

Instruction Manual

Air Compressor

61018



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.



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To return your goods for exchange, repair, or other purposes, please use the following address. Attention! To allow for a trouble-free complaint or return, it is important to contact our customer service team before returning your goods.

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Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it. Keep these operation instructions in a safe place.

Operating and safety instructions

- Before starting the compressor, carefully read the operating instructions.
- The compressor should be installed in a dry and ventilated room. Keep the machine away from flammable objects and chemicals.
- The downtime should not exceed two years. If the compressor is not going to be used for a longer period, it is recommended to run it for about 15 min every 4 weeks.
- Before starting the compressor, the necessary maintenance and checks must be carried out.
- Falls and shocks must be avoided. The compressor must be set up on a stable, level surface. It must not be inclined during transport or operation.
- Make sure that all open connections are closed with protective caps during transport to prevent dirt and water from entering.
- To ensure good compressor performance, the compressor should be located in a ventilated, clean, and cool area. Avoid dusty or polluted air and high temperatures in the vicinity.
- Make sure that the compressor is switched off before connecting it to the mains. After connecting to the power supply, you can put it into operation.
- The voltage must not exceed or fall below the nominal voltage by more than 10 %.
- The air compressor must not get wet. To avoid damage, it must not be placed in a wet area.
- Do not touch high temperature components such as the cylinder head, exhaust pipe, and check valve to avoid possible burns.
- The electrical cable must meet the power requirement. The cable must not be too long. Otherwise, it will affect the starting process and the performance of the air compressor.
- Do not store the compressor outdoors and protect it from direct sunlight.
- Make sure that all open connections are closed with protective caps during transport in order to prevent dirt and water from entering.

 **Warning!** Disconnect the power supply and drain the system before installing, transporting, or performing maintenance! Follow all local electrical and safety regulations.

 **Caution!** Never use an extension cord on this product. Use an additional air hose instead of an extension cord to avoid power outages and permanent engine damage. The use of an extension cable voids the warranty.

Main technical specifications

Power (W)	2 × 750
Voltage (V)	230
Frequency (Hz)	50
Nominal rotation speed (rpm)	1415
Displacement ($\frac{1}{2}$ min)	2 × 110
Max. operational pressure (bar)	8 (115 psi)
Capacity (ℓ)	50
Net weight (kg)	33



Operation

- Start the compressor by setting the switch to “On.” If the compressor does not start, release the air from the tank until the pressure has dropped to 4 bar (0.4 MPa). Then the compressor starts. To switch the compressor off, turn the switch to “Off” and interrupt the power supply so that the compressor stops.
- A safety valve is built into the switchgear. If the pressure in the pressure vessel exceeds 8 bar (0.8 MPa), the safety valve warns and releases the air. At the alarm sounding, check the pressure switch. Make sure that the pressure switch is operating below the nominal operating pressure.
- When using the oil-water separator: After switching off the compressor, please press the needle beneath the oil-water separator with your finger to drain the dirty water in the separator.
- The air pressure can be adjusted using the button on the oil-water separator. Turn the knob clockwise to increase air pressure, turn it counter-clockwise to decrease air pressure until the air source is shut off.
- **Note:** If you turn the knob all the way, do not force it any further. If you do so, it could be damaged.
- If you want to set the operating pressure of the pressure switch, please remove the cover and set the rotary screw inside. Turn clockwise to increase the air pressure and turn counter-clockwise to decrease it.
- **Note:** Always pull the plug and disconnect the compressor from the power source before carrying out any adjustments or repairs/maintenance.

Repair and maintaining

Caution! Maintenance work may only be carried out after the power supply has been switched off and the tank has been completely vented. Failure to comply can lead to serious injuries!

- Always keep the machine clean and clean it regularly.
- Drain contaminated water from the tank at least once a week. When emptying the water from the tank, make sure that the pressure in the tank is below 0.1 MPa.
- Check regularly whether the safety valve is sensitive or not. The safety valve must be able to release the air easily. Pull the bar down to reset it.
- The air filter should be cleaned or replaced every 500 hours. At the same time, take out the air valve and clean it. If the air flow rate is significantly less than the rated output, check if the air filter is clogged. Also check that all connections are still tight. If the piston rubber cup is worn out by dust, replace it.
- The compressor tank must be checked every two years. Regularly check the parts of the tool parts. If there are rusted areas on the tank or if the tank does not pass the pressure test, the tank must be scrapped.

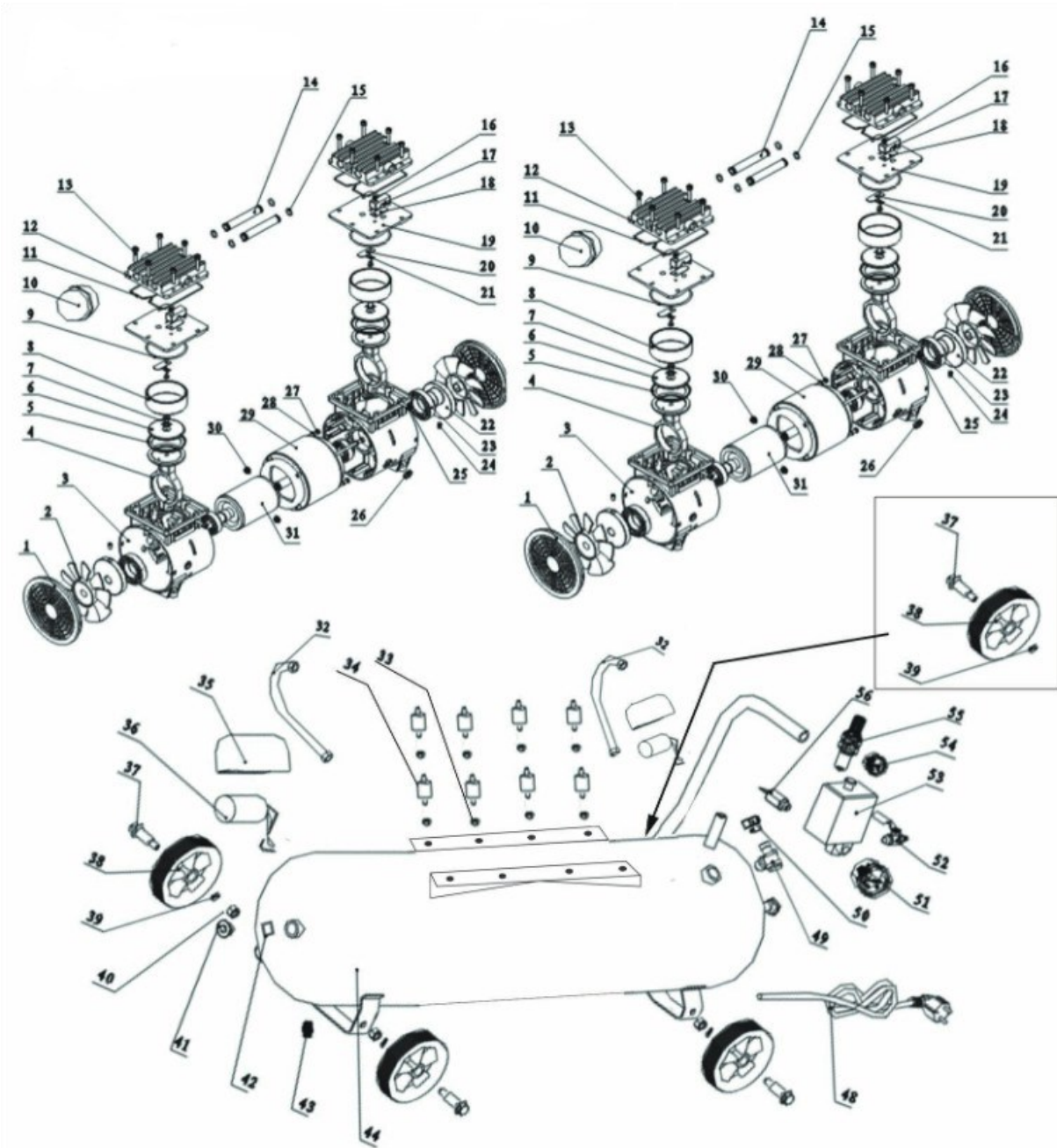


Troubleshooting

Caution! All maintenance work may only be carried out when the compressor has been disconnected from the power supply and the air in the tank has been released.

Problem	Possible cause	Solutions
The motor neither turns nor hums.	Power supply disconnected	Check connection switch.
	Pressure switch not connected	Check pressure switch.
	Blown fuse	Replace fuse.
	Overload protection in protection mode	Restart engine after it has cooled down.
	Damaged pressure switch	Contact expert.
	Motor stator burned out	Replace stator.
Current flow to be heard, but compressor does not run or runs slowly	Voltage too low.	Check voltage, it must not be more than 10 % below nominal voltage.
	Short circuit in the motor winding	Contact expert.
	Failure of check valve or pressure switch	Contact expert.
Overload protection often interrupts power supply	Voltage too low.	Check voltage, it must not be more than 10 % below nominal voltage.
	Poor air circulation or excessive temperatures	Carry compressor to well-ventilated area.
Air pressure reduced when machine is switched off	Loose or leaking air line	Check and repair.
	Water drain valve open	Tighten drain valve.
	Check non-return valve for leaks	Remove and clean, replace if necessary.
A lot of water in the compressed air	A lot of water in the tank	Drain water in tank.
	Humidity too high	Carry compressor to cooler spot or use oil-water separator.
Compressor cannot be stopped	Damaged pressure switch	Replace pressure switch.
	Foot pad damaged or missing	Check and repair.
Compressor vibration	Loose parts on compressor	Check and repair.
	Foot pad damaged or missing	Replace foot pad.
Pressure does not reach nominal pressure or cannot be increased	Water drain valve open	Close drain valve
	Air filter blocked	Clean or replace air filter.
	Air leak	Check and repair.
	Valve flap fault or leak	Clean or replace.
	Wear and tear on the piston rubber cup	Replace piston rubber cup.

Exploded view





Parts list

№	Name	Qty.	№	Name	Qty.
1	Wind cover	2	29	Stator	1
2	Left fan	2	30	Holding screws	4
3	Left housing	1	31	Rotor	1
4	Connection rod	2	32	High pressure soft tube	1
5	Piston leather cup	2	33	Holding screws M6	4
6	Pressure plate	2	34	Shock-relief gasket	4
7	Hexagon socket head cap screws M6×20	2	35	Metal capacitor	1
8	Cylinder	2	36	Capacitor	1
9	Cylinder sealing circle	2	37	Wheel axle	2
10	Silencer	1	38	Wheel	2
11	Cylinder head sealing circle	2	39	Flat gasket	2
12	Cylinder head	2	40	Wheel axle holding screws	2
13	Hexagon socked head cap screws M5×50	12	41	Observation hole	21
14	Connection tube	2	42	O-ring for observation hole	2
15	Connection pipe sealing circle	2	43	Drain valve	1
16	Pan head screws with cross recess M4×6	2	44	Air tank	1
17	Limiting stopper	2	45		
18	Air outlet valve clack	2	46		
19	Valve plate	2	47		
20	Air intake valve clack	2	48	Power cable	1
21	Metal gasket	2	49	Check valve	1
22	Crankshaft	2	50	Solenoid valve	1
23	Bearing 6006–2Z	2	51	Y50 pressure gauge	1
24	Hexagon socket crews (flat point) M8×10	2	52	Ball valve	1
25	Right housing	1	53	Pressure switch	1
26	Lap hoop	1	54	Y40 pressure gauge	1
27	Hexagon socket head cap screws M5×150	4	55	Adjustable oil-water separator	1
28	Flat gasket	4	56	Safety valve	1

Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WilTec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic devices (intended for use in the countries of the European Union and other European countries with a separate waste collection system for these devices).

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

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