



DRONE SPRAYER FOR AGRICULTURE

CPXD-6R-16L Specifications

Dimensions	1720 mm x 1720 mm x 610 mm
	925 mm x 925 mm x 610 mm (<i>Arms Folded</i>)
SPRAY System	
Volume	16 Liter
Standard Operating Payload	16 Kg
Nozzle Model	Germany Ceramic Nozzle (<i>Max 1L/min adjustable</i>)
Nozzle Quantity	6
FLIGHT Parameters	
Total Weight	15.5 Kg (<i>Without Battery</i>)
Standard Takeoff Weight	37.5 Kg
Max Takeoff Weight	37.5 Kg (<i>At Sea Level</i>)
Max Thrust-Weight Ratio	1.41 (<i>with 37.5Kg takeoff weight</i>)
Battery Power	6S 22000mAh 25C 6S1P
Max Power Consumption	15774 W
Hovering Time*	21 min (<i>@22000 mAh & 21kg takeoff weight</i>)
	10 min (<i>@22000 mAh & 37.5 kg takeoff weight</i>)
	<i>*Hovering time acquired at sea level, with wind speeds lower than 3m/s.</i>
Max Operating Speed	8 m/s
Max Flying Speed	10 m/s
Max Service Ceiling Above Sea Level	2000 m
Recommended Operating Temperature	0°C to 40°C

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REMOTE Controller	
Model	XT32
Operating Frequency	2.400 GHz to 2.483 GHz
Max Transmission Range	3 km (<i>unobstructed, free of interference</i>)
EIRP	≤ 20 dBm
Built-in Battery	3000 mAh, 3.7V
Operating Temperature Range	-10°C to 40°C
Storage Temperature Range	Less than 3 months: -20 to 45°C
	More than 3 months: 22 to 28°C
Charge Temperature Range	5°C to 40°C
RADAR MODULE	
Detection Range	1 - 5 m
Working Range	1.5 - 3.5 m
Precision	< 10 cm
PROPULSION SYSTEM	
MOTOR	
Stator Size	81 x 20 mm
KV	100 rpm/V
Max Thrust	15.3 kg/Axis (<i>48V, Sea Level</i>)
Weight	180g

