

PIPISTREL 



VELIS
ELECTRO

Electric is Now

The Velis Electro is the greenest way of learning to fly. Pipistrel engineers are pioneers in alternative propulsion and the company's electric journey started in 2007 with the world's first two-seat electric aircraft, the Taurus Electro.

Today, the Velis Electro is the first ever type-certified, electric-powered aircraft fully approved for pilot training in Day VFR operations in more than 30 countries. Pilots will enjoy ease of operation with an intuitive powertrain and impressive ergonomics.

The Velis Electro is part of the Velis family of aircraft with more than 15 years of Pipistrel expertise in electric flight.

Clean and Quiet

The Velis Electro produces zero emissions during operation and with noise levels of only 60 dBa, is ultra-quiet both on the inside and outside. Both a revolution in sustainable flight and a game changer for ease of operation, the future is here and the Velis Electro has set the standard.

Innovation and Engineering-Driven Design

The Velis Electro was designed to be simple to operate and maintain with no compromising. Power comes from Pipistrel's own type-certified electric engine, the E-811, producing 57.6 kW from a 345 VDC electric system and in-house developed dual battery system. This revolutionary powertrain is entirely liquid cooled, can be charged through the on-board charging port with an external charger and has demonstrated high levels of reliability.

EFFICIENCY IS STANDARD

Revolutionary, game changing ease of operation and the most sustainable way to fly producing zero emissions during flight and eliminating fuel costs with no fuel burn.

QUIET ON THE INSIDE AND OUTSIDE

At just 60 dBa the Velis Electro is noise friendly, bringing flight closer to noise-sensitive urban areas.





TECHNICAL DATA

VELIS ELECTRO

Performance

Takeoff Over 50 ft Obstacle	1,470 ft	448 m
Max Climb Rate	647 ft/min	3.29 m/s
Typical Cruise Speed	88 KTAS	163 km/h
Stall Speed, Landing Configuration	46 KIAS	85 km/h
Max Altitude	12,000 ft MSL	3,658 m
Typical Endurance	50 min	

Powerplant

Engine	Pipistrel E-811-268 MVLC
Max Takeoff Power	57.6 kW MTOP
Charge Time*	1 hr 20 min

Weights

Max Takeoff Weight	1,323 lb	600 kg
Typical Empty Weight	943 lb	428 kg
Useful Load	380 lb	172 kg

Dimensions

Wingspan	35 ft 2 in	10.70 m
Length	21 ft 3 in	6.47 m
Height	6 ft 9 in	2.06 m
Max Occupants	2	

Data using MTOW of 1,323 lb, ISA, SL

*Based on a normal charging cycle from 35% to 95% SOC (state of charge).

Note: Pipistrel reserves the right to revise this data whenever occasioned by product improvement/authority regulations or other good causes.

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