

—CONTESTED LOGISTICS AIRCRAFT—

# **MULE**

Tailored for challenging terrains and demanding conditions, The Mule is meticulously crafted with a focus on efficiently transporting cargo in rough environments. Engineered for resilience and adaptability, it stands as a reliable solution for navigating and delivering payloads in challenging landscapes.

This versatile WaveAerospace Mule can be seamlessly configured to excel in diverse environments, including offshore and at a sea level, as well as in mountainous terrain. Its adaptable design allows for optimal performance and reliability, ensuring efficient cargo transport across a spectrum of challenging settings. Whether navigating over open water or maneuvering through rugged mountain landscapes, this aircraft stands as a robust and versatile solution for transporting cargo in various demanding conditions.

**Multi-Mission, Utility, Logistics, & Expedition  
("M.U.L.E.") heavy-lift VTOL**

### / BEST IN CLASS

**ENDURANCE**  
UP TO 4 HRS

**ALL-WEATHER**  
WEATHERPROOF

**WIND RESISTANCE**  
50 KNOTS  
(57MPH, 25.7M/S)

**PAYLOAD CAPACITY**  
40+KG (100lb class)

**CRUISE SPEED**  
50-70 KNOTS  
(57-80 MPH, 25-36 M/S)

**MAX ALTITUDE**  
2,500M (8,200 FT)

### / SPECIFICATIONS

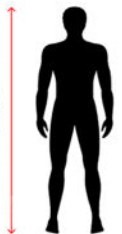
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|---------------------------------------|---|
| <b>DIMENSIONS</b>                     | 4-meter span  |
| <b>MAX RECOMMENDED TAKEOFF WEIGHT</b> | 181 kg (400 lbs)  |
| <b>POWER SYSTEM</b>                   | Self-charging electric with heavy fuels or liquid propane |
| <b>OPERATING TEMPERATURE RANGE</b>    | -17°C to 50°C (0°F - 122°F)                               |
| <b>PROPELLERS</b>                     | 3-blade, prebalanced carbon Fiber                         |

### / MISSION PROFILES

- » Cargo delivery and contested logistics
- » Emergency response
- » Ship to ship operations
- » Reconnaissance & RIF (Reconnaissance in Force)
- » Long Duration Camera Platforms
- » Stand-off fleet protection

### / KEY FEATURES

- » Four (4) hours flight endurance in zero visibility and Force 10 ocean conditions.
- » True hybrid (JP-8/electric) power system requires no group maintenance or charging equipment
- » Reliable operations in high seas with accelerometer-compensated onboard phased radar altimetry and inertial guidance
- » Mobile power generation provides up to 20 kW of power to external devices when not in flight
- » Capable of fully autonomous flight, landing and payload delivery
- » Seven-system GNSS Protected against spoofing with dedicated IMU
- » Featuring a 20kW APU and a 100 kW electrical system with 30 minutes of power without APU running. APU can be turned on or off during flight
- » Capable of take-off, landing and quiet approach using only battery power
- » Low level terrain tracking & on-board optical recognition
- » Fully encrypted communications



All Mule aircraft may be outfitted with an EO/IR Payload. Additional camera/payload options available at customer request.

**MULE Variants**

**MULE Logistics**

**MULE ISR**

**MULE - High Altitude Logistics**

**MULE - High Altitude ISR**