

# BOOM SPRAYER

500



**NEW**

## SCOPE OF APPLICATION

IT IS SUITABLE FOR FULL-SPRAY OPERATION OF CROP, INSECT, GRASS DAMAGE CONTROL, FOLIAR FERTI-LIZER AND PLANT REGULATOR IN WHEAT, CORN, RICE, POTATO AND OTHER FIELDS.

## PERFORMANCE CHARACTERISTICS

1. LIGHTWEIGHT DESIGN OF HIGH-STRENGTH CHASSIS, LOW POWER CONSUMPTION, HIGH TORSIONAL TENSILE STRENGTH.
2. GROUND CLEARANCE OF 950-1100 MM, A WIDE RANGE OF APPLICATIONS.
3. THE WHEELBASE DESIGN OF UP TO 2 METERS MAKES THE DRIVING MORE STABLE AND SAFER ACROSS THE DITCH.
4. FOUR-WHEEL DRIVE, FOUR-WHEEL STEERING, FRONT AND REAR DIFFERENTIAL LOCKS, THROUGH THE ABILITY, ADAPTABILITY IS STRONGER.
5. CONFIGURE THE IMPORTING HIGH-POWER DIESEL ENGINE, THE POWER IS STRONGER, THE EMIS-SIONS ARE CLEANER, AND THE DRIVING IS EASIER.
6. THREE-SECTION, AUTOMATIC LIFTING, ANTI-COLLISION, INDUSTRIAL GRADE ALUMINUM ALLOY SPRAY BAR WITH A SPRAY WIDTH OF 12 METERS, GOOD BALANCE AND STRONG RESISTANCE TO BUMPS.
7. A FULL SET OF IMPORTED SPRAY SYSTEM, STABLE PERFORMANCE, UNIFORM ATOMIZATION, IN LINE WITH INTERNATIONAL STANDARDS.
8. THE WHOLE MOLDING 500-LITER ENGINEERING PLASTIC MEDICINE BOX IS ANTI-AGING, CORRO-SION-RESISTANT AND DURABLE. BUILT-IN AUTOMATIC LIQUID MIXING SYSTEM KEEPS THE LIQUID EVENLY.

## TECHNICAL PARAMETER

	Model	500	800
Complete machine	Dimension (mm)	4500×1850×2700	4500×2200×2980
	Weight (kg)	1350	2000
	Spraying Wide (m)	10 (Spraying Range12)	17 (Spraying Range18)
	Working Pressure (Mpa)	0.3 ~ 0.5	0.3 ~ 0.5
	Wheelbase (mm)	2000	2200
	Trade (mm)	1550	1750
	Ground clearance(mm)	950	1150
	Tire Diameter(mm)/Type	950/Solid Tire	1150/Air Inflation
Matched Power	Type	3-cylinder Water-cooled Diesel Engine	Vertical Four-stroke Diesel Engine
	Stanard Power (kW/(r/min))	16.4/3200	36.8/2400
	Method of Staring	Electric Starting	Electric Starting
Matched Pump	Type	3-cylinder Plunger Pump	Diaphragm Pump
	Speed (rpm)	900	550
	Flow (L/min)	46	100
	Working Pressure (Mpa)	2.5 ~ 4	0 ~ 2.5
Chemical Tank	Tank Capacity (L)	500	800
	Mixing Mode	Jet Mixing	Jet Mixing

800



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## SCOPE OF APPLICATION

IT IS SUITABLE FOR FULL-SPRAY OPERATION OF CROP, INSECT, GRASS DAMAGE CONTROL, FOLIAR FERTI-LIZER AND PLANT REGULATOR IN WHEAT, CORN, RICE, POTATO AND OTHER FIELDS.

## PERFORMANCE CHARACTERISTICS

1. LIGHTWEIGHT DESIGN OF HIGH-STRENGTH CHASSIS, LOW POWER CONSUMPTION, HIGH TORSIONAL TENSILE STRENGTH.
2. THE GROUND CLEARANCE IS 1.15 METERS, WHICH IS APPLICABLE TO A WIDE RANGE.
3. THE WHEELBASE DESIGN OF 2.2 METERS LONG MAKES THE DRIVING MORE STABLE AND SAFER ACROSS THE DITCH.
4. FOUR-WHEEL DRIVE, FOUR-WHEEL STEERING, FRONT AND REAR DIFFERENTIAL LOCKS, THROUGH THE ABILITY, ADAPTABILITY IS STRONGER.
5. CONFIGURE THE IMPORTING HIGH-POWER DIESEL ENGINE, THE POWER IS STRONGER, THE EMISSIONS ARE CLEANER, AND THE DRIVING IS EASIER.
6. THE THREE-STAGE, HYDRAULIC LIFTING SNEEZE WITH A SPRAY WIDTH OF 18 METERS HAS GOOD BALANCE AND STRONG RESISTANCE TO BUMPS. AN ALUMINUM SNEEZE WITH A WIDTH OF 12 METERS IS ALSO AVAILABLE.
7. A FULL SET OF IMPORTED SPRAY SYSTEM, STABLE PERFORMANCE, UNIFORM ATOMIZATION, IN LINE WITH INTERNATIONAL STANDARDS.
8. THE OVERALL SHAPE OF 800 LITER ENGINEERING PLASTIC MEDICINE BOX, ANTI-AGING, CORRO-SION RESISTANCE, DURABLE. BUILT-IN AUTOMATIC LIQUID MIXING SYSTEM KEEPS THE LIQUID EVENLY.

## TECHNICAL PARAMETER

	Model	500	800
Working	Driving Mode	Four Wheel Drive、 Four Wheel Steering	Four Wheel Drive、 Four Wheel Steering
	Working Gear	6 Forward、 2 Backward	6 Forward、 2 Backward
	Clutch Assy	Dry Monolithic Clutch	Dry Monolithic Clutch
	Advance Speed (KM/H)	1.2 ~ 19.2	0 ~ 17
	Reverse Speed (KM/H)	1.4 ~ 5.8	0 ~ 12
	Gear Position	Low Gear Position	Low Gear Position
	Type	Fan-shaped sprinkler Nozzle	Fan-shaped sprinkler Nozzle
	Spray Angle	110°	110°
Matching Sprinkler Nozzle	Single Nozzle Flow (min)/0.5mpa	11003:1.52;110015:0.76	11003:1.52;110015:0.76;
	Interval Distance (mm)	500	500
	Number	22	35
Suction Pump	Type	Self Priming Pump	Self Priming Pump
	Flow (L/min)	50	100
	Suction Pressure (kgf/cm <sup>2</sup> )	20	70
Operational Efficiency (Acre Land/hour)	Paddy Field	40-60	75 ~ 110
	Dry Farmland	60-90	120 ~ 150



# AIR-ASSISTED SPRAYER

## 500L



### MAIN FEATURES

1. THE OVERALL APPEARANCE OF THE SMOOTH DESIGN IS MORE HELPFUL FOR DRIVING
2. THE COMPONENTS ARE BUILT-IN, WHICH NOT ONLY PROLONGS THE SERVICE LIFE, BUT ALSO ENSURES THE CLEANLINESS OF THE ENVIRONMENT.
3. THE DRIVING AND SPRAYING TWIN-ENGINE CONFIGURATION ENABLES MORE STABLE DRIVING SPEED AND HIGHER SPRAYING EFFICIENCY.
4. THE FOUR-WHEEL STEERING, THE FOUR-WHEEL CO-DIRECTIONAL PERFORMANCE IS MORE HELPFUL OVER THE OBSTACLES AVOIDANCE, LEAKAGE REDUCTION AND RE-SPRAY.
5. HIGHLIGHTING THE HIGHER USE VALUE FOR TRANSPORTATION, SPREADING, SPRAYING, AUTOMATIC LIFTING AND UNLOADING.
6. SAFE, SPACIOUS COCKPIT DESIGN, SAFER AND MORE COMFORTABLE OPERATION
7. BUILT-IN BLAST-TYPE MULTI-NOZZLE SPRAY ALLOWS MORE UNIFORM SPRAY WITH STRONGER PENETRATING POWER.
8. INSTALL HIGH-FREQUENCY FAR AND NEAR LIGHTS BEFORE AND AFTER THE SPRAYER, WHICH IS CONVENIENT FOR DRIVING AT ANY TIME.



AUTO Matic UNLOADING



AUTO Matic LIFTING

### TECHNICAL PARAMETER

Model		500L	1000L	
Whole machine	Length (mm)	3330	4265	
	Width (mm)	1400	1470	
	Height (mm)	1290	1340	
	Weight(kg)	1385	1653	
Engine	Name	BS ENGINE(386447)	G4BB-T/C	
	Form	Type 4-stroke air-cooling Gasoline engine	Vertical water-cooled 4 cylinder diesel engine	
	Displacement(mL)	627	2607	
	Standard power/Rotational Speed (kW/rpm)	17.2/3600	38.4/2500-44.1/2900	
	Fuel type	Gasoline	Diesel	
	Lubricating Oil type	SAE10W-30	SAE 15W/40	
	Volume of Lubricating Oil (L)	1.65	5.5	
Travel site	Drive type	Four-wheel drive Four Wheel Steering	Four-wheel drive Four Wheel Steering	
	Steering form	Steering wheel	Hydraulic Steering	
	The main line of clutchform	dry single disc clutch	Dry Single Disc Friction Clutch	
	Number of Speeds	Forward 8 speeds, Backward 2 speeds	Forward 10 speeds, Backward 2 speeds	
	Stop break system	Dry Disk (hydraulic pressure,pedal break)	Dry type brake pads	
	Parking brake		Wet internal dilator	
	Travel Speed (km/h)	Forward	1.0 ~ 13.6(Full speed 14.0)	0.85-4.2/3.51-16.62
		Backward	1.2 ~ 3.6	0.88/3.65
Tire	23 × 10.50 - 12 6PR	26X10.00-12 8PLY		
Air-assisted engine	Form	Four vertical cylinder and four stroke ,water-cooled gasoline engine	-	
	Displacement (L)	1.6	-	
	Standard power( Kw/rpm)	37/3600	-	
	Fuel	Gasoline	-	

## 1000L



### MAIN FEATURES

1. EQUIPPED WITH CLEAN AND COMFORTABLE COCKPIT, BUILT-IN AUDIO, AIR CONDITIONING RE-VERSING IMAGES, ETC.
2. POWERFUL TURBOCHARGED DIESEL ENGINE
3. LARGE CAPACITY OF THE CHEMICAL TANK HELPS TO IMPROVE THE WORK EFFICIENCY.
4. THE ELECTRONIC OPERATION OF SPRAY SWITCH AND ANGLE ADJUSTMENT ACTS TO PROTECT THE HUMAN BODY FROM PHYTOTOXICITY
5. BUILT-IN HOSE REEL DESIGN ALLOWS SPRAY OVER THE LAND THAT IS DIFFICULT TO ACCESS BY THE MACHINE
6. THE EQUIPPED JET AND WATER PUMP ENABLE THE WATER TO BE ADDED TO THE MACHINE IN A SHORT TIME
7. FOUR-WHEEL DRIVE, FOUR-WHEEL SYNCHRONOUS STEERING IMPROVES THE ABILITY OF THE MACHINE TO CROSS OBSTACLES

### SCOPE OF APPLICATION

3WZ-1000L CAN BE APPLIED TO APPLE ORCHARDS, PEACH ORCHARDS, PEAR ORCHARDS, CITRUS, TEA GARDENS, GRAPES, ETC. IN A STANDARDIZED PLANTING MODE. IT CAN ALSO BE APPLIED TO THE WOODY PLANTS USED IN URBAN GARDEN GREEN SPACE AND SCENIC AREAS, SUCH AS TREE SHRUBS, RATTAN WOOD, CAMPHOR, GINKGO ETC.



FOUR WHEEL STEERING  
TRANSVERSE FORM



INTELLIGENT CAB

### TECHNICAL PARAMETER

Model		500L	1000L	
Air-assisted engine	Type of lubricating oil	SAE10W-30	-	
	lubricating oil capacity(L)	3.3	-	
Chemical tank capacity(L)		500	-	
Mixing form		Jet mixing	-	
Pump	Form	Horizontal cylinder and plunger type	Horizontal cylinder and plunger type	
	Common speed (rpm)	400-770	720	
	Common discharge pressure (MPa)	3.5-6	15-30	
	Displacement (L/min)	51-99	92	
Air-assisted machine	Form	Axial-flow type	Axis-flow type	
	Maximum speed (rpm)	3000	2600	
	Rotating blades(number)	12	12	
Nozzle	Transmitting method	Electronical clutch type	Electronical clutch type	
	Category	Gear type	type nozzle (disc type)	
	Number	28	38	
Mixing form	Hoke size (Ø)	Ø1.0 ~ Ø1.2	Ø1.0, Ø1.2	
	Volume of spray (L/min)	Ø1.0 : 35, Ø1.2 : 38, Ø1.4 : 43	Ø1.0:35, Ø1.2:38	
Hydraulic	Equipment	Form	Gear type	
		Discharge (MPa)	14	
	Oil cylinder form	Hydraulic oil pressure	ISO VG #46	ISO VG #46
		Car hopper carrying capacity(kg)	1000	-