

# VTOL

Vertical takeoff and landing



Resolute Eagle  
Unmanned Aerial System (UAS)  
Dynamic Platform for Evolving Requirements

# Resolute Eagle Characteristics

## Vertical takeoff and landing



- VTOL makes the platform suitable for a wide range of additional runway independent mission environments, including maritime operations
- The booms attach via two hard points on the fixed wings, making the aircraft quickly reconfigurable depending on requirements

<b>Wing Span:</b>	18.2 ft (5.5 m)
<b>Length:</b>	9.5 ft (2.9 m)
<b>Endurance:</b>	12+ hours (configuration dependent)
<b>Service Ceiling:</b>	Estimated 15,000 ft (4,572 m) (pending flight test)
<b>Speed (dash/cruise):</b>	100 kts / 50 kts
<b>Engine Power:</b>	15.4 hp (11.4 kw)
<b>Maximum Takeoff Weight:</b>	265 lbs (120.2 kg)
<b>Empty Weight:</b>	190 lbs (86.2 kg)
<b>Max. Payload Weight:</b>	75 lbs (34.0 kg) *Fuel load and payload configuration specific
<b>Payload Bays:</b>	Fuselage and underwing bays
<b>Launch/Recovery:</b>	Vertical takeoff and landing
<b>Onboard Power:</b>	1,150+ watts (900 watts available for payloads)
<b>Communications:</b>	Line of Sight (LOS) and relay Beyond Visual Line of Sight (BVLOS)

### for more information:

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