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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	

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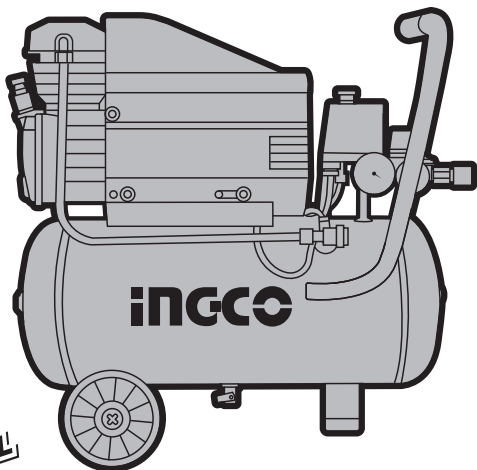
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INGCO

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PRODUCT MANUAL

AIR COMPRESSOR



**AC20248 AC20248-8 AC20248M AC20248S-2 AC20248T
AC20248-85 AC20248P AC25508 AC25508-8 AC25508M
AC25508S-2 AC25508T AC25508P**



SCAN FOR VIDEO

GENERAL SAFETY WARNINGS

Forward

Please read this manual carefully and make a full understanding before operating. Due to the limited pages we cannot answer all the questions but this manual can help you avoid unnecessary mistakes during operating the new machines. Please pay special attention to the **"Warning"**. If you don't stick to the instructions, you may have your machine damaged.

Excuse for not informing of the alteration for techniques of the products change all the time.

Please follow the operating procedures described in this manual. By doing so you'll save your time and energy. If any problem or fault occurs, please contact our authorized service center without delay.

If any machine parts need to be replaced, please use those produced in our factory to ensure an effective operation and to increase service life.

Safety instructions

CAUTION

The following basic safety precautions have to be taken when using this compressor in order to guard against the risk of electric shock, injury and fire.

Read and note these instructions before you use the compressor.

1. **Keep your work area tidy.** There is a higher risk of accident in an untidy work area.
2. **Make allowance for environmental conditions.** Never leave the compressor in the rain. Never use the compressor in damp or wet conditions. Provide good lighting. Never use the compressor near combustible liquids or gases.
3. **Protect yourself from electric shocks.** Avoid physical contact with earthed parts, e.g., pipes, radiators, cookers, refrigerators.
4. **Keep children away. Do not allow other persons to touch the compressor or its cable.** Keep them out of your work area.
5. **Keep your compressor in a safe place.** When the compressor is not being used it should be kept in a dry, locked room out of the reach of the children.
6. **Do not overload your compressor.** It is better and safer to work within the quoted power range.
7. **Wear suitable work clothes. Do not wear loose garments or jewellery.**

There is a risk of them catching on moving parts. Rubber gloves and non-slip shoes are recommended when working outdoors. Put on a hair net if you have long hair.

8. **Never use the cable for any purpose other than that intended.** Never tow the compressor by its cable and never pull the power plug out of the socket by the cable. Protect the cable from heat, oil, and sharp edges.
9. **Look after your compressor. Keep your compressor clean so that it works well and reliably.** Follow the maintenance instructions. Check the power plug and cable regularly and have them re- placed by a specialist if you discover any damage. Check any extension cables regularly and replace if damaged.
10. **Pull out the power plug.** Whenever the compressor is not being used and before carrying out any maintenance work.
11. **Avoid accidental starts.** Make sure that the switch is turned to OFF before you connect the compressor to the power supply.
12. **Extension cables for outdoor use.** Use extension cables outdoors only if they are approved and marked accordingly.
13. **Always concentrate. Watch your work. Be sensible.** Do not use the compressor if your mind is not on your work.
14. **Examine your compressor for signs of damage. Before you use the compressor again, carefully check its safety devices or any slightly damaged parts to make sure that they are working properly and as intended.** Check moving parts to make sure that they are in good working order and are not jammed or damaged. All parts must be properly fitted in order to be sure of meeting all the machines requirements. Damaged safety devices and parts must be repaired or replaced by a customer service workshop unless otherwise stated in this manual. Damaged switches must be replaced by a customer service workshop. Do not use any tools with a switch that cannot be turned on and off.
15. **IMPORTANT! For your own safety, use only such accessories and auxiliary equipment as are listed in this manual or which are recommended and specified by the manufacturer.** There is a high risk of suffering a serious accident if you use tools or accessories which are not listed in this manual or in the catalogue of recommended tools and accessories.
16. **Have an electrician carry out repairs. Repairs are to be carried out only by a qualified electrician.** If not, the user may suffer serious accidents.

17. **Noise.** Use ear muffs when you use the compressor.
18. **Replacing the power cable.** To prevent injury, damaged power cables may only be replaced by the manufacturer or a qualified electrician.

THE SYMBOLS IN INSTRUCTION MANUAL

	Read the instruction manual before using.
	Beware of electrical voltage.
	Wear safety glasses, hearing protection and dust mask.
	Beware of hot parts.

ADDITIONAL SAFETY WARNING

Safety instructions for working with compressed air and blasting guns

Compressors and lines reach high temperatures during operation. Avoid contact!

Risk of burns!

Gases or vapors drawn in by the compressor have to be kept free of constituents that may cause fire or explosions inside the compressor.

When you disconnect the hose coupling, hold the coupling element in your hand to prevent injury from the whiplashing hose.

Wear goggles when working with the blow-out gun. Injuries may easily result from foreign bodies and blasted parts.

Never point the blow-out gun at other persons and never use it to clean clothes that are still being worn.

Safety information for paint spraying

1. **Never process paints or solvents with a flash point below 55°C.**
2. **Never heat paints or solvents.**
3. **It is imperative to use filtering equipment (face masks) when processing harmful liquids.** Note also the information concerning safety precautions published by the manufacturers of these liquids.
4. **Smoking is prohibited during the spraying operation and in the work room.** Paint vapors are highly flammable. Make sure there are no open fires or open lights in the work room. Sparking machines are not to be used.
5. **Do not keep or consume food and drink in the work room.** Paint vapors are harmful.
6. **The work room must be bigger than 30 m³ and have sufficient ventilation for spraying and drying.** Never spray into the wind.
7. **It is always imperative to observe the regulations of your local police authorities when spraying combustible or hazardous substances.** Never process media such as white petroleum spirit, butyl alcohol and methylene chloride with the PVC pressure hose (reduced life span)

Operating pressure vessels

An operator of a pressure vessel is required to keep the pressure vessel in good working order, to operate it properly, to supervise its use, to carry out essential maintenance and repair work immediately, and to introduce essential safety

measures according to requirements.

The supervisory authorities may order essential safeguards from case to case.

A pressure vessel may not be operated if it has any defects which constitute a danger to employees or third parties.

The pressure vessel must be regularly inspected for damage, e.g., rust. If you discover any damage, then please contact the customer service workshop.

Keep these safety instructions in a safe place.

INTENDED USE

The air compressors are widely used in various pneumatic tools and machines of communication, machinery manufacture, garments spinning and weaving works, such as tire, gas-filled, painting etc.

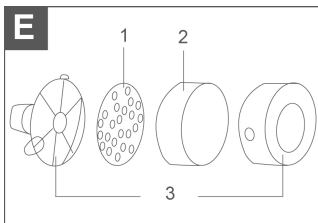
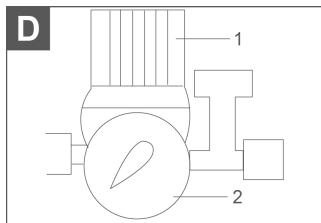
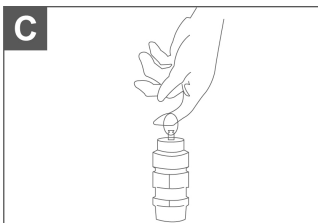
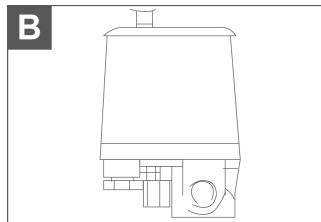
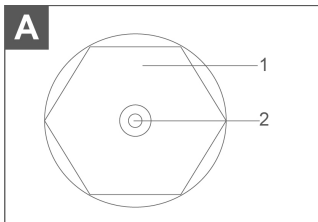
SPECIFICATIONS

Technical specifications

Model No.	AC20248 AC20248-8 AC20248M AC20248S-2 AC20248T	AC20248-85 AC20248P
Rated voltage	220-240V~	220-240V~
Rated frequency	50Hz	60Hz
Input power	1.5kW(2.0HP)	1.5kW(2.0HP)
No-load speed	2850/min	3400/min
Tank capacity	24L(6.3Gal)	24L(6.3Gal)
Max.operating pressure	8Bar	8Bar

Model No.	AC25508 AC25508-8 AC25508M AC25508S-2 AC25508T	AC25508P
Rated voltage	220-240V~	220-240V~
Rated frequency	50Hz	60Hz
Input power	1.8kW(2.5HP)	1.8kW(2.5HP)
No-load speed	2850/min	3400/min
Tank capacity	50L(13.2Gal)	50L(13.2Gal)
Max.operating pressure	8Bar	8Bar

OPERATION PICTURE



OPERATION

Before starting

Before starting the compressor be sure that the lube is enough. It is safe when the lube level is at the red point of oil glass (see Figure A). When necessary, add the lube through the hole of the dipstick.

Figure A: 1. Highest level 2. Lowest level

CAUTION

If the lube is lower than the lower mark of the dipstick (Figure 1) the compressor will be frayed and the axle head will be destroyed if too high it may cause the lube to spray and the load of the compressor to increase.

The ideal lube for the compressor should be in a general way high grade with antioxidant in not easy to become thick because of oxygenating.

Notes before operating

- a. Plug the power into a matching outlet.
- b. Do use the air switch (see Figure B) to start or stop the compressor according to the button position marked on the shell of air switch for the compressed air in the pipeline exhaust automatically when the air switch break and then the compressor could be started with lit e burden next time prevent the motor from damage.
- c. Safety Valve

The air-compressor is equipped with safety valve as the protective device to prevent from excessive pressure in the gas tank. The safety valve has already been adjusted according to the designing standard of "Pressure Containers". Please don't adjust it at discretion. Please advise the maintenance services of our company or distributors to do for you if adjustment is necessary. To assure that the function of the safety valve is in normal state. Please drag the gas release ring at least once a week (see Figure C).

Operation of the compressor

The compressor uses an air switch to control the motor .When the pressure in the air storage tank rises to the rated maximum pressure the air switch automatically breaks to disconnect the power and stop the air compressor. When the pressure in the air storage tank goes down below the rated minimum pressure the air switch automatically closes and restarts the motor to drive the compressor.

Adjust the exhausting air pressure

- a) Pull out upward the knob of the pressure adjuster turn clockwise to increase the exhausting air pressure to a rated maximum pressure the same as in the air storage tank (see Figure D).

Figure D: 1. Knob of the pressure regulator 2. Pressure

- b) Pull out upward the knob of the pressure adjuster turn anticlockwise to reduce the exhausting air pressure to zero bar.

CAUTION

- 1) **When adjusting the exhausting air pressure, you can look into the small manometer to get the pressure reading.**
- 2) **When the manometer shows the maximum pressure values, stop turning clockwise or the thin film of the pressure adjuster would be damaged.**
- 3) **When the compressor stops working turn the pressure adjust anticlockwise to zero bar and then stop, you may open the drain tap to make sure that the compressor stops.**

Maintenance

- a. When the new machine has been set to work for 50 hours, unscrew the oil-scape-bolt to let out the old lube and add in the new lube to the marked level of the dipstick.
- b. Clean the filter every 100 hours (see Figure E).
Figure E: 1. Filter net 2. Filter element 3. Filter shell
- c. Replace the filter element with a new one if it is too dirty.
- d. Turn one water escape valve at the bottom of the air storage tank to drain every day.
- e. In every 500 hours or 12 months replace the lube with new lube.
- f. Please check the sensitivity of the safety valve and the operating pull ring once a week.
- g. Check the tightness of the V-belt once in three months.

MAINTENANCE&MALFUNCTIONS

Possible causes of failure

Problem	Causes	Solution
The compressor does not start	1. No supply voltage	1. Check the supply voltage, the power plug and the socket-outlet
	2. Insufficient supply voltage	2. Make sure that the extension cable is not too long. Use an extension cable with large enough wires
	3. Outside temperature is too low	3. Never operate with an outside temperature of below +5°C
	4. Motor is overheated	4. Allow the motor to cool down. If necessary, remedy the cause of the overheating
The compressor starts but there is no pressure	1. Leak in the non-return valve	1. Replace the non-return valve
	2. The seals are damaged	2. Check the seals and have any damaged seals replaced by a service center
	3. The drainage screw for condensation water leaks	3. Tighten the screw by hand. Check the seal on the screw and replace if necessary
The compressor starts, pressure is shown on the pressure gauge, but the tools do not start.	1. Loose hose connections	1. Check the compressed air hose and tools and replace if necessary.
	2. Leak in a quick-lock coupling	2. Check the quick-lock coupling and replace if necessary.
	3. Insufficient pressure set on the pressure regulator.	3. Open the pressure regulator further.

