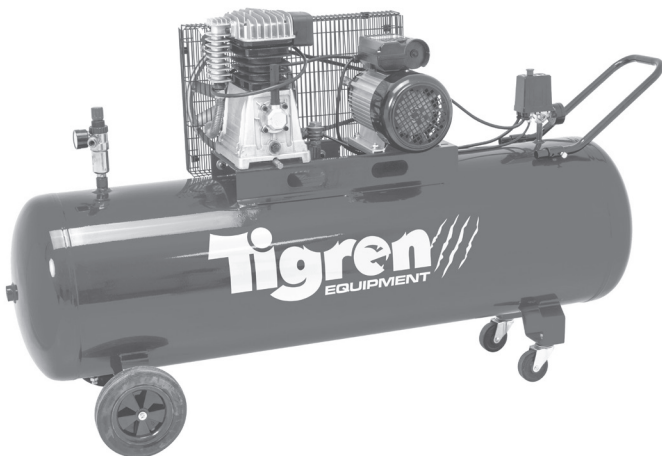


SIP Industrial Products Limited
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
United Kingdom

Tigren 100/150/200Ltr 3HP Air Compressor

04396 04391 04394



For help or advice please
contact your distributor, or sip
directly on: Tel.: 01509 500400
Email: sales@sip-group.com or
technical@sip-group.com
www.sip-group.com

Tigren
EQUIPMENT

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SAFETY INSTRUCTIONS



Danger / Caution: This image indicates risk of personal injury and/or the possibility of damage.



Warning: This image indicates risk of electrical injury or damage!



Note: This image indicates supplementary information.



Important: Please read the following instructions carefully, failure to do so could lead to serious personal injury and / or damage to the item.

Before using your compressor it is in your own interest to read and pay attention to the following safety rules.

1. Compressed air is dangerous. Do not point the jet of air at persons or animals and do not discharge compressed air against the skin.
2. DO NOT operate your compressor with any protection guard removed.
3. Repairs must only be carried out by a qualified engineer. If problems occur, contact your dealer.
4. Before carrying out any maintenance, make sure that the pressure is released from the air tank and that the compressor is disconnected from the electrical supply.
5. DO NOT leave pressure in the receiver overnight, or when transporting.
6. DO NOT adjust, or tamper with the safety valves. The maximum pressure is factory set, and clearly marked on the compressor.
7. DO NOT operate in wet or damp conditions. Keep the compressor dry at all times. Similarly, clean air will allow the compressor to work efficiently. Do not use in dusty or otherwise dirty locations.
8. Some of the metal parts can become quite hot during operation. Do not touch these until the compressor has cooled down.
9. Always set the pressure regulator to the recommended setting for the tool.
10. When spraying flammable materials e.g. cellulose paint, ensure that there is

SAFETY INSTRUCTIONS

sufficient airflow and keep clear of any source of ignition.

11. Before spraying any material always consult paint manufacturers instructions for safety and usage.
12. Protect yourself. Goggles will protect your eyes from flying particles. Face masks will protect you against paint spray and fumes.
13. Do not apply strain to electrical cables and make sure that air hoses are not kinked or wrapped around the compressor.
14. When disconnecting air hoses or other equipment from your compressor, make sure that the air supply is turned off at the outlet and vent all pressurised air from within the tank and other equipment attached to it.
15. Make sure that children and animals are kept well away from the compressor and any equipment attached to it.
16. Make sure that all individuals using the compressor have had the necessary training and have read and fully understand these operating instructions.
17. Make sure that any equipment or tool used in conjunction with your compressor has a safe working pressure exceeding that of the compressor.
18. Be careful when transporting the compressor to prevent tipping over
19. Permanently installed systems must be installed by a competent engineer.
20. These compressors produce noise levels in excess of 70dB(A). Persons working near the compressor must be supplied with ear protection.



This compressor contains surfaces which may reach a high temperature during operation. Never operate with the motor housing removed.



Wear safety goggles when using this compressor.

ELECTRICAL CONNECTIONS

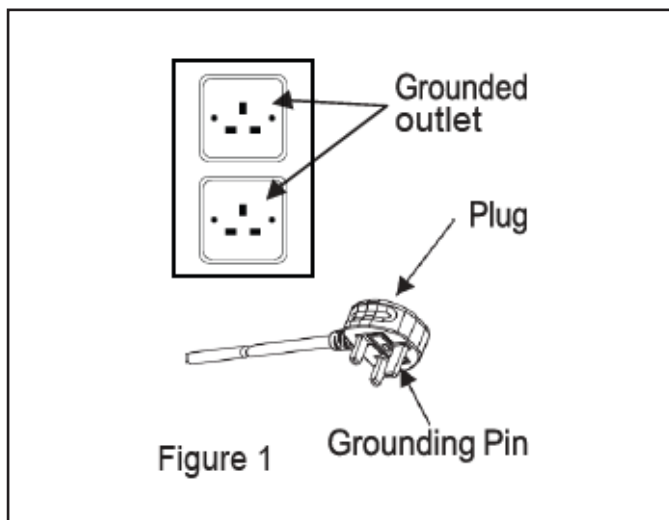


WARNING: Read these electrical safety instructions thoroughly before connecting the product to the mains supply.

This compressor is for use with a 230V UK domestic socket and should be grounded/earthed. Make sure that the product is connected to an outlet that has the same configuration as the plug (see Figure 1). If an extension lead is used, make sure the cable size is sufficient as to be able to take the current of the compressor.

Check with a qualified electrician if the grounding instructions are not understood or there is doubt as to whether the product is properly grounded. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

Improper installation of the grounding plug will result in a risk of electric shock. If repair or replacement of the cable or plug is necessary, consult a qualified electrician.



We strongly recommend that this machine is connected to the mains supply through a Residual Current Device (RCD).

If you are not sure, consult a qualified electrician. DO NOT try to do any repairs.

ELECTRICAL CONNECTIONS



NOTE: Always make sure the mains supply is of the correct voltage and the correct fuse protection is used. In the event of replacing the fuse always replace the fuse with the same value as the original.



WARNING: Improper use of extension leads may cause inefficient operation of the item which can result in overheating and motor damage.



WARNING: The wires in the power cable of this product are coloured in accordance with the following code:
Blue = neutral / Brown = live / Yellow and Green = earth

GUARANTEE

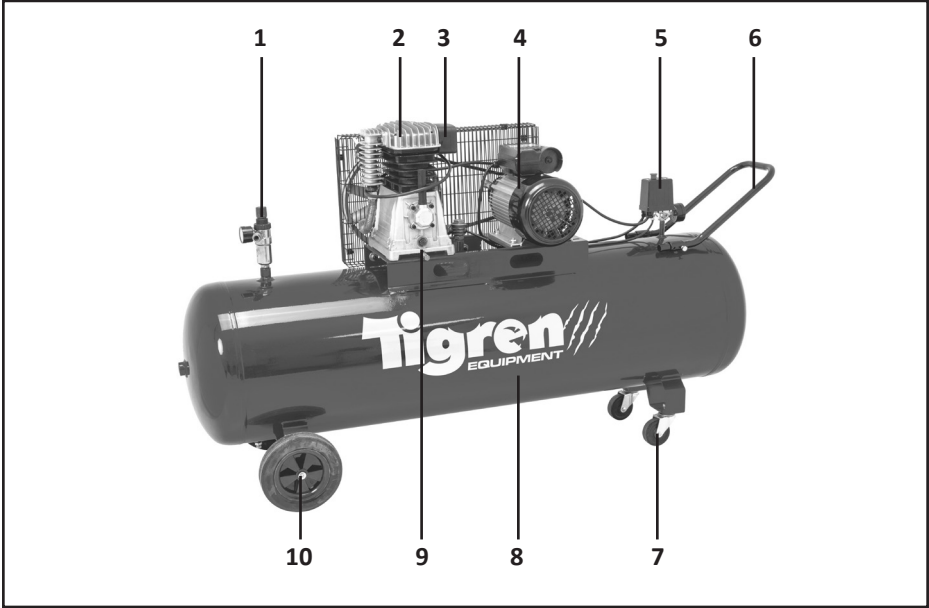
This item is covered by a 12 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the item outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges Including, but not limited to parts, labour and carriage costs.

Consumable items such as air filters are not covered by the warranty.



NOTE: Proof of purchase will be required before any warranty can be honoured.

YOUR COMPRESSOR



Item No.	Description	Item No.	Description
1.	Air Pressure Regulator	6.	Handle
2.	Pump	7.	Castor Wheels
3.	Air Filter	8.	Air Receiver
4.	Motor	9.	Oil Sight Glass
5.	On /Off - Pressure Switch	10.	Wheels

TECHNICAL SPECIFICATION

Model No.	04396	04391	04394
Input Voltage	220-240V ~ 50Hz		
Power	2.2 kW / 3 Hp		
Tank Size	100 L	150 L	200 L
Pressure	10 Bar / 150 psi		
Pump Speed	1100 rpm		
Piston Displacement	14 CFM - 400 L/Min		
Free Air Delivered	10 CFM - 285 L/Min		
Isolation Class	F		
Protection Type	IP54		
Motor Efficiency	80%		
Noise	97 dB		
Dimensions	1080×380×800 mm	1370×450×880 mm	157×450×880 mm
Weight	65 Kg	96 Kg	107 Kg

ASSEMBLY INSTRUCTIONS

Preparation

Before beginning the assembly of the product make sure the assembly area is clean and ready to carry out the different operations required to build the compressor. Tools will be required (not supplied).

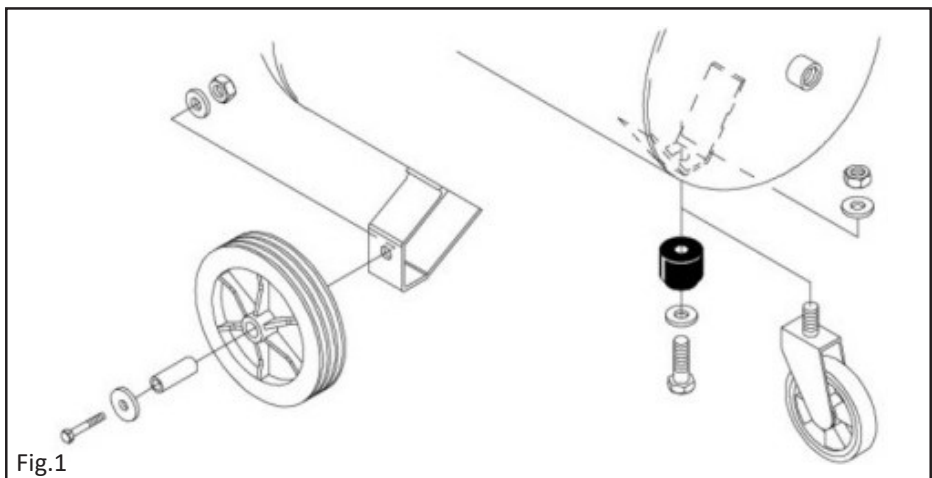
Assembly Instructions / Front Wheel Assembly

1. Insert the bolt along with the washer and the sleeve through the wheel.
2. Insert it through the bracket on the bottom of the tank assembly.
3. Fit the washer and screw in order to tighten the full assembly as indicated in the picture below (Fig.1).
4. Repeat this step for the second wheel.

Assembly Instructions / Rear Wheel Assembly

1. Insert the bolt along with the washer through one of the wheels.
2. Place the rubber spacer and insert the bolt and washer attached to the wheel through the bracket on the bottom of the tank assembly.
3. Fit the washer and screw in order to tighten the full assembly as indicated in the picture below (Fig.1).
4. Repeat this step for the second wheel.

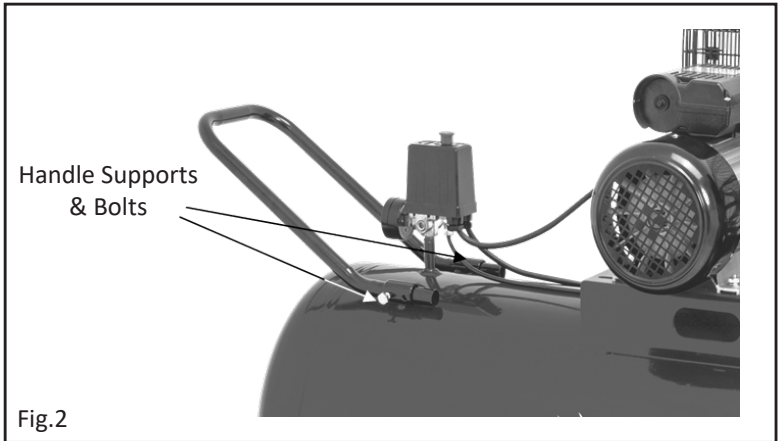
Once assembled, roll the air compressor to test the operation of the wheels. Periodically check to ensure that wheel and the hardware is tight.



OPERATING INSTRUCTIONS

Assembly Instructions / Handle

1. Place the handle into the two inserts of the tank on the back part.
2. Tighten the screws to hold the handle in place. Fig.2



Before Each Start Up

1. Press the ON/OFF switch down to the off position.
2. Turn the air pressure regulator knob anti - clockwise until it stops. Fig.3
3. Attach air hose/accessories or air tools (not included) to the airline outlet coupler.

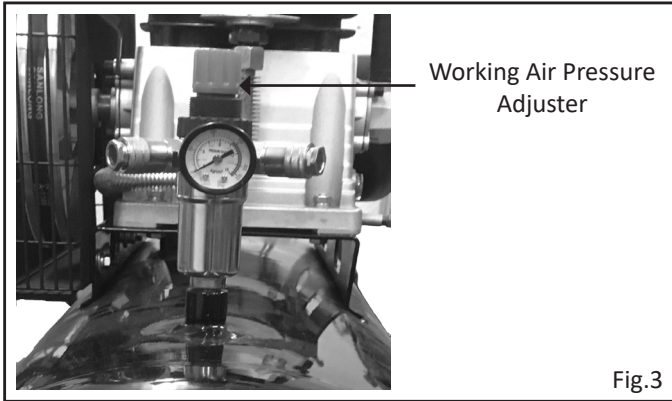


NOTE: Do not attempt to remove air couplers (B). They are thread locked in placed - removal may result in damage to the air regulator which is **NOT** covered under warranty.



Danger / Caution: Burst Risk. Too much air pressure causes a hazard of bursting. Check the manufacturers maximum pressure rating for air tools & accessories. The regulator outlet must never exceed the maximum rated pressure.

OPERATING INSTRUCTIONS



How To Start The Compressor

1. Ensure that the condensate drain valve is closed on the tank. Fig.4
2. Plug in the mains lead.
3. Pull the ON/OFF switch knob UP to the ON position and allow tank pressure to build. Motor will stop when tank pressure reaches “cut-out” pressure (10Bar).
4. Turn the air pressure regulator clockwise until desired working pressure is reached.
5. The compressor is ready for use.
6. Once air is drawn from the tank, the compressor will automatically cut back in when the pressure in the tank is reduced to “cut-in” pressure (8.5 Bar) and starts pumping.



OPERATING INSTRUCTIONS



Danger / Caution: This compressor contains surfaces which may reach a high temperature during operation. Never operate with the motor housing removed. Do not touch the compressor whilst it is running.

How To Stop & Shut-Down The Compressor

1. Press the ON/OFF switch knob down to the OFF position.
2. Unplug the mains lead.
3. Reduce the pressure in the tank until empty.
4. Open the tank drain valve to allow condensate to drain. Collect and dispose of according to local regulations. You may need to tip the tank to remove all the condensate.



Danger / Caution: Escaping air and moisture can propel debris that may cause eye injury. Wear safety glasses when opening the drain valve.



Danger / Caution: Connect all the fittings and adaptor before the tank is full of air. It will allow you to connect and remove you air tools safety.



NOTE: Ensure that the air receiver is drained daily using the drain valve and that the condensate collected is disposed according to local regulations.

MAINTENANCE

Before carrying out any operation, always pull out the plug and drain the receiver completely.

- **Drain the tank**

After use, always open the drain valve to make sure that any condensate is drained off. Fig.5

- **Changing the Oil**

Replace the oil after the first 100 hours of operation and every 300 hours subsequently. Used oil and condensate must be disposed of in accordance with the environmental regulations.

Never mix different grade oils and check the colour. If it changes to a darker colour, replace immediately the oil. We recommend to use *SIP Advanced Compressor Oil*, for more information contact SIP customer service.

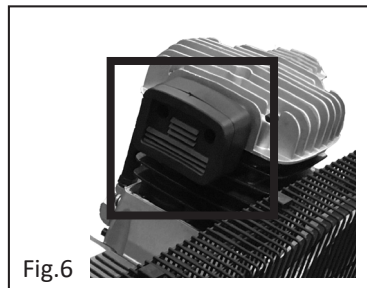
- **Changing the Air Filter**

The air filter should be changed after 100 hours of use. Please, get in touch with SIP customer service for more information. Fig.6

- **Cleaning and storage**

Clear dust from the machine at regular intervals, if used in a dirty environment the machine should be cleaned after each use.

If the machine is not going to be used for a long time, store it in the original packing and in a dry place.



TROUBLESHOOTING

FAULT	CAUSE	REMEDY
Leakage of air from the valve of the pressure switch with the compressor off.	The valve may not be performing well due to grease or dirt on the seal.	Unscrew the hexagonal head of the valve, clean the valve seat and the special rubber disk (replace if worn).
Reduction of performance. Frequent start-up. Low pressure values.	Excessive performance request, check for any leaks from the couplings and/or pipes. Intake filter may be clogged.	Replace the seals of the fitting, clean or replace the filter.
The compressor stops and restarts automatically after a few minutes.	Tripping of the thermal cut-out due to overheating of the motor.	Clean the air ducts in the conveyor. Ventilate the work area. Check oil level, quality and have the voltage checked.
The compressor does not stop and the safety valve is tripped.	Irregular functioning of the compressor or breakage of the pressure switch.	Remove the plug and contact the SIP Customer Service.

EXPLODED DRAWING, PARTS LIST & WIRING DIAGRAM

*For full Exploded Drawing, Parts List & Wiring Diagram contact:

- <https://www.sip-group.com/>
- SIP Customer Service: 01509 500400
- Email: customerservice@sip-group.com

Declaration of Conformity

We

SIP (Industrial Products) Ltd
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
England

As the manufacturer within the UK, England, Scotland & Wales,
declare that the

Tigren 100 ltr Air Compressor 230V - SIP Part No. 04396
Tigren 150 LTR Air Compressor 230V - SIP Part No. 04391
Tigren 200 ltr Air Compressor 230V - SIP Part No. 04394

Conforms to the requirements of the following regulation(s), as indicated.

Supply of Machinery (Safety) Regulations 2008
Electromagnetic Compatibility - Directive 2014/30/EU
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
Regulations 2012
Noise Emissions in the Environment for Equipment for use Outdoors Regulations 2001
Simple Pressure Vessels (Safety) Regulations 2016

Noise measurements have been made in accordance with the internal control of production
(Schedule 45/Annex V). The declared noise values are as follows:

Guaranteed sound power level for 04396 04391 04394 - 97dB(A)

And the relevant harmonised standard(s), including

BS EN 60204-1:2018
BS EN 1012-1:2010
BS EN61000-6-1:2007
BS EN61000-6-1:2007/A1:2011
BS EN ISO 3744:2010

Signed:



Mr P. Ippaso - Managing Director - SIP (Industrial Products) Ltd
Date: 13/06/2022

Declaration of Conformity

We

SIP (Machinery Europe) Ltd
ASM Chartered Accountants
First Floor Block One
Quayside Business Park
Dundalk
County Louth
Republic of Ireland

As the manufacturer's authorised representative within the EC
declare that the

Tigren 100 ltr Air Compressor 230V - SIP Part No. 04396
Tigren 150 LTR Air Compressor 230V - SIP Part No. 04391
Tigren 200 ltr Air Compressor 230V - SIP Part No. 04394

Conforms to the requirements of the following directive(s), as indicated.

2006/42/EC - Machinery Directive
2014/30/EU - EMC Directive
2011/65/EU - RoHS Directive
2000/14/EC - Noise Emission Directive
2014/29/EU - Pressure Equipment Directive

Noise measurements have been made in accordance with the internal control of production (Schedule 45/Annex V). The declared noise values are as follows:

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EN 60204-1:2018
EN 1012-1:2010
EN61000-6-1:2007
EN61000-6-1:2007/A1:2011
EN ISO 3744:2010

Signed:



Mr P. Ippaso - Managing Director - SIP (Industrial Products) Ltd
Date: 13/06/2022





Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.

**FOR HELP OR ADVICE ON THIS
PRODUCT PLEASE CONTACT
YOUR DISTRIBUTOR, OR SIP
DIRECTLY ON:**

TEL: 01509 500400

EMAIL: sales@sip-group.com or

technical@sip-group.com

www.sip-group.com