



Hylio AG-272 Spec Sheet - Metric

Aircraft	
Total Weight (without batteries)	53 kg
Maximum Recommended Takeoff Weight	181 kg
Minimum Recommended Takeoff Weight	80 kg
Maximum Thrust	272 kg
Maximum Operating Speed	48 kph
Flight Time	Full Payload: approx. 8 min Mixed: approx. 12-15 min @ 11 kg/min payload application rate No Payload: approx. 20 min <i>Flight times are affected by numerous conditions such as weather conditions, altitude relative to MSL, temperature, battery age/health, and other factors.</i>
Maximum Flight Altitude	4500 m MSL <i>Reduce payload by 12% for each increase of 1,000 m in density altitude</i>
Wheelbase	2.9 m
Material	Carbon Fiber, Aluminum, Plastic
Dimensions	305 x 305 x 91 cm (arms unfolded, no propellers)
	99 x 86 x 208 cm (arms folded, no propellers)
Spray System	
Maximum Payload (Weight)	101 kg (near sea level)
Maximum Payload (Volume)	68 L
Nozzle Compatibility	Compatible with any TeeJet or similar style nozzle tips. Optional rotary atomizer nozzles available.
Pump System	2 x Diaphragm Pump, 448 kPa
Flow Rate (no nozzle)	1.5 – 15 L/min
Flow Rate (with TT11003 nozzle tip)	11 L/min
Effective Swath Width	9 – 12 m
Productivity Rate	Up to 20 ha/hr at 19 L/ha
Spreader System	
Maximum Payload (Weight)	101 kg (near sea level)
Maximum Payload (Volume)	68 L
Weight of Device	1.6 kg
Optimal Particle Size	0.5 – 10 mm
RPM Range	Up to 1600 RPM
Aperture Control	3 channels, allowing 0 – 174 deg total opening
Effective Swath	Up to 12 m
Maximum Flow Rate	Up to 36 kg/min (dependent on material type)
Device Dimensions	20 x 15 x 19 cm
Productivity Rate	Up to 32 ha/hr at 9 kg/ha



Particle Type	Hard materials such as silica can cause structural damage to the UAS itself and its components (such as the propellers). Use of hard materials will alter warranty terms; use at your discretion. See Operations Manual for more details.	
Propulsion		
Motor KV	95 rpm/V	
Foldable Propeller	104 x 34 cm	
Configuration	Octocopter	
Operating Voltage	14S (51.8 V)	
Battery		
Battery System	2 x 14S 42 Ah (51.8 V) Intelligent LiPo Batteries	
Battery Weight	13.5 kg each; total = 27 kg	
Charger		
Type	Dual Channel	
Input Voltage	100 – 240 V	
Output Power	AC220V: 3000W AC110V: 1200W	
Compatibility	LiPo: 12S/14S; LiHV: 12S	
Dimensions	34 x 19.5 x 14.5 cm	
Weight	5.5 kg	
Charging Current	AC220V Fast Charge: 55A Single Channel Max Standard Charge: 20A Single Channel Max	AC110V Fast Charge: 24A Single Channel Max Standard Charge: 20A Single Channel Max
Weather		
Ingress Protection Rating	IP55	
Maximum Sustained Wind	40 kph	
Maximum Wind Gust	64 kph	
Communication & Control (Hylio GroundLink)		
Standard Control Device	Hylio GroundLink Controller	
Ground Station Control Software	Hylio AgroSol GCS; GroundLink Operating System: Windows 11	
Available Flight Modes	Swarm up to 3 units, fully autonomous, position hold manual, fully manual	
Operating Frequencies	2400 to 2480 MHz	
Wireless Transmission Range	Max Unobstructed: 30 km Typical Rural Operation Setting: 5 km With 4G SIM: Unlimited (wherever cellular coverage is available)	
Display	13.3" Sunlit Readable 1000 nits, 10-Point Touch Display	
Environment	IP67	
Battery	6-8 hours, Rechargeable Li-ion Battery <i>Battery life dependent on factors such as screen brightness and level of activity</i>	
Regulatory		
Regulatory Compliance	FY2019 NDAA Sec. 889 Compliant; FY2020 NDAA Section 848 Compliant; FCC Part 15 Compliant	

