



## Hylio AG-272 Spec Sheet – US Customary Units

Aircraft	
Total Weight (without batteries)	117 lb
Maximum Recommended Takeoff Weight	400 lb
Minimum Recommended Takeoff Weight	177 lb
Maximum Thrust	600 lb
Maximum Operating Speed	30 mph
Flight Time	Full Payload: approx. 8 min Mixed: approx. 12-15 min @ 25 lb/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	15,000 ft MSL <i>Reduce payload by 12% for each increase of 3,000 ft in <a href="#">density altitude</a></i>
Wheelbase	114 in.
Material	Carbon Fiber, Aluminum, Plastic
Dimensions	120 x 120 x 36 in. (arms unfolded, no propellers)
	39 x 34 x 82 in. (arms folded, no propellers)
Spray System	
Maximum Payload (Weight)	223 lb (near sea level)
Maximum Payload (Volume)	18 gal
Nozzle Compatibility	Compatible with any TeeJet or similar style nozzle tips. Optional rotary atomizer nozzles available.
Pump System	2 x Diaphragm Pump, 65 PSI
Flow Rate (no nozzle)	0.4 – 4.0 gal/min
Flow Rate (with TT11003 nozzle tip)	3.0 gal/min
Effective Swath Width	30 – 40 ft
Productivity Rate	Up to 50 ac/hr at 2 gal/ac
Spreader System	
Maximum Payload (Weight)	223 lb (near sea level)
Maximum Payload (Volume)	18 gal
Weight of Device	3.5 lb
Optimal Particle Size	0.02 – 0.4 in.
RPM Range	Up to 1600 RPM.
Aperture Control	3 channels, allowing 0 – 174 deg total opening
Effective Swath	Up to 40 ft
Maximum Flow Rate	Up to 80 lb/min (dependent on material type)
Device Dimensions	8 x 6 x 7.5 in.
Productivity Rate	Up to 80 ac/hr at 20 lb/ac
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	41 x 13.5 in.	
Configuration	Octocopter	
Operating Voltage	14S (51.8 V)	
Battery		
Battery System	2 x 14S 42 Ah (51.8 V) Intelligent LiPo Batteries	
Battery Weight	29.9 lb each; total = 59.8 lb	
Charger		
Type	Dual Channel	
Input Voltage	100 – 240V	
Output Power	AC220V: 3000W AC110V: 1200W	
Compatibility	LiPo: 12S/14S; LiHV: 12S	
Dimensions	13.4 x 7.7 x 5.7 in.	
Weight	12.1 lb	
Charging Current	<b>AC220V</b>  Fast Charge: 55A Single Channel Max Standard Charge: 20A Single Channel Max	<b>AC110V</b>  Fast Charge: 24A Single Channel Max Standard Charge: 20A Single Channel Max
Weather		
Ingress Protection Rating	IP55	
Maximum Sustained Wind	25 mph	
Maximum Wind Gust	40 mph	
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: 18.5 mi Typical Rural Operation Setting: 3 mi 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	