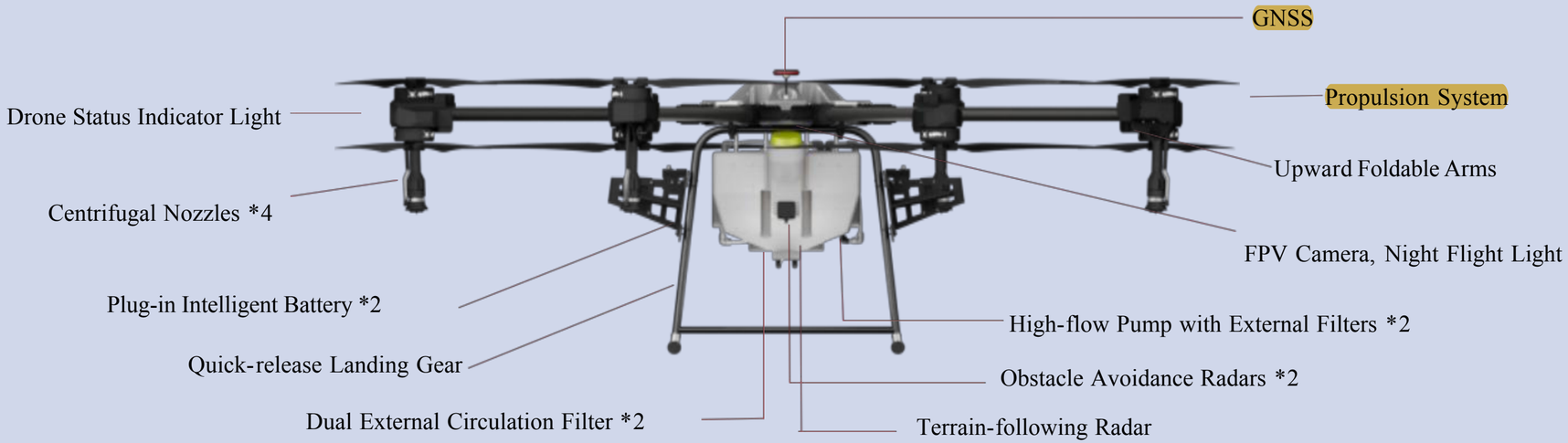
Hercules Series

H300（95L）Integrated Agricultural Spray & Spread Drone

95L	95kg	35ha/h	120 kg
Liquid Capacity	Solid weight	Work Efficiency	Rated Payload




Obstacle Avoidance Radars *2


Terrain-following Radar


FPV Camera


Water Pump *2


Spreading disc (Optional)


Remote Control


Plug-in Intelligent Battery *2


Intelligent Charger *1


Flight Control


Marker


GNSS


Toolkit


Centrifugal Nozzles *4


Aluminium Transport Case (Optional)

H300 Agricultural Model - Specifications

1. Aerial Platform	
Dimensions (folded)	1010*870*2320 mm
Dimensions (unfolded)	3350*3350*990 mm (propeller folded) 4605*4605*990 mm (propeller unfolded)
Weight (excluding battery)	74 kg
Weight (including battery)	104 kg
Waterproof Grade	IP67

2. Flight Parameters	
Max. Take-off Weight	254 kg
Max. Flight Speed	15 m/s
Hovering Duration	20mins (with no-load)
	8mins (with full-load)

3. Spraying System		
Liquid Tank	Capacity	95 L
Nozzles	Nozzle Type	Centrifugal Nozzles
	Quantity	4
	Spray Width	8-15 m
	Atomizing Size	30~500 μm
Pump	Quantity	2
	Max. System Flow Rate	24L / min

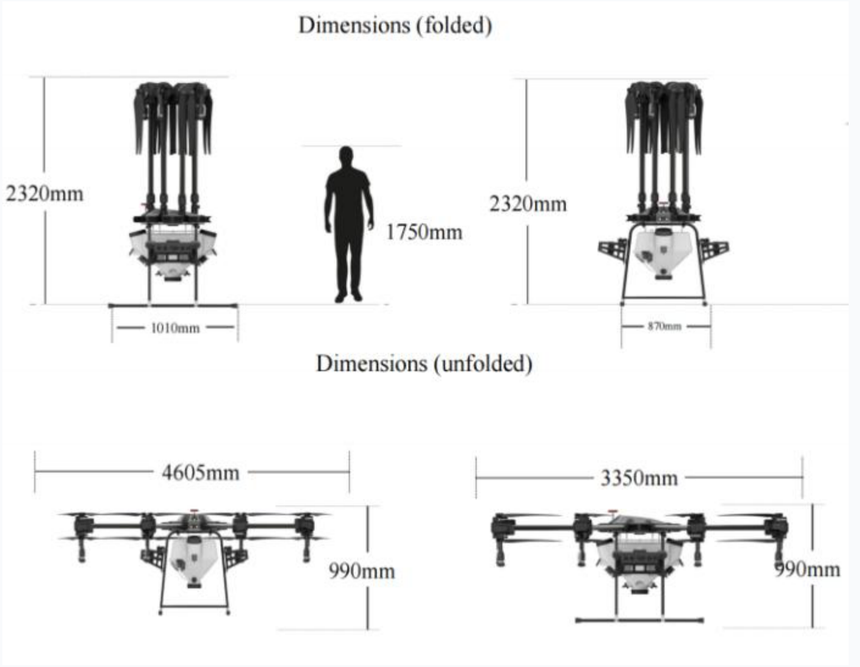
4. Spreading System	
Capacity	95 kg
Waterproof Grade	IP67
Applicable Granule Size	1~10 mm

5. Propulsion System		
Motor	Max. Tension (single motor)	56 kg
Electronic Speed Controller	Max. Continuous Operating Current	160 A
	Max. Operating Voltage (13S Lipo)	83V

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。

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)	5km
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



9. Power System		
Intelligent Battery	Quantity	1 pair (2 unit)
	Model	18S 30000mAh, *2
	Size	275*120*330 mm
	Weight	15 kg
	Ambient Temperature for Charging	- 40℃ ~ 65℃
Smart Charger	Quantity	1
	Charging Input	100V-240V
	Charging Output	120A
	Smart Charger	9000W

Hercules Series H300 Transport Drone

150 kg	120 kg	62 mins	44.6km
Max. Load Weight	Rated Load Weight	Max. Flight Time	Max. Flight Range




Remote Control


High Capacity Solid-state Battery *4


Intelligent Charger *2


GNSS


Flight Control


Dual-axis gimbal pod


Toolkit


#Drop Release + Gimbal Pod


#Transport Box + Gimbal Pod


Aluminium Transport Case (Optional)

#Represents: Choose One Option

H300 Transport Model - Specifications

1. Aerial Platform	
Dimensions (folded)	1010*870*2320 mm
Dimensions (unfolded)	3350*3350*990 mm (propeller folded) 4605*4605*990 mm (propeller unfolded)
Weight (excluding battery)	63kg
Weight (including battery)	107.8 kg
Waterproof Grade	IP67

2. Flight Parameters	
Max. Take-off Weight	257.8 kg
Max. Flight Speed	20 m/s
Max. Load Weight	**150 kg**
Rated Load Weight	**120 kg**

3. Propulsion System		
Motor	Max. Tension (single motor)	56 kg
Electronic Speed Controller	Max. Continuous Operating Current	120 A
	Max. Operating Voltage (18S Lipo)	78.3V

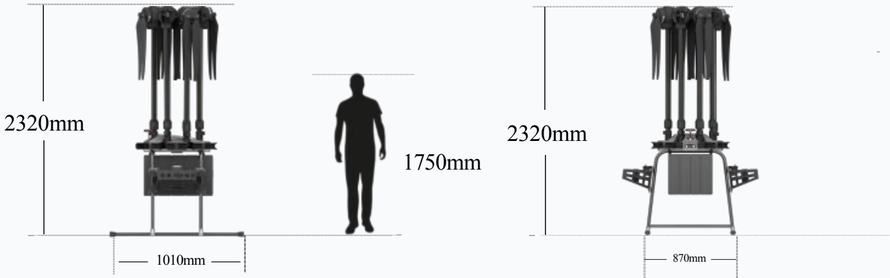
4. Remote Control	
Remote Controller	H12 Pro, 5.5-inch Remote Controller with Screen
Max. Signal Range (no interference / obstruction)	10 km
Operating Frequency	2,400~2,483 Ghz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Duration	6~20 H
Compatible Device	H32X, H40X, H120, H160, Series M

5. Transport Drone Payload/Duration/Range Theoretical Data		
Payload	Duration	Range
100 kg	23 mins	13.8 km
90 kg	28 mins	16.8 km
80 kg	32 mins	19.2 km
70 kg	35 mins	21 km
60 kg	40 mins	24 km
50 kg	45 mins	27 km
40 kg	50 mins	30 km
30 kg	55 mins	33 km
20 kg	58 mins	41.7 km
10 kg	60 mins	43.2 km
0 kg	62 mins	44.6 km

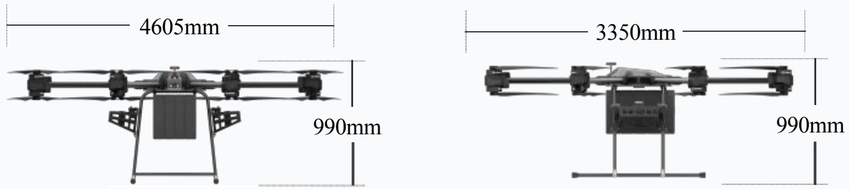
6. Camera	
Camera Type	14x Single-light Pod
Effective Pixels	12 Million
Lens Focal Length	14x Zoom
Min. Focus Distance	10 mm

7. Power System		
Intelligent Battery	Quantity	2 pair (4 unit)
	Model	18S 42000mAh, *4
	Size	218*138*204 mm
	Weight	11.2 kg
	Ambient Temperature for Charging	- 40℃ ~ 65℃
Smart Charger	Quantity	2
	Charging Input	110V-240V
	Charging Output	60A (single-channel charging)
	Rated Power	3000W

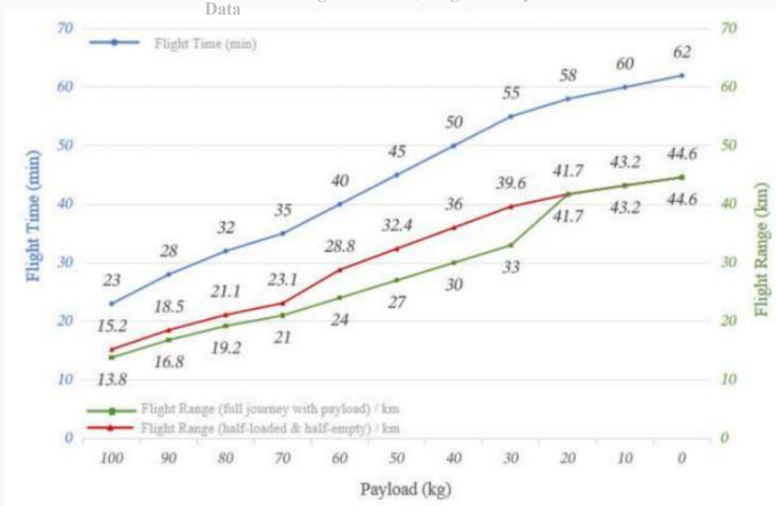
Dimensions (folded)



Dimensions (unfolded)



Spider-i H300 Transport Drone Theoretical Flight Duration,Range and Payload Data



*Due to factors such as altitude, temperature, and speed, flight data may vary. Please refer to the actual flight data for accuracy.