



Volvo ES90 Single Motor Extended Range (2025-...) (Europe)

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General Info

Years of Production	2025 -
Market Availability	EU, USA
Country of Manufacture	China
Current Status	Announced
Body Style	Liftback
Price Europe (New/Used)	€71990/No data

Range and Efficiency

Range EPA	547 km
Range WLTP	650 km
Range GCC	536 km
Battery (Usable/Nominal)	88/92 kWh
Efficiency (Energy/Range)	16.4 kWh/100 km
Efficiency (Range/Energy)	6.09 km/kWh

Charging

Architecture	800 V
Max AC Charging	11 kW
Max DC Charging	300 kW (175 kW at 400 V)
Charge Port	CCS Type 2

Performance

Drive Type	RWD PMSM
Motor (Power/Torque)	245 kW (333 hp)/480 Nm
Acceleration 0-100 km/h	6.9 s
Top Speed	180 km/h

Dimensions

Length	5000 mm
Width (with Mirrors/no Mirrors)	2120/1942 mm
Height	1547 mm
Wheelbase	3102 mm

Cargo and Towing

Number of Seats	5
Curb Weight	2366 kg
Cargo Volume (Trunk/Max/Frunk)	446/1256/22 l
Towing Capacity	1600 kg

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About Volvo ES90 Single Motor Extended Range (2025-...)

Overview

The 2025 Volvo ES90 Single Motor is poised to shake up the premium electric liftback scene, blending classic Scandinavian elegance with cutting-edge EV tech. As Volvo's sleek new electric flagship, this rear-wheel-drive stunner aims to deliver a compelling mix of luxury, space, and impressive range. It's not just a pretty face; it's packed with Volvo's renowned safety and sustainable materials. Announced with an anticipated EU price around €71,990, it's gunning for established players, offering a sophisticated alternative for those craving a refined, eco-conscious driving experience. This could be the discerning driver's next big thing.

What's New for 2025?

The ES90 Single Motor bursts onto the scene in 2025 as an entirely new nameplate, marking Volvo's latest charge into the premium EV segment. Built on the advanced SPA2 platform, shared with the EX90 SUV, it brings fresh design language and tech to the saloon/liftback category. Key innovations include its 800V battery architecture for super-fast charging, a Google-based infotainment system for seamless connectivity, and a strong emphasis on sustainable interior materials. It's a ground-up EV, designed to spearhead Volvo's electric future, offering a distinct flavour from its petrol-powered S90 ancestor.

Design & Exterior

The Volvo ES90 Single Motor boasts a seriously sleek liftback silhouette, oozing minimalist Scandinavian cool. Expect crisp lines, a closed-off grille for aerodynamic prowess, and Volvo's signature "Thor's Hammer" LED headlights giving it an unmistakable face. This trim rolls on stylish alloys designed to cheat the wind. Dimensionally, it's a substantial machine, measuring 5000 mm in length, 1942 mm in width (excluding mirrors), and 1547 mm in height, promising a commanding presence on the road. It's elegant, modern, and every bit a premium Volvo, assembled in China.

Interior, Tech & Cargo

Step inside the ES90 Single Motor and you're greeted by a cabin that's pure Scandi-chic: think high-quality, sustainable materials, and an airy, uncluttered design for its 5 seats. Comfortably seating five, it promises generous passenger space. Tech-wise, a large, portrait-oriented central touchscreen running Google built-in is the star, handling infotainment, with Apple CarPlay and Android Auto likely standard. For your luggage, there's a 446-litre boot, expanding to a massive 1256 litres with the seats down, plus a handy 22-litre frunk under the bonnet for charging cables.

Performance & Driving Experience

The ES90 Single Motor features a potent Permanent Magnet Synchronous Motor (PMSM) driving the rear wheels, kicking out a healthy 245 kW and 480 Nm of instant torque. This translates to a brisk 0-100 km/h dash in just 6.9 seconds, with a top speed electronically limited to 180 km/h. Expect a typically Volvo driving experience: smooth, refined, and effortlessly powerful, prioritising serene cruising over track-day heroics. Multiple regenerative braking modes, including one-pedal driving, will enhance efficiency and ease of use in city traffic.

Range, Battery & Charging

This ES90 Single Motor packs an 88 kWh usable battery, delivering a Green Cars Compare estimated real-world range of a very useful 536 km. That's serious touring potential, with an impressive efficiency of 6.09 km/kWh! For top-ups, the standard 11 kW on-board AC charger via its CCS Type 2 port will handle overnight charges. But the real party trick is its 800V architecture, allowing it to gulp down DC juice at up to a blistering 300 kW (or 175 kW on 400V chargers). This means ultra-rapid charging stops.

Safety & Driver-Assistance Features

Being a Volvo, the ES90 Single Motor is expected to be a fortress on wheels, though an official Euro NCAP rating is still pending for this 2025 model. You can bet it'll come loaded with Volvo's latest safety tech. Expect the "Pilot Assist" system, which combines adaptive cruise control and lane-keeping aid, to be standard. Comprehensive collision avoidance systems, blind-spot monitoring, cross-traffic alert, and a full suite of airbags will undoubtedly feature, reinforcing Volvo's legendary commitment to protecting occupants and other road users. Its sibling, the EX90, achieved a 5-star Euro NCAP rating.

Warranty & Maintenance Coverage

Volvo typically offers strong peace of mind in Europe for its EVs. For the new ES90 Single Motor, expect a comprehensive vehicle warranty, likely around 3 years or 100,000 km, covering most components. The crucial 92 kWh nominal battery pack will probably get an 8-year or 160,000 km warranty, guaranteeing a minimum percentage of its original capacity (often 70%). Powertrain elements are usually covered under the main vehicle warranty. Maintenance on EVs is generally lower than petrol cars, but check for any complimentary servicing deals offered at launch.

How powerful is it? How fast does it accelerate?

The Volvo ES90 Single Motor Extended Range (2025-...) achieves a 0 to 60 mph acceleration in 6.6 seconds (placing it at [Nº50 out of 118 ranked positions](#), among 953 electric vehicles, with some cars sharing positions) and attains a maximum speed of 112 mph.

Its powertrain provides a power output of up to 245 kW (333 hp) and a torque of 354 lb-ft.

How far can it go on single charge? What is the real-world range?

Volvo ES90 Single Motor Extended Range (2025-...) achieves a real-world range of 333 miles, placing it at [Nº43 among 264 ranked positions](#). However, this range is subject to several influences:

- Speed: Traveling at higher speeds reduces battery life.
- Temperature: Extreme cold or hot weather can affect range.
- Terrain: Hilly or mountainous landscapes decrease range.
- Driving habits: Aggressive driving with frequent acceleration and braking consumes more energy.
- Feature usage: Climate control and media systems also influence range.

It's important to acknowledge that these are estimations, and your actual driving range may differ. Consider these factors when planning your trip and be ready for potential charging stops.

Utilize the [interactive EV Navigation map](#) for trip planning assistance.

What charging options are available? How long does it take to

charge it?

The Volvo ES90 Single Motor Extended Range (2025-...) in the USA comes with a CCS Type 1 charging port. It can be charged at home using a standard domestic socket or at any public AC charging station with the compatible cable. It's important to note that the car's on-board charger (inverter) limits the maximum AC charging rate to 11 kW, resulting in approximately 37 miles of range added per hour of charging.

For significantly faster charging, public DC fast-charging stations are available. Although the car can achieve a maximum DC charging rate of 300 kW, factors such as battery temperature and charge level may affect the actual charging speed.

Use [EV Charging Calculator](#) to estimate charging time, rate, and cost.

How big is it? What are the dimensions (length, width, height)?

The size and weight specifications for Volvo ES90 Single Motor Extended Range (2025-...) are as follows:

- Length: 196.9 in
- Width: 83.5 in (including side mirrors) or 76.5 in (excluding side mirrors)
- Height: 60.9 in
- Wheelbase: 122.1 in (distance between the center of the front and rear wheels)
- Curb weight: 5216 lbs (weight of the empty car, no people or cargo)

How much cargo space does it offer? Does it have a front trunk?

The rear cargo area of the Volvo ES90 Single Motor Extended Range (2025-...) provides 15.8 cubic feet of space when the rear seats are upright ([Nº100 out of 163 ranked positions](#), among 953 electric vehicles, with some cars sharing positions).

Folding these seats down unlocks a maximum cargo capacity of 44.4 cubic feet ([Nº135 out of 197 ranked positions](#), among 953 electric vehicles, with some cars sharing positions).

In addition, the car has a frunk, a front compartment with 0.8 cubic feet dedicated to smaller items.

Is it suitable for towing? What is the maximum towing capacity?

The Volvo ES90 Single Motor Extended Range (2025-...) is officially rated to tow 3527 lbs. This applies to trailers equipped with brakes.

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