

SELF PROPELLING AERIAL SPRAYING ROBOT (M80L-18)

Technical specification



2024-V1.0

1. Main technical parameters

Item	parameter
Whole machine weight	9450kg
Overall dimensions (length, width, height)	6.7m×2.46m×2.7m
Maximum working height	18m
Maximum working range	8.5m
Maximum crossing height	8m
Ground clearance	≥240mm
Power source	Pure electric
Battery life	≥8h
Maximum driving speed	≥6 km/h
Gradeability	45%
Tire model	33×12 D610 foam-filled tire
Hydraulic oil tank	75L
Remote control operation for getting on the vehicle	≥300m, with image transmission display screen (optional remote control distance up to 1000m)
Rotating angle of the turntable	400° discontinuous

3. Waterway system

Item	Parameter			
Fire monitor model	PLKD8/80			
Jet flow rate	4800L/min			
Rated range of fire monitor	$\geq 85\text{m}$			
Fire monitor elevation angle	$-10^{\circ} \sim +90^{\circ}$			
Telescopic water pipe	High-strength aluminum alloy tube			
Waterway joint	function	specifications	quantity	notes
	water inlet	DN80	4	Optional electric control trip device

4. Electrical and safety protection system

	Item	Parameter
driving system	battery	24×2V/440Ah
	charger	48V/60A
	Drive motor	AC 32V/3.3kw
	Lifting motor	AC 32V/10kw
Safety protection	Start-stop buffer control	Achieve gentle start and stop, and limit speed in extreme areas to reduce structural impact
	Fire monitor installed for fire scene monitoring	Realize real-time monitoring and transmission of fire scenes
	IP67 mobile AC motor	Good waterproof performance
	Mid arm bracket	Structural unbiased load
	Wide tower arm design	Stronger rigidity, smoother movement
	Integrated turbine and worm gear	The rotary deceleration mechanism ensures smoother rotation
	Independent emergency power system	Provide more security protection
	Radar obstacle avoidance function	Provide hazard warning and slow down when obstacles are detected
Maintenance	Fault Diagnosis System	Sporadic faults are immediately apparent
	Submerged layout	Convenient for maintenance and repair
	Self-lubricating slider and bearing	Achieve complete machine lubrication-free, making maintenance simpler

5. Documents

No.	name	quantity
1	operation instructions	1 copy
2	List of tools provided with the vehicle	1 copy
3	List of spare parts and accessories included with the vehicle	1 copy
4	Product certificate	1 copy
5	packing list	1 copy