



# Hylío AG-272 Spec Sheet

## US Customary Units

<b>Aircraft</b>	
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 altitude</i>
Wheelbase	114 in.
Material	Carbon Fiber, Aluminum, Plastic
Dimensions	120x120x36 in (arms unfolded, no propellers) 39x34x82 in (arms folded, no propellers)
<b>Spray System</b>	
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.
<b>Spreader System</b>	
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 25 lb./min.
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.
<b>Propulsion</b>	
Motor KV	95 rpm/V
Foldable Propeller	41 x 13.5 in.
Configuration	Octocopter
Operating Voltage	14S (51.8 V.)
<b>Battery</b>	
Battery System	2 x 14S 42 Ah (51.8 V) Intelligent LiPo Batteries
Battery Weight	29.9 lb. each; total = 59.8 lb.
<b>Charger</b>	
Type	Dual Channel
Input Voltage	100 – 240V
Output Power	AC220V: 3000W AC110V: 1200W
Compatibility	LiPo: 12S/14S; LiHV: 12S
Dimensions	13.4 in. x 7.7 in. 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
<b>Weather</b>	
Ingress Protection Rating	IP55
Maximum Sustained Wind	25 mph
Maximum Wind Gust	40 mph
<b>Communication &amp; Control (Hylío GroundLink)</b>	
Standard Control Device	Hylío GroundLink Controller
Ground Station Control Software	Hylío AgroSol GCS; GroundLink Operating system: Windows 11
Available Flight Modes	Swarm up to 3 units, fully autonomous, position hold manual, fully manual
Operating Frequencies	2470 to 2477 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>
<b>Regulatory</b>	
Regulatory Compliance	FY2019 NDAA Sec. 889 Compliant; FY2020 NDAA Section 848 Compliant; FCC Part 15 Compliant