



AGRAS T40

One for All

The AGRAS T40 is equipped with the revolutionary Coaxial Twin Rotor design, enabling it to carry a spraying payload of 40kg and a spreading payload of 50 kg (70 L) . The aircraft is built in with a Dual Atomized Spraying System, DJI Terra, Active Phased Array Radar and Binocular Vision. It supports multiple missions from surveying, mapping, to spraying and spreading, helping you achieve ultimate precision in your agricultural operations.



T40 Spraying and Spreading System (up to 50kg payload)
Enhanced spraying and spreading efficiency for superior performance



T40 Intelligent Flight Battery



Powerful Computing Remote Controller



D12000iE Multifunctional Inverter Generator

50KG

50kg Spreading Payload
40kg Spraying Payload



Active Phased Array Radar + Binocular Vision



Dual Atomized Spraying System



Supports Flight Spraying/Spreading and RC Mapping

IPX6K

Core Modules IPX6K Protection Grade



EFI Generator 15% Fuel Saving

Authorized Distributor
Sales • Parts • Service

GRAINSCO
Grains Innovation & Solutions Co., Inc.

Call or message us for inquiries:
0917-101-8888 / 0919-088-8881

1. Aircraft Parameters:

- Total Weight: 38 kg (without battery), 50 kg (with battery)
- Max Takeoff Weight: 90 kg for spraying, 101 kg for spreading
- Max Diagonal Wheelbase: 2184 mm
- Dimensions: Vary depending on the configuration

2. Hovering Accuracy Range:

- RTK Positioning Enabled: ±10 cm horizontal, ±10 cm vertical
- RTK Positioning Disabled: ±60 cm horizontal, ±30 cm vertical

3. Hovering Time:

- Without Payload: 18 min
- Spraying with Full Payload: 7 min
- Spreading with Full Payload: 6 min

4. Max Flight Radius: 2000 m

5. Max Wind Resistance: 6 m/s

6. Propulsion System:

- Motor: Stator size 100×33 mm, Motor power 4000 W/rotor
- Propeller: Diameter 54 inch, Rotor Quantity 8

7. Dual Atomized Spraying System:

- Operation Box Capacity: 40 L
- Operating Payload: 40 kg
- Sprinkler Quantity: 2
- Droplet Size: 50-300 μm
- Max Effective Spray Width: 11 m

8. T40 Spreading System:

- Applicable Materials: Solid dry particles with a diameter of 0.5 to 5 mm
- Spread Tank Volume: 70 L
- Spread Tank Internal Load: 50 kg
- Spread Width: 7 m

9. Active Phased Array Omnidirectional Radar:

- Terrain Follow: Max incline 30°
- Obstacle Avoidance: Sensible distance 1.5-50 m, FOV 360° horizontal, ±45° vertical

10.Active Phased Array Backward and Downward Radar:

- Altitude Detection: Range 1-45 m, Fixed altitude range 1.5-30 m
- Rear Obstacle Avoidance: Sensible distance 1.5-30 m, FOV ±60° horizontal, ±25° vertical

11.Binocular Vision System:

- Measurable Range: 0.4-25 m
- Effective Sensing Speed: ≤7 m/s
- FOV: Horizontal 90°, Vertical 106°

12.Intelligent Remote Controller:

- Operating Frequency: 2.4 GHz, 5.7-5.8 GHz
- Signal Effective Distance: Varies (4 km to 7 km)
- Wi-Fi Protocol: Wi-Fi 6
- Bluetooth Protocol: Bluetooth 5.1

13.DJI Portable Charger:

- Charging Time: Two hours for internal and external batteries

14.T40 Intelligent Flight Battery:

- Capacity: 30000 mAh
- Voltage: 52.22 V
- Weight: Approx. 12 kg

15.D12000iE Multifunctional Inverter Generator:

- Output Channel: DC charging, power supply, AC output
- Battery Charging Time: 9-12 minutes for one T40 battery
- Fuel Tank Capacity: 30 L
- Max Power of Engine: 12000 W
- Fuel Type: Unleaded gasoline with RON ≥ 91

The DJI Agras T40 is an advanced agricultural drone with impressive specifications and intelligent features. It aims to revolutionize farming practices by offering exceptional capabilities to farmers. With its dual atomized spraying system and Coaxial Twin Rotor design, the T40 can carry a 40 L operation spray tank and a 40 kg payload, ensuring precise spraying with droplet sizes ranging from 50-300 μm and an effective spray width of 11 m. It also has a spreading system for solid dry particles, with a 70 L spread tank and a 50 kg spreading load. Equipped with intelligent features like an active phased array omnidirectional radar and a binocular vision system, the T40 provides comprehensive coverage and accurate measurements for terrain follow, obstacle avoidance, altitude detection, and rear obstacle avoidance. It is operated using an intelligent remote controller with a range of 4 km to 7 km, supporting Wi-Fi 6 and Bluetooth 5.1 protocols for seamless connectivity. The drone has a flight time and can cover 1 hectare ranging from 7 minutes with a full spraying payload to 6 minutes with a full spreading payload. Powered by a 30000 mAh intelligent flight battery, the T40 can be charged in approximately two hours using the DJI Portable Charger. Additionally, the D12000iE multifunctional inverter generator serves as a power supply and battery charger, with a quick charging time of 9-12 minutes for one T40 battery. The T40 supports multiple missions, including surveying, mapping, spraying, and spreading, enabling precise agricultural operations. In summary, the DJI Agras T40 is a powerful and intelligent agricultural drone that empowers farmers with precision spraying and spreading capabilities, advanced obstacle avoidance systems, and long-range remote control. It is poised to significantly enhance crop management and productivity in modern farming practices.