

# Mobile fire smoke exhaust machine

YY4. 8/4. 1-10

## Instructions Manual



**Jiujiang Firefighting Equipment Co.,Ltd**

Executive standard:GB 27901-2011 "Mobile Fire Smoke Exhaust Machine" standard

### 1) Product description

YY4.8/4.1-10 mobile fire-fighting smoke extractor adopts stainless steel air-guiding tube, axle-type bracket and American Bailitong small gasoline engine to directly drive the fan impeller. The gasoline engine is a four-stroke single-cylinder engine. Its patent features include: gasoline. The oil circuit switch is shared with the ignition circuit switch and the oil low oil level sensing device can effectively prevent the engine from working in the absence of oil and maximize lubrication. The product is an improved product of the company. The structure is simple and reliable, easy to move, easy to adjust the angle of the wind, and the air supply is large. It is suitable for people who are trapped in the floor and basement fires and evacuate trapped people.

### 2) Basic technical parameters

Rated speed: 3600r/min

Rated air volume: 10000m<sup>3</sup>/h

Fuel tank capacity:3.8L

Power source model: 13H3

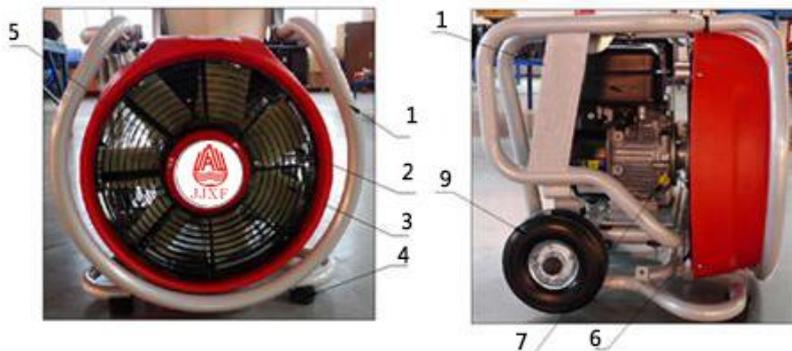
Rated power: 4.8KW

Type of fuel used in internal combustion engines: gasoline

Operating ambient temperature range: -10°C - 40°C

Weight:≤58kg

### 3) Structure and composition



- 1. outer frame
- 2. fan blades
- 3. air deflector
- 4. rubber mats
- 5. face cover
- 6. rear guide tube
- 7. oil filler
- 8. air filter box
- 9. wheel



10. open the bracket locking pin
11. fuel tank
12. air duct adjustment bracket fastening handle
13. gasoline engine throttle button
14. air duct adjustment bracket
15. start the drawstring
16. gasoline and ignition circuit switch (red)
17. damper switch
18. gasoline engine manufacturer nameplate
19. Gasoline inlet

#### **4) Use**

1. Before starting the gasoline engine for the first time, the smoke exhaust should be in a horizontal position, check the oil level of the gasoline engine crankcase, and check the fuel tank. When adding gasoline, keep away from fire and smokers. Add gasoline in a well-ventilated place and keep non-workers and children away from the fueling area. After refueling, carefully remove the gasoline spilled on the surface of the machine and tighten the fuel tank cap.
2. Turn on the gasoline switch, close the choke, and push the gasoline engine throttle clockwise to the lower side to about 1/3 of the white area.
  - When the engine is hot or the ambient temperature is high, there is no need to close the damper.
  - No items should be placed on or near the smoke exhaust, especially fiber materials such as cotton yarn. If the adjusted fan is in contact with the inhaled item, it will cause damage to the machine or injury to nearby personnel.
  - In order to use the smoke extractor better, please add oil before use.
3. Turn the ignition circuit switch clockwise from OFF to ON to make the circuit turn on. At this point, pull the starter handle to start the engine. Gently pull the starter handle until you feel resistance, then pull it quickly. Don't suddenly let go of the handle and make it bounce back into the engine, but slowly put it back along the resilience.
4. After the gasoline engine starts successfully, open the choke valve clockwise, and keep the throttle at the starting position. Run for 1 minute. Push the throttle down to the end when full load is required.
5. After the work is finished, first place the gasoline engine throttle in the idle position, let the machine run for 2-3 minutes under idle speed, and then turn the ignition circuit switch counterclockwise from ON to OFF to stop the engine, then The gasoline switch is turned clockwise to the closed position.

#### **5) Maintenance**

1. After use, it is necessary to check whether the exhaust machine is in good condition and the damaged parts should be repaired or replaced in time.
2. Clean up after use, store in air and dry.
3. If it is not used, it should be repaired once every half year to ensure the reliability of the product during disaster relief.
4. When storing the smoke exhaust for a long time, it should be placed in a dust-free place. Discharge the gasoline from the tank, remove the spark plug, add a spoonful of clean

lubricant from the plug hole, turn the engine so that the lubricant is evenly distributed on the friction surface to turn off the generator. Rein-install the spark plug and turn the crankshaft so that the intake and exhaust valves of the gasoline engine are in the closed position, and the smoke exhaust is covered with a cover or a cloth.

## 6) Years of use

In accordance with the requirements of maintenance, storage, no damage, the normal life span of 3 years.

## 7) Precautions

1. The smoke exhauster is used for sucking air, and the positive air pressure is used to drive the flue gas. Smoke exhausters should not be used for smoking.
2. Adjusting the height of the foot can change the air outlet cost of the smoke exhauster, but the angle of inclination of the engine and the fan shaft with respect to the horizontal plane should not exceed 20°.
3. Check the lubricating oil level before starting. When necessary, the lubricating oil grade (corresponding to domestic QF or QG grade 15W-40 viscosity grade lubricating oil) should be filled with lubricating oil into the engine crankcase. The gasoline engine uses gasoline of the number 90 or higher. When charging gasoline, it should not be too full, so as to avoid overflow during work and cause danger.
4. When using, pay attention to make the hood at the end of the upper wind head so as to form convection and effectively discharge the flue gas. If the wind direction changes, so that the position of the smoke exhauster is changed to the lower air head, the smoke extractor and the operator should be evacuated immediately to avoid the high temperature smoke surrounding the smoke exhauster and posing danger to the operator.

### Standard configuration list

NO.	Name	Quantity	Remark
1	Mobile fire smoke exhaust	1pc	
2	Spark plug socket wrench	1pc	
3	Motor oil	1pc	1L
4	funnel	1pc	
5	Manual instruction	1pc	
6	Certificate	1pc	

**Jiujiang Firefighting Equipment Co.,Ltd**

TEL: 400-0792-119

Fax: 0792-8578766

Website: [www.jjxf.com.cn](http://www.jjxf.com.cn)

Email: [monica@jjxf.com.cn](mailto:monica@jjxf.com.cn)