.25 in.

Rear overhang 868 mm

34.17 in.

Ride height (ground clearance) 171 mm

6.73 in.

Drivetrain, brakes and suspension specs

Drivetrain Architecture One electric motor drives rear wheels.

Drive wheel Rear wheel drive

Number of gears and type of gearbox 1 gears, automatic transmission

Front suspension Independent, type McPherson with coil spring and anti-roll bar

Rear suspension Independent multi-link spring suspension with stabilizer

Front brakes Ventilated discs

Rear brakes Ventilated discs

Assisting systems ABS (Anti-lock braking system)

Steering type Steering rack and pinion

Power steering Electric Steering

Tires size Front wheel tires: 235/50 R19

Rear wheel tires: 255/45 R19

Wheel rims size Front wheel rims: 19

Rear wheel rims: 19