



VELOS V3

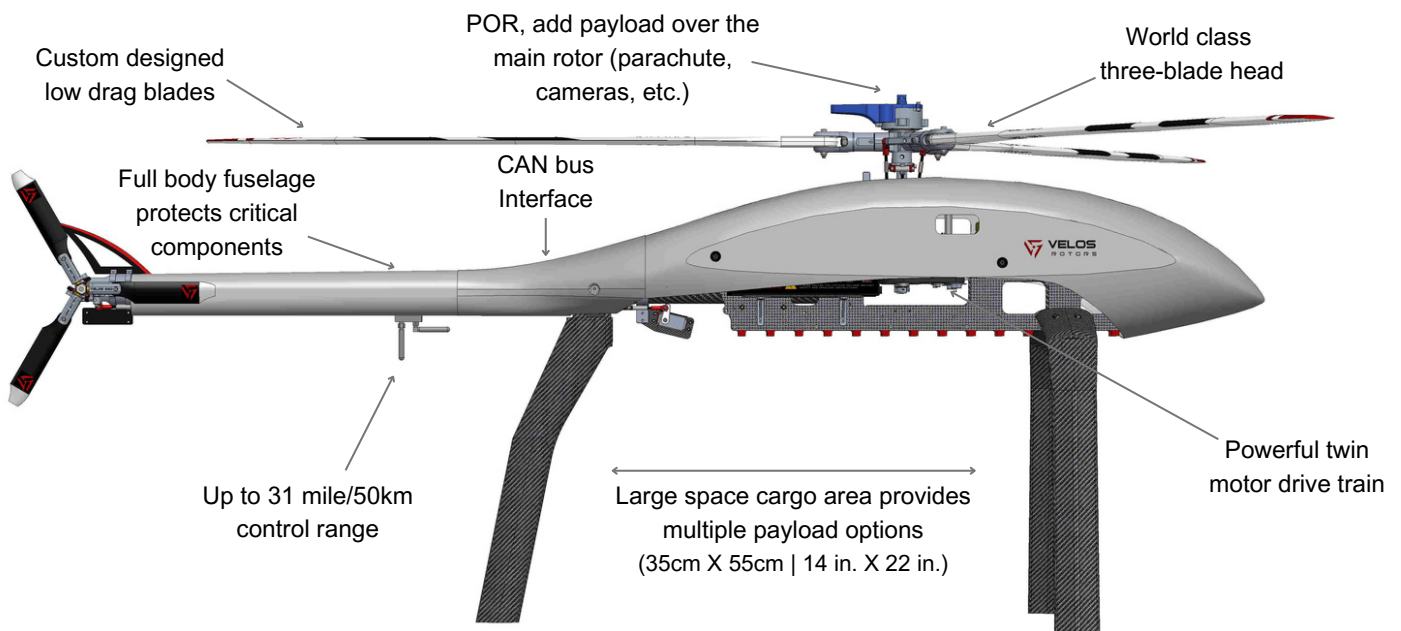
**FULLY REDUNDANT
PROVEN DESIGN**



Introduction to **VELOS V3**

Safety, Redundancy, Efficiency, Performance

The IP65-rated, fully redundant design of the Velos V3 allows for a high-capacity payload and multi-sensor options making it a reliable UAV helicopter option. The design of the Velos V3 with its powerful twin-motor drive train and 50km/31 mile control range offers reliability and scalability for any civil or commercial application. The payload over rotor (POR) option also allows for the addition of a ballistic parachute or other sensor options. Visit www.velos-rotors.com.

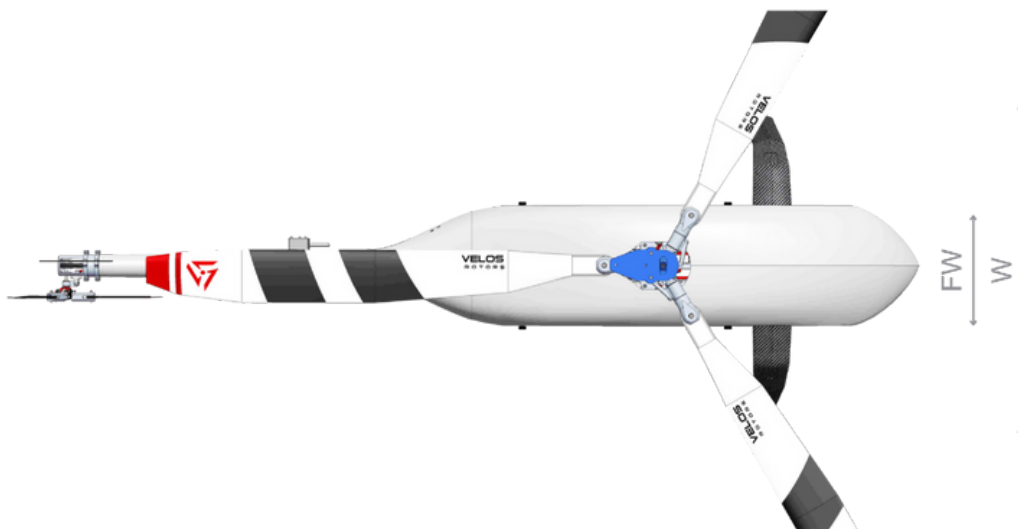
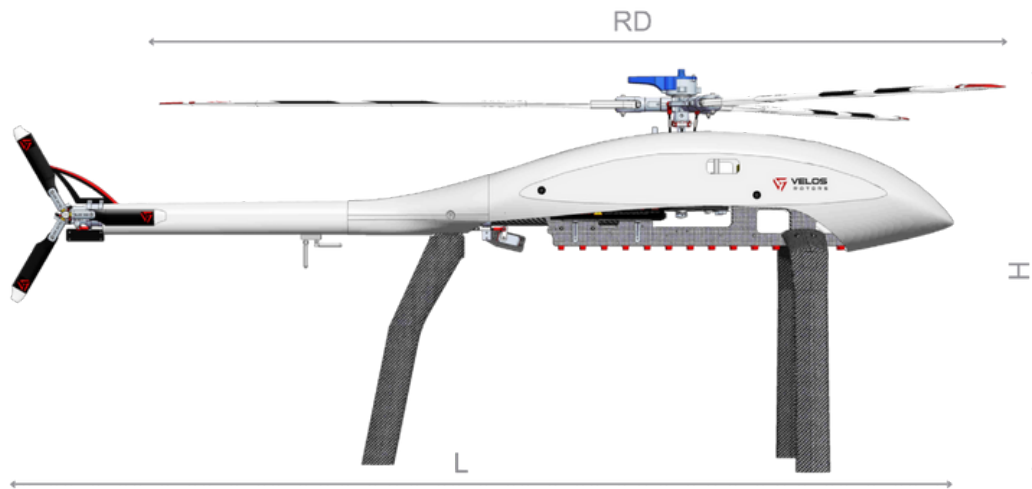


VELOS UAV Use Case Examples

- *LiDAR Inspections*
- *Cargo Delivery*
- *Geographic Mapping*
- *Agriculture Applications*
- *Surveillance and Patrol*
- *Aerial Video and Photography*



Technical Specifications



Physical

Rotor diameter RD	1950mm/76.5in
Length L	1720mm/67.7in
Height H	730mm/28.75in*
Width W	620mm/24.4in
Fuselage Width FW	230mm/9in
Empty Weight	8.5kg/19lbs
Battery Weight	4-10kg/9-22lbs
Payload Weight	10kg/22lbs

*depends on POR payload

Performance

Payload Capacity	15.8kg/35lbs*
MTOW	Under 25kg/55lbs
Endurance	Up to 80 minutes
Cruise Speed	30-70 km/h 8-19 m/s
Min/Max Speed	1-120 km/h 1-33 m/s

*depends on configuration and weather conditions





VELOS
ROTORS®



Velos V3 POR Key Features:

Up to 35lbs/15.9kg combined battery and payload capacity

More than an hour flight time with payload

Redundancy: Helicopter maintains full control even with critical components failure

Operates easily in weather conditions other drones cannot fly

Carbon fiber skids allow for more payload capacity

Wireless modem connection range up to 31 miles/50km

Laser altimeter for precision control that supports additional laser sensors

Payload over the rotor (POR) ready for ballistic parachute, 360 camera and more

Fully autonomous navigation that supports ground control software including UgCS

Smooth auto return home and auto land modes

Ability to carry multiple payloads and communication systems

IP65 rated against dust and water

For more information, please contact Velos Rotors.
www.velos-rotors.com | info@velos-rotors.com