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JTC10 Cleaning Drone Technical Specifications

Applications	**windows, glass, facades, roofs, solar panels**			
Flight altitude	**100m**			
Flight parameters	Flight altitude	0-100m		
	Ascent speed	5m/s		
	Spraying width	30-80cm/1nozzle		
	Spray speed	1m/s		
	Water flow	15L/m		
	Wind resistance level	Level 5		
	Waterproof grade	In moderate rain, the machine body can be washed with water		
	Spray washing area	Approx. 1000㎡/Hour（1*0.5*35*60=1050㎡）		
	Flight time	**Flight altitude**	**Flight time**	**Remaining power**
		No-load	55'	10%
		30m	35'23''	10%
		50m	27'35''	10%
		100m	21'15''	10%
	Flight Control	JOYANCE9, autonomous flight, autonomous operation function. The AB point setting of the three-dimensional surface is unique in the world.		

Configuration	Airborne RTK (Real-Time Kinematic)	Centimeter-level high-precision positioning + centimeter-level high-precision orientation enhances signal reception, enhances anti-magnetic interference capability, accurately controls flight altitude and trajectory, and ensures flight safety.
	Power	Power redundancy ensures longer and easier flight. With IPX6 protection rating and full potting for anti-corrosion and rust prevention, it adds a navigation light flashing display in case of power failure. The operating temperature range is -20~80℃.
	Propeller	2480 carbon fiber folding propeller
	Frame material	The entire aircraft is constructed with only two materials: carbon fiber and aviation aluminum alloy, consisting of four components: a carbon fiber fuselage, carbon fiber booms, carbon fiber landing gear, and 6061 aviation aluminum alloy folding parts. The carbon fiber ultra-light and super-tough frame ensures the total net weight of the fuselage is 7.8 kg, while enhancing aircraft strength by 60% and extending service life by 3-5 years.
	Battery	12S 320000MAHbattery, 320WH/KG, 4.7kg,44.4V,1420.8WH>= 800 cycles or 2
	Charger	Intelligent dual charging, charging 18 minutes/block (power above 95%)
	Remote Control	5.5-inch 1080P high-definition high-brightness touch display, 15KM wireless digital image transmission, size 189 x 138 x 41 mm (antenna folded), weight 850 g, 10200 mAh lithium-ion battery, charging 5 hours, working 13 hours. Support video recording and storage.
	Camera	PTZ control pitch range: -90°~+25°, camera lens 160° ultra-wide angle, high-definition starlight night vision function (starlight night vision means that the picture can be displayed brightly even in low light). Full scene three-proof - waterproof, anti-corrosion, anti-drug liquid, easy to clean and maintain. Support manual adjustment of PTZ angle.
	Water pump/oil pump (choose one)	Water pump:Permanent Magnet Variable Frequency (PMVF)，180V~240V, 0~4200 PSI Oil pump: 3200psi, 7.5HP, gasoline
	Water pipe	100m high pressure water hose, 7KG, 5800PSI, outer diameter 11mm, inner diameter 6mm
	Spray boom	Carbon fiber Spray boom 100cm，Carbon fiber Spray boom 50cm
	Nozzles	nozzles with options of 0°, 25°, and 40°, rotatable within 0-180°
Weight	Net weight	7.4KG
	Maximum load	10KG
	Maximum take-off weight	23.9KG
Drone size	Expanded size	133cm*133cm*53cm (With propellers)
	Folded size	50cm*50cm*53cm
	Wheelbase	108cm
Packing case	Aluminum box	Waterproof and fireproof aviation aluminum box
	Box size	96cm*91cm*74cm
	Box weight	About 90KG