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MODEL:
HC52V

06/2021

5

YEAR
WARRANTY

User Manual

FERREX[®]

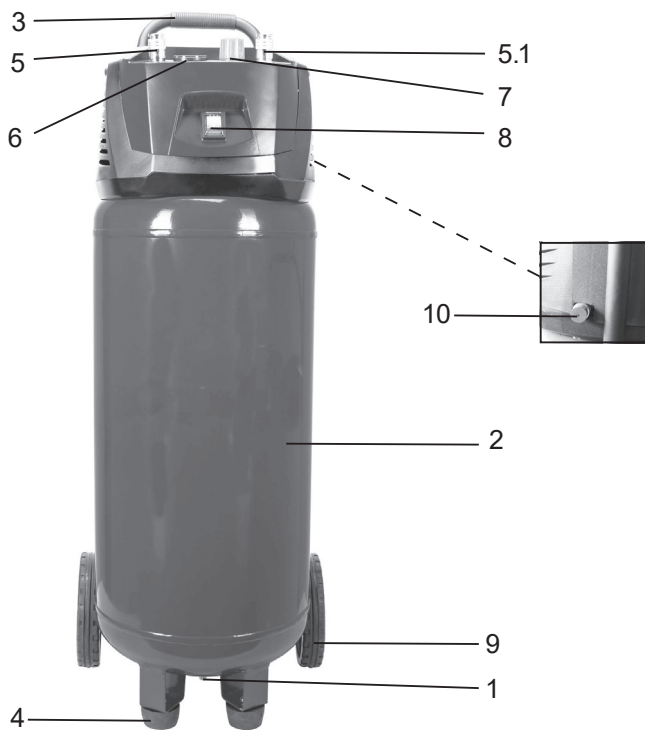
AIR COMPRESSOR - HC52V



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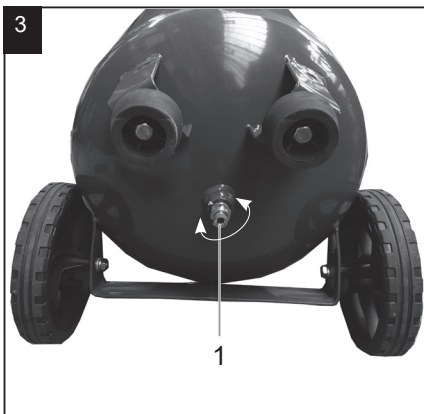
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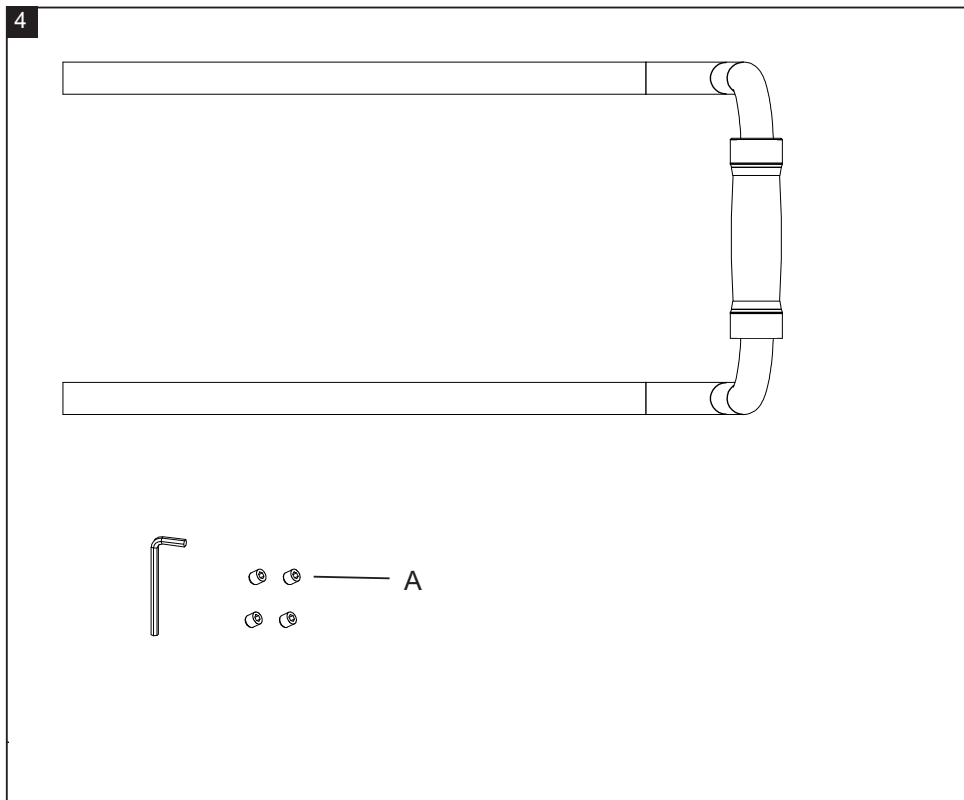


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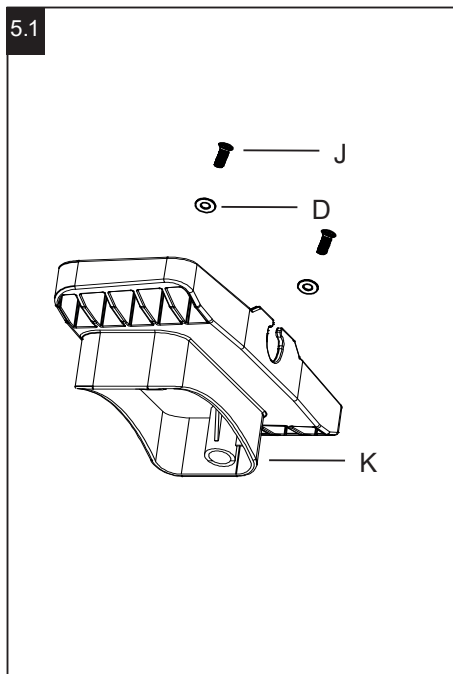




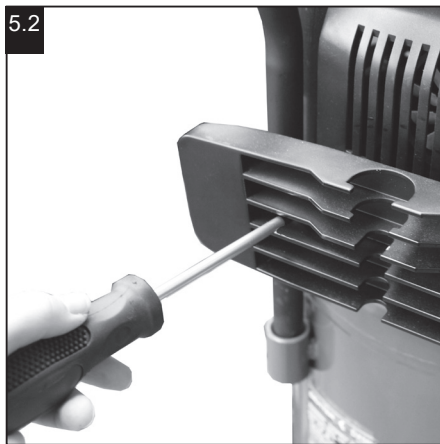
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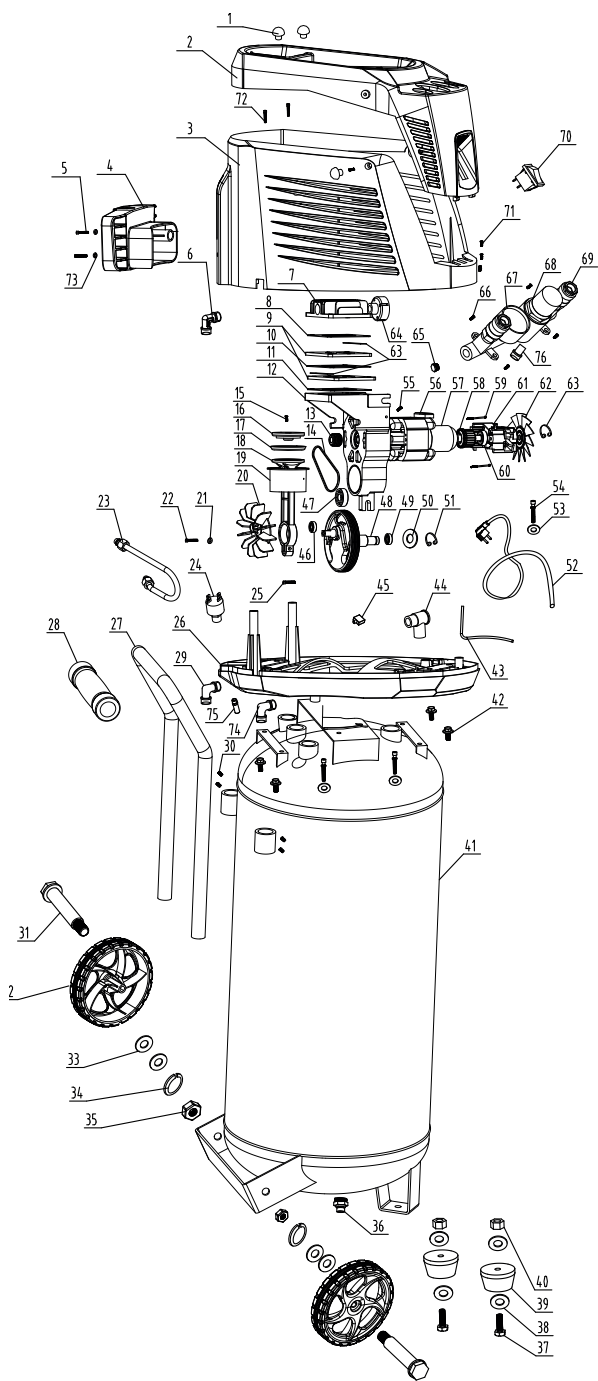


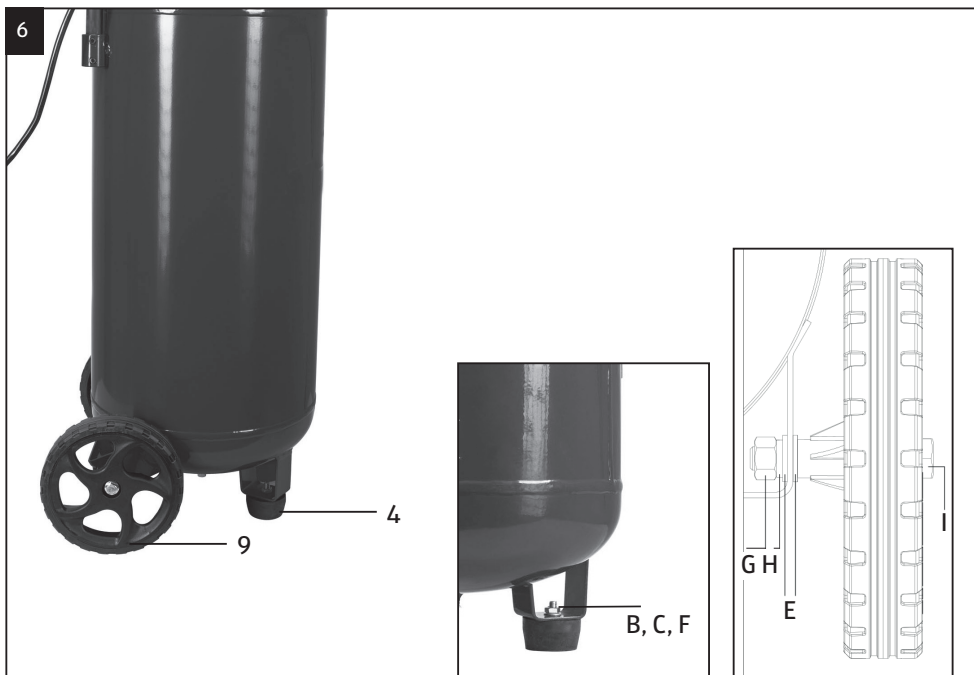
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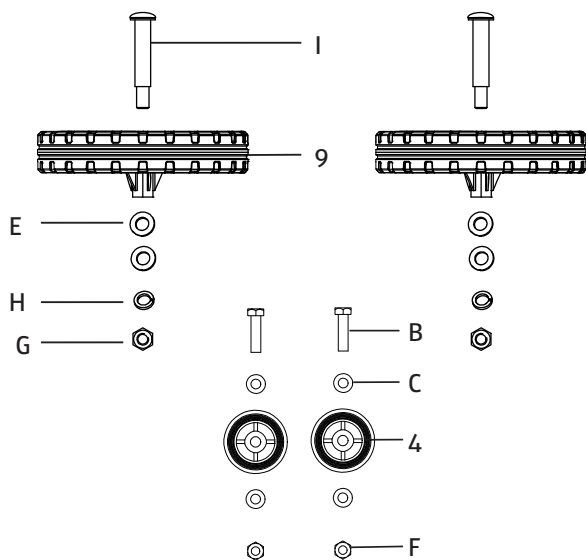
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6.1



Explanation of Symbols

The use of symbols in this manual is intended to draw your attention to possible risks. The safety symbols and the explanations that accompany them must be perfectly understood. The warnings in themselves do not remove the risks and cannot replace correct actions for preventing accidents.

	Read and follow the operating and safety instructions before you start working with this power tool.
	Wear ear-muffs. The impact of noise can cause damage to hearing.
	Beware of hot parts!
	Beware of electrical voltage!
	Warning! Automatic start-up.
	Complies with the Australian standards.
	Guaranteed sound power level.
	Warranty period.
	Warranty class.

Introduction

Congratulations on choosing to buy a FERREX® product.

All products brought to you by FERREX® are manufactured to the highest standards of performance and safety, and as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 5 Year Warranty.

We hope you will enjoy using your purchase for many years to come.

Note:

According to the applicable product liability law the manufacturer of this device is not liable for damages which arise on or in connection with this device in case of:

- improper handling,
- non-compliance with the instructions for use,
- repairs by third party, non-authorised skilled workers,
- installation and replacement of non-original spare parts,
- improper use.

Recommendations:

Read the entire text of the operating instructions prior to the assembly and operation of the device.

These operating instructions are intended to make it easier for you to get familiar with your device and utilise its intended possibilities of use.

The operating instructions contain important notes on how to work safely, properly and economically with your machine and how to avoid dangers, save repair costs, reduce downtime, and increase the reliability and working life of the machine.

In addition to the safety regulations contained herein, you must in any case comply with the applicable regulations of your country with respect to the operation of the machine.

Keep the operating instructions in a clear plastic folder to protect them from dirt and humidity; store them near the machine. The instructions should be read and carefully understood by each operator prior to using the machine. Only persons who have been trained in the use of the machine and are aware of the related dangers and risks should be allowed to use the machine. The local required minimum age must be met.

In addition to the safety notes contained in these operating instructions and any specific regulations in your country, the generally recognised technical rules for the operation of identically constructed machines must be observed.

Layout (Fig. 1, 2)

- | | |
|----|---|
| 1 | Drain plug for condensation water |
| 2 | Pressure vessel |
| 3 | Transport handle |
| 4 | Supporting foot |
| 5 | Quick-lock coupling (regulated compressed air) |
| 6 | Pressure gauge (for reading the preset vessel pressure) |
| 7 | Pressure regulator |
| 8 | ON/OFF switch |
| 9 | Wheels |
| 10 | Safety valve |
| | |
| A | Threaded pins, 4x |
| B | Hexagonal bolt, 2x |
| C | Washers for feet, 4x |
| D | Washers for bracket, 2x |
| E | Washers for wheels, 4x |
| F | Hexagonal nuts for feet, 2x |
| G | Hexagonal nuts for wheels, 2x |
| H | Spring washer, 2x |
| I | Flange screw, 2x |
| J | Philips screw, 2x |
| K | Bracket |

Scope of delivery

Air compressor	(1x)
Transport handle	(1x)
Supporting foot	(2x)
Wheel	(2x)
Threaded pin	(4x)
Hexagon bolt	(2x)
Washers for feet	(4x)
Washers for bracket	(2x)
Washers for wheels	(4x)
Hexagonal nuts for feet	(2x)
Hexagon nuts for wheels	(2x)
Spring washer	(2x)
Flange screw	(2x)
Philips screw	(2x)
Bracket	(1x)
Warranty card	(1x)
Instruction manual	(1x)

- Open the packaging and take out the equipment with care.
- Remove the packaging material.
- Check that all listed contents are present.
- Inspect the equipment and parts for any damage. Please contact the helpline if anything is missing.
- If possible, keep the packaging until the end of the guarantee period.
- Read the operating instructions fully to familiarise yourself with the tool prior to using it.
- Only use original accessories and spare parts. Spare parts are available by contacting the helpline.
- Specify the part numbers when you contact the helpline.

⚠ ATTENTION!

The device and packaging materials are not toys!

Children must not be allowed to play with plastic bags, film and small parts!

There is a risk of swallowing and suffocation!

Intended use

The compressor is designed to generate compressed air for compressed-air driven tools which can be driven up to the specified air volume (e.g. tire inflator, blow-out pistol and paint spray gun). Due to the limited air output it is not possible to use the compressor to drive tools with very high air consumption (for example orbital sanders, rod grinders and hammer screwdrivers).

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse.

The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this. Please note, this equipment has been designed for DIY use only and has not been designed for commercial, trade or industrial use.

Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equivalent purposes.

Safety regulations

⚠ Attention! The following basic safety measures must be observed when using electric tools for protection against electric shock, and the risk of injury and fire. Read all these notices before using the electric tool and keep the safety instructions for later reference.

Safe work

- 1 Keep the work area orderly
 - Disorder in the work area can lead to accidents.
- 2 Take environmental influences into account
 - Do not expose electric tools to rain.
 - Do not use electric tools in a damp or wet environment. There is a risk of electric shock!
 - Make sure that the work area is well-illuminated.
 - Do not use electric tools where there is a risk of fire or explosion.
- 3 Protect yourself from electric shock
 - Avoid physical contact with earthed parts (e.g. pipes, radiators, electric ranges, cooling units).

- 4 Keep children away**
 - Do not allow other persons to touch the equipment or cable, keep them away from your work area.
 - 5 Securely store unused electric tools**
 - Unused electric tools should be stored in a dry, elevated or closed location out of the reach of children.
 - 6 Do not overload your electric tool**
 - They work better and more safely in the specified output range.
 - 7 Wear suitable clothing**
 - Do not wear wide clothing or jewellery, which can become entangled in moving parts.
 - Rubber gloves and non-slip shoes are recommended when working outdoors.
 - Tie long hair back in a hair net.
 - 8 Do not use the cable for purposes for which it is not intended**
 - Do not use the cable to pull the plug out of the outlet. Protect the cable from heat, oil and sharp edges.
 - 9 Take care of your tools**
 - Keep your compressor clean in order to work well and safely.
 - Follow the maintenance instructions.
 - Check the connection cable of the electric tool regularly and have it replaced by a recognised specialist when damaged.
 - Check extension cables regularly and replace them when damaged.
 - 10 Pull the plug out of the outlet**
 - During non-use of the electric tool or prior to maintenance and when replacing tools such as saw blades, bits, milling heads.
 - 11 Avoid inadvertent starting**
 - Make sure that the switch is switched off when plugging the plug into an outlet.
Use extension cables for outdoors
 - Only use approved and appropriately identified extension cables for use outdoors.
 - Only use cable reels in the unrolled state.
 - 12 Remain attentive**
 - Pay attention to what you are doing. Remain sensible when working. Do not use the electric tool when you are distracted.
 - 13 Check the electric tool for potential damage**
 - Protective devices and other parts must be carefully inspected to en-
-

sure that they are fault-free and function as intended prior to continued use of the electric tool.

- Check whether the moving parts function faultlessly and do not jam or whether parts are damaged. All parts must be correctly mounted and all conditions must be fulfilled to ensure fault-free operation of the electric tool.
- Damaged protective devices and parts must be properly repaired or replaced by a recognised workshop, insofar as nothing different is specified in the operating manual.
- Damaged switches must be replaced at a customer service workshop.
- Do not use any faulty or damaged connection cables.
- Do not use any electric tool on which the switch cannot be switched on and off.

14 Have your electric tool repaired by a qualified electrician

- This electric tool conforms to the applicable safety regulations. Repairs may only be performed by an electrician using original spare parts. Otherwise accidents can occur.

15 Important!

- For your own safety you must only use the accessories and additional units listed in the operating instructions or recommended or specified by the manufacturer. The use of mounted tools or accessories other than those recommended in the operating instructions or catalog may place your personal safety at risk.

16 Noise

- Wear ear muffs when you use the compressor.

17 Replacing the power cable

- To prevent hazards, leave the replacement of damaged power cables strictly to the manufacturer or a qualified electrician.
- There is a risk of electric shock!

18 Inflating tires

- Directly after inflating tires, check the pressure with a suitable pressure gauge, for example at your filling station.

19 Roadworthy compressors for building site operations

- Make sure that all lines and fittings are suitable for the maximum permissible operating pressure of the compressor.

20 Place of installation

- Set up the compressor on an even surface.

Warning! This electric tool generates an electromagnetic field during oper-

ation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

ADDITIONAL SAFETY INSTRUCTIONS

Safety instructions for working with compressed air and blasting guns

- The compressor pump and lines can become very hot during operation. Touching these parts will burn you.
- The air which is sucked in by the compressor must be kept free of impurities that could cause fires or explosions in the compressor pump.
- When releasing the hose coupling, hold the hose coupling piece with your hand. This way, you can protect yourself against injury from the rebounding hose.
- Wear safety goggles when working with the blow-out pistol. Foreign bodies or blown off parts can easily cause injuries.
- Do not blow at people with the blow-out pistol and do not clean clothes while being worn. Risk of injury!

Safety information for paint spraying

- Do not process any paints or solvents with a flash point below 55° C. There is a risk of explosion!
- Do not heat up paints or solvents. There is a risk of explosion!
- If hazardous liquids are processed, wear protective filter units (face guards). Also, adhere to the safety information provided by the manufacturers of such liquids.
- The details and designations of the Ordinance on Hazardous Substances, which are displayed on the outer packaging of the processed material, must be observed.
- Additional protective measures are to be undertaken if necessary, particularly the wearing of suitable clothing and masks.
- Do not smoke during the spraying process and/or in the work area. There is a risk of explosion! Paint vapors are easily combustible.
- Never set up or operate the equipment in the vicinity of a fire place, open lights or sparking machines.
- Do not store or eat food and drink in the work area. Paint vapors are harmful to your health.

- The work area must exceed 30 m³ and sufficient ventilation must be ensured during spraying and drying. Do not spray against the wind. Always adhere to the regulations of the local police authority when spraying combustible or hazardous materials.
- Do not process media such as white spirit, butyl alcohol and methylene chloride with the PVC pressure hose. These media will destroy the pressure hose.

Operating pressure vessels

- You must keep your pressure vessel in good working order, operate the vessel correctly, monitor the vessel, carry out necessary maintenance and repair work immediately and meet the relevant safety precautions.
- The supervisory authority may enforce essential control measures in individual cases.
- A pressure vessel is not allowed to be used if it has faults or deficiencies that can endanger workers or third parties.
- Check the pressure vessel for signs of rust and damage each time before using. Do not use the compressor with a damaged or rusty pressure vessel. If you discover any damage, then please contact the customer service workshop.

Do not loose these safety instructions.

Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

- Check the equipment for damage which may have occurred in transit. Report any damage immediately to the transport company which was used to deliver the compressor.
- Install the compressor near the point of consumption.
- Avoid long air lines and supply lines (extension cables).
- Make sure that the intake air is dry and dustfree.
- Do not install the compressor in a damp or wet room.
- The compressor may only be used in suitable rooms (with good ventilation and an ambient temperature from +5 °C to 40 °C). There must be no dust, acids, vapors, explosive gases or inflammable gases in the room.
- The compressor is designed to be used in dry rooms. It is prohibited to use the

compressor in areas where work is conducted with sprayed water.

Attachment and operation

⚠ Important!

You must fully assemble the appliance before using it for the first time!

You require the following for assembly:

1x Allen key, 4 mm, Phillips screwdriver, open-end wrench (not included in the scope of delivery)

Fitting the transport handle (Fig. 4 / 4.1 / 4.2)

- Insert the transport handle (3) in the brackets on the pressure vessel (2) and secure it with the help of the 4 threaded pins (A). Tighten the threaded pins (A) with an Allen key (4 mm).

Fitting the bracket (Fig. 5 / 5.1 / 5.2)

- Screw the bracket (K) with Philips screws (J) and washers (D) into the threaded holes as shown in Fig. 5, 5.1 and 5.2. Use a Phillips screwdriver for this.

Fitting the feet (Fig. 6 / 6.1)

- Fit the supporting feet (4) with the hexagonal bolts (B), washers (C) and hexagonal nuts (F) as shown in Fig. 6 and 6.1.

Fitting the wheels (Fig. 6 / 6.1)

Fit the supporting wheels (9) with the flange screws (I), washers (E), spring washers (H) and hexagonal nuts (G), as shown in Fig. 6 and 6.1. Tighten the nuts using an open-end wrench (Size 13 mm / not included) and a screwdriver (not included).

Mains connection

- The compressor is equipped with a mains cable with shock-proof plug. This can be connected to any 230V ~ 50 Hz shock-proof socket which is protected by a 16 A fuse.
- Before you use the machine, make sure that the mains voltage is the same as the operating voltage (see the rating plate).
- Long supply cables, extensions, cable reels etc. cause a drop in voltage and can impede motor start-up.
- At low temperatures below +5 °C, sluggishness may make starting difficult or impossible.

ON/OFF switch (fig. 2)

- To switch on the compressor, press the ON/OFF switch (8) on position I.
- To switch off the compressor, press the ON/OFF switch (8) on position 0.

Setting the pressure (fig. 2)

- You can adjust the pressure on the pressure gauge (6) using the pressure regulator (7).
- The set pressure can be taken from the quick-lock coupling (5) (5.1 isn't adjustable).

Setting the pressure switch

- The pressure switch is set at the factory.
Cut-in pressure approx. 8 bar.
Cut-out pressure approx. 10 bar.

Technical Data

Mains connection	230 V ~ 50Hz
Motor rating W	1500
Operating mode	S3 25%
Compressor speed	3300 min ⁻¹
Pressure vessel capacity (in liters)	50
Operating pressure	approx. 10 bar
Theoretical intake capacity (l/min)	approx. 220
Sound power level L _{WA}	95 dB(A)
Uncertainty K _{WA}	1.93 dB
Sound pressure level L _{pA}	75 dB(A)
Uncertainty K _{pA}	1.93 dB
Protection type	IP20
Weight of the unit in kg	22.5
Compressor dimensions mm	380x370x1010
Max. altitude (above mean sea level)	1010 m

The noise emission values were measured in accordance with EN ISO 2151:2008.

Wear hearing protection.

The effects of noise can cause a loss of hearing.

Electrical connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions.

The customer's mains connection as well as the extension cable used must also comply with these regulations.

Damaged electrical connection cable

The insulation on electrical connection cables is often damaged.

This may have the following causes:

- Passage points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Make sure that the connection cable does not hang on the power network during the inspection.

Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables with the marking „H05VV-F“.

The printing of the type designation on the connection cable is mandatory.

AC motor

- The mains voltage must be 230 V~
- Extension cables up to 25 m long must have a cross-section of 1.5 mm².

Connections and repairs of electrical equipment may only be carried out by an electrician.

Please provide the following information in the event of any enquiries:

- Type of current for the motor
- Machine data - type plate
- Machine data - type plate

Cleaning, maintenance, storage and transport

⚠ Important!

Pull out the power plug before doing any cleaning and maintenance work on the equipment. Risk of injury from electric shock!

⚠ Important!

Wait until the equipment has cooled down completely! Risk of burns!

⚠ Important!

Always depressurize the equipment before carrying out any cleaning and maintenance work! Risk of injury!

Cleaning

- Keep the equipment free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it down with compressed air at low pressure.
- We recommend that you clean the equipment immediately after you use it.
- Clean the equipment regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the equipment. Ensure that no water can get into the interior of the equipment.
- You must disconnect the hose and any spraying tools from the compressor before cleaning. Do not clean the compressor with water, solvents or the like.

Maintenance work on the pressure vessel (fig. 1, 3)

⚠ Important! To ensure a long service life of the pressure vessel (2), drain off the condensed water by opening the drain valve (1) each time after using. Release the vessel pressure first. Open the drain screw by turning anti-clockwise (looking at the screw from the bottom of the compressor) so that all the condensed water can run out of the pressure vessel. Then close the drain screw again (turn it clockwise). Check the pressure vessel for signs of rust and damage each time before using. Do not use the compressor with a damaged or rusty pressure vessel. If you discover any damage, then please contact the customer service workshop.

Storage

⚠ Important!

Pull out the mains plug and ventilate the equipment and all connected pneumatic tools. Switch off the compressor and make sure that it is secured in such a way that it cannot be started up again by any unauthorized person.

⚠ Important!

Store the compressor only in a dry location which is not accessible to unauthorized persons. Always store upright, never tilted!

Releasing excess pressure

Release the excess pressure by switching off the compressor and using the compressed air which is still left in the pressure vessel, e.g. with a compressed air tool running in idle mode or with a blow-out pistol.

Safety valve (fig. 3)

The safety valve (10) has been set for the highest permitted pressure of the pressure vessel. It is not permitted to adjust the safety valve or remove the connection lock between the exhaust nut and its cap. Actuate the safety valve every 30 operating hours but at least 3 times a year, to ensure that it works when required. Turn the exhaust nut anticlockwise and pull the valve rod outwards over the exhaust nut to open the safety valve outlet. Now, the valve audibly releases air. Then, tighten the exhaust nut clockwise again.

Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

Important! The carbon brushes should not be replaced by anyone but a qualified electrician.

Transport (fig. 1)

⚠ Important!

Pull out the power plug before transport. Risk of injury from electric shock!

The compressor can be transported by tilting to the wheels.

Ordering replacement parts

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine

Service information

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Wear parts*: Belt, clutch

* Not necessarily included in the scope of delivery!

Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

Troubleshooting

Fault	Possible cause	Remedy
The compressor does not start.	No supply voltage.	Check the supply voltage, the power plug and the socket-outlet.
	Insufficient supply voltage.	Make sure that the extension cable is not too long. Use an extension cable with large enough wires.
	Outside temperature is too low.	Never operate with an outside temperature of below +5° C.
	Motor is overheated.	Allow the motor to cool down. If necessary, remedy the cause of the overheating.
The compressor starts but there is no pressure.	The non-return valve leaks.	Have a service center replace the non-return valve.
	The seals are damaged.	Check the seals and have any damaged seals replaced by a service center.
	The drain plug for condensation water (1) leaks.	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.	The hose connections have a leak.	Check the compressed air hose and tools and replace if necessary.
	A quick-lock coupling has a leak.	Check the quick-lock coupling and replace if necessary.
	Insufficient pressure set on the pressure regulator (7).	Increase the set pressure with the pressure regulator.



FERREX[®]

AIR COMPRESSOR

Warranty Details

REGISTER YOUR PURCHASE AT www.aldi.com.au/en/about-aldi/product-registration/ TO KEEP UP-TO-DATE WITH IMPORTANT PRODUCT INFORMATION

The product is guaranteed to be free from defects in workmanship and parts for a period of 60 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost.

We recommend you save this data elsewhere prior to sending the product for repair.

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.

Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on 1300 855 831 or write to us at:

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support@schepach.com.au