

Specifications of S20	
General specifications	
Total weight (W/O batteries)	15.64 kg
Max. take-off mass	29 kg
Dimensions (arms & propellers unfolded)	1460 x 1020 x 670 [mm]
Dimensions (arms unfolded, propellers folded)	1380 x 940 x 670 [mm]
Dimensions (arms and propellers folded)	780 x 500 x 670 [mm]
Max. hovering time	26 min (18 kg) 12.5min (29 kg)
GPS	GPS, GLONASS, Galileo
Heading	Dual-RTK
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	4.2kg
Battery charging time	min. 11 minutes
Battery charger	4 ports (2 balance)
Battery charger power	3000 W
Max. spray tank allowance	6 litres
Spreader System	
Total weight	3.52 kg
Spreader weight	1.88 kg
Tank weight	1.64 kg
Support particle diameter	0.5-6.0mm (Dry granules)
Valve angle	0-60°

Maximum speed	1100r/min
Spread wide	12m
Spreading system power	120W
Working temperature	0-40°C
Tank capacity	20L
Execution of work	
Technology developed for European Agricultural conditions	
Intrusion protection	Limited water and dust resistance
Easy transportability	
Modular payload attachability	
Obstacle detection and collision avoidance	3D, LiDAR based (ABZ sense)
FPV camera	Wide angle, vertically adjustable (0-180°)
Camera resolution	FHD
Effective signal range of RC	~3,5 km
Altitude measurement	LiDAR
Flight planning	
Software source code	Open
Spot spreading	
Area shapefiles import	
Line shapefiles import	
Software compatibility	Multiple

RTK base	Optional Emlid RS mobile base station
Data security	
No data transmission to remote servers	
Frequency bands	
Radio Control and Telemetry	2.4GHz
WLAN	2.4GHz
Flight	
Max. pitch angle	30°
Max. operating flight speed	7 m/s
Max. level speed	15 m/s
Max. flight altitude (AMSL)	4500 m
Max. flight altitude (AGL)	120 m
Max. tolerable wind speed	10 m/s