



Thunder Wasp Light

Strong. Fast. Flexible.



ACC Innovation Thunder Wasp Light

The latest addition to the product family of ACC Innovation is the Thunder Wasp Light, a smaller UAV compared to the Thunder Wasp II.

This smaller and lighter version of the Thunder Wasp increases cost efficiency further without compromising the original functionality and reliability. The modularity of the patented driveline provides four different power source options, configurable to suit the mission at hand.

Autonomy and Safety

Thunder Wasp Light is equipped with multiple sensors allowing it to fly and position itself in most environments. Advanced sensor systems scan objects in the surrounding area during take-off, operation and landing. As a result, Thunder Wasp Light can function with safety and confidence during autonomous operations.

In addition, the Thunder Wasp Light excels in mechanical reliability. The innovative and patented driveline offers outstanding reliability with a low need for maintenance.

Fully Customizable

In addition to the configuration options of the Thunder Wasp Light itself, the performance capabilities make it suitable for the addition of practically any commercially available UAV equipment. As a result, the Thunder Wasp Light can be customized to suit a wide range of projects, environments and mission types.

Flexible and Mobile

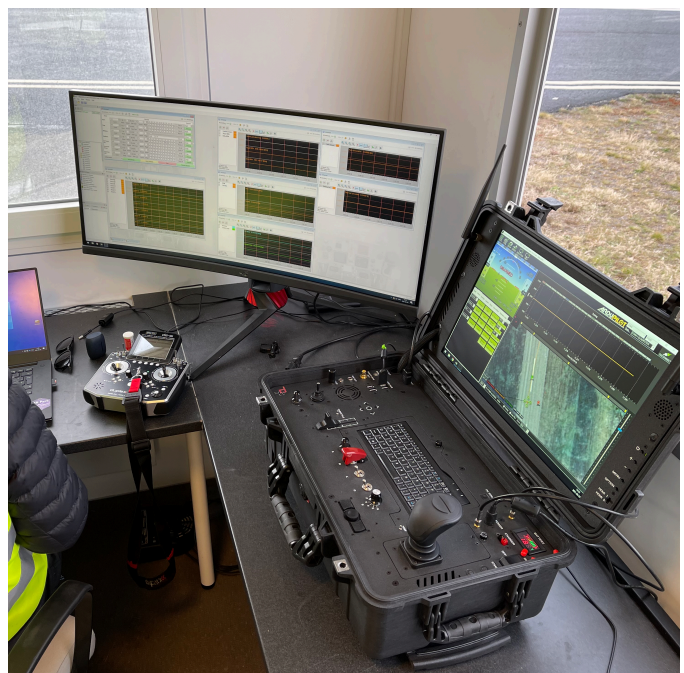
Thanks to the modular design, Thunder Wasp Light can easily be disassembled before transport. Multiple units can be transported in a single truck together with personnel and enough fuel to fly for several hours.

Unloading and assembly of the is quickly completed by two persons rolling out the main module and connecting the lightweight arms.

Seeing is Believing

See the Thunder Wasp Light in action at:

<https://www.youtube.com/channel/UCBYx-5oosHD3n6-CBujFKQ>





	Thunder Wasp Light Turboshaft	Thunder Wasp Light 2-Stroke	Thunder Wasp Light 4-Stroke	Thunder Wasp 2x Turboshaft
Type	Quad Rotor	Quad Rotor	Quad Rotor	Quad Rotor
Length incl. rotor blades	5.5 m	5.5 m	5.5 m	7.5 m
Width incl. rotor blades	5.5 m	5.5 m	5.5 m	7.5 m
Diameter rotor disc	2.7 m	2.7 m	2.7 m	3.5 m
Height	1.4 m	1.4 m	1.4 m	1.4 m
Maximum takeoff weight	700 kg	380 kg	410 kg	1500 kg
Empty weight	300 kg	230 kg	300 kg	400 kg
Maximum Payload capacity	390 kg	140 kg	100 kg	1080 kg
Fuel capacity	10-400 kg	10-150 kg	10-110 kg	20-1100 kg
Engine alternatives	Turbo Shaft	2-Stroke Piston	4-Stroke Piston	2x Turbo Shaft
Fuel	Jet A1	Petrol 95/98	Petrol 95/98	Jet A1
Power Output	220 hp	120 hp	140 hp	440 hp
Cruising speed	90 km/h	90 km/h	90 km/h	90 km/h
Fuel consumption	75 kg/h	28 kg/h	25 kg/h	150 kg/h
Service ceiling	3000 m ASL ISA	3000 m ASL ISA	3000 m ASL ISA	3000 m ASL ISA
Flight time with 50 kg payload	4.0 hours	3.0 hours	2.0 hours	–
Flight time with 100 kg payload	3.5 hours	1.5 hours	20 minutes	–
Flight time with 200 kg payload	2.5 hours	–	–	–
Flight time with 300 kg payload	1.0 hour	–	–	–
Range with 50 kg palyload	360 km	250 km	170 km	–
Range with 100 kg palyload	315 km	120 km	25 km	–
Range with 200 kg payload	200 km	–	–	–
Range with 300 kg payload	80 km	–	–	–



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CERTIFIED ISO 9001:2015 & ISO 14001:2015

The ISO 9001:2015 standard is based on a number of quality management principles including a strong customer focus, the motivation and implication of top management, the process approach and continual improvement.

ISO 14001:2015 helps an organization achieve the intended outcomes of its environmental management system, which provide value for the environment, the organization itself and interested parties.

ACC Innovation AB follows the strict guidelines requirements of both standards, and has been certified compliant by DNV GL.

