

SPRAYERS

500L Remote-Controlled Track-Mounted Airblast Sprayer

Model 500L

Technical Specifications & Product Selection

**8.1 kW**

Engine rated power

500L

Spray tank capacity

Product code: RYKDYJ500L

Contents

Technical specifications	3
Structure & configuration	4
Application & product selection	5
Product views	6
Components & interfaces	7
Structural decomposition	8

Tank, pump and spray quantities

Tank capacity, pump flow and pressure, air delivery, range and machine speed describe different characteristics. A tank size is not a guaranteed field capacity or runtime. Only expressly stated fluid, terrain and power compatibility applies.

Start with the complete specifications on page 3. Review the actual configuration and supported options, then compare the product with the intended application.



CORE PRODUCT DATA

Technical specifications

500L Remote-Controlled Track-Mounted Airblast Sprayer / Model 500L

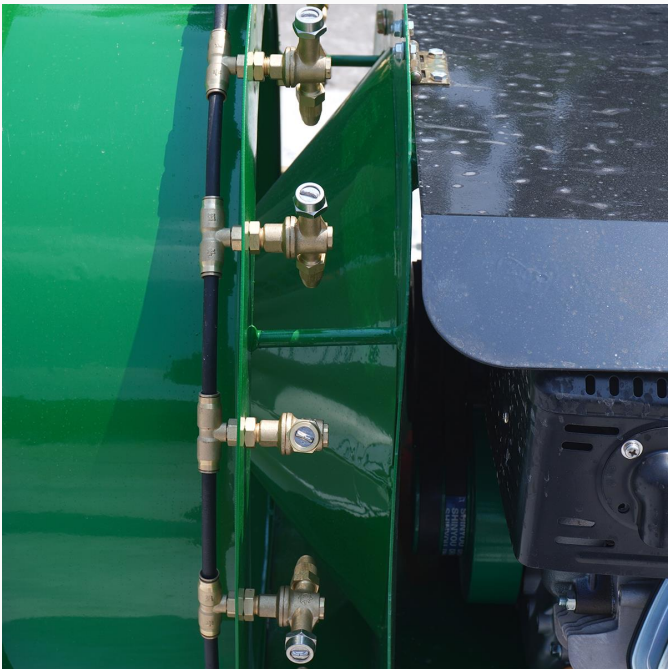
Specification	Product data
Model	500L
Engine	Loncin G420F
Engine rated power	8.1 kW
Engine rated speed	3600 r/min
Travel drive	Brushless motor drive
Drive motor	48V1200 W x 2
Battery specifications	48V65A battery extended travel
Range-extender generator	5kw extended range generator
Number of nozzles	12 pieces
Spray Radius	8-10m
Spray tank capacity	500L
Spray pump	60 type three plunger pump



SPRAYERS

Structure & configuration

Component / configuration	Function / scope
Medicine box sealing lid	Sealed filling port to prevent leakage of the liquid medicine.
Large-capacity liquid tank	Store the working solution to ensure continuous spraying.
Axial-flow spray fan	It generates a powerful airflow, expanding the spray coverage.
Main load-bearing framework	Secure the core components to ensure overall machine stability.
Electrical control power supply box	Centrally protect electrical components and control circuits.
Application overview	Designed for row-based plant protection, the tracked sprayer moves through orchard, vineyard, citrus, and nursery service lanes. Its rear fan and circular nozzle layout direct fine mist toward surrounding foliage, while remote operation lets the worker supervise from a separate, safer position outside the immediate spray path.
Component groups	Pump unit protective cover; High-pressure spray pump unit.



SPRAYERS

Application & product selection



Fine mist protects nursery plants along organized growing beds.; Air-assisted spray covers vines through narrow vineyard rows.; Wind-assisted mist reaches apple canopies across broad orchard rows.; Tracked spraying follows citrus lanes with steady, even coverage..

Selection input	Review together
Application and liquid	Actual crop/site and proposed liquid against the stated sprayer purpose.
Spray and power version	Specified tank, pump, fan/nozzles, engine or electrical configuration.
Access and controls	Machine envelope and expressly stated travel, slope and control arrangement.

Ordered configuration

Retain the exact model, specification option and included accessory scope in the written order.
Application photographs illustrate context, not inclusion of adjacent items.



SPRAYERS

Product views

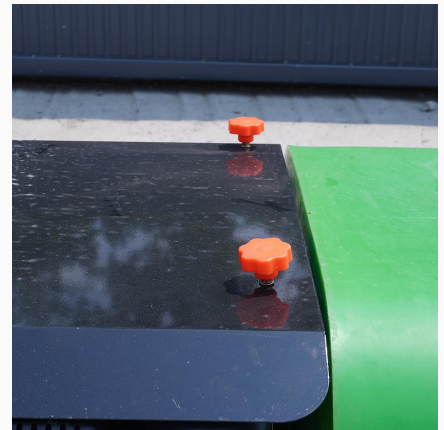
Grouped views identify the product form and its application setting.



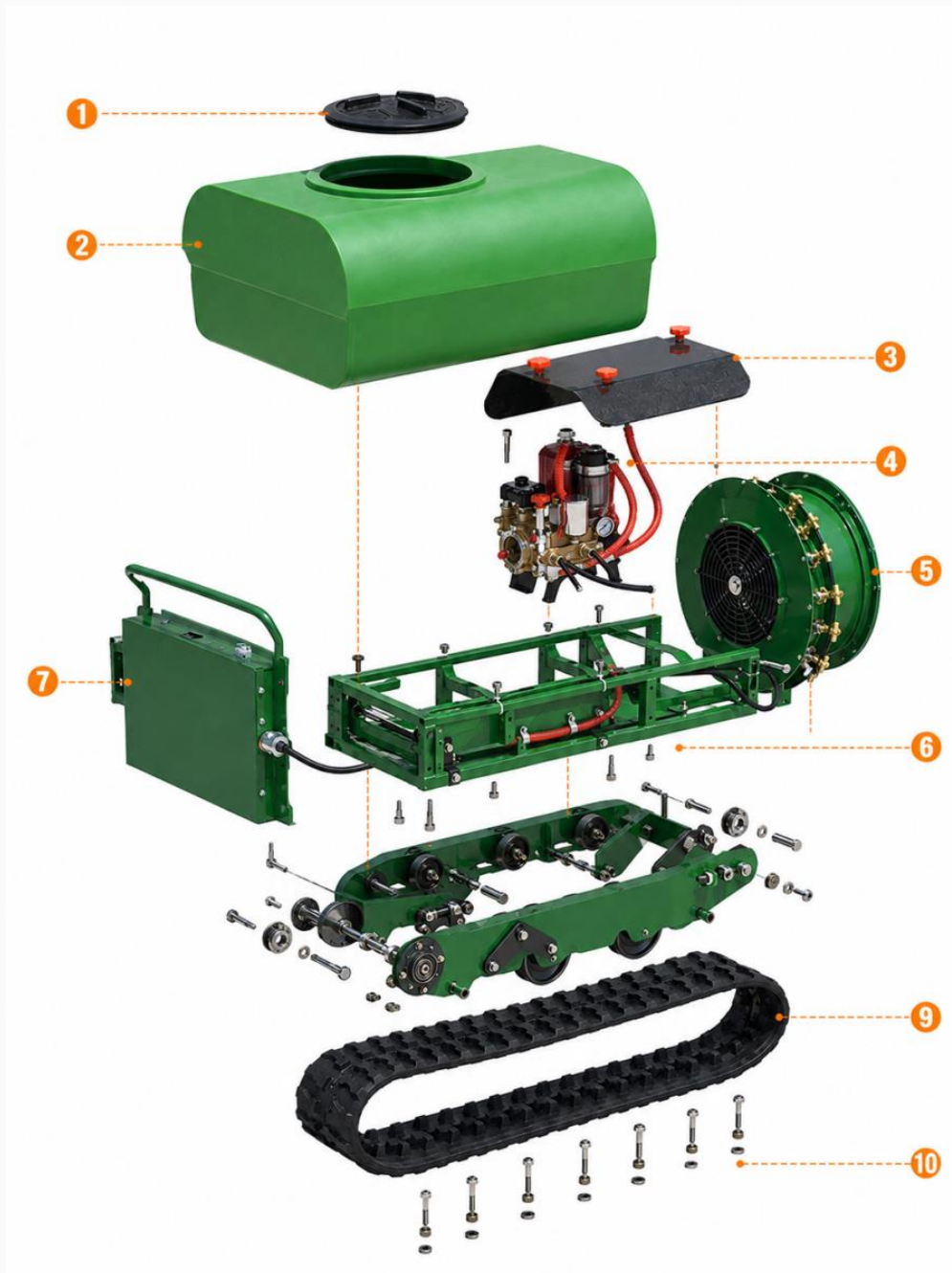
SPRAYERS

Components & interfaces

Grouped detail views identify the fitted components and interfaces.



Structural decomposition



Assembly relationships

The separated view identifies the product groups and their arrangement. Match the illustrated groups to the exact model and ordered configuration. This is a structural overview, not a dismantling or repair procedure.