



# Hylío AG-216 Spec Sheet

## US Customary Units

<b>Aircraft</b>	
Total Weight (without batteries)	39 lb.
Maximum Recommended Takeoff Weight	105 lb.
Maximum Thrust	202 lb.
Maximum Operating Speed	30 mph
Flight Time	<p>Full Payload: approx. 8 min.            Mixed: approx. 12-15 min. @ 25 lb./min. payload application rate            No Payload: approx. 20 min.</p> <p><i>Flight times are affected by numerous conditions such as weather conditions, altitude relative to MSL, temperature, battery age/health, and other factors.</i></p>
Maximum Flight Altitude	<p>15,000 ft. MSL  <i>Reduce payload by 12% for each increase of 3,000 ft. in altitude</i></p>
Wheelbase	67 in
Material	Carbon Fiber, Aluminum, Plastic
Dimensions	67x59x24 in (arms unfolded, no propellers)
	35x42x24 in (arms folded, no propellers)
<b>Spray System</b>	
Maximum Payload (Weight)	52.5 lb. (near sea level)
Maximum Payload (Volume)	4.5 gal.
Nozzle Compatibility	<p>Compatible with any TeeJet or similar style nozzle tips.            Optional rotary atomizer nozzles available.</p>
Pump System	1 x Diaphragm Pump, 75 PSI
Flow Rate (no nozzle)	0.1 – 2 gal./min.
Flow Rate (with TT11003 nozzle tip)	1 gal./min.
Effective Swath Width	15 – 25 ft.
Productivity Rate	Up to 27.5 ac./hr. at 1 gal./ac.
<b>Spreader System</b>	
Maximum Payload (Weight)	52.5 lb. (near sea level)
Maximum Payload (Volume)	4.5 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 45 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	100 rpm/V
Foldable Propeller	30 x 9 in.
Configuration	Hexacopter
Operating Voltage	12S (44.4 V.)
<b>Battery</b>	
Battery System	1 x 12S 22 Ah (44.4 V) Intelligent LiPo Battery
Battery Weight	13.5 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
Max sustained wind	25 mph
Max 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