



PHOENIX AERIAL **VAPOR55**

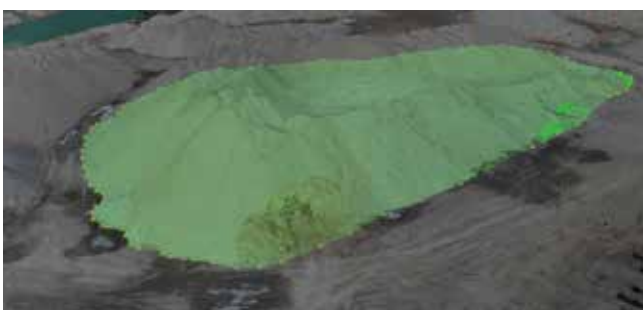
RIEGL VUX-1 LiDAR



ORTHOPHOTOS



LIDAR POINT CLOUD



STOCKPILE ASSESSMENT

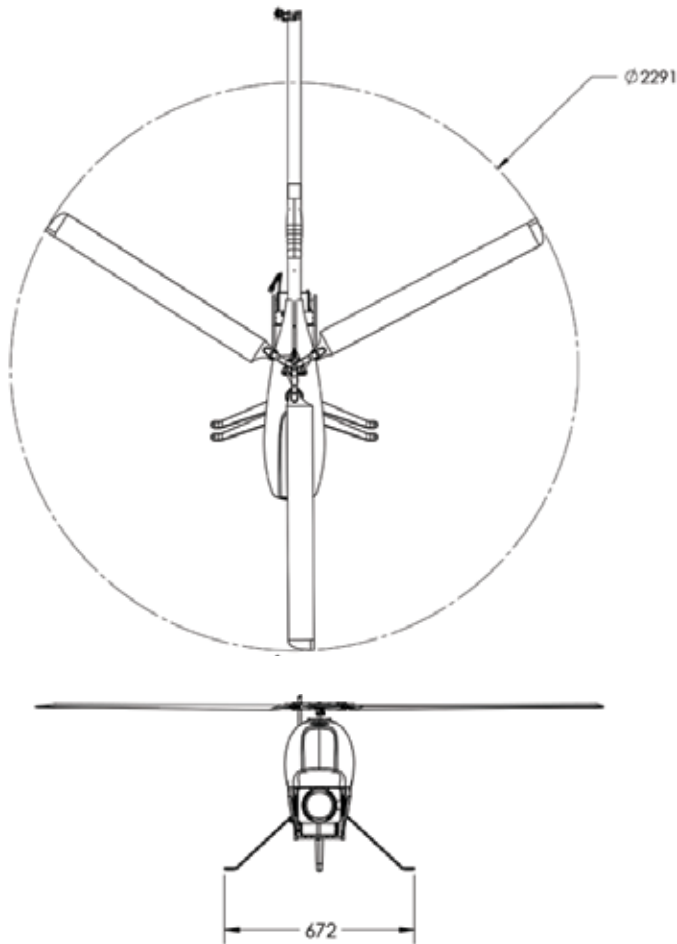
The Vapor 55™ is a single-rotor unmanned aerial system for the Ranger LiDAR system.

The Vapor 55™ carries a 12 lb., front mounted sensor for up to 60 minutes on a single charge. Larger payloads can also be carried. It utilizes automatic rotor speed calibration for altitudes from sea level to over 10,000ft AMSL. The Vapor 55™ was conceived to provide unprecedented ease of use for commercial, industrial, and security applications requiring larger payload suites below a 55 lb. gross takeoff weight. It is well suited for tactical use due to the system's small footprint, superior reliability, and safety in real-life environments without modification to the vehicle. It can carry sensor payloads up to 24 lbs.

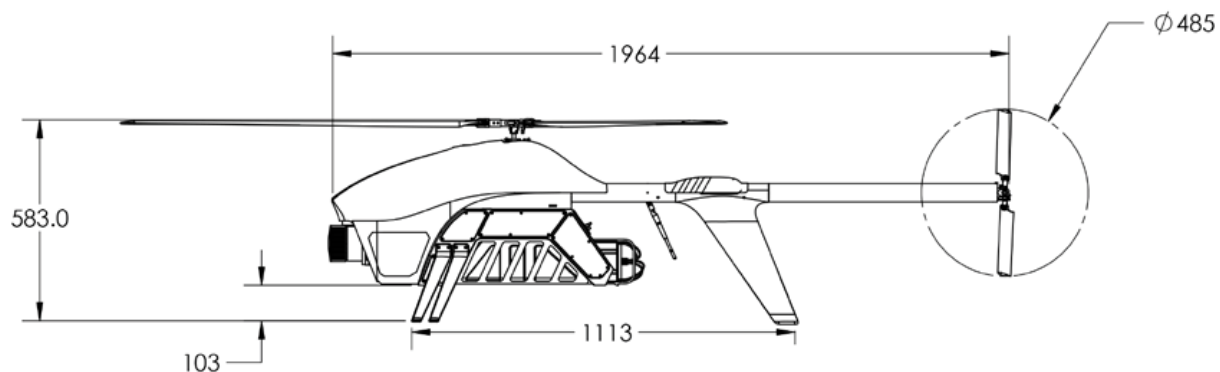
Features:

- High flight time even with large payloads
- Industry leading safety features (automatic autorotation, smart autohome functions, etc.)
- Easily interchangeable payloads
- Easy to operate

PHOENIX AERIAL VAPOR55



FRAME	
LENGTH (no blades)	1,400 mm
WIDTH	630 mm
HEIGHT	480 mm
ROTOR DIAMETER	1,650 mm
MAX WEIGHT	16 kg
GEOMETRY	
MAIN ROTOR DIAMETER	90 in
DIMENSIONS	77 x 26 x 23 in
MAX TAKE OFF WEIGHT	55 lbs
EMPTY WEIGHT	19 lbs
PAYLOAD WEIGHT	10 lbs (33 lbs useful load)
PERFORMANCE	
HOVER ENDURANCE	Max 45 mins
CRUISE ENDURANCE	Max 1 hour
PAYLOAD	LiDAR and/or DSLR
DATALINK	Up to 5 miles & 50mb/s
CEILING	12,000 ft
WIND TOLERANCE	30 mph
OPERATIONAL RADIUS	5 miles
CRUISE SPEED	25 mph
TAKE OFF TYPE	Automatic Vertical Take off
LANDING TYPE	Automatic Vertical Landing



Please contact us for any questions about specifications, cost, and delivery.
Email: info@phoenix-aerial.com or call: 323-577-3366

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