



Hylío AG-110 UAS Spec Sheet – Imperial

Flight Parameters	
Total Weight (without batteries)	23.0 lb
Max Recommended Takeoff Weight	87.6 lb
Max Thrust	134.8 lb
Max Operating Speed	22 mph
Max Flight Speed	40 mph
Hover Time	50 min (at 33.3 lb TO weight)
	14 min (at 55.3 lb TO weight)
Propulsion System	
Motor KV	100 rpm/V
Foldable Propeller	30x9.0 in
Configuration	Quadcopter
Operating Voltage	12s
Battery	1 x 16000 mAh 12S (44.4V) LiPo Battery
	10.3 lb/battery
Aircraft Frame	
Wheelbase	51 in
Material	Carbon Fiber, Aluminum, Plastic
Dimensions	46x46x24 in (arms unfolded)
	23x23x20 in (arms folded)
Spray System	
Standard Payload	22lb, 2.65 gallon
Standard Configuration	1 Pump, 1 Tank, 1 Flowmeter, 4 nozzles on 6ft boom; <i>Dual-pump available</i>
Nozzle	Nozzle body compatible with any Teejet spray tip
Pump Pressure	Diaphragm Pump, 65 PSI per pump (single and double-pump configs. Available)
Flow Rate (no nozzle max)	0.1 – 1.1 Gal/min in single-pump config; 0.2 – 2.2 Gal/min in dual-pump config
Flow Rate (with recommended nozzle TT11001)	0.6 Gal/min in single-pump config; 1.13 Gal/min in dual-pump config
Spray Width	15-25 feet
Flight Control	
Flight Modes	Fully autonomous (no RC), position hold manual (with RC), Fully manual GPS denied (with RC)
Operating Frequencies	902 – 928 MHz, 2.4 GHz
Ground Station Control Software	Hylío Agrosol
Max Transmission Range	~1 mile (5+ unobstructed)