



说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 105x143mm
第一: 专色+CMYK油墨要求: 1.K色油墨: 泗联黑墨	第二: 特别注意: 暂无
	 Black (单色印刷)
折叠方式: 风琴折 (20P以下用风琴折)	备注:

特别注意: 此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

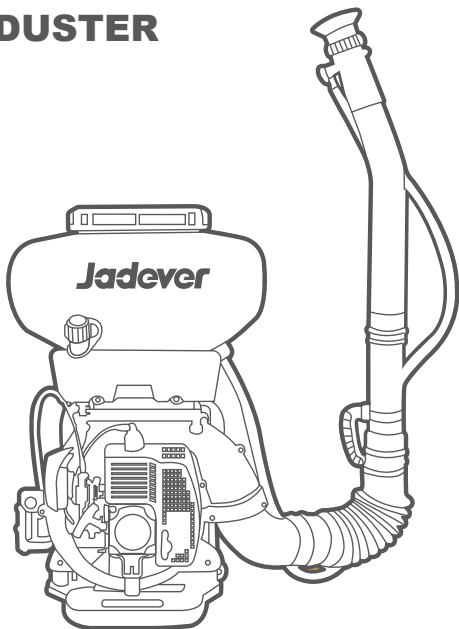
11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

更改记录	1. 参考WKN1A41			
	1123.J01	2023.11.28	LLQ	
	版本号	日期	设计师	

Jadever

MIST DUSTER



SCAN FOR VIDEO

JDKN1A41 JDKN1A41xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

**PRODUCT
MANUAL**

GENERAL SAFETY WARNINGS** WARNING**

Read all safety warnings, instructions, illustrations and specifications provided with this machine.

- a) The engine must use mixed fuel. The ratio between gasoline and oil is determined by the oil for gasoline is No.70 or No.90 and the oil should be two-stroke oil for gasoline engines (It is strictly prohibited to use the other kinds of oil).
- b) The engine should run without load for 3-5 minutes after start and before stop. It is strictly prohibited that the engine runs at high speed without load in order to avoid the damage of the engine parts and the harm of body. It is also strictly prohibited to stop the engine suddenly at high speed.
- c) To prevent fire, the engine must stop and be far away from fire sources when adding fuel. Smoking is strictly prohibited!

Safety warnings

1. NO direct spraying highly toxic pesticides, undiluted pesticides, banned pesticides and special chemicals. It should comply with the safety instructions provided by the pesticide manufacturers when treating of pesticides.
2. On security grounds, the chemical tank cannot be added into inflammable and explosive, highly volatile special chemicals, such as gasoline, alcohol, phenylacetone etc.
3. Cannot add highly corrosive liquid, such as caustic soda solution, hydrochloric acid etc. In case of injury or fire and other major security incidents. (Warning: Keep the machine dry, wet hands are prohibited to operate the power switch, to avoid electric shock.)
4. Warning signs to remind the worker should wear safety protection implements such as protective clothing, gloves, safety glasses and masks.
5. The machine can only be operated by a person who is familiar with the performance and operation method of the machine, and has the knowledge of relevant safety operation, the following personnel operation is strictly prohibited:
 - a) Children or the elderly.
 - b) Mental illness or sick deformed and weak people.
 - c) Drinking or taking stimulants, narcotics man.

THE SYMBOLS IN INSTRUCTION MANUAL

	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Clothing must be sturdy and snug-fitting, but allow complete freedom of movement - a safety coverall is recommended.
	Avoid loose-fitting jackets, scarfs, neckties, jewelry, flared or cuffed pants, unconfined long hair or anything that could get into the air intake.
	Wear sturdy boots with nonslip soles. Steel-toed safety boots are recommended.
	Wear heavy-duty, nonslip gloves, preferably made of chrome leather.

ADDITIONAL SAFETY WARNING

1. Read this manual carefully. Be sure you understand how to operate this machine properly before you use it.

2. Protective clothing

- a) Wear flanged cap.
- b) Wear dirt/fog-proof glasses.
- c) Wear gauze mask.
- d) Wear long gloves.
- e) Wear cost guarding against poisons.
- f) Wear boots.

3. Following personnel cannot use the machine

- a) Mental patients.
- b) Drunk.
- c) Under age or old person.
- d) Person with no knowledge of the machine.
- e) Dog-tired person or patient and others who cannot operate the machine normally.
- f) Person who has just exercised strenuously or slept not enough.
- g) Women giving the breast to baby or being pregnant.

4. Avert fire

- a) Do not fire or smoke nearby the machine.
- b) Never refuel the machine when it is hot or running.
- c) Never pour fuel on the machine. If you do, clean them off.
- d) Always tighten the fuel tank lid.
- e) Always move at least 10 feet away from the fuel container before starting the machine.

5. Starting engine

- a) Put the dust gate handle to the lowest position before starting the engine, otherwise chemical will be jetted when starting engine.
- b) It is prohibited to stand in front of nozzle. Even though dust gate is closed, residual dust in pipe will be blown out.

6. Misting/Dusting

- a) It is fine to carry out operation during cool weather with little wind. For example: in the early morning or in the late afternoon. This can reduce the evaporation and drift of chemicals and improve the protecting effect.
- b) Operation should move windward.
- c) If your mouth or eyes are spattered with chemicals, wash them with clean water and then go to see doctor.
- d) If the operator has a headache or dizziness, stop working at once and go to see the doctor in time.
- e) For the operator's safety, missing/dusting must be carried out strictly according to the instruction of the chemicals and agricultural requirements.
- f) The operator should obey the instructions on the label when preparing the pesticide.
- g) It is prohibited to use the special fluid, such as the strong acids or alkali, etc.

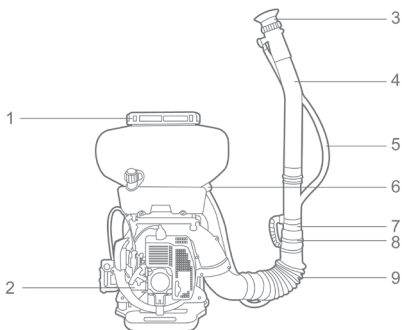
INTENDED USE

The sprayer has the advantages of high efficiency, uniform droplet, long spray range, supporting with high-performance motor, stable performance, reliable and durable. It is specially applied for large area spraying operation of greenhouse.

It can also be used for public sanitation and disinfection, such as airports, docks, hotels, restaurants, hospitals, public transport, theaters, communities, entertainment. As well as food processing, pharmaceutical companies, animal husbandry industries.

Disinfection and sterilization, Health and epidemic prevention.

SPECIFICATIONS



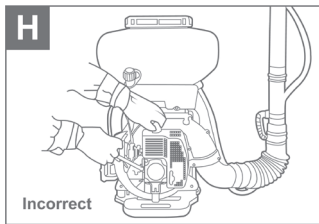
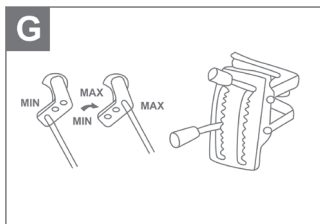
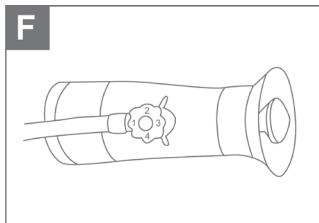
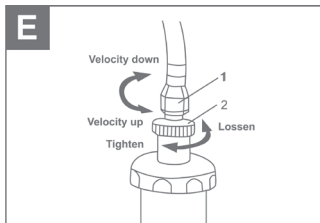
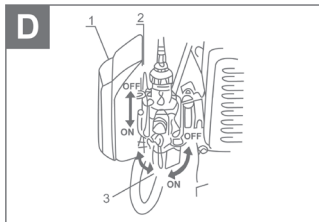
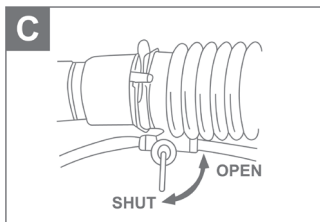
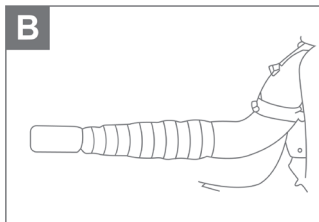
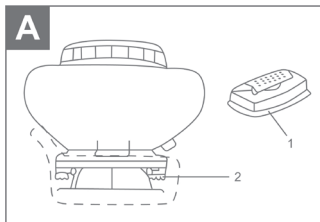
- | | |
|-----------------|----------------------|
| 1. Lid | 6. Discharge opening |
| 2. Energy | 7. Handle |
| 3. Nozzle | 8. Union |
| 4. Dusting pipe | 9. Hose |
| 5. Plastic pipe | |

Technical specifications

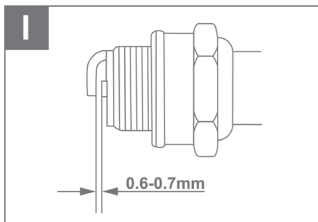
Model No.	JDKN1A41 JDKN1A41xy
Discharging capacity	41.5cc
Chemical tank	14L
Fuel tank	1.4L
Liquid output	more than 2.5L/min
Powder output	more than 3kg/min
Vertical range	8 meters
Horizontal range	12 meters
Power	2.13kW / 7500r/min

Model No. Note: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

OPERATION PICTURE



OPERATION PICTURE



OPERATION

Assembly for spraying (see Figure A)

Remove the tow wing nuts fixed on the chemical tank and take down the tank. Change dusting lid plate for spraying lid plate, then assemble the chemical tank and screw down wing nuts as shown in Figure A.

- 1) Nut
- 2) Dusting Plate

Assembly in chemical tank

Remove the lower cover of chemical tank, change into the pressing lid which is connected with rubber tube (do not forget to put on the sealing ring). Connect the lid to the rubber tube.

Anti-electrostatic installation

Dusting or spreading granules chemical may cause the electrostatics that is related to the factors, such as the kind of chemicals, air temperature, air humidity, etc. In order to prevent electrostatics, please use the attachment-insurance chain. When the air becomes dryer, the electrostatic is serious, in particular when the long membranous tube for dusting and granules spreading in used, electrostatic will often happen. Please pay attention.

Assembly (see Figure B)

- a) One end of insurance chain is inserted in jet pipe, vibrated freely and touched to the ground.
- b) Connect another end conducting wire, then fix conducting wire and insurance chain on bend pipe by screw.

Rotation**Check**

- a) Check if there is loose of sparking plug, etc.
- b) Check if the air-cooling opening is blocked to avoid over-heating during rotation.
- c) Check if air filter is dirty to avoid bad rotation and over-waste of fuel caused by quality of incoming gas.
- d) Check if the gap of the sparking plug is 0.6-0.7mm.
- e) Pull the starter for 2-3times to see if engine is in normal operation.

Adding chemical

- a) Adding fuel must be done at the state of the engine stop
- b) The gasoline should be No.70 or No.90; the oil must be two-stroke gasoline engine oil. The mixture's ratio between gasoline and oil is 25-30:1. Bad quality fuel will influence the engine's performance and destroy the gasoline engine. While adding fuel, fuel filter must not be removed in order to avoid dirty matter coming in fuel tank.

Adding chemical (see Figure C)

- a) During spraying operation, while adding chemical, the switch must be shut, see Figure C. During dusting operation, dusting value throttle and fuel lever should be on the bottom position, otherwise, the machine will have chemical out.
- b) As powder chemical can easily become block, so the chemicals should not be in the chemical tank for a long time.
- c) While spraying, the chemical tank lid should be turned on tightly. After adding powder chemical, please clean the screw of chemical tank mouth, and then turn on the lid tightly.

Cold starting (see Figure D)

Please operate according to the following procedures:

- a) Turn on the fuel switch, see Figure D

- b) Put the fuel lever on the starting position.
- c) Put the choker on the full position.
- d) Pull the starter for a few times and have it returned slowly. Do not leave the handle to return freely to avoid the damage of the starter.
- e) Close the choker and pull starter handle until the engine fires.
- f) After starting the engine, open choker fully.
- g) Let the engine run at low speed for 2-3 minutes, then start the spraying or dusting operation.

Starting the warm engine

Leave the choker fully open.

If the engine draws in too much fuel, leave the fuel switch fully close, pull the starter 5-6 times. Then start the engine as above.

Speed adjustment (see Figure E)

Speed does not meet the fixed number with the fuel lever at the working position or the engine cannot stop with the handle at the lowest position. Regulate as the following.

- a) Loosen the lock nut.
- b) Turn the regulating screw right to decrease the speed. Otherwise, the speed.
- c) After adjustment is finished, tighten the lock nut.

Stopping the engine.

- a) During misting operation turn off the chemical first, and then stop the machine.
- b) During dusting operation, put the fuel lever and dusting lever at the close position.
- c) After finish work, turn off the fuel switch in order to avoid difficult start next time.

NOTE

While the engine is running, the hose must be mounted to the machine, otherwise, cooling air will be reduced and the engine may be damaged.

Misting/Dusting

Misting. (see Figure F)

Loosen the pressing lid, regulate the length of the nozzle opening to meet the different requirement of misting. Turn the regulating valve to change the amount of misting.

Opening	Discharging(L/min)
1	1
2	1.5
3	2
4	3

Dusting. (see Figure G)

Regulate the discharge rate by shifting the dust rod's position in the three holes of the rock-arm.

Engine starts difficultly or cannot start. (see Figure H)

Check if the sparking plug has sparked-over. Screw down the sparking plug; put the side pole to touch the cylinder. Full the starter and watch between the poles of sparking plug whether there are sparks. Pull the starter carefully; do not touch the metal part of sparking plug for prevention of getting an electric shock.

MAINTENANCE&MALFUNCTIONS

1. Technical maintenance on spraying assembly

- After spraying, clean out any residual spray mixture or dust in the chemical tank. Wash the tank and all other parts.
- After dusting or granules spreading, clean the dust gate and chemical tank inside and outside.
- After operation, loosen the chemical tank lid.
- After cleaning, the machine runs at low speed for 2-3 minutes.

2. Maintenance on fuel system

- The fuel mix with dust or water is one of main cause of the engine trouble, so the fuel system should be cleaned very often.
- If the residual fuel remains in the fuel tank and carburetor for a long time, the residual fuel would be glued and the fuel circuit clogged, thus causing the engine not to working properly. So as the machine works for one week. All of the fuel should be discharged.

3. Maintenance on air filter and sparking plug (see Figure I)

- After the operation each day, wash the filter, if the chemicals adhere to sponge, it would deduce the engine power, please pay attention especially.
- After wash the sponge with petrol, squeeze the petrol then fix the sponge in.
- The suitable clearance of sparking plug is 0.6-0.7mm, please check the clearance often, if it is too big or too small, adjust it properly.
- The sparking plug model of this machine is 4106J. Do not use other models. If it is necessary for change, you may buy it from local agricultural machinery department or plant protection department.

4. Deposit for a long time

- Clean the outside of the machine. Coat the anti-rust oil to the surface of metal.
- Take down the sparking plug. Feed 15-20g mobile oil into cylinder, the mobile oil should be specially used for two-stroke petrol engine. Raise the piston to upper terminal point, then fix sparking plug.
- Screw out the two wing screws. Take off the machine tank. Clean the dust gate and the surface inside and outside of chemical tank. If the residual chemical remains in the dust gate, the dust gate will not properly and the leakage of dust will occur seriously. Then fit the chemical tank on and the loosen the tank lid.

- d) Take off the spray unit and wash it and then store additionally.
- e) Should discharge all the fuel in the fuel tank and carburetor.
- f) Cover the machine with plastic membrane and deposit it at dry and no dust place

Trouble shooting

Trouble		Cause	Remedies
No flash	Spark plug	Firing device wetted	Dry it out
		Carbon lay down on the sparking plug	Clean the carbon
		The clearance between poles of sparking plug is too big or too small	Adjusting the clearance at 0.6-0.7mm
		This insulation of sparking plugs damaged	Change sparking plug
		Poles burned	Change sparking plug
	Magnet	Wrapping of wire damaged	Change or remedy
		Insulation of coil is broken	Replace
		Wire of coil is broken	Replace
		Electronic firing device damaged	Replace
Normal	Compression ratio is fine & fueling normally	Fuel sucked in is excessive	Reduce the fuel
		Bad quality fuel, mixed with water or dirty	Change the fuel
	Fueling is normal but compressing ratio is bad	Cylinder and piston ring wore and tore	Change cylinder and piston ring
		Spark plug is loose	Tighten
	No fueling from carburetor	No fuel in fuel tank	Fill fuel
		Filter net dirty	Clean it
		Air hole of fuel tank blocked	Clean it

Engine output is insufficient

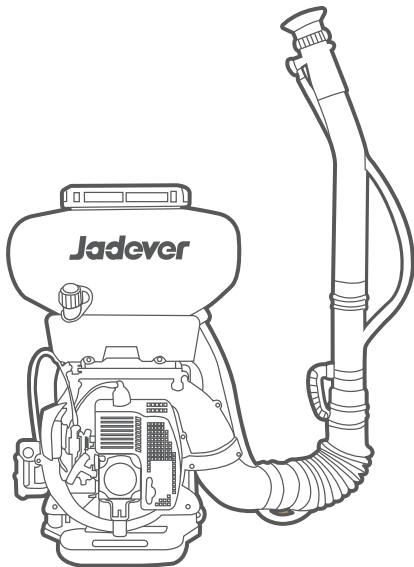
Trouble	Cause	Remedies
Compression ratio & fire is normal	Filter plate clogged	Wash
	Fuel mixed with water	Change fuel
	Engine overheat	Shut down or cool it
	Carbon lay down in muffler	Clean it
Engine overheat	Consistency of fuel is too thin	Adjust carburetor
	Carbon lay down on cylinder cover	Clean it
	Engine oil is bad	Use special mobile oil
	No connection with hose	Connect
Dash sound	Bad fuel	Replace
	Carbon lay down in combustion chamber	Clean it
	Running parts wore and tore	Check & change

The engine shuts down in running

Trouble	Cause	Remedies
The engine shut down suddenly	The lead wire of sparking plug loosened	Connect if firm
	The piston bitten	Change the piston or remedy it
	The sparking plug laid down the carbon or short circuited	
	The fuel burned up	Feed the fuel
The engine shut down slowly	Inside the carburetor clogged	Clean it
	The air hole of fuel tank clogged	Clean it
	The fuel mix with water	Replace the fuel

The engine shuts down difficultly

Trouble	Causes	Remedies
The fuel lever handle is located at the lowest position, the engine still runs.	The fuel pulling cord is too short (the idle speed is higher)	Adjust the pull cord according.



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KEYWAY TECHNOLOGY (NANTONG) CO., LTD

MADE IN CHINA 1123.J01

No. 99, Gugang Road, Chongchuan District,
Nantong City, China