



Volvo ES90 Twin Motor (2025-...) (Europe)

[Car Page ↗](#)

[Charging ↗](#)

[FAQs ↗](#)

[Video Reviews ↗](#)

General Info

Years of Production	2025 -
Market Availability	EU, USA
Country of Manufacture	China
Current Status	Announced
Body Style	Liftback
Price Europe (New/Used)	€88990/No data

Range and Efficiency

Range EPA	595 km
Range WLTP	700 km
Range GCC	580 km
Battery (Usable/Nominal)	102/106 kWh
Efficiency (Energy/Range)	17.6 kWh/100 km
Efficiency (Range/Energy)	5.69 km/kWh

Charging

Architecture	800 V
Max AC Charging	11 kW
Max DC Charging	350 kW (175 kW at 400 V)
Charge Port	CCS Type 2

Performance

Drive Type	AWD PMSM (front), PMSM (rear)
Motor (Power/Torque)	330 kW (449 hp)/670 Nm
Acceleration 0-100 km/h	5.5 s
Top Speed	180 km/h

Dimensions

Length	5000 mm
Width (with Mirrors/no Mirrors)	2120/1942 mm
Height	1546 mm
Wheelbase	3102 mm

Cargo and Towing

Number of Seats	5
Curb Weight	2553 kg
Cargo Volume (Trunk/Max/Frunk)	446/1256/22 l
Towing Capacity	2000 kg

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About Volvo ES90 Twin Motor (2025-...)

Overview

The 2025 Volvo ES90 Twin Motor storms in as Volvo's new flagship electric saloon, ready to take on the premium EV segment. This all-wheel-drive stunner promises a potent blend of Scandinavian luxury, cutting-edge tech, and impressive electric performance. With its announced new price of €88,990 in Europe, the ES90 Twin Motor highlights include a substantial 102 kWh battery, an 800-volt architecture for rapid charging, and a spacious, sustainably-focused interior. It's shaping up to be a seriously compelling long-range cruiser for the discerning EV buyer.

What's New for 2025?

The ES90 is an entirely new chapter for Volvo, launching in 2025 as their top-tier electric sedan, effectively succeeding the S90. Built on Volvo's advanced SPA2 platform, shared with the EX90 SUV, it's electric from the ground up. Key advancements include the introduction of an 800-volt electrical system, enabling blistering fast DC charging speeds previously unseen in Volvo saloons. Expect the latest iteration of Volvo's safety systems and Google-based infotainment, making this a tech-forward entry into the luxury EV space. This "Twin Motor" variant represents a high-performance, all-wheel-drive option from launch.

Design & Exterior

The ES90 Twin Motor boasts a sleek, aerodynamic liftback silhouette that screams modern Scandinavian cool, stretching an impressive 5000 mm in length, 1942 mm in width, and standing 1546 mm tall. Expect Volvo's signature "Thor's Hammer" LED headlights to make a bold statement, complemented by clean lines and likely flush door handles for that super slippery look. While specific wheel designs for the Twin Motor are yet to be detailed, anticipate a premium and sporty touch. This is a big, imposing machine designed to turn heads and cleave through the air efficiently.

Interior, Tech & Cargo

Step inside the ES90 Twin Motor and you'll find a sanctuary of minimalist luxury, championing sustainable materials and exquisite craftsmanship. With a generous 3102 mm wheelbase, the 5-seater cabin offers ample room for passengers to stretch out. Dominating the dash will be a large, tablet-style infotainment screen running Google's Android Automotive OS, offering seamless integration and voice control. Luggage space is practical too, with a 446-litre boot expanding to 1256 litres with seats down, plus a handy 22-litre frunk for charging cables or smaller items.

Performance & Driving Experience

The ES90 Twin Motor isn't just about looks; it packs a serious punch! With dual PMSM motors delivering a combined 330 kW and a hefty 670 Nm of torque to all four wheels, this luxurious liftback rockets from 0-100 km/h in a brisk 5.5 seconds. Top speed is electronically limited to 180 km/h. Expect a supremely refined and quiet ride, prioritising comfort, but with instant, effortless acceleration on tap. Volvo's chassis tuning should provide secure, confidence-inspiring handling, paired with effective regenerative braking for one-pedal driving potential.

Range, Battery & Charging

Under the floor, the ES90 Twin Motor houses a substantial 102 kWh usable battery pack, delivering a Green Cars Compare estimated real-world range of around 580 kilometres – plenty for those long continental drives. Energy consumption is rated at an efficient 5.69 km/kWh. Thanks to its 800V architecture, DC fast charging via the CCS Type 2 port is mega, peaking at a whopping 350 kW, meaning significant range can be added in minutes. Standard AC charging is a healthy 11 kW, replenishing the battery overnight. V2L capability is also anticipated.

Safety & Driver-Assistance Features

Volvo's reputation for safety is legendary, and the ES90 Twin Motor will undoubtedly be packed with advanced tech. While official Euro NCAP ratings are pending for this announced model, expect it to aim for a top five-star score. Standard kit should include Volvo's comprehensive suite of driver aids: Pilot Assist for semi-autonomous driving, blind-spot monitoring, rear cross-traffic alert, and sophisticated collision avoidance systems, potentially enhanced by LiDAR technology similar to the EX90, offering next-level perception for even greater peace of mind on European roads.

Warranty & Maintenance Coverage

Volvo typically offers a solid warranty package in Europe. Expect the ES90 Twin Motor to come with a basic vehicle warranty of around 3 years or 100,000 kilometres. Crucially for an EV, the high-voltage battery and electric motors are usually covered for a longer 8 years or 160,000 kilometres, often with a guarantee against excessive capacity loss (e.g., retaining at least 70%). Maintenance needs are generally lower for EVs, but some Volvo markets may include complimentary servicing for the initial years, contributing to overall peace of mind.

How powerful is it? How fast does it accelerate?

The Volvo ES90 Twin Motor (2025-...) can accelerate from 0 to 60 mph in 5.3 seconds ([Nº37 out of 118 ranked positions](#), among 953 electric vehicles, with some cars sharing positions) and reach a top speed of 112 mph.

The car's powertrain delivers up to 330 kW (449 hp) of power and 494 lb-ft of torque.

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

Real-world range of the Volvo ES90 Twin Motor (2025-...) is 360 miles ([Nº29 out of 264 ranked positions](#), among 953 electric vehicles, with some cars sharing positions) — depending on several factors, including:

- Speed: Higher speeds deplete the battery faster.
- Temperature: Extreme cold and hot weather impacts range.
- Terrain: Hilly or mountainous terrain reduces range.
- Driving style: Aggressive driving with frequent acceleration and braking consumes more energy.
- Use of features: Features like climate control and media system also affect range.

It's important to remember that these are just estimates, and your actual range may vary. It's always best to factor in these various factors when planning your trip and be prepared for potential charging stops.

Plan your trips using the [EV Navigation interactive map](#).

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

In the USA Volvo ES90 Twin Motor (2025-...) has a CCS Type 1 charge port.

- You can charge it at home using a standard domestic socket or plug into any public AC charging station using the right cable. Keep in mind that the car's on-board charger (inverter) limits the maximum AC charging rate to 11 kW, which translates to approximately 35 miles of range added per hour of charging.
- For quicker charging, consider using a compatible DC fast-charging station. The car boasts a maximum charging rate of 350 kW, but remember that battery temperature and charge level can influence the actual speed you'll experience.

Estimate charging time, rate and cost using [EV Charging Calculator](#).

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

Here are the dimensions and weight for the Volvo ES90 Twin Motor (2025-...):

- 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: 5628 lbs (weight of the empty car, no people or cargo)

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

Here's a breakdown of the Volvo ES90 Twin Motor (2025-...) cargo space:

- Trunk capacity: With the rear seats up, you get 15.8 cubic feet of cargo space in the back ([Nº100 out of 163 ranked positions](#), among 953 electric vehicles, with some cars sharing positions).
- Max cargo capacity: Fold down the rear seats, and you open up 44.4 cubic feet of total cargo space ([Nº135 out of 197 ranked positions](#), among 953 electric vehicles, with some cars sharing positions).
- Frunk capacity: The front trunk is called a "frunk", and it offers an additional 0.8 cubic feet for storing small items.

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

The Volvo ES90 Twin Motor (2025-...) has a towing capacity (braked) of up to 4409 lbs (maximum weight the car can tow safely with a trailer that has its own brakes).

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