Super Sabre M Series

M50 Agricultural Drone



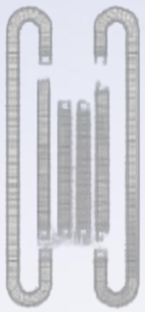
Basic Version


Remote Control *1


Centrifugal Nozzles *2


Water Pump


GNSS


Water Pipe


FPV Camera + Night Navigation Lights





Package Dimensions M50
Cardboard Transport Case


Weight Sensor


Flight Control System


Electromagnetic Flowmeter


Pipe Fitting

Standard Version
Additional Configuration


Obstacle Avoidance Radars *2


Terrain-following Radar *1


Antenna Receiver

High Configuration Version
Additional Configuration


Obstacle Avoidance Radar *1


Terrain-following Radar *1


360° Obstacle Avoidance Radar


Antenna Receiver

M50 Model - Specifications

1. Aerial Platform	
Dimensions (folded)	1240*840*872 mm
Dimensions (unfolded)	2919*3080*872 mm
Weight (excluding battery)	34 kg
Weight (including battery)	49 kg
Waterproof Grade	IP67

2. Flight Parameters	
Max. Take-off Weight	99 kg
Max. Flight Speed	15 m/s
Max. Flight Altitude	≤ 20 m
Hovering Duration	28 mins (with no-load)
	7 mins (with full-load)

3. Spraying System		
Liquid Tank	Capacity	50 L
Nozzles	Nozzle Type	Centrifugal Nozzles
	Quantity	2
	Spray Width	8~20 m
	Atomizing Size	30~400 μm
Pump	Quantity	2
	Max. System Flow Rate	20 L / min

4. Spreading System	
Capacity	70 L
Waterproof Grade	IP67
Applicable Granule Size	1~10 mm

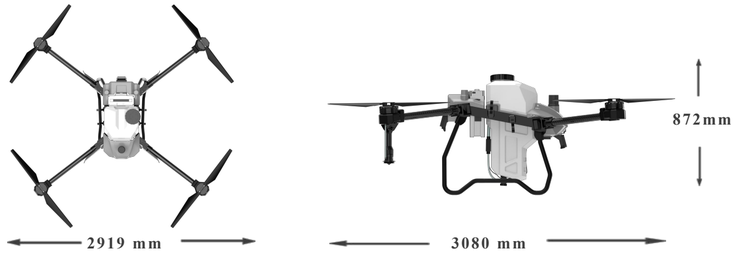
5. Propulsion System		
Motor	Max. Tension (single motor)	56 kg
Foldable Propeller	Model	5620
Electronic Speed Controller	Max. Continuous Operating Current	120 A
	Max. Operating Voltage (18S Lipo)	60.9 V

6. Obstacle Avoidance System		
Front and Rear Obstacle Avoidance Radar	Quantity	2
	Relative Height of Safe Obstacle Avoidance	≥ 2 m
	Relative Speed of Sale Obstacle Avoidance	≤ 8 m/s
Terrain-following Radar	Quantity	1
	Max. Gradient (at flight speed of ≤ 2 m/s)	45°
360° Obstacle Avoidance Radar	Quantity	1
	Obstacle Avoidance Angle (upward)	360°

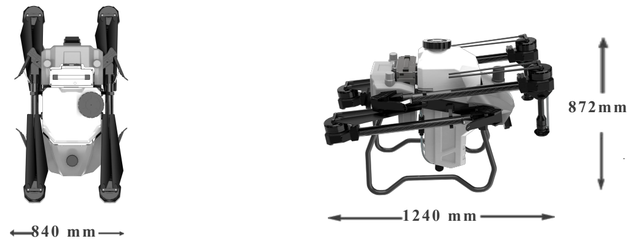
7. Camera	
Camera Type	HD FPV Camera
Video Resolution	1920*1080 px
Night Navigation	High Brightness Night Flight Lights

8. Remote Control	
Model	H12 (Android OS)
Remote Controller	5.5-inch Screen, 1920×1080, 1,000cd/㎡
Max. Signal Range (no interference / obstruction)	5 km
Operating Frequency	2,400~2,483 Ghz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Duration	6~20 H
Compatible Device	H32X, H40X, H120, H160, Series M

Dimensions（unfolded）



Dimensions（folded）



9. Power System		
Intelligent Battery	Quantity	1
	Model	18S 30000mAh
	Size	275*120*330 mm
	Weight	15 kg
	Ambient Temperature for Charging	10~45℃
Smart Charger	Quantity	1
	Model	L6025P
	Charging Input	110V-240V 1200W*2
	Charging Output	55A (single-channel charging)
	Rated Power	9000W