



HIGH EYE

# AIRBOXER<sup>®</sup>



## FACTSHEET



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## SPECIFICATIONS

<b>Dimensions</b>	Approx. 1661 x 539 x 600 mm
<b>Environmental resistance</b>	IP 67, -10°C to +45°C
<b>Max. precipitation</b>	Medium
<b>Icing conditions</b>	Not allowed
<b>Max. take-off weight</b>	30.00 kg
<b>Basic empty weight</b>	20.50 kg
<b>Max. payload weight</b>	7.0 kg
<b>Max. indicated airspeed IAS</b>	70 kts - 129 km/h
<b>Electrical system</b>	3 phase alternator 28 V @ 700 W
<b>Electromagnetic interference</b>	All avionics/connectors shielded
<b>Back-up battery</b>	LION + BMS
<b>Main &amp; tail rotor type</b>	Fully articulated & friction damping
<b>Engine type</b>	2-stroke twin-cylinder
<b>Engine size</b>	80 cc
<b>Engine cooling</b>	Active air cooling
<b>Induction type</b>	Redundant injection system
<b>Fuel type</b>	Jet A1 (NATO F-35), JP-5 (NATO F-44)
<b>Total fuel capacity</b>	6.5 litres
<b>Fuel consumption 0 kts/hover</b>	2.2 L/h
<b>Fuel consumption 30 kts</b>	1.6 L/h
<b>Fuel consumption 60 kts</b>	2.1 L/h
<b>Max. endurance</b>	4:06 hours
<b>Endurance 100% hover</b>	2:57 hours
<b>Autopilot type</b>	Failure-redundant INS based, dual CPU
<b>INS sensor type</b>	MEMS
<b>Autopilot modes</b>	Hover/Waypoint/Follow/Take-off/Landing
<b>Frequency</b>	900 - 5900 MHz bands standard 2.3 - 2.5 GHz
<b>Max. bandwidth</b>	20 MHz, 100 Mb/s +
<b>Antenna type (airborne)</b>	Dipole vertical 3 dbi (2x)
<b>Line of sight range</b>	50 km
<b>Communication type</b>	Encrypted dual IP/ethernet
<b>Pilot's-view camera</b>	HD
<b>Time between inspections</b>	50 hours/annual
<b>Airframe TBO</b>	1,000 hours
<b>Engine time between replacements</b>	200 hours/4th annual



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