

Certificates



Customers Feedback



山东兆源智能科技有限公司
Shandong Joyance Intelligence Technology Co., Ltd.
Address: 3/F, 3/Bldg, 13426 Yuqing Str, Weifang,
Shandong 261061, China



JOYANCE



DRONE BROCHURE

Joyance Drones Satisfy Farmers' Desire

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Shandong Joyance Intelligence Technology Co., Ltd.

▶▶ Company Profile





- ▶ Shandong Joyance Intelligence Technology Co., Ltd. is a professional and leading drone agricultural sprayer manufacturer located in China. Since 2012, Joyance Tech has focused on the research & development of sprayer drones and UAV application solutions. Our products have obtained CE, FCC, RoHS, ISO 9001 certifications along with 18 national patents and 7 software copyrights. We have users and agents in more than 90 countries and have received significant positive feedback.
- ▶ Our sprayer drones, spreading drones, fogger drones, and biological control drones are widely used in agricultural spraying, seeding, pest control, and public disinfection. After several years of development, we have expertly designed 10 liters, 16 liters, 20 liters, 30 liters, 40 liters, 50 liters capacity sprayer drones, hybrid drone, cleaning drones with approximately 200 units of production per month. The drones undergo 100% indoor and flight tests to ensure they are qualified and ready to fly before delivery.
- ▶ We offer professional technicians who can provide online and on-site training for free. Our parts are modular designed, which makes the drones easy to maintain. We also offer professional engineering support, a high-efficiency sales team and superior competitive pricing that can supports fast response time and one-on-one technical guidance.

Drone Models

►► Hot sale

Product Name	JT16L- 404QC	JT20L- 404	JT30L- 606	JT40L- 404	JT50L- 404
Picture					
Pesticide Load	16 liters	20 liters	30 liters	40 liters	50 liters
Drone Net Weight	18kg	18kg	27.5kg	48.4kg	31.8kg
Take Off Weight	40kg	44kg	67kg	88.4kg	41.3kg
Spray Width	5~6m	5~6m	8~10m	10~12m	10~12m
Battery	14S 20000mAh	14S 20000mAh	14S 28000mAh	18S 30000mAh	18S 30000mAh
Spray Efficiency	8~10 Ha/Hour	9~11 Ha/Hour	12~15 Ha/Hour	16~18 Ha/Hour	18~20 Ha/Hour
Charging Time	10~15 minutes (35%~99%)	15 minutes (30%~95%)	20~25 minutes (35%~99%)	10-13 mintues (35%~99%)	8 mintues (30%~99%)
Machine Size	84*86*60cm	84*86*60cm	88*100*70cm	1520*1047*930cm	1520*1047*930cm

►► Other types

Product Name	JT16L-404 HB	Product Name	JT high pressure cleaning drone	JT Cleaning drone	Product Name	JT10L- 404QC
Picture		Picture			Picture	
Pesticide load	16 liters	Self weight	27.5kg	27.5kg	Pesticide Load	10 liters
Drone Net Weight	36kg	Water pump pressure	3000 PSI	750 PSI	Drone Net Weight	13kg
Service life	1000 hours	Spray flow	10L/Min	7L/Min	Take Off Weight	27kg
Spray width	6~8 meters	Flight time	8~10 minutes	15 minutes	Spray Width	4~5m
Flight time	60 minutes	Flying height	100m	Unlimited	Battery	12S 16000mAh
Cost	\$0.65 / hectare	Battery	14S 28000mAh	14S 28000mAh	Spray Efficiency	5~7 Ha/Hour
Spray efficiency	8~10 hectares/hour	Effective distance between nozzle to the building	0-4m	2-2.5 m	Charging Time	20~25 minutes for 2 batteries (35%~99%)
Machine size	80*80*74cm	Folded size	88*87*70cm	88*87*70cm	Machine Size	62*86*52cm

JT50L-404 (50 liters, 4 axles, 4 propellers)

Specifications

- ▶ Rated volume: 50L
- ▶ Spray width: 10-12m
- ▶ Spraying efficiency: 18-20 Ha/hour
- ▶ Battery model: 18s 30000 mAh



Specific features

- ▶ High quality centrifugal nozzles
- ▶ Spray degree 130°
- ▶ Droplet size 50~200um
- ▶ Impeller double tube flow meter
- ▶ 360 all-round obstacle avoidance radar



Standard Kit



H12 Pro remotecontroller
with 5.5" screen



Three batteries
and one charger



RTK antenna



Impeller doubletube
flow meter

Spraying and Spreading function 2 in 1

- ▶ Tank capacity: 80L
- ▶ Spreading rate: 5.5ha/H
- ▶ Endurance: 6bags/battery(40kgs/bag, 240kgs)
- ▶ Range: 6~15m (materials amplitude varies with height)
- ▶ Max speed:80kgs/min
- ▶ Applicable materials: 0.5~10mm diadry granules



High-precision weighing system

- ▶ Real-time residual material detection, more accurate operation
- ▶ Large capacity medicine box
- ▶ Extra large hopper, easily add a bag of fertilizer, 360° sowing.



Precise weighing module*4pcs

360° obstacle avoidance radar



Camera with 110° gimbal +LED light at night work



4 pcs Weighing module



360 all-round obstacle avoidance radar



Aluminum transport case

JT40L-404 (40 liters, 4 axles, 4 propellers)

Specifications

- ▶ Rated volume: 40L
- ▶ Spray width: 10-12m
- ▶ Spraying efficiency: 16-18 Ha/hour
- ▶ Battery model: 18s 30000 mAh



Specific features

- ▶ High quality centrifugal nozzles
- ▶ Spray degree 130°
- ▶ Droplet size 50~200um
- ▶ Ultrasonic Double Tube Flow Meter
- ▶ Front and rear obstacle avoidance radar



Standard Kit



One remote controller
with 5.5" screen



Two batteries
and one charger



RTK antenna



Ultrasonic flow meter
Accurate flow detection

Spraying and Spreading function 2 in 1

- ▶ Tank capacity: 70L
- ▶ Spreading rate: 5.5ha/H
- ▶ Endurance: 6bags/battery(40kgs/bag, 240kgs)
- ▶ Range: 6~15m (materials amplitude varies with height)
- ▶ Max speed:80kgs/min
- ▶ Applicable materials: 0.5~10mm diadry granules



Precise weighing module

- ▶ Real-time detection of remaining
- ▶ Real-time detection of remaining material weight



Front and rear FPV(camera+led light)



4 pcs Weighing module



Front and rear obstacle avoidance radar & terrain following radar



Aluminum transport case

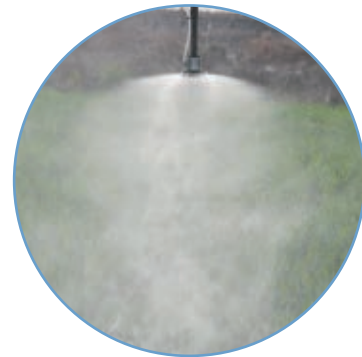
JT30L-606 (30 liters, 6 axles, 6 propellers)

Specifications

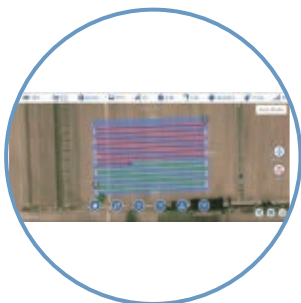
- ▶ Tank capacity: 30L
- ▶ Sprayer width: 8~10M
- ▶ Spray efficiency: 12~15 Hectares/hour
- ▶ Obstacle avoidance function



High pressure nozzles and centrifugal nozzles are available



Standard Kit



App software



One remote controller with 5.5" screen



1 set 14s 28000mAh smart battery



1 set dual way quick charger

Application scenarios



**FPV
Camera+led light**



**Obstacle avoidance
radar & terrain
following radar**



**Maintenance
repair toolkit**



**Aluminum
transport case**

JT16L-404QC

(16 liters, 4 axles, 4 propellers)

Specifications

- ▶ Spray width: 5~6m
- ▶ Battery: 14s 20000mAh*1
- ▶ Spray efficiency: 8~10 Ha/Hour
- ▶ Charging time: 10~15 minutes (35%~99%)



Buying advice:

- ▶ Suitable for spraying large lands,
 - ▶ Fruit trees and spraying service use.
 - ▶ Suitable for spraying plains, hills, mountains.
- Spraying and Spreading function 2 in 1.

Standard Kit



App software



One remote controller
with 5.5" screen



1 set 14s 20000mAh
smart battery



1 set dual way
quick charger



FPV
Camera+led light



Obstacle avoidance
radar & terrain
following radar



Maintenance
repair toolkit



Aluminum
transport case

JT20L-404

(20 liters, 4 axles, 4 propellers)

Specifications

- ▶ Spray width: 6~7m
- ▶ Battery: 14s 20000mAh*1
- ▶ Spray efficiency: 9~11 Ha/Hour
- ▶ Charging time: 15 minutes (30%~95%)



Buying advice:

- ▶ Suitable for spraying large lands,
- ▶ Fruit trees and spraying service use.
- ▶ Suitable for spraying plains, hills, mountains.

Spraying and Spreading function 2 in 1.

Standard Kit



App software



One remote controller with 5.5" screen



1 set 14s 20000mAh smart battery



1 set dual way quick charger



FPV Camera+led light



Obstacle avoidance radar & terrain following radar



Maintenance repair toolkit



Aluminum transport case

JT16L-404 HB

Hybrid drone sprayer



- ▶ Four-axis folding drone frame & vertical unplugging medicine box
- ▶ Centrifugal & pressure nozzles are optional
- ▶ HD screen intelligent remote controller
- ▶ HD camera & bright LED
- ▶ Terrain following radar & obstacle avoidance radar
- ▶ Low battery alarming & low fuel alarming

60 minutes
Long flight time

\$ 0.65
Per hectare cost

1000 hours
Super long life

▶ Advantages of hybrid drone sprayer:



16L Hybrid drone sprayer

=



20L Batteries powered drone sprayer

+



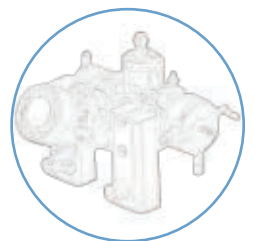
5 Batteries

+



2 Chargers

+



Generator

▶ Original water-cooled EFI engine technology

- ▶ Long battery life | Low operating cost | Long engine life
- Water cooling adaptive cooling system
- Electronic fuel injection ECU | Ignition technology | No waiting for ignition
- Fuel saving | High reliability

JT10L-404QC (10 liters, 4 axles, 4 propellers)

Specifications

- ▶ 5~7 hectares/hour
- ▶ Quick pluggable tank
- ▶ Smart battery-quick charge
- ▶ Autonomous flight, multilingual App



Buying advice:

- ▶ Suitable for small lands, beginners,
- ▶ easy to operate.
- ▶ Low cost

Standard Kit



App software



One remote controller



12S 16000mAh



1 set dual way quick charger



FPV Camera+led light



Obstacle avoidance radar & terrain following radar



Maintenance repair toolkit



Aluminum transport case

JT high pressure cleaning drone

Product name: JT high pressure cleaning drone

- ▶ Self weight: 27.5kg
- ▶ Water pump pressure: 3000PSI
- ▶ Effective distance between nozzle to the building: 0-4 m
- ▶ Spray flow: 10L/Min
- ▶ Flight time: 8~10 minutes
- ▶ Flying height: 100m
- ▶ Battery: 14S 28000mAh



Buying advice:

- ▶ Drone cleaning machines have the following features: safety, efficiency, low cost, environmental protection, real-time monitoring, flexibility, and accuracy.

Standard Kit



One remote controller with 5.5" screen



High pressure pump



1 set 14s 28000mAh smart battery



1 set dual way quick charger



FPV Camera+led light



120m explosion-proof water pipe



1.5 M spray boom
There are 25°, 90° and straight nozzles available



Aluminum transport case

JT Cleaning drone

Product name: JT30L Cleaning drone

- ▶ Self weight: 27.5kg
- ▶ Water pump pressure: 750PSI
- ▶ Effective distance between nozzle to the building: 2-2.5 m
- ▶ Spray flow: 7L/Min
- ▶ Flight time: 15 minutes
- ▶ Flying height: unlimited
- ▶ Battery: 14S 28000mAh



Standard Kit



H12 remote controller with FPV camera



30L water tank



Pump*1



1.5 M spray boom
There are 25°, 90°, and straight nozzles available



1 set 14s 28000mAh smart battery



1 set dual way quick charger

