



# Hylío 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	<p>Full Payload: approx. 8 min.  Mixed: approx. 12-15 min. @ 11 kg./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>
Spray System	
Maximum Payload (Weight)	101 kg.
Maximum Payload (Volume)	68 L.
Nozzle Compatibility	<p>Compatible with any TeeJet or similar style nozzle tips.</p> <p>Optional rotary atomizer nozzles available.</p>
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.
Maximum Payload (Volume)	68 L.
Weight of Device	2 kg. (excl. tank)
Optimal Particle Size	0.5 – 10 mm.
RPM Range	900 – 1300 RPM
Aperture Control	0 – 90 Degrees
Effective Swath	Up to 14 m.
Maximum Flow Rate	20 kg./min. (Urea example)
Device Dimensions	32 cm. x 32 cm. x 18 cm.
Productivity Rate	Up to 32 ha./hr. at 22 kg./ha.



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 cm. x 19.5 cm. x 14.5 cm.
Weight	5.5 kg.
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	40 kph.
Maximum Wind Gust	64 kph.
Communication & Control (Hylío GroundLink)	
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: 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 Compliance	FY2019 NDAA Sec. 889 Compliant; FY2020 NDAA Section 848 Compliant; FCC Part 15 Compliant