



# 24L OIL FREE AIR COMPRESSOR

MODEL NO: TIGER 7-260

PART NO: 1499520

# OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC0824 Rev 2

### **INTRODUCTION**

Thank you for purchasing this Air Compressor.

Before attempting to operate the machine, it is essential that you read this manual thoroughly and carefully follow all instructions given. In doing so you will ensure the safety of yourself and that of others around you, and you can also look forward to the product giving you long and satisfactory service.

### **SPECIFICATION**

230 V/ 50 Hz
•
546 x 352 x 560 mm
22.7 kg
24L
2 HP
13 amps
IP20
8 Bar/116 psi
220 L/min (7.8cfm)
93.7 dB LwA
96 dB LWA

Please note that the details and specifications contained herein are correct at the time of going to print.

### **GUARANTEE**

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended. Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

### **GENERAL SAFETY WARNINGS**



WARNING: WHEN USING ELECTRICAL TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND PERSONAL INJURY

WARNING: READ ALL THESE INSTRUCTIONS BEFORE ATTEMPTING TO OPERATE THIS PRODUCT AND KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

### **WORK AREA**

- Keep the work area clean and well lit. Floors should always be kept clear. Cluttered or dark areas invite accidents.
- 2. **Keep children and bystanders away while operating a power tool.** Distractions can cause loss of control.
- 3. The compressor should only be used in areas with adequate ventilation and should not be exposed to heat or used near flammable substances

### **PERSONAL SAFETY**

- ALWAYS stay alert, watch what you are doing and use common sense when operating the compressor. Do not use the compressor while you are tired or under the influence of medication, drugs or alcohol. A moment of inattention can result in personal injury.
- 2. **ALWAYS** use eye protection when operating compressed air equipment, and ensure that others in the work area are protected from flying particles from the front and from the side.
- ALWAYS protect yourself against electric shock. NEVER operate the compressor in wet or damp locations.
- 4. **NEVER** over-reach. Keep your proper footing and balance at all times to enable better control of the compressor in unexpected situations.
- 5. **NEVER** attempt any complex repairs yourself. If you have a technical problem contact your local dealer.
- 6. ALWAYS store the compressor out of reach of children.
- 7. **ALWAYS** protect your hearing. Ear protection should be worn when operating this compressor and it's associated power tools.
- 8. **NEVER** direct the air stream at people or animals, as injury may result. Compressed air can cause soft tissue damage and propel dirt and other particles at high speed.

NEVER insert your fingers or other objects inside the motor housing. NEVER operate the compressor without the cover in place.

### **GENERAL MACHINE USE AND CARE**

- 1. Prior to use, all operators should become familiar with the instructions in this booklet especially the ON/OFF switch for emergency stopping.
- 2. **ALWAYS** maintain the compressor with care and keep it clean for best / safest performance.
- 3. **NEVER** use this compressor if any part is damaged. Have it inspected and repaired by your dealer.
- 4. **NEVER** attempt to modify the air compressor, tank, fittings or attachments in any way. Doing so will invalidate the guarantee and could result in personal injury.
- 5. **NEVER** abuse the power cable. Never pull on the cable when removing the plug from the socket, or lift the compressor by the power cable.
- ONLY use extension leads that are of an appropriate power rating and suitable for the work environment. Extension leads must have an earth connection. Inspect the extension lead regularly and replace if damaged.
- 7. **ONLY USE RECOMMENDED PARTS:** To avoid the risk of bursting, only hoses with a rated pressure of 10 bar, or more should be used. **NEVER** attempt to repair damaged hoses.
- 8. **NEVER** abuse the compressor by standing on it.

### **AIRLINE HOSES**

- 1. **ALWAYS** ensure that equipment or power tools used in conjunction with the compressor have a safe working pressure exceeding that of the machine.
- 2. **ALWAYS** keep the air hose away from any attached power tools and ensure that the operator is not restricted by the length of the hose.
- 3. **ALWAYS** take care when a long air hose is required in the work area as it presents a trip hazard. Coil the hose away as soon as the job is finished.
- 4. **ALWAYS** avoid kinking or trapping the air hose. **ALWAYS** replace faulty hoses and never attempt a repair if a leak is detected.
- NEVER abuse hoses or connectors. NEVER carry an air tool by the hose, or yank
  it to disconnect from the air supply. Keep hoses away from heat, oil and sharp
  edges. Check hoses for leaks or worn condition before use and ensure that all
  connections are secure.
- ALWAYS ensure that the air supply is turned off at the machine outlet and any air pressure vented from within the compressor and any attached equipment when disconnecting air hoses or other equipment.

### AIR COMPRESSOR SAFETY INSTRUCTIONS

- 1. **ONLY USE WITHIN THE RECOMMENDED OPERATING TEMPERATURE RANGE:** This compressor should only be used in an ambient temperature of between +5°C and +40°C (never at or below freezing temperatures).
- 2. **NEVER USE AN AIR COMPRESSOR WHICH APPEARS DEFECTIVE OR IS OPERATING ABNORMALLY:** If the compressor operates unusually or makes strange noises, switch off immediately and purge the air reservoir. Arrange repairs with your nearest dealer.
- BREATHING QUALITY AIR: This compressor should not be used to supply breathing quality air.
- 4. **SAFETY VALVE: NEVER** remove or attempt to adjust the safety valve. The maximum pressure is factory set. Keep the safety valve free from paint and other accumulations.
- 5. **AVOID UNINTENTIONAL STARTING: DO NOT** move the compressor when it is connected to the mains power supply.
- 6. **BEFORE EACH USE CHECK THE COMPRESSOR AND HOSE FOR DAMAGED PARTS:** Never use the compressor if it has been damaged in any way. Have the compressor repaired by a qualified service engineer. **DO NOT** use the compressor if the On/Off switch does not operate correctly.
- 7. **KEEP THE MOTOR AIR VENTS CLEAR:** Keep the motor vents clear and free from dust. Wipe regularly to maintain an adequate supply of clean air and avoid using in dusty conditions.
- 8. **OPERATE THE COMPRESSOR AT THE CORRECT VOLTAGE:** Make sure that the mains supply voltage is the same as the voltage shown on the label.
- 9. **ALWAYS** adjust the pressure regulator to the recommended setting for the particular spray gun or air tool being used.
- 10. When using the compressor for painting:
- **DO NOT** work in enclosed areas or near naked flames.
- Ensure that the area in which you are working has good ventilation.
- Protect your nose and mouth with a suitable face mask.
- ALWAYS check the safety data sheets for substances being sprayed & ensure manufacturer's instructions are followed.
- 11. **DO NOT USE THIS COMPRESSOR TO INFLATE SMALL, LOW-PRESSURE OBJECTS:** Items such as children's toys or footballs can explode if over-inflated.
- 12. **NEVER STOP THE COMPRESSOR BY REMOVING THE PLUG OR SWITCHING OFF AT THE MAINS SUPPLY: ALWAYS** use the On/Off switch on the compressor.

### **SAFETY SYMBOLS**

The following safety symbols are shown on the product or it's packaging. Please read all of the safety and operating instructions carefully before use.



Read this instruction booklet carefully before positioning, operating or adjusting the compressor.



This compressor produces a high sound level during operation. Ear protection should be worn.



This compressor contains surfaces which may get hot during operation. Never operate with the motor housing removed.



Risk of accidental start-up. The compressor could start automatically in the event of a power cut and subsequent reset. **DO NOT** carry the compressor while it is connected to the power source, or when the receiver is filled with compressed air.



Risk of electric shock. The compressor must be disconnected from the mains supply before removing any covers. **DO NOT** use in a damp environment.

### **ELECTRICAL CONNECTIONS**



WARNING! READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Connecting it to any other power source may cause damage.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

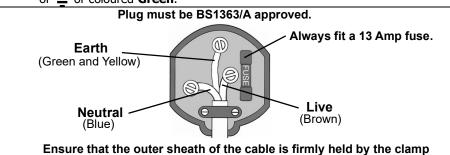
If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.



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

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals of your plug, proceed as follows.

- The **Blue** wire must be connected to the terminal marked **N** or coloured **Black**
- The Brown wire must be connected to the terminal marked L or coloured
   Red.



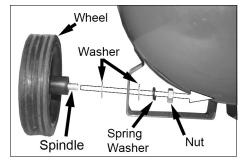
We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD). If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.

### **BEFORE USE**

### **ATTACHING THE WHEELS**

Use a spanner and X-head screwdriver to attach the wheels to the compressor.

Use the parts in the positions shown.



### ATTACHING THE SUPPORTING FOOT

Insert the support foot into the position shown and secure with the bolt, nut and washers supplied.



Before connecting your compressor to the power supply, check the following:-

- Set the ON/OFF switch to the OFF position (pushed down).
- Make sure that the compressor is on level ground.



### **MOVING THE AIR COMPRESSOR AROUND**



CAUTION: TO PREVENT INJURY, ASSISTANCE MAY BE HELPFUL WHEN LIFTING THIS COMPRESSOR.

- 1. Stop the compressor and disconnect it from the power supply before you move it.
- 2. **ALWAYS** use the handle. To prevent damage, never lift by (or put strain on) valves or hoses.

### **OPERATION**

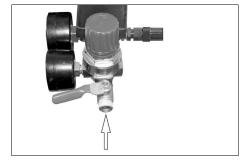
If the compressor has not been used for more then 24 hours, open the drain valve (on the bottom of the reservoir) and drain any condensate which has collected. See page 12.

### **ATTACHING AIR TOOLS**



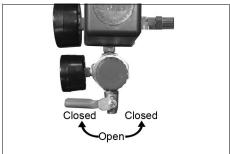
WARNING: BEFORE CONNECTING AIR TOOLS, MAKE SURE THAT YOU READ THE INSTRUCTIONS SUPPLIED WITH THE TOOL, ALSO ENSURE THAT THE TOOL IS SUITABLE FOR USE WITH THE COMPRESSOR AND HOSE SPECIFICATIONS.

- 1. Attach the air hose to the ¼" BSP outlet valve.
- 2. Attach the tool to the end of the air hose.



3. Turn the outlet valve handle to the open position.

**NOTE:** The outlet valve is shown without the air hose fitted for clarity.



### **TURNING THE COMPRESSOR ON**

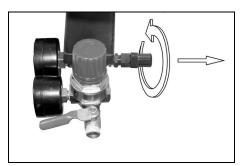
- 1. Plug the compressor into the power supply.
- 2. Lift the On/Off button.
  - The compressor will operate until the reservoir is fully pressurised and then shut down.
  - The compressor will start up again when the pressure in the reservoir decreases.



### **CHECK THE SAFETY VALVE**

To make sure that the safety valve works correctly:

- 1. Unscrew the knurled end and pull it firmly outwards.
  - Air will be released when you pull the cap out and stop when released.
- If the valve does not operate in this way, do not use the compressor. The compressor must be repaired by your dealer.
- 3. Screw the knurled end cap back into position.



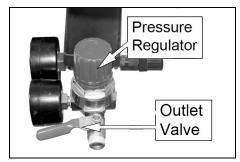


WARNING: DO NOT REMOVE OR TRY TO ADJUST THE SAFETY VALVE.

### **SET THE OUTPUT PRESSURE**

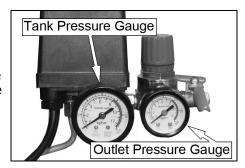
Use the pressure regulator to set the output pressure of the left hand outlet valve.

- Turn clockwise to increase the pressure.
- Turn counterclockwise to decrease the pressure.



### THE PRESSURE GAUGES

- 1. The reservoir pressure gauge shows the current pressure in the reservoir.
- 2. The outlet pressure gauge shows the 'user set' outlet pressure. This can be adjusted as shown above.

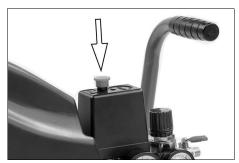


### REMOVING AIR DRIVEN TOOLS FROM THE AIR HOSE

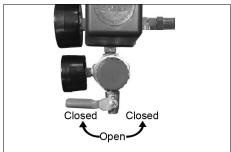


WARNING: ALWAYS SET THE PRESSURE REGULATOR TO ZERO BEFORE YOU REMOVE OR REPLACE A TOOL.

1. Push down on the On/Off button to stop the compressor.



- 2. Turn the outlet valve handle to the off position.
- 3. Operate the air tool to depressurise the air hose.
- 4. Disconnect the air tool from the hose.



### **TURNING THE COMPRESSOR OFF**

- 1. Follow steps 1-3 in "Removing Tools from the Air Hose" above.
- 2. Disconnect the compressor from the power supply.
- 3. Slowly open the outlet valve to depressurise the reservoir.
  - You will hear a hissing sound as the reservoir depressurises.
  - DO NOT leave the compressor unattended if the reservoir is pressurised.

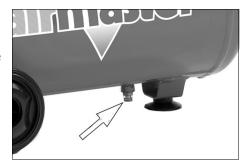


### DRAINING THE AIR RESERVOIR



CAUTION: YOU SHOULD DRAIN THE AIR RESERVOIR AFTER EACH DAYS USE AND BEFORE YOU PUT YOUR COMPRESSOR INTO STORAGE

- 1. Turn the compressor off and disconnect from the power supply.
- 2. Put a container below the drain valve to collect the condensate.
- 3. Open the drain valve slowly.
  - Condensation will drain from the reservoir.
- 4. Close the drain valve when the reservoir has fully drained.



### **RESET BUTTON**

This compressor has a thermal overload device.

If the motor gets too hot, the thermal overload device cuts the power which prevents damage to the motor.

If the thermal overload device operates, let the motor cool down for 5 minutes and push then the reset button.



If you start the compressor and the overload cutout operates again, stop the compressor and disconnect from the power supply and have your compressor examined by a qualified service agent.

### **MAINTENANCE**

### **DRAIN THE RESERVOIR (DAILY)**

After use, always open the drain valve to make sure that any condensate is drained off as shown on page 12.

### **CLEANING**

Keep the compressor free of dirt and dust as far as possible. Wipe with a clean cloth or blow it down with compressed air at low pressure.

If cleaning is required, use a damp cloth and some soft soap. **DO NOT** use cleaning agents or solvents as these may be aggressive to the plastic parts.

ALWAYS disconnect the hose and any air tools from the compressor before cleaning.

### **CHECKING THE NON-RETURN VALVE**

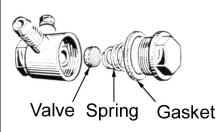
If the reservoir pressure decreases for no apparent reason, it is possible that the non-return valve is leaking. To check:

- 1. Make sure that the reservoir is not under pressure and the compressor is switched OFF.
- 2. Examine the non-return valve, and replace the gasket and valve if necessary.



### **STORAGE**

Disconnect the mains plug and ventilate the compressor and any connected pneumatic tools. Store the compressor upright in a dry location.



## **ENVIRONMENTAL RECYCLING POLICY**

This means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility. This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling of metal products.

## **TROUBLESHOOTING**



CAUTION: DO NOT TRY TO REPAIR OR ADJUST THIS COMPRESSOR IF YOU ARE UNCERTAIN OF YOUR ABILITY. IF YOU HAVE ANY QUERIES, CONTACT YOUR DEALER.

PROBLEM	PROBABLE CAUSE	REMEDY
The compressor has stopped and does not start.	Bad electrical connections.	Check electrical connections.
		Clean and tighten if necessary.
	Overload cutout switch has tripped.	Switch off and wait approx 5 minutes.
		Press the reset button and switch on again.
	Motor windings burnt out.	Contact your dealer for a replacement motor.
The compressor does not reach the set pressure and overheats easily.	Compressorheadgasketblown or valve damaged.	Return the machine to your nearest service agent.
Compressor does not start.	The reservoir has already fully pressurised.	Open drain valve to expel air. Compressorshouldstartagainwhen pressure reduces.
Air leaking from	Faulty non-return valve.	Drain receiver completely of air.
the non-return valve when the compressor is not running.		Remove valve end plug
		Carefullycleanthevalveseatandthe gasket.
		Reassemble.
Air pressure from the regulator will not adjust.	The diaphragm within the regulator body is broken.	Replace regulator
Compressor is noisy & makes a metallic sound.	Compressordamagedancheeds overhaul.	Return the machine to your nearest service agent.

### **DECLARATION OF CONFORMITY - UK**



# **DECLARATION OF CONFORMITY**

This is an important document and should be retained.

The following standards have been applied to the product(s): We hereby declare that this product(s) complies with the following legislation: EN ISO 4126-1:2013+A1:2016, EN 62321-7-1:2015, EN 1012-1:2010, EN 62321-4:2014+A1:2017, EN 62321-3-1:2014, EN 62321-7-2:2017, EN 62321-1:2013, EN 62321-2:2014, EN 62321-5:2014,

EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN ISO 3744:2010, EN 62321-6:2015,

EN 60204-1:2018, EN 62321-8:2017, EN 286-1

The Supply of Machinery (Safety) Regulations 2008

The Electromagnetic Compatibility Regulations 2016

The Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 The Pressure Equipment (Safety) Regulations 2016 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 The Simple Pressure Vessels (Safety) Regulations 2016 PRESSURE EQUIPMENT
TUV FRHeinand Bujgaria EOOD (ID: 1853), 36
Dragan Tsankov Boulevard. Block B, Floor 8,
Office 801, 1040 Sofia, Bulgaria Notified Body:

OUTDOOR NOISE Ente Certificazione Macchine (ID: 1282), Va Ca' Bela 243, Castello di Serravalle, 40053 Valsamoggia (BO), Italy

Assessment Procedure: Annex VI of above noise legislation

95.1 dB 97 dB

Measured LWA:

Guaranteed LWA:

SIMPLE PRESSURE VESSELS
TUV SUD Industrie Service GmbH (ID: 0036),
Westendstraße 199, 80666 München,
Germany

Notified Body:

Certificate Number:

Assessment Category: N/A Assessment Module(s): C2

Assessment Module(s): B (Production Type) 1853-PED-20 0204 Assessment Category: Certificate Number:

This declaration is issued, in accordance with (UK) legislation, under the sole responsibility of the manufacturer. The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2021

Machine Mart Ltd, 211 Lower Parliament Street, Nottingham, Nottinghamshire, NG1 1GN, United Kingdom

Air Compressor

Product Description: Model Number(s):

Manufacturer:

16/08/2024 Alan Pond Document Holder: Date of Issue:

Page 1 of 1

J.A Clarke

Signed:

Refer to product/packaging label **TIGER 7-260** 

Serial/Batch Number:

TIGER 7-260 UKCA Clarke DOC 081624

## **DECLARATION OF CONFORMITY - CE**

EN 60204-1:2018, EN 62321-8:2017, EN 286-1

Restriction of Hazardous Substances (RoHS) Directive

Pressure Equipment Directive

Simple Pressure Vessels Directive



# **DECLARATION OF CONFORMITY**

This is an important document and should be retained.

We hereby declare that	We hereby declare that this product(s) complies with the following legislation:	The following standards have been applied to the product(s):
2014/30/EU	Electromagnetic Compatibility Directive	EN ISO 4126-1:2013+A1:2016, EN 62321-7-1:2015, EN 1012-1:2010, EN 62321-4:2014+A1:2017,
2006/42/EC	Machinery Directive	EN 62321-3-1:2014, EN 62321-7-2:2017, EN 62321-1:2013, EN 62321-2:2014, EN 62321-5:2014,
2000/14/EC	Outdoor Noise Directive	EN IEC 61000-6-1;2019, EN IEC 61000-6-3:2021, EN ISO 3744:2010, EN 62321-6:2015,

2014/30/EU 2006/42/EC 2000/14/EC 2014/68/EU 2011/65/EU 2014/29/EU PRESSURE EQUIPMENT
TUN Khenihand Bulgaria EOOD (ID: 1853), 36
Dragan Tsankov Boulavard, Block B, Floor 8,
Office 801, 1040 Soffia, Bulgaria 1853-PED-20 0204 Assessment Category: IV Certificate Number: Notified Body:

OUTDOOR NOISE Ente Certificazione Macchine (ID: 1282), Via Ca' Bella 243, Castello di Serravalle, 40053 Valsamoggia (BO), Italy

ssessment Procedure: Annex VI of above noise legislation

95.1 dB

Measured LWA:

Guaranteed LWA:

This declaration is issued, in accordance with (EU) legislation, under the sole responsibility of the manufacturer. The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

Assessment Module(s): B (Production Type)

The CE mark was first applied in: 2021

Assessment Category: N/A Certificate Number: Notified Body:

SIMPLE PRESSURE VESSELS TUV SI/D Industrie Service GmbH (ID: 0036). Westendstraße 199, 80666 München, Germany 12 202 230591252 001-1 Assessment Module(s): C2

J.A Clarke

Director

Page 1 of 1

Refer to product/packaging label Serial/Batch Number:

Signed:

16/08/2024 Alan Pond

Document Holder:

Machine Mart Ltd, Fitzwilliam Hall, Fitzwilliam Place, Dublin 2, Republic of Ireland

Air Compressor **TIGER 7-260** 

Product Description:

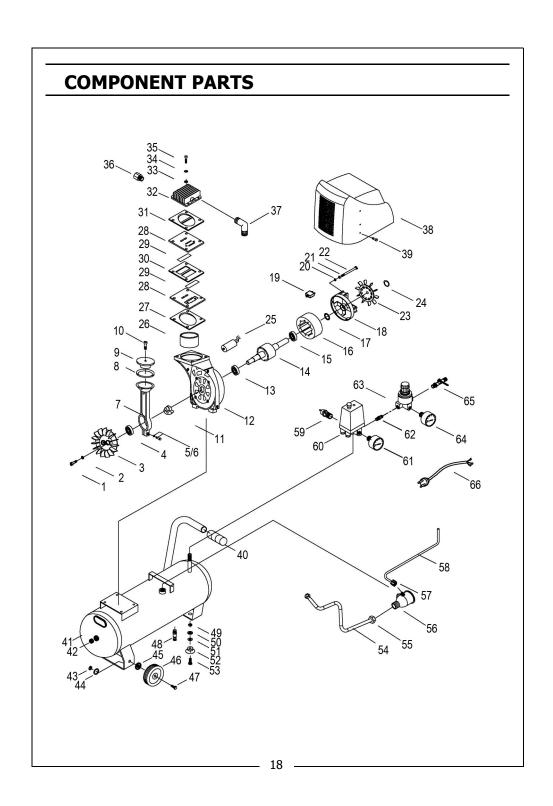
Manufacturer:

Date of Issue:

TIGER 7-260 CE Clarke DOC 081624

Model Number(s):

Notified Body:



No	Description
1	Bolt
2	Washer
3	Fan
4	Bearing
5	Washer
6	Bolt
7	Connecting rod
8	Seal cup
9	Press plate
10	Bolt
11	Crankshaft
12	Crankcase
13	Bearing
14	Rotor
15	Bearing
16	Stator
17	Wave gasket
18	Bearing seat
19	Overload protector
20	Flat washer
21	Spring washer
22	Long bolt
23	Fan
24	Pin clip
25	Capacitor
26	Cylinder
27	Valve plate gasket
28	Valve plate
29	Valve reed
30	Aluminium gasket
31	Head cover gasket
32	Head cover
33	Flat washer

No	Description
34	Spring washer
35	Bolt
36	Air filter
37	Elbow
38	Cowl
39	Bolt
40	Handle cover
41	Tank
42	Checking hole plug
43	Hex nut
44	Spring washer
45	Flat washer
46	Wheel
47	Bolt
48	Drain valve
49	Nut
50	Spring washer
51	Flat washer
52	Foot
53	Bolt
54	Exhaust pipe
55	Nut
56	Check valve
57	Discharge pipe nut
58	Discharge pipe
59	Safety valve
60	Pressure switch
61	Pressure gauge(50mm)
62	Connector
63	Regulator
64	Pressure gauge (40mm)
65	Air tap
66	Power cable





For Servicing and Spare Parts, please contact Machine Mart on one of the following numbers

PARTS: 0871 410 1270 SERVICE: 0871 410 1290