



Unmanned Aerial Systems Agricultural Spray Drone



Model	DSS A500AG	
Class	Industrial Class	
Take Off Weight	Standard: 35kg MTOW: 28kg	
Hover Accuracy	Hover Time: 25mins (14000MA, TW 14kg) 12mins (14000MA, TW 24kg) Tested by sea level, wind speed: <3m/s	
Flight Speed	Max Working Flight Speed: 8m/s Max Flight Speed: 12m/s	
Altitude	ASL 3000m	
Wheelbase	1400mm	
Recharger	12S Dual 20A Voltage: 44V Rated Power: 1000W	
Battery	6S 1400MA	
Power	Flight: Rated Power: 7920W Hover Power: 4224W	Remote Control (RC): Rated Power: 9W
Body Parameter		
Dimension	Arm Length: 490mm External Size: 1400*1400*580mm Folded Size: 680*680*580mm	(arms spread without propellers)
Weight	Body: 9.8kg (without battery)	
Ambient	Flight Advised Temperature: 0 - 40°C Storage Temperature: Less than 3 months: -20 - 45°C More than 3 months: 23 - 28°C Recharging Temperature: 0 - 40°C	RC Working Temperature: -10 - 40°C
Spray System	Tank Capacity: 20L Payload: 20 kg Nozzle: 110 Angle 001 Fan Flow: 0.379L/min Max Spray Rate: Each 110Angle 001 Fan Nozzle 0.43L/min Atomizing Particle Size: 110Angle001 Fan Nozzle: 130-250um	Advise: Nozzle 110 Angle 015 Fan Flow: 0.525L/min
Dynamic System	Stator Size: 62* 15mm KV: 170rpm/V Pull: 7.3kg/ rotor Rated Power: 1320W Weight: 380g ESC Max Working Current: (continuous) 60A Working Voltage: 25.2V Compatible Signal Frequency: 50 - 432Hz Propeller: 24 inch Material: Carbon Fiber Dimension: 24 * 8 inch Weight: 70g	