

Specifications of C10	
General specifications	
Payload:	high-pressure cleaning system
Total weight (W/O batteries)	14,86 kg
Max. take-off weight	29 kg (Includes the maximum weight of the pipe that can be lifted. The pilot should consider the water's weight inside the pipe.)
Dimensions (arms & propellers unfolded)	1460 x 1020 x 610 mm
Dimensions (arms unfolded, propellers folded)	1380 x 940 x 610 mm
Dimensions (arms and propellers folded)	780 x 500 x 610 mm
Dimensions (arms and propellers folded with Spray lance)	1580 x 500 x 610 mm
Max. hovering time with standard battery	26 min (14,86 kg) 12.5min (29 kg)
GPS	GPS, GLONASS, Galileo, BeiDou
Hovering precision	±10 cm (RTK) ±2m (without RTK)
Rotor dimensions	30 x 11
Battery type	Li-Po Smart
Battery capacity	16000 mAh
Battery voltage	44.4V
Battery weight	4.2 kg
Battery charging time	min. 11 minutes
Battery charger	4 ports (2 balance)
Battery charger power	3000 W
Cleaning system (Optional)	
Cleaning system	Kärcher HD 7/17 M
Flow rate	700 l/h, approximately 12 l/m
Working pressure	170 / 17 bar/MPa
Max. pressure	255 / 25,5 bar/MPa

Spray lance	Removable for transport
Maximum height:	30 m (60 m – optional)
Motor type	2-pole, air-cooled electric motor
Water inlet	3/4"
Drive type	Electric
Weight (with accessories	31,9 kg
Weight incl. packaging	35,2 kg
Dimensions (L x W x H) (mm)	400 x 455 x 700

Execution of work

Intrusion protection	Limited water and dust resistance
Easy transportability	✓
Modular payload attachability	✓
Obstacle avoidance	According to pregenerated shapefiles
FPV camera	foldable
Camera resolution	FHD
Effective signal range of RC	~ 8 km
Altitude measurement	Barometric

Flight planning

Area and polyline shapefile import	✓
RTK base	Optional
Data security	✓
No data transmission to remote servers	✓

Frequency bands

Radio Control and Telemetry	2.4GHz
WLAN	2.4GHz
LoRA	862–1020 MHz

Flight

Max. pitch angle	30°
Max. level speed	20 m/s
Max. flight altitude (AMSL)	4500 m
Max. flight altitude (AGL)	120 m
Max. tolerable wind speed	10 m/s