DJI Agras T100

Aircraft

Weight	Weight for spraying: 75 kg (standard with 2 nozzles) Weight for spraying: 77 kg (optional with 4 nozzles) Weight for spreading: 75 kg (equipped with spreading system) Weight for lifting: 65 kg (equipped with lifting system) Weight for lifting: 90 kg (equipped with dual-battery lifting system)
Max Takeoff Weight [1]	Max takeoff weight for spraying: 175 kg (standard with 2 nozzles) Max takeoff weight for spraying: 177 kg (optional with 4 nozzles) Max takeoff weight for spreading: 175 kg (equipped with spreading system) Max takeoff weight for lifting: 165 kg (equipped with lifting system) Max takeoff weight for lifting: 170 kg (equipped with dual-battery lifting system)
Max Diagonal Wheelbase	2330 mm (diagonal)
Dimensions	3220 mm × 3224 mm × 975 mm(arms and propellers unfolded) 1820 mm × 1840 mm × 975 mm(arms unfolded and propellers folded) 1105 mm × 1265 mm × 975 mm(arms and propellers folded)
Hovering Accuracy Range (with strong GNSS signal)	RTK Enabled: ±10 cm (horizontal), ±10 cm (vertical) RTK not enabled: Horizontal ± 0.6 m, vertical ± 0.3 m

Max Configurable Flight Radius	2 km
Operating Temperature	0 °C to 40 °C
Max Wind Resistance	<6 m/s

Propulsion System - Motors

Stator Size	155 × 16 mm
KV	60 rpm/V

Propulsion System - Propellers

Material	Carbon Fiber Composite
Dimensions	62 inches
Quantity	8 pairs

Spraying System

Model	LS100
Dimensions	880 mm × 870 mm × 810 mm (spray rod folded) 1020 mm × 1930 mm × 810 mm (spray rod unfolded)

Spraying System - Spray Tank

Material	HDPE
Volume	100 L
Operating Payload [1]	100 kg

Spraying System - Sprinklers

Model	LX07550SX (Standard Nozzle) / LX09550SX (Optional Mist Nozzle)
Quantity	2 (Standard) / 4 (Optional)
Nozzle Distance	1834 mm (Two Nozzles / Four Nozzles Outermost)
Droplet Size	50 - 500 µm

Effective Spray Width [2]	5 - 13 m

Spraying System - Delivery Pumps

Type	Impeller Pump (Magnetic Drive)
Quantity	2
Max Flow Rate	30 L/min (Standard 2 nozzles), 40 L/min (Optional 4 nozzles)

Spreading Load

Dimensions	900 mm × 820 mm × 920 mm
Compatible Material Diameter	Standard configuration: Extra-large auger: 0.5 mm - 10 mm granules (fertilizer, wheat, feed, etc.) Medium auger: 4 mm - 6 mm granules (rice) Optional: Large auger: 4 mm - 10 mm granules (rice, fertilizer) Small auger: 0.5 mm - 4 mm granules (rapeseed, granular herbicides, granular insecticides)

Spreading System 4.0

Spreading Tank Volume	150 L
Spreader Structure Type	Centrifugal Disc
Discharge Structure Type	Screw Feeder Feeding
Max Discharge Rate	400 kg/min (compound fertilizer)
Max load inside the spreading operation box	100 kg
Effective Spreading Width [3]	3 - 10 m

Lifting System

Dimensions	805 mm × 764 mm × 669 mm
Load Capacity [4]	100 kg
Lifting Cable Length	10 m (standard configuration)
Recommended Cable Length	10 - 15 m
Operating Temperature	0 °C to 40 °C

Dual Battery Lifting System

Dimensions	805 mm × 960 mm × 669 mm
Load Capacity [4]	80 kg
Lifting Cable Length	10 m (standard configuration)
Emergency Escape Mode	Cable Fuse Disconnection and Escape
Recommended Cable Length	10 - 15 m
Operating Temperature	0 °C to 40 °C

Safety System 3.0

Millimeter Wave Radar EIRP	< 20 dBm (NCC / MIC / KC / CE / FCC)
Operating Temperature	0 °C to 40 °C
Operating Environment Requirements	Adequate light and discernible surroundings
Field of View (FOV)	Laser radar: Vertical 272°, Horizontal 60° Front Radar: Horizontal 360°, Vertical ± 45° Downward Radar: Left and Right ± 12.5°, Front and Back ± 22.5° Rear Radar: Left and Right ± 45°, Front and Back ± 45° Quad vision system: Horizontal 360°, Vertical 180° FPV camera: Horizontal ± 86°, Vertical 108°

Measurement Range [4]	≤ 60 m
Effective Safe Obstacle Avoidance Speed [5]	≤ 13.8 m/s
Effective Obstacle Avoidance Height	≥ 1.5 m

Remote Controller

Model	TKPL 2
Screen	7-inch LCD touchscreen; resolution: 1920 × 1200; brightness: 1400 cd/m²
Storage Temperature Range	Less than one month: -30° to 45° C (-22° to 113° F) One to three months: -30° to 35° C (-22° to 95° F) Three months to one year: -30° to 30° C (-22° to 86° F)
Charging Temperature	5° to 40° C (41° to 104° F)
Internal Battery Runtime	3.8 hours
External Battery Runtime	3.2 hours
Charging Type	Use a USB-C fast charger with a maximum power of 65 W (maximum voltage 20 V), and it is recommended to use the DJI Portable Charger.
Charging Time	2 hours for internal battery or internal and external battery (when remote controller is powered off and using a standard DJI charger)

DB2160 Intelligent Flight Battery

Weight [1]	14.7 ± 0.3 kg
Capacity	41000 mAh
Nominal Voltage	52 V

D14000iE Multifunctional Inverter Generator

Output Channels	1. DC recharge output 42 - 61.6 V/11500 W 2. Air-cooled radiator charge 12 V/6 A 3. AC output 220 V/1500 W
Recharge Time [6]	8 - 9 minutes (DB2160 Intelligent Flight Battery, 30% - 95% charge)
Fuel Tank Capacity	30 L
Starting Method	Starting the Generator via the One-Button Start Switch
Operating Temperature	0 °C to 40 °C
Compatible Battery	DB1580 / DB2160 Intelligent Flight Battery
Dimensions	757 mm × 704 mm × 677 mm
Weight	87 ± 0.5 kg

Fuel Type	Unleaded gasoline with RON ≥91 (AKI ≥87) and alcohol content less than 10% (*Brazil: unleaded gasoline with RON ≥ 91 and alcohol content of 27%)
Reference Fuel Consumption	500 ml/kWh
Engine Oil Capacity	1.3 L
Engine Oil Model	SJ 10W-40

C12000 Smart Charger

Charger Model	CSX901-12000
Dimensions	456 mm × 291 mm × 107 mm
Weight [1]	13.13 kg
Input Voltage	Three-phase AC input: 175 - 520 V Single-phase AC input: 200 - 264 V
Output Voltage	62 V
Rated Output Current	194 A
Rated Power	12000 W (three-phase 380 V input)3000 W (single-phase 220 V input)
Recharge Time [6]	8 - 9 minutes (DB2160 Intelligent Flight Battery, 30% - 95% charge)
Protection Functions	Over-temperature, over-voltage, under-voltage, short circuit, fan stall, and other protection functions

Operating Temperature	0° to 40° C
Output Channels	1
Compatible with Intelligent Flight Battery	DB1580 / DB2160 Intelligent Flight Battery

Relay

Dimensions	112 mm × 112 mm × 51 mm (None Antenna) 120 mm × 112 mm × 101 mm (with antenna)
Weight [1]	630 g
Input	2.7 V - 24 V
Power Consumption	10.48 W (FCC), 8.8 W (SRRC)
Battery Capacity	6500 mAh
Operating Time	5 hours
Operating Frequency	2.4000 - 2.4835 GHz, 5.150 - 5.250 GHz, 5.725 - 5.850 GHz
Effective Signal Range	5 km (SRRC), 4 km (MIC/KCC/CE), 8 km (FCC) (In an interference-free, unobstructed environment, flight altitude 2.5 m)
Charging Time	2.5 hours (30W recharge)
Ingress Protection Rating	IP55

D-RTK 3 AG

Supports Satellite Systems	GPS: L1/L2/L5 BeiDou: B1I/B2I/B3I/B1C/B2A/B2B Galileo: E1/E5a/E5b/E6 GLONASS: G1/G2 QZSS: L1CA/L2C/L5 L-BAND
Dimensions	345 mm × 244 mm × 300 mm
Weight [1]	3.77 kg (including packaging)
Power Consumption	7 W
Battery Capacity	6500 mAh
Operating Time	7 hours
Operating Frequency	Broadcast Mode: O4: 2.4G/5.8G Relay Mode: Not Supported
Effective Signal Range	FCC: 15 km SRRC: 12 km CE/JP: 8 km
Charging Time	2.5 hours (30W recharge)
Ingress Protection Rating	IP67

Positioning Accuracy [7]	PPP Satellite-Based Service Accuracy: Convergence Time: 20 mins Horizontal: 30 cm (RMS) Elevation: 40 cm (RMS) Network RTK Calibration: Horizontal: 0.8 cm + 1 ppm (RMS) Vertical: 1.5 cm + 1 ppm (RMS) 1 ppm: Accuracy decreases by 1 mm for every 1 km increase in distance between the aircraft and the base station. For example, if the aircraft is 1 km away from the base station, the accuracy is 1.1 cm.

Footnotes

	[1] Measured at sea level, the DJI Agriculture App will intelligently recommend the loading weight based on the current aircraft status, environmental conditions, and operational tasks. Users should not exceed the recommended maximum loading weight, as it may affect flight safety. When using in Australia, please follow local regulations and keep the maximum takeoff weight at 149.9kg. [2] The effective spray width of the spraying system depends on the actual working scene. [3] Working height is 3 m, disc rotation speed is 1100 rpm, uniformity requirement (CV<30%) measured broadcast width is 10 m. The faster the disc rotation speed, the higher the flight altitude, the larger the broadcast width. [4] Includes the weight of ropes and hooks. Measured at sea level, the DJI Agriculture App will intelligently recommend the loading weight based on the current state of the aircraft, environmental conditions, and operational tasks. The maximum weight of the loaded material should not exceed the recommended value, as it may affect flight safety. [5] The effective working range of sensing distance, obstacle avoidance, and

	bypassing capabilities may vary due to different environmental lighting, rain, fog, and the material, location, and shape of the subject object. The downward sensing is used to assist in terrain-following altitude flight, while sensing in other directions is used for obstacle avoidance. Except for scenes without linear obstacles, if a collision occurs at speeds up to 13.8 m/s resulting in aircraft damage, responsibility can be determined through log analysis, and the aircraft may be eligible for free warranty if non-human causes are identified. If there are linear obstacles like wires or guy wires on power poles, please mark them as obstacles; otherwise, failure to bypass them will be the customer's responsibility. Note:1. The downward perception is used to assist terrain-following altitude flight. If a collision with an obstacle occurs below, it is considered the customer's responsibility.2. Due to the performance limitations of the safety system, the aircraft cannot actively avoid moving objects. Accidents in such scenes are considered the customer's responsibility. [6] Sea level height, environmental temperature between 15-40 degrees Celsius, time to charge the battery from 30% to 95%; fast charging is supported when the battery cell temperature is within the range of 15-75 degrees Celsius; charging time varies depending on input power, ASL, initial charge level, and other factors. [7] Positioning accuracy and reliability are affected by various factors, including equipment tilt, signal obstruction, multipath, number of satellites, geometric distribution, and atmospheric conditions. It is recommended to set up the equipment in open scenes, away from electromagnetic interference and multipath environments.