# Hylio AG-122 Spec Sheet - Imperial

| Flight Parameters | |
|---|---|
| Total Weight (without batteries) | 61.3 lb |
| Max Recommended Takeoff Weight | 140 lb |
| Max Thrust | 269.6 lb |
| Max Operating Speed | 25 mph |
| **Propulsion System** | |
| Motor KV | 100 rpm/V |
| Foldable Propeller | 30x9.0 in |
| Configuration | Octocopter |
| Operating Voltage | 12s |
| Battery | 2 x 16000 mAh 12S (44.4V) LiPo Batteries |
| | 9.3 lb/battery |
| **Aircraft Frame** | |
| Wheelbase | 83.5 in |
| Material | Carbon Fiber, Aluminum, Plastic |
| Dimensions | 81x81x25 in (arms unfolded, no propellers) |
| | 44x44x25 in (arms folded, no propellers) |
| **Spray System** | |
| Standard Payload | 43.4 lbs, 5.2 gallon |
| Configuration | 2 Pumps, 2 Tanks, 2 Flowmeters, 8 nozzle pairs mounted under rotors |
| Nozzle | Nozzle body compatible with any Teejet spray tip |
| Pump | Diaphragm Pump, 65 PSI |
| Flow Rate (no nozzle max) | 0.1 – 2.6 Gal/min |
| Flow Rate (with recommended nozzle AMTGST015) | 2.0 Gal/min |
| Spray Width | Up to 30 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 | Hylio Agrosol |
| Max Transmission Range | ~1 mile (5+ unobstructed) |