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DeWALT 950-C

DEWALT 950-C

Reciprocating Air Compressor
Dual Cylinder



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DEWALT
GUARANTEED TOUGH.

ABOUT

For almost 80 years, DEWALT has earned a reputation for designing, engineering and building tough industrial machinery.

In 1923, Raymond DEWALT invented the radial arm saw that for decades continued to set the standard for quality and durability.

It was the start of our long-lasting reputation among professional craftsmen: tough, powerful, precise, rugged and reliable.

These became the trademarks of the DEWALT name. The yellow/black color scheme is a trademark for DEWALT Power Tools and Accessories.

DeWALT TODAY

Today, these characteristics are incorporated through long experience and state-of-the-art engineering into every product of DEWALT's broad range of high performance 'portable' electric power tools and accessories.

The acceptance of these DEWALT products by professional tradesmen around the world has made DEWALT the number one selling brand of professional power tools in North America today, and the fastest growing professional power tool brand in the world for the last five years.

ENVIRONMENT

We are committed to striving for excellence in environment, health and safety management through process improvements, advanced manufacturing techniques and pollution control practices.

We expect our managers and employees to maintain our facilities at the highest standards, minimise waste generation, re-use and recycle materials and products where possible and comply with all applicable laws and regulations.

Information Taken from www.dewalt.com for branding purposes

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The DeWALT 950-C

We would like to introduce our first air compressor. As the fastet groing professional power tool brand in the world it was about time we delivered a compressor to match our tools.

Designed to the same level of precision engineering, robustness and reliability that our tradesmen from around the world have trusted for almost 80 years, this compressor delivers the best all round performance for a workshop environment, with the added options of three different tank sizes to best suit your needs.

The model seen here is the standard 950-C 400 litre tank option.



PERFORMANCE

The DeWALT 950-C produces 89.9 CFM of air. Its oil lubrication has been specifically designed to maintain smooth performance, reduce wear, extend the life and also help reduce the operating temperature which in turn improves the efficiency.

Designed for minimal maintenance, but when required the 950-C is simple to run and maintain due to its design. The oil level is easy to view and change, the valves are simple reed valves, engineered to last for longer then most but simple to change as are the filters and transmission.



DESIGN

Heavy-duty construction, splash lubrication, dual in line cylinders and a large 400 litre tank provides smooth, durable and consistent supply of air to suit all workshop environments. (With other options available).

A robust, reliable and quality compressor which has been engineered to DeWALT's normal high standard while at the same time considering the cost. Aimed at a competitive market this compressor delivers top performance at an extremely affordable price.

Standard Quality Features

- Fill time of less than 2 minutes from empty
- IP54 rated case to protect from dust and moisture providing extended life time
- Engineered crank shaft to provide balance and reduce vibration
- Low vibration resulting in quiet operation of less than 80dBA at 5 meters.
- Push Button Start / Stop functionality.
- Designed minimal and simple maintenance.

Protective Devices

- Fully enclosed by outer casing removes any chance of accidental interaction with moving parts.
- Additional protective cage around pulley system to provide added safety.
- Automatic cut off valves in case pressure exceeds maximum level

UKAS QUALITY MANAGEMENT

FEATURES

This compressor is aimed for the small workshop environment and is IP54 rated with added safety features for your own protection.

A fully sealed crank case prevents any dirt or moisture reaching the cylinders and potentially affecting the performance.



11 Kw Motor
3 phase high efficiency motor

Cooling Fin Design
For maximum heat dispacement and material reduction.

Twin Heavy Duty V Belt
Two Belts to ensure maximum power is transmitted to crank shaft

Flywheel Protection
Steel cage to ensure the flywheel is secured and safe from any hazard with IP2 rating

Fan Flywheel
Engineered fly wheel to draw air flow over the crank housing to improve cooling

Safety Relief Valves
Two release valves in case pressure increases to unsafe levels.

Rubber Feet
Five point base structure for stablility and rubber dampers to reduce vibration and noise and improve grip

Release Valve
Easy moisture release valve to bleed unwanted water from system.

Balanced Design
Low Centre of Gravity and balanced design to improve stability

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FEATURES

The views on this page have had the outer casing removed to allow visibility of the internal parts.

The design is well balanced, keeping a low centre of gravity to improve stability and reduce vibration which also helps to reduce the noise level.



Non Return Valves
Provides safe air flow one way and ensures efficiency

Three Part Cylinder Case
Cost effective cylinder design for easy maintenance and assembly

Oil Level Indicator
Simple visual aid to view oil level

Oil Drainage
Designed to allow easy access to drain and change the oil lubrication.

Tank Design
Reinforced steel tank providing safe operation and conforms to EC regulations

Air Filters
IP54 rated air filter, design for easy maintenence when required

Pressure Switch
Provides automatic start and stop for when pressure falls below operating pressure

Pressure Regulator
Easily controlled pressure for tools and adaption to suit purpose

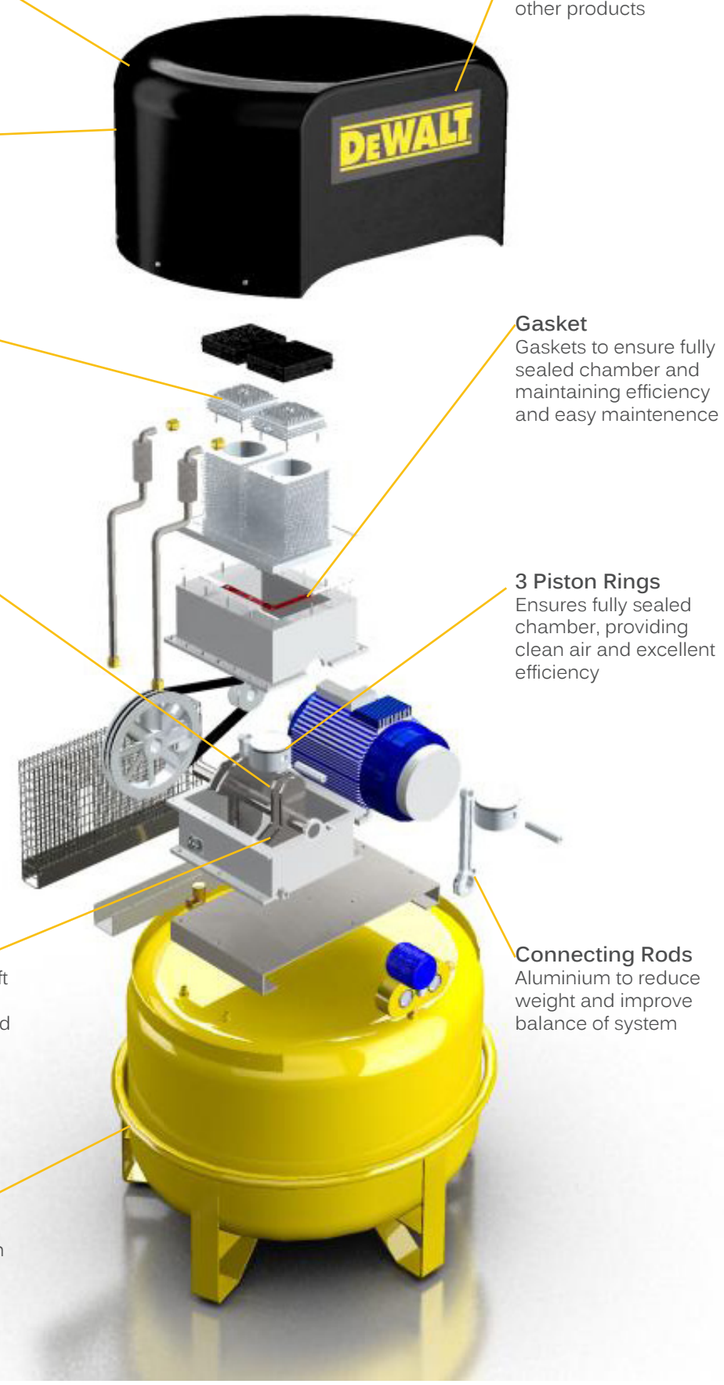
Journal Bearings
Engineered journal bearings to improve efficiency and performance while considering affordability

400 Litre Tank
Provides a fast fill time of less than 2 minutes but still providing smooth performance

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EXLPLODED VIEW



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SPECIFICATION

This specification should detail all the information you require. For assistance in chosing the right compressor please go to our guide in the back of this brochure.

Model	950-C
Power	11 kw
Bore	159.1 mm
Stroke	106.1 mm
No. of Cylinders	2
Crank Speed	958 rpm
Transmission Type	Twin Heavy Duty VBelt
Transmission Ratio	1 : 3
Air Flow Rate	89.9 cfm
Pressure	7.2 x 10^5 Pa
Tank Fill Time	Less then 2 minutes
Supply Source	3 Phase - 400 v
Motor Speed	2875 rpm
Motor Efficiency	89 %
Shipping Weight	Approximately 200kg
Height	1420 mm
Width	1000 mm
Depth	1000 mm
Lubrication	OILDN1 See Over the Page
Materials	Aluminium, Cast Iron, PTFE

This specification is for the 400 litre tank option. This is the recommended size for most work-shop environments.

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PART DETAILS

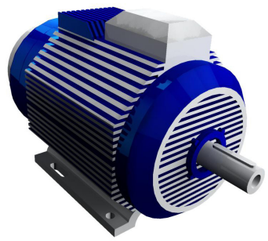
All Dewalt's products are designed, engineered and built to last with great attention to detail while still considering the affordability. These are just some of the components in the 950-C.



The piston and connecting rod, with 3 piston rings to ensure a fully sealed, efficient design.



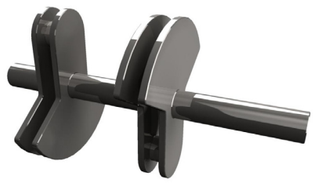
Highly polished cylinder head to ensure reduced wear and improved efficiency where it matters.



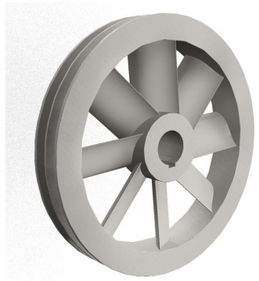
11kw High efficiency motor to deliver reliable performance and power.



The pulley safety cage is one of many sagety features found on the 950-C. IP20 rating for your safety.



The crank shaft has been designed for maximum performance and balance to reduce vibration and noise.



The belt and pully transmission is designed to transmit power and cool the system at the same time.

ADDITIONAL ITEMS

This style of compressor comes in three options. The options relate to the size of the tank which can be specified upon ordering, of if you wish to extend your supply, it has been design so that this can be done in your own workshop environment.



DeWALT 950-B
Small Tank - fastest fill rate, light weight and compact. Ideal for one or two people.

950 mm diameter
400 mm height
Volume - 260 litre
Fill Rate - Approx 1 Minute



DeWALT 950-C
Medium (Standard Tank), Fill rate less than 2 minutes, the perfect balance between size, weight and performance.
950 mm diameter
600 mm height
Volume - 400 lite
Fill Rate - Approx 1.5 minutes



DeWALT 950-D
Large Tank.
Maximum performance with slightly longer fill time.

950 mm diameter
800 mm height
Volume - 520 litre
Fill Rate - Approx 2 minutes



Heavy Duty Rubber Mounting Blocks - MX9240

- Ideal for reducing vibration
- Helps reduce noise level
- Easy to fit and replace

£5.60 ex VAT



Piston Compressor Oil 1 litre.

- OILDN1
- High Temperature perfect for the use
- Improves efficiency and performance

£6.04 - 1 litre ex VAT



Air Filter

- High Air Flow Filter
- Washabe
- Reusable
- High Performance

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SELECTING THE RIGHT COMPRESSOR

Displacement

This term describes the useful volume of the cylinders. This means that it is the SWEPT volume (the distance travelled by the piston), multiplied by the number of cylinders and then multiplied by the number of cycles performed in a minute. Measured in cubic feet per minute (CFM)

The DeWALT 950-C has an air flow rate of 2 m^3/min

Free Air Delivery (FAD)

Most compressed air tools are measured by their FAD. If you take 66% of the displacement figure as the FAD, this will give you a good idea for the comressor you require for that tool. It actually relates to the volume of air that is avalable for use.

The 950-C has been designed to comfortably run upto 5 air tools at a rating of 15 cfm.

Pressure

This describes the force that is expressed, so basically it relates to the power supplied by the pressurised air. Measured in either pounds per square inch (psi) or Bar.

The DeWALT 950-C runs at 6.2 Bar or 90 psi.

Electrical Supply

This can be either single phase or three phase. Single phase is more common for lighter applications where three phase is recognised as the industry standard and has the benefits of stable supply and longer motor life.

The DeWALT 950-C runs on 3 phase (415 Volts) supply

This DeWALT air compressor has been designed specifically for a work-shop environment that has several employees or situations of a similar re-quirement. If you have any further queries please visit our website where you will find more information.

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G2 Design are a small Design and Engineering Company who specialise in the complete design process from concept through to manufacture.

Our aim is to constantly exceed our customer's expectaions in performance and committent.

Being part of designing DeWALT's first reciprocating air compressor was an opportunity that we have very much enjoyed and can gaurantee that rigorous testing has been carried out on all parts to ensure DeWALT's qaulity is maintained.

G2 Design is an ISO 9001 reguated company.

CERTIFICATION INTERNATIONAL
ISO 9001:2000
Cert No CI/8205
UKAS QUALITY MANAGEMENT
063

To register your product please visit:

http://www.dewalt.com/Product-Registration.aspx

GUARANTEED TOUGH.
3 YEAR LIMITED WARRANTY
1 YEAR FREE SERVICE
90 DAY MONEY BACK GUARANTEE

Three-Year Limited Warranty. DEWALT will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase. This warranty does not cover part failure due to normal wear or tool abuse. For further detail of warranty coverage and warranty repair information, visit www.dewalt.com or call 1-800-4-DEWALT (1-800-433-9258). This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

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