



说明书材质要求： 105g 有光铜版纸	说明书成品尺寸： 105*143mm
Black（单色印刷）	
折叠方式： 风琴折 （ 20P 以下用风琴折 ） 特殊情况：16P/20P：风琴折 + 对折	备注：
特别注意：此页内容不印刷	

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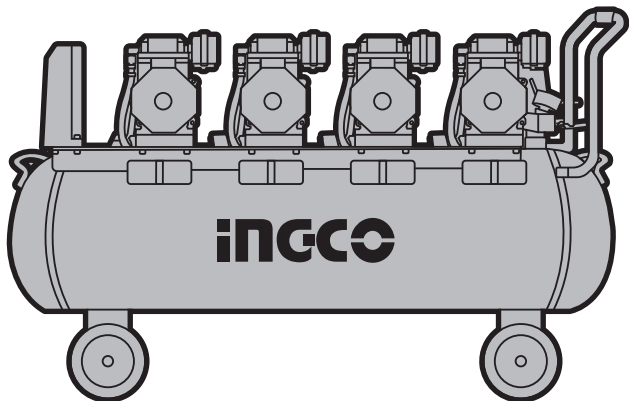
更改记录	1. 说明书合并 （无油静音共用） 在ACS224501—8 版本号上递增			1. 公司信息更新 2. 线稿简化			
	0523.V05	2023.5.8	GWY	0124.V06	2024.1.13	ZRR	
	版本号	日期	设计师	版本号	日期	设计师	

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**PRODUCT
MANUAL**

AIR COMPRESSOR



ACS111062xy ACS111152xy ACS111242xy
ACS175241xy ACS112501xy ACS224501xy
ACS2241001xy ACS3361001xy ACS4481501xy
UACS111062xy UACS111152xy UACS111242xy
UACS175241xy UACS112501xy UACS224501xy
UACS2241001xy UACS3361001xy UACS4481501xy
x(blank,S,T,P) y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-85,-9)



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) Concentrate at all times

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 have to be properly fitted in order to be sure of meeting all the machines requirements. Damaged safety devices and parts have to be repaired or replaced by a customer service workshop unless otherwise stated in this manual. Damaged switches have to 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

Never process paints or solvents with a flash point below 55°C.

Never heat paints or solvents.

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.

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.

Do not keep or consume food and drink in the work room. Paint vapors are harmful. The work room has to be bigger than 30 m³ and have sufficient ventilation for spraying and drying. Never spray into the wind.

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.

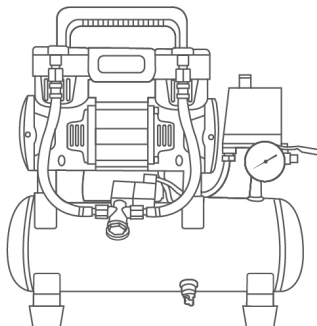
The pressure vessel must be regularly inspected for damage, e.g., rust. If you discover any damage, then please contact the customer service workshop.

Keep these safety instructions in a safe place.

INTENDED USE

The 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.

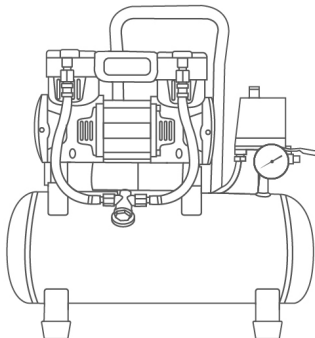
SPECIFICATIONS



Technical specifications

Model No.	ACS111062 ACS111062-8 ACS111062S-2 ACS111062T ACS111062-4	ACS111062-5 ACS111062-85 ACS111062P	UACS111062
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	1.1kW(1.5HP)	1.1kW(1.5HP)	1.1kW(1.5HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	6L(1.6Gal)	6L(1.6Gal)	6L(1.6Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	/	/	/

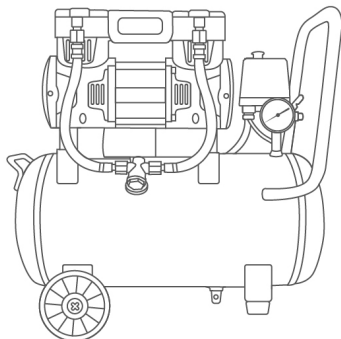
SPECIFICATIONS



Technical specifications

Model No.	ACS111152 ACS111152-8 ACS111152S-2 ACS111152T ACS111152-4	ACS111152-5 ACS111152-85 ACS111152P	UACS111152
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	1.1kW(1.5HP)	1.1kW(1.5HP)	1.1kW(1.5HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	15L(4Gal)	15L(4Gal)	15L(4Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	/	/	/

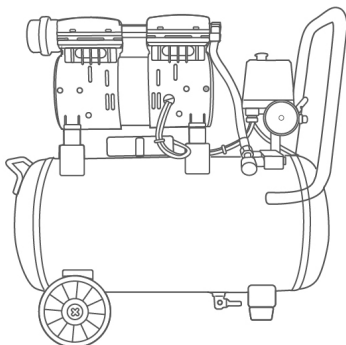
SPECIFICATIONS



Technical specifications

Model No.	ACS111242 ACS111242-8 ACS111242S-2 ACS111242T ACS111242-4	ACS111242-5 ACS111242-85 ACS111242P	UACS111242
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	1.1kW(1.5HP)	1.1kW(1.5HP)	1.1kW(1.5HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	24L(6.3Gal)	24L(6.3Gal)	24L(6.3Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	/	/	/

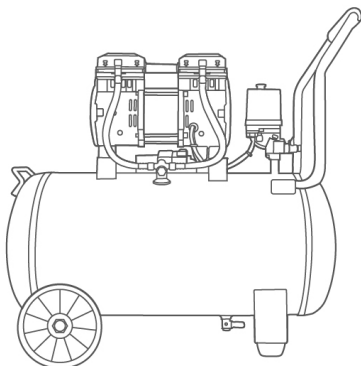
SPECIFICATIONS



Technical specifications

Model No.	ACS175241 ACS175241-8 ACS175241S-2 ACS175241T ACS175241-4	ACS175241-5 ACS175241-85 ACS175241P	UACS175241
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	0.6kW(0.8HP)	0.6kW(0.8HP)	0.6kW(0.8HP)
No-load speed (/min)	1440/min	1600/min	1600/min
Tank capacity (L/Gal)	24L(6.3Gal)	24L(6.3Gal)	24L(6.3Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	/	/	/

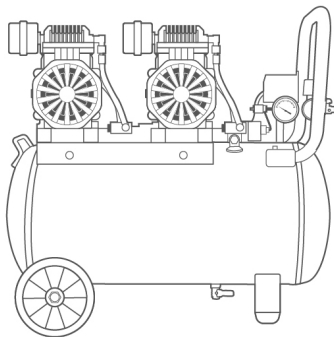
SPECIFICATIONS



Technical specifications

Model No.	ACS112501 ACS112501-8 ACS112501S-2 ACS112501T ACS112501-4	ACS112501-5 ACS112501-85 ACS112501P	UACS112501
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	1.2kW(1.6HP)	1.2kW(1.6HP)	1.2kW(1.6HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	50L(13.2Gal)	50L(13.2Gal)	50L(13.2Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	Yes	Yes	Yes

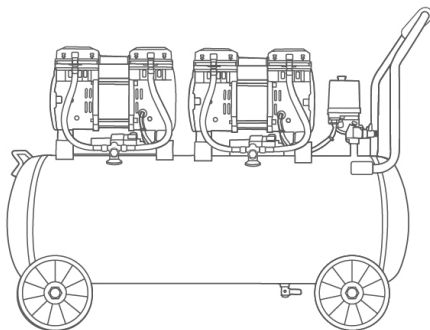
SPECIFICATIONS



Technical specifications

Model No.	ACS224501 ACS224501-8 ACS224501S-2 ACS224501T ACS224501-4	ACS224501-5 ACS224501-85 ACS224501P	UACS224501
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	2.4kW(3.2HP)	2.4kW(3.2HP)	2.4kW(3.2HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	50L(13.2Gal)	50L(13.2Gal)	50L(13.2Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	Yes	Yes	Yes

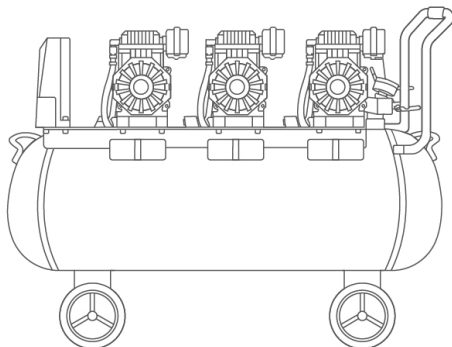
SPECIFICATIONS



Technical specifications

Model No.	ACS2241001 ACS2241001-8 ACS2241001S-2 ACS2241001T ACS2241001-4	ACS2241001-5 ACS2241001-85 ACS2241001P	UACS2241001
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	2.4kW(3.2HP)	2.4kW(3.2HP)	2.4kW(3.2HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	100L(26.4Gal)	100L(26.4Gal)	100L(26.4Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	Yes	Yes	Yes

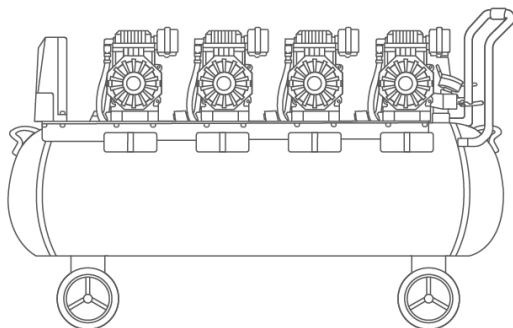
SPECIFICATIONS



Technical specifications

Model No.	ACS3361001 ACS3361001T	ACS3361001-5 ACS3361001-85 ACS3361001P	UACS3361001
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	3.6kW(4.8HP)	3.6kW(4.8HP)	3.6kW(4.8HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	100L(26.4Gal)	100L(26.4Gal)	100L(26.4Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	Yes	Yes	Yes

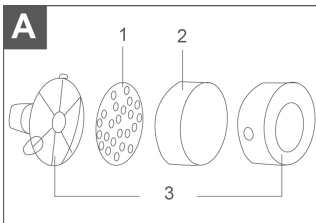
SPECIFICATIONS



Technical specifications

Model No.	ACS4481501 ACS4481501T	ACS4481501-5 ACS4481501-85 ACS4481501P	UACS4481501
Rated voltage (V)	220-240V~	220-240V~	110-120V~
Rated frequency (Hz)	50Hz	60Hz	60Hz
Input power (kw/HP)	4.8kW(6.4HP)	4.8kW(6.4HP)	4.8kW(6.4HP)
No-load speed (/min)	2850/min	3400/min	3400/min
Tank capacity (L/Gal)	150L(40Gal)	150L(40Gal)	150L(40Gal)
Max.operating pressure (Bar)	8Bar	8Bar	8Bar
INDUSTRIAL	Yes	Yes	Yes

OPERATION PICTURE



OPERATION

Operation Requirements

- The storage and transportation environment must be controlled between -40°C and 50°C , the relative humidity must $<95\%$.
- The working environment must keep dry, clean and well-ventilated
- The environment temperature must between -5°C and 40°C , the relative humidity must $<80\%$
- Please keep the machine out of wet, in ammable, dusty condition
- Please keep the machine on the flat without any bumpiness.
- The voltage shouldn't be lower or exceed 10% of the rated one.
- In order to avoid any injury, it's prohibited to touch any high temperature parts in the course of working, such as the cylinder head, exhaust pipe, one-way valve and so on.
- Please keep the cross section of cable $>1.5\text{mm}$ and with the proper length
- The discharged air mustn't be pointed to anybody or animals directly
- Please guarantee the machine in "OFF" before turn on the power.
- Prohibited any collision under any state. In order to avoid any movements against
- Any outside pressure, you should take effective practice promptly prapromptly.

Maintenance:

Special A attention: In order to avoid any injury, all the maintenances should be operated under out of power conditions and make sure no any pressure in the tank.

- Keep the air compressor clean always

- b. Clean away all liquid in tank at least twice a week. Once operating make sure air tank pressure below 0.1Mpa
- c. Keep the safety valve precise at any conditions when the air tank pressure reach between 0.5 and 0.7Mpa, please pull the safety valve lightly, then it can discharge freely, if press the shaft, it will be reset

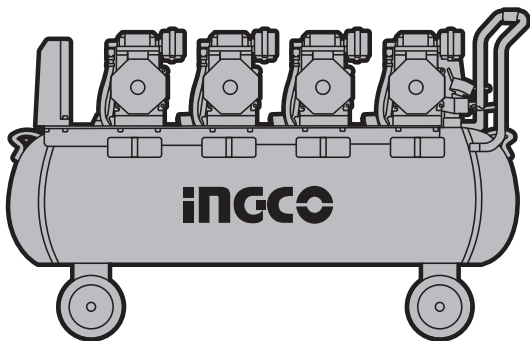
Maintenance

- a. When the new machine has been set to work for 50 hours, unscrew the oil cap 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 A)
 - 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.



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