



T-Mech Air Compressor



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Specification

Product Description

The range of air compressors from T-MECH allow you to tackle projects quickly and easily. Able to operate loads of air tools such as spray guns, nail guns, air brushes and tyre inflators; each compressor has a wide range of uses.

We stock this ultimate DIY appliance in a range of sizes:

24L 2.5HP Air Compressor
50L 2.5HP Air Compressor
50L 3HP V-Twin Air Compressor

Item Contents

Main air compressor tank
Wheels with nuts and bolts
4 attachments - long spray gun, inflation gun, blowing gun, air brush gun
Coiled hose

Air filter
Bottle of oil lubricant

Technical Information

24L 2.5HP Air Compressor

Power: 1.5kW Motor: 2.5HP Current: 7.5A Voltage: 230V/50Hz
Sound: 97dB Discharge pressure: 116 PSI / 8 bar Speed: 2850rpm
Air displacement: 9.5CFM

50L 2.5HP Air Compressor

Power: 1.5kW Motor: 2.5HP Current: 7.5A Voltage: 230V/50Hz
Sound: 97dB Discharge pressure: 116 PSI / 8 bar Speed: 2850rpm
Air displacement: 9.5CFM

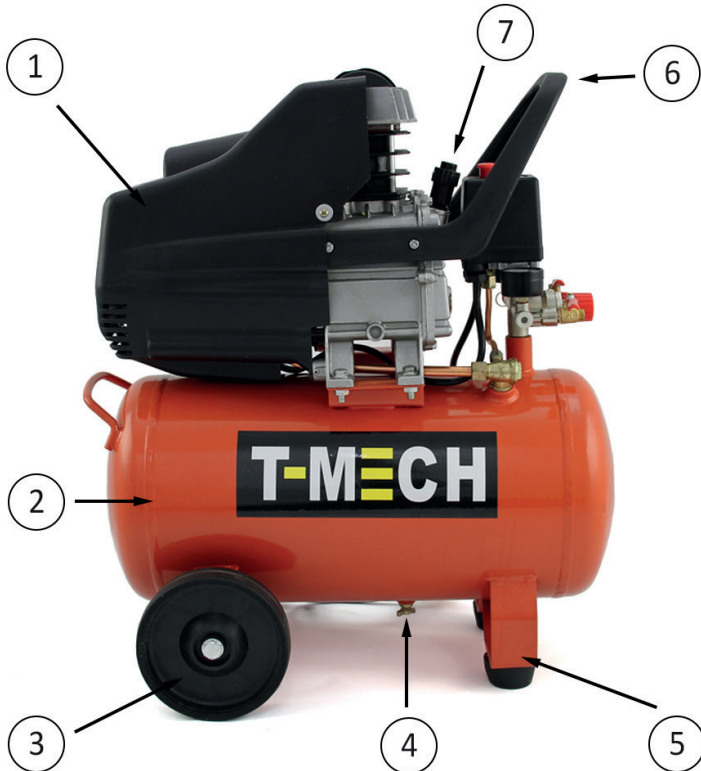
50L 3HP V-Twin Air Compressor

Power: 2.2kW Motor: 3HP Current: 10A Voltage: 230V/50Hz
Sound: 97dB Discharge pressure: 116 PSI / 8 bar Speed: 2850rpm
Air displacement: 14.5CFM

Specification

Product Features

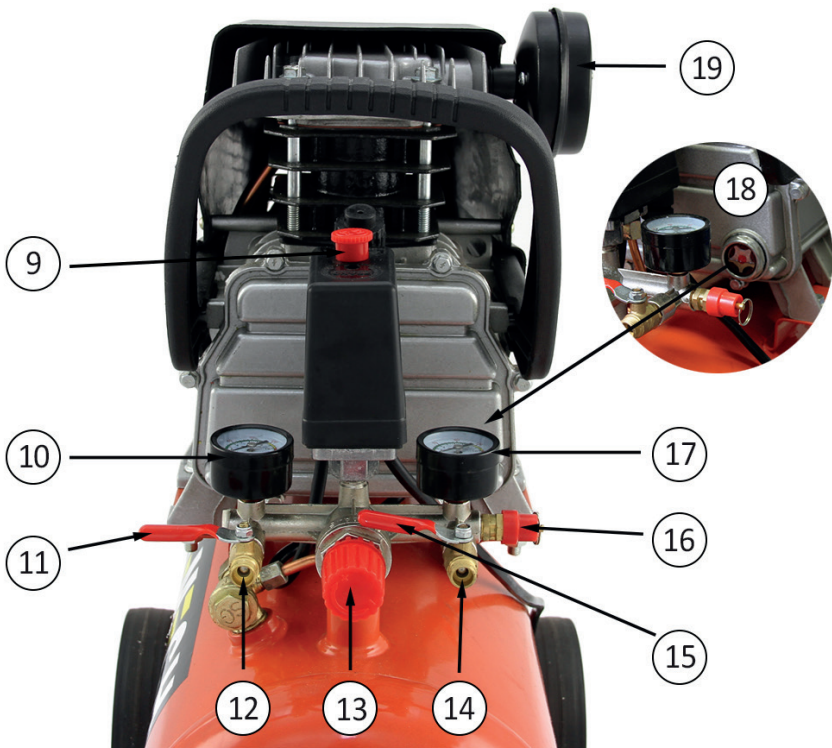
- 1) Motor
- 2) Compressor Tank
- 3) Wheels
- 4) Drain Plug
- 5) Feet
- 6) Handle
- 7) Oil Breather
- 8) Piston Gasket



Specification

Product Features

- 9) ON/OFF Switch
- 10) Regulated Pressure Dial
- 11) Regulated Pressure Tap
- 12) Regulated Shut Off Valve
- 13) Pressure Regulator
- 14) Direct Shut Off Valve
- 15) Direct Pressure Tap
- 16) Safety Pressure Relief Valve
- 17) Direct Pressure Dial
- 18) Oil Indicator
- 19) Air Filter



User Guide

Introduction

This is a direct drive compressor - where the motor is connected directly to the compressor head and the compressor head is piston driven. The crank case is filled with oil (SAE30) for lubrication, oil levels must be monitored to avoid overheating and/or possible failure.

The compressor is fitted with an ON/OFF safety pressure switch, pull the red button up to start the operation and push down to stop when you have finished using the compressor.

It will automatically stop when the pressure gauge reaches approximately 100 PSI, if it doesn't stop at 110 PSI then press the ON/OFF switch immediately and contact our Support team via the details on the Contact page.

Once the compressor has stopped building pressure it is ready to use. Turn the pressure regulator anti-clockwise to decrease the pressure and clockwise to increase the pressure again. Attachments can then be fitted for air dusting, operating air tools and tyre inflation - be sure to check pneumatic tool pressure requirements prior to use.

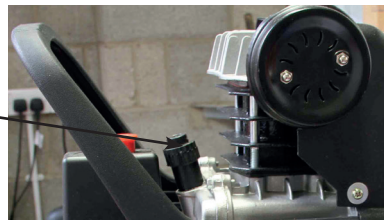
The compressor will then automatically start again when the pressure drops below 70 PSI.

Before you use the compressor:

Check the oil levels, if necessary unscrew the oil breather and fill with oil until the oil indicator sits above the red dot. Do not overfill or allow it to drop below the red dot. Place the compressor on a solid, horizontal surface.

Remove the oil cap and screw on the black oil breather. The standard oil cap is only to be used for transporting the compressor.

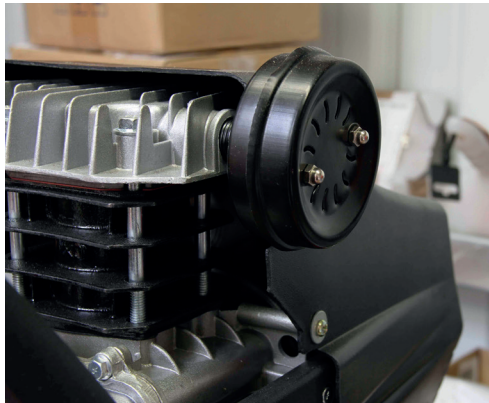
Oil breather



User Guide

Assembly

Air filter - screw the air filter onto the compressor head.



Wheels - fit the wheels with the bolts and nuts



User Guide

Maintenance

1) Check the oil levels before using the compressor - top up the oil if levels reach below the red dot on the indicator. Oil levels must be maintained to avoid overheating and/or failure of the compressor.

Do not overfill the oil, the maximum level should be around the top of the red dot.

Unscrew the oil breather and pour in the required oil, use SAE 30 or L-DAB 100 in areas where the temperature is above 10°C and use SAE 10 or L-DAB 68 when the temperature is lower than 10°C.

2) Open the drain plug located underneath the machine to release any moisture that may build up inside the main tank - this can simply be unscrewed. Allow the machine time to cool after each use before opening the drain plug.

3) Clean the air filter to remove any debris, simply unscrew it from the main compressor and remove the two pins. Then clean the foam filter in warm water. Allow to dry then replace and screw back onto the compressor.

4) Whilst wiping down the valves and tap, check the safety valve and pressure gauges are in good working order.

Monster Guarantee

If you wish to return a product in perfect working order, we provide a 14 day returns policy as long as the item is unopened and in a resalable condition. A 12 month warranty applies to all of our electrical products, we will cover labour, parts and delivery charges. Our policy is to try and fix the item before arranging an exchange or refund. For full terms and conditions contact our Support department via the details on the Contact page.

Troubleshooting

Resolution Guide

Please read through the guide below if you have any issues or faults with your device. The information covers and resolves the majority of frequently asked questions.

Q: Water droplets and/or mist is appearing in the air line.

A: Drain the tank of water by unscrewing the drain plug, located directly underneath the tank. This should be done regularly to avoid water building up inside the compressor. Try using an in line water filter attachment to prevent any water droplets or mist getting into your tools. Water is also more likely to build up if you use the compressor in a warm environment, so keep the working space ventilated when using the compressor.

Q: The compressor does not start up when switched on.

A: Check that the power supply to the compressor is working correctly, try plugging the mains cable into a different plug socket. The fuse may have blown inside the plug, change the fuse if necessary. If the compressor still fails to start up even when pulling the ON/OFF switch into the ON position, contact our Support team via the details on the Contact page as there may be a faulty switch or a pressure block.

Q: The compressor does not stop reaching pressure at 110 PSI.

A: Turn off the compressor immediately as operating higher than the capacity can damage the machine. The pressure switch may have malfunctioned - contact our Support team via the details on the Contact page.

Q: The motor is getting very hot.

A: Make sure to keep the working area ventilated at all times. Ensure there isn't a blockage at the rear of the motor and check the pressure isn't above 110 PSI. Check the tools and attachments are the correct air pressure for this compressor and do not use the compressor for long periods of time.

Q: The compressor is working at a very low speed.

A: If you are using an extension cable to run the compressor, reduce the length of the cable as you can lose voltage over a longer distance causing the compressor to run at a slower speed. It is also best to ensure there are no blockages at the rear of the motor, remove any obstructions as this can also slow the machine.

Troubleshooting

Resolution Guide

Q: There is a jam or block in the compressor.

A: The motor may have seized because there's not enough oil in the compressor, this can happen after a lack of oil for a long period of time. Contact our Support department via the details on the Contact page to arrange a repair or buy a replacement.

Q: There is an exceptionally loud noise or vibration coming from the compressor housing.

A: Try topping up the oil if it looks low on the indicator, if the noise continues there may be loose/worn bearings in the piston or motor. Contact our Support department via the details on the Contact page to arrange a repair.

Q: The compressor doesn't reach pressure or continually reaches and drops from pressure.

A: Ensure the safety valve on the right hand side is plugged in correctly with no debris blocking it. Try cleaning the foam filter inside the air filter, this should be done regularly in warm water, take a look at the Maintenance section for a guide on how to do this.

It's also worth checking the required pressure for the tool you are using, our 24L and 50L compressors work at 9.5CFM whilst our V-Twin compressor works at a maximum of 14.5CFM. Also remember to top up the oil as the pistons inside the compressor will not function correctly without it. It's a rare problem but there could be a leak inside the piston housing gaskets, contact our Support team via the details on the Contact page to arrange a repair.

Q: The compressor consumes a lot of lubricating oil or you find oil in the air line.

A: If the oil level is too high drain some out by removing the indicator. Also try cleaning out the air filter using the instructions on the Maintenance page.

Safety Advice

Safe Working Practice

Please read through these safety tips to prevent injury to yourself or damage to the product.

Things to do:

The compressor must be used in a well ventilated environment with an ambient temperature between 5 and 40°C. Never in places affected by explosive or flammable gases, dust, acids and vapours.

Always keep a safe distance between the compressor and the work area.

Keep hands and other body parts free from the compressor head and pipes.

Check any accessory air requirements prior to use; do not operate any air tools or accessories over 5% or under 10% of their rated pressure.

Wear safety goggles to protect your eyes against debris lifted by the jet of air.

Pull the safety release ring to avoid blockage or damage of air supply.

Use the pressure regulator to control pressure do not use the safety release ring.

Always use the handle to move the compressor.

When operating, place the compressor on a stable and horizontal surface.

Turn off the compressor immediately if it sounds unusual, contact our Support team via the details on the Contact page.

Things you should know:

To avoid overheating of the electric motor, this compressor is designed for intermittent operation.

When fitting a tool or accessory the flow of air must be switched off.

The compressor and any tools or accessories should be regularly cleaned and maintained to ensure they continue to work correctly.

Safety Advice

Safe Working Practice

Things not to do:

Do not direct the jet of air towards persons, animals or your own body.

Never leave the compressor exposed to adverse weather conditions.

Do not operate the compressor in areas of high temperature or humidity.

Do not use the machine if the adaptor wire is frayed or damaged.

Do not use over 110 PSI, turn off the compressor and contact us immediately if the pressure gauge goes above 110 PSI.

Never clean the compressor with flammable liquids or solvents. Check that you have unplugged the compressor before wiping with a damp cloth.

Disconnect air tools and accessories from the air supply after operation. Do not leave anything connected to the compressor.

Never allow incompetent persons to use the compressor. Keep children and animals at a distance from the working area.

Do not disconnect the compressor at the power supply, use the ON/OFF switch on the pressure switch.

The safety valves working pressure is set by the manufacturer, do not tamper with the safety valve.

If you are having any problems with your air compressor take a look at our Troubleshooting Guide.

Contact Us

Sales Department

For information regarding this device or other products from our Monster divisions please use the following details below.

Tel: 01347 878888

Email: sales@monstergroupuk.co.uk

Support Department

For queries about this device, warranty, returns or reporting faults please use the following details below.

Tel: 01347 878887

Email: support@monstergroupuk.co.uk

Website

To view our product range and fantastic offers in the Monster Chef division please visit our website

www.monstershop.co.uk

Address

To visit our office Monster House and view our products, send postal correspondence or return items our address is provided below.

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Industrial Estate, Sheriff Hutton, York YO60 6PG



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