

PIPISTREL 

BY TEXTRON eAVIATION



NUUVA V300

The Future of Air Cargo Transport

The ultimate Hybrid-electric cargo VTOL unmanned cargo aircraft has arrived. The Nuuva V300 is a revolutionary design for long range logistics operations and cargo delivery. Built on the back of Pipistrel's innovative design and technological advancement of electric-hybrid propulsion systems, the Nuuva V300 is optimized to deliver 300 kilogram payloads over 300 kilometres.

Simplicity by Design

Designed to accommodate up to three (3) Euro Pallets (EPAL) through the nose section of the fuselage, loading is easy and configurable for multiple payload options. Dispatch is made simple through pre-defined flight planning, controlled by Nuuva's integrated ground station, allowing fully autonomous operation backed by a highly reliable, triple redundant flight control system.

Next Generation Technology

A Hybrid-Electric powertrain with dedicated lift and cruise propulsions systems provides vertical take-off and landing capability utilising eight independent battery powered Pipistrel E-811 electric type certified engines. Forward propulsion comes from a reliable and efficient internal combustion engine offering unbeatable fuel economy and low maintenance costs. Enhanced Aerodynamics further compliment the Nuuva V300 configured with a fly-by-wire flight control system by Honeywell boosting efficiency and providing greater flexibility.

COST EFFICIENCY

The Nuuva V300 combines technologies for increased capability and efficiency of operation as a solution for cargo delivery around the world. It's Unmanned VTOL capability enables it to operate with full autonomy.

- *Advanced System controls for simplified operations*
- *Holistic design capabilities*
- *Data-driven certification for predictive maintenance and improved performance*
- *Industry leading electric storage and power management*





TECHNICAL DATA

NUUVA V300 (preliminary data)

Powerplant

Hybrid Powertrain 8x Pipistrel E-811 EASA certified electric engines
1x High efficiency FADEC IC engine

Dimensions

Total Length 11.3 m / 33 ft 1 in
Fuselage length 9.3 m / 30 ft 6 in
Wingspan 13.2 m / 43 ft 4 in
Height 3.1 m / 10 ft 0 in
Wing Area 23 m² / 248 ft²
Cargo hold (L x W x H) 3.65 x 0.85 x 1.00 m / 12.0 x 2.8 x 3.3 ft
Cargo hold volume 3 m³ / 106 ft³

Weights

Max take-off weight (MTOW) 1700 kg / 3750 lb
Typical mission payload weight 300 kg / 660 lb
Maximum payload weight 460 kg / 1014 lb
Typical mission fuel load weight 65 kg / 143 lb
Maximum fuel capacity 410 l / 108 gal (MOGAS or AVGAS)

Performance

Fast cruise speed (at 95 kw, 5000 m ASL) 220 km/h / 119 kt
Economy cruise speed (at 75 kw and sea level) 165 km/h / 89 kt
Best climb rate 3 m/s / 600 ft/min
Take-off distance 0 m

Preliminary technical data
subject to change

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



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Nuuva and Pipistrel Aviation, scan
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