



# Hylío AG-272 Spec Sheet - Imperial

| Aircraft                            |                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                         | <p>Full Payload: approx. 8 min.<br/> Mixed: approx. 12-15 min. @ 25 lb./min. payload application rate<br/> 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)            | 223.2 lb.                                                                                                                                                                                                                                                                                                           |
| Maximum Payload (Volume)            | 18 gal.                                                                                                                                                                                                                                                                                                             |
| 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, 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.                                                                                                                                                                                                                                                                                      |
| Spreader System                     |                                                                                                                                                                                                                                                                                                                     |
| Maximum Payload (Weight)            | 223.2 lb.                                                                                                                                                                                                                                                                                                           |
| Maximum Payload (Volume)            | 18 gal.                                                                                                                                                                                                                                                                                                             |
| Weight of Device                    | 4.3 lb. (excl. tank)                                                                                                                                                                                                                                                                                                |
| Optimal Particle Size               | 0.02 – 0.4 in.                                                                                                                                                                                                                                                                                                      |
| RPM Range                           | 900 – 1300 RPM                                                                                                                                                                                                                                                                                                      |
| Aperture Control                    | 0 – 90 deg.                                                                                                                                                                                                                                                                                                         |
| Effective Swath                     | 10 – 33 ft.                                                                                                                                                                                                                                                                                                         |
| Maximum Flow Rate                   | 65 lb./min. (Urea example)                                                                                                                                                                                                                                                                                          |
| Device Dimensions                   | 12.6 in. x 12.6 in. x 7.0 in.                                                                                                                                                                                                                                                                                       |
| Productivity Rate                   | Up to 80 ac./hr. at 20 lb./ac.                                                                                                                                                                                                                                                                                      |
| Propulsion                          |                                                                                                                                                                                                                                                                                                                     |
| 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<br>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><br><br>Fast Charge: 55A Single Channel Max<br>Standard Charge: 20A Single Channel Max<br><br><b>AC110V</b><br><br>Fast Charge: 24A Single Channel Max<br>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 (Hylio GroundLink)</b> |                                                                                                                                                                                                                |
| Standard Control Device                               | Hylio GroundLink Controller                                                                                                                                                                                    |
| Ground Station Control Software                       | Hylio 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.<br>Typical Rural Operation Setting: 3 mi.<br>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<br><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                                                                                                                       |