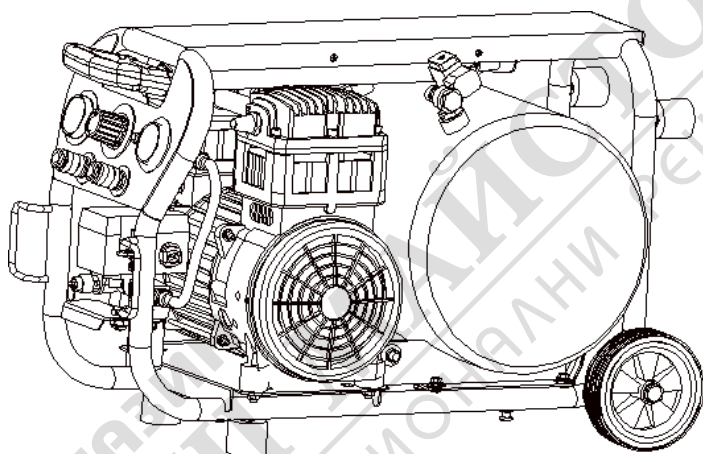




- Manual de utilizare
- User's Guide



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**SC012-015 / SC020-015**



**Italia Star Com Due S.R.L.**

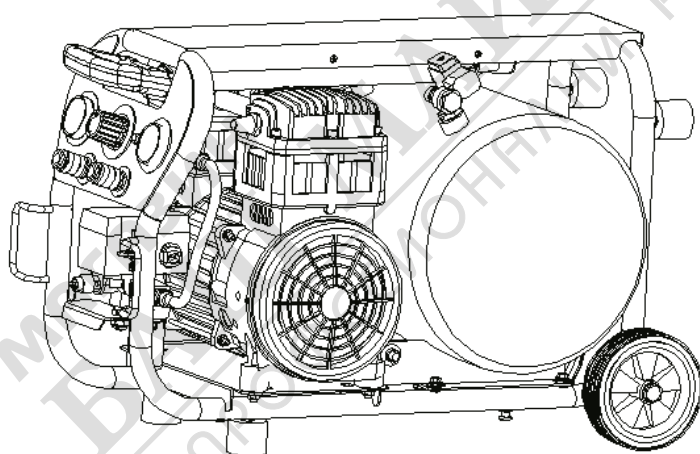
📍 Autostrada Bucuresti-Pitesti, km. 13/2, Loc. Chiajna, IF

☎ 004/021.433.03.27 ✉ [info@italiastar.ro](mailto:info@italiastar.ro)

🌐 [www.italiastar.ro](http://www.italiastar.ro)



**Please read the manual carefully before use**  
**Oil -free quiet air compressor operation manual**



### **IMPORTANT:**

THIS MANUAL CONTAINS IMPORTANT SAFETY INFORMATION AND SHOULD ALWAYS BE AVAILABLE TO THOSE PERSONNEL OPERATING THIS UNIT. READ, UNDERSTAND AND RETAIN ALL INSTRUCTIONS BEFORE OPERATING THIS EQUIPMENT TO PREVENT INJURY OR EQUIPMENT DAMAGE



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## Important safety tips

Warning: you should follow basic safety procedures before using air compressors to reduce the risk of personal injury. Please read and follow all instructions.

The purpose of the machine is to be used according to the design purpose. This machine shall not be changed or used for any purpose other than the design purpose. If you have any questions about the use of this machine, please do not use this machine until you consult or get our advice.

1. Keep the work area clean, free of obstructions and well ventilated, as chaotic areas may cause injury, rain or damp conditions may cause water to enter the machine and cause electric shock or burn.
2. Keep children away from the work area, let alone the machine. The air compressor will give off heat when working. Please do not touch the motor, pressure relief tube or air compressor when working the air compressor.
3. It is strictly forbidden to use air compressor in the area near inflammable and explosive goods, do not use air compressor in the bad environment which is easy to cause corrosion, rust and dust, and do not spray gas near these equipment.
4. Air compressor is not connected to a proper grounding device or fuse protection, please do not use.
5. Do not abuse the wire. Never drag the wire without pulling the plug. Care should be taken to protect the wires from heat, oil, solvents, sharp edges or moving parts. Damaged wires should be replaced in a timely manner. Unplug the plug line to ensure that the pressure switch is in the off position.
6. During the process of compressed air, compressed air ejected from the machine contains carbon monoxide, which must be filtered and tested to meet the legal standards for use before it can be released.
7. Do not maintain, disassemble or adjust the machine when the power supply is not cut off during operation or the system is compressed air.
8. Air compressor is only used to compress air, not other gases.
9. When starting up, check the operation of the machine frequently. If there is any abnormality or fault, stop the machine immediately to eliminate it.
10. Respiratory protection. Use respirator when spraying paint or other chemicals.
11. In operation, the temperature of the cylinder head is generally high, do not touch it





by hand. In case of power failure during operation of air compressor, please be sure to cut off the power supply to ensure safety.

12. It is necessary to ensure that safety warnings and all other instructions in this manual are followed and made available to everyone who USES the machine.
13. When the air compressor is not in use, wrap the wire around the air compressor and store it in a high, dry place to avoid contact with children or rust due to damp.
14. The oil-free air compressor is used in the field with higher requirements on noise and air source quality, because its piston belongs to wearing parts.
15. In the use of oil-free air compressor, if the time of filling the tank (rated pressure) exceeds the specified value (see parameter label), the piston shall be replaced.

## Responsibility

1. The user must strictly follow the safety warning and all the instructions in the manual. The compressor will give full play to its functions and efficiency during the probation period to reduce unnecessary faults and damages.
2. Keep instructions to read when using the machine.
3. For safety and better operation, read all instructions carefully and follow them.
4. Users who do not comply with the requirements shall be liable for the consequences.

## Packing list

When you receive the air compressor, please check whether all the accessories are complete according to the packing list in the attachment and whether the model is consistent with the one you bought.





## Preparation

1. Check whether the fastening bolts and nuts of each part are loose. If they are loose, they must be tightened. The machine must be placed in a clean, dry and ventilated place, 50cm above the wall.
2. Make sure that the power supply voltage does not exceed  $\pm 10\%$  of the rated voltage, otherwise the motor will be burnt.
3. Before running the air compressor, please check whether all power connections are connected reliably and whether all air pipe connections are in the state of tight connection.
4. Before the compressor works, please open the exhaust valve and allow it to idle for 5 minutes without pressure.

## safety precaution

1. Safety valve: air compressors are equipped with a safety valve, this valve is in the case of air compressor failure, to prevent the tank pressure too high and caused by the danger. Please do not adjust the safety valve of the specific model you purchased according to the design specification of "pressure vessel". If there is any need for readjustment, please inform our service department or dealer to serve you.
2. Pressure switch: the pressure switch has been assembled and reached the most appropriate performance before delivery. Do not parallel or move the switch. If the air pressure is too high, it will cause serious equipment damage or personnel injury.
3. Gas storage tank: overpressurization of a gas receiver, piping system, or gas storage tank may cause the tank to burst or explode. To prevent excessive pressurization, the air compressor shall be equipped with an installed safety valve before leaving the factory. Do not move, adjust or replace the valve. The valve shall be tested frequently and the ring shall be removed from the valve to ensure that it can work freely. Do not, under any circumstances, weld, drill or alter the air acceptor.
4. Motor and air compressor pump: air compressor will be hot when working, please do not touch the motor, pipe and pump.



## Wire

1. Please use rubber cable for power cord.

Minimum specification recommended for extension wires

Rated current	7.5	15	22.5	30	45	45
	m	m	m	m	m	m
0-5A	1.5 mm <sup>2</sup>	1.5mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5 mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
5.1-8A	1.5 mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5 mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
8.1-12A	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4mm <sup>2</sup>	/	/	/

2. When using air compressors, if you need to use an extension wire, please use our recommended specifications (if the extension wire length is too long or the specification is too small, it will cause pressure drop and cause start-up difficulty) :

## Air compressor maintenance

### The daily maintenance

#### Before daily use:

1. Check whether the connection of power cord and pipeline is reliable.
2. Make sure all nuts and bolts are fastened.
3. Check for abnormal sounds or vibrations.

#### After daily use:

First drain the compressed gas in the tank, then open the drain valve to drain the water in the tank.

#### Weekly maintenance:

1. Check all bolts, nuts and pipe connections for looseness after the first 50 hours of operation of the new machine.
2. Pull the TAB of the relief valve to make sure it is functioning properly.
3. Check whether the function of the pressure switch is normal every week, and set whether the pressure is 0.8mpa.





4. Clean the filter element in the filter every week.

### Monthly maintenance

1. Apply soapy water to all joints to check for air leakage in the ventilation system and tighten the joints where there is a significant air leakage.
2. Check that all nuts and bolts are fastened.
3. Replace the filter element of the filter.
4. Clean external parts of air compressor.

### Quarterly maintenance

1. Check all bolts, nuts and pipe connections for looseness.
2. Check the cylinder and piston for wear.

### Corrective maintenance

Failure	Reason	Methods of resolution
Low rotational speed	Voltage is too low Wire is too thin and too long The motor damage	Let electricity company to overhaul Use the wire with bloder and shorter Repair
Low air pressure	Air leak Air filter blocking Valve block carbon deposition or blocking Piston ring abrasive wear Gasket leak Valve block broken	Inspect channel Cleaning air filter or change Cleaning Change Change Change
High air pressure	Wrong set Pressure switch damage	Change the set to right value Change
Motor not run	Motor failure Voltage is too low Capacitor Is damaged Wire is too thin and too long Crankshaft or connecting rod is damaged	Repair Let electricity company to overhaul Change Use the wire with bloder and shorter Change



## SPECIFICATIONS

Model	SC012-015	SC020-015
Motor type	Electric	Electric
Rated power (cp/W)	1,2 cp/850W	2 cp/1500W
Voltage(V)	230V	230V
Speed (r/min)	1.400	1.400
Noise (db)	≤65db	≤65db
Displacement (L/min)	168L/min	206L/min
Rated pressure (bar)	8 bar	8 bar
Tank volume (L)	15 l	15 l
Weight (kg)	23	32
Dimension (mm)	620*420*395	620*420*395







# Warranty Certificate

Series AA No. \_\_\_\_\_  
Product name: \_\_\_\_\_  
Model : \_\_\_\_\_

Series no.: \_\_\_\_\_  
Accessories: \_\_\_\_\_  
Seller: \_\_\_\_\_  
Signature / stamp: \_\_\_\_\_

Buyer: \_\_\_\_\_  
Adress : \_\_\_\_\_  
Date of purchase: \_\_\_\_\_  
Signature / stamp: \_\_\_\_\_

DISTRIBUTOR: .....  
NAME: .....  
ADDRESS .....

***I hereby confirm that I received the product in perfect condition with the utilization manual and I fully agree that this warranty certificate is valid only accompanied with the purchase invoice or receipt. If the product is not accompanied by this certificate or warranty is expired or canceled by the service due to abnormal usage conditions, the repairs will be done and charged after my consent***

## Warranty Conditions

24 months warranty period from the date of purchase.

The service under terms of warranty has to be required to the closest Authorised Assistance Centre (you can find the list in our sales network or check it on our website [www.italiastar.ro](http://www.italiastar.ro) in the Service area) ; the buyer has to apply for warranty always showing documents about the date of purchase of the item itself.

As warranty we mean reparation or substitution of those spares that have manufacturing defects.

For all the Italia Star products, the terms of warranty are one year after the date of delivery to the user.

Reparations done during the warranty period do not interrupt the period of the general warranty itself.

The warranty service include reparation or substitution of all the defective parts; if the reparation is done at the customer's place all the transfer to and from the assistance centre will be charged to the purchaser.

All the reparations under terms of warranty, even if done in one of our authorised assistance





centres, have to be approved by Italia Star Service department in order to allow the reparations.

The warranty cannot be accepted in the following cases:

- When the repair or substitution of the parts has been done by a non-authorised Italia Star assistance service;
- When the cause of the problem is due to the use of non original Italia Star spare parts;
- When the user install on the machine non original or not indicated on the manual accessories;
- When the product has been, modified, repaired, disassembled from the buyer or from others;
- When there are modifications in the product done without Italia Star authorisation that can have influence on the correct functioning of the product;
- In case of incorrect start-up, incorrect use of the machine, incorrect use of the instruction given in the operating and maintenance manual, and not execution of the maintenance scheduled procedures;
- In case of natural disasters;
- In case of standard wear and tear;
- In case of damages caused by use of inadequate fuel and lubricant;
- In case of damages to the electrical components caused by an inadequate electrical system, in case of problems given by the electrical alimentation net, or by connections done without following the instruction of the operating and maintenance manual.

## **\*THE WARRANTY IS NOT TRANSMISSIBLE**

### Authorized Service

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

e-mail: \_\_\_\_\_

