KAESER COMPRESSORS®

# The DIFFERENT Trades Compressors

**i.Comp 3 series**
Flow rate up to 160 l/min
Pressure up to 11 bar

**OILFREE.AIR**

**www.kaeser.com**

i.Comp 3 series

# The DIFFERENCE: so much more than the sum of its parts

With its new drive concept, the i.Comp 3 delivers the exact volume of compressed air required to perform the work at hand. Another big advantage of this system is that it eliminates the need for an air receiver. This keeps the i.Comp 3 lightweight and compact, making it an ideal choice for construction sites. Meticulous construction using the very best materials ensures a long, efficient and reliable service life.

Through KAESER's industry expertise (high-quality components, exceptional durability, high availability, 100% Made in Germany), the i.Comp 3 is a commercial grade trades compressor – a true KAESER product in every way.

## Precision manufacture

Using the most advanced manufacturing processes and with more than 60 years of experience in precision engineering, KAESER's skill and expertise guarantees products of the very highest quality.

The care that is taken in the production of the compressor block is also taken at every stage of compressor assembly.

## A smart solution for greater efficiency

With the i.Comp 3, air is drawn in through the piston head – a sophisticated design feature that allows for significantly larger valve cross sections. This results in excellent filling efficiency, enabling very low compression temperatures in the cylinder, which in turn increases efficiency and extends service life.

## Virtually maintenance-free

Since the i.Comp 3 compressor uses an oil-free compression system, maintenance requirement is kept to an absolute minimum. There is no need to check or top up the oil level – or, of course, to perform an annual oil change. In addition, no oil can find its way into the compressed air, which means that there is no oil-contaminated condensate to deal with or associated resulting disposal costs. This keeps the service costs for the i.Comp 3 exceptionally low.

## All-round reliability

Made in Germany – KAESER trades compressors provide exceptional quality and performance. The LwA, VDE and CE symbols guarantee that all compressors conform to legal requirements,  ensuring that you, the user, are always on the safe side.

## Made in Germany

Every i.Comp 3 compressor is equipped with a KAESER compressor block that is **Made in Germany**. The compressor blocks are manufactured onsite at the KAESER reciprocating compressor production centre at the Coburg production plant, where the complete systems are also assembled and tested. High quality materials and meticulous assembly guarantee maximum compressed air performance and long service life.

i.Comp 3 series

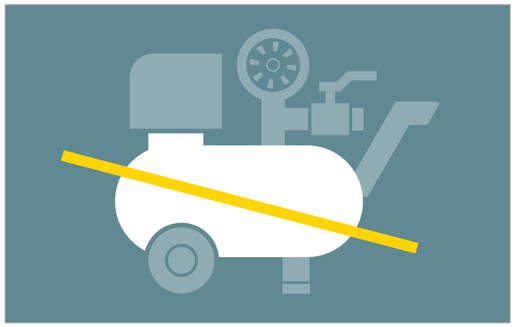
# The trades compressor with a difference

## i.Comp Control

The i.Comp Control controller was specially developed for these innovative trades compressors. It detects the real-time pressure signal in the integrated flow volume control and adjusts the motor speed precisely to the required pressure. The pressure can be precisely adjusted easily and conveniently using the controller's arrow keys. The compressor is also equipped with a maintenance indicator, whilst clear icons and symbols on the i.Comp controller make operation simple and intuitive.

## Motor

The i.Comp 3's new drive concept provides a number of advantages. It delivers the exact compressed air power needed to meet actual compressed air demand. For construction sites it is essential for the compressor to start smoothly even at the maximum permitted 150 metre cable length. In addition, with its low starting current requirement and high network utilisation, the motor is highly efficient.



## Compact and lightweight

The completely new drive concept has made it possible to eliminate the need for an air receiver. With its resulting lightweight and compact design, this versatile compressor is ideal for mobile applications. The i.Comp 3 therefore uniquely combines low weight, easy handling and ergonomic design with heavyweight compressed air performance.

## 11 bar consistent pressure

The i.Comp 3 can be operated continuously at a maximum pressure of 11 bar. Needless to say, the renowned industrial quality of KAESER products ensures outstanding operational reliability.

## We can do BOTH

i.Comp 3 compressors offer outstanding durability and performance. Their compact, easy-to-handle design also makes them ideal for mobile applications.

- No air receiver required
- Delivers up to 11 bar
- Dependable start-up even with 150 m power cable

# i.Comp 3 portable

This version of the i.Comp 3, with its ergonomic housing, and weighing in at just 25 kg, ensures exceptional portability.

- Exceptional portability
- Ergonomic housing
- Easy to take wherever it's needed

**Fig.:** i.Comp 3

**Fig.:** i.Comp 3

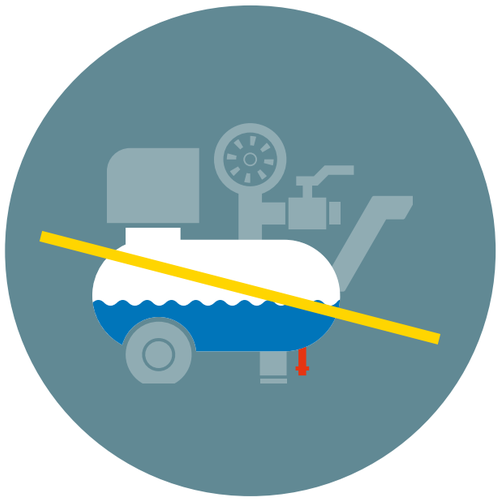
# i.Comp 3 mobile

The mobile i.Comp 3 is the perfect solution for covering longer distances. The wheels are highly durable and are suited to rough terrain. Furthermore, this compact unit can be transported in a horizontal position.

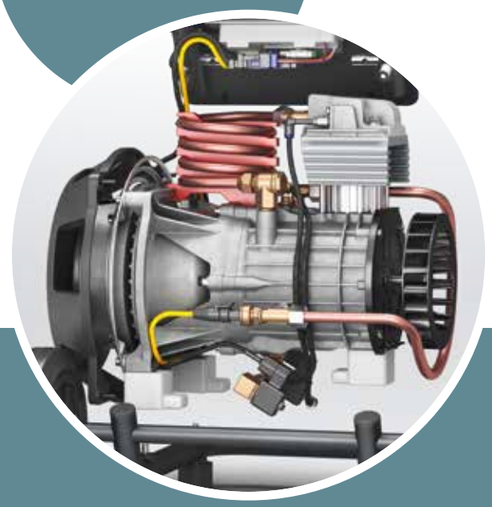
- Can be transported in a horizontal position
- Compact design for easy transportation
- Ideal for covering longer distances

i.Comp 3 series

# No more problems with condensate



**An innovative solution evaporates the oil-free condensate with zero residue**



## Minimal service costs

Since the i.Comp 3 compressor uses an oil-free compression system, maintenance requirement is kept to an absolute minimum. There is no need to check or top up the oil level, or to perform an annual oil change. In addition, no oil can find its way into the compressed air, which means that there is no oil-contaminated condensate to deal with. This keeps service costs for the i.Comp 3 exceptionally low.

i.Comp 3

i.Comp 3 series

# One for all

## Stapling – fast and effective

Stapling saves time and is invaluable when it comes to fastening sheeting, netting and other materials. The KAESER i.Comp 3 trades compressor always delivers the right amount of compressed air for the specific job at hand. Construction site stapling tasks therefore almost take care of themselves!

## Outstanding painting results

Perfectly suited to onsite paint application tasks, for example for timber elements or structural steel components. The i.Comp 3 is perfect for use on construction sites and is also impressively versatile when it comes to performing complex paint application tasks. The i.Comp 3 delivers the appropriate compressed air quality for the specific application.

## Professional jointing and sealing

Silicon work not only has to be accurate, but also has to be performed quickly. i.Comp 3 series trades compressors provide a constant supply of quality compressed air for quick and effective sealing of joints.

## Floor stripping – quick and simple

i.Comp 3 compressors are a great choice for stripping floor coverings using a compressed air scaler. Moreover, they are the best choice for all interior construction work that requires a constant supply of compressed air.

# Individually adaptable for various OEM applications

## Industrial filter cleaning

Filter cleaning is carried out by applying bursts of compressed air to the filter in the exhaust system, causing it to vibrate. The filtered solids fall away and can be disposed of accordingly.

## Long-distance water supply

When water has to be transported over long distances or to a higher level, pumping stations are needed. These stations require, among other components, continuously pressurised tanks. The i.Comp 3 compressor is perfect for this purpose.

## Laser cutting

Compressed air has several functions in laser cutting. The targeted air stream blows material out of the cut, cools the heat affected zone, protects the optical lens from contamination and prevents aerosol debris from igniting. A working pressure of 10-11 bar is needed in this case.

## Cable blowing

In cable blowing, a fibre optic cable is inserted into a hollow pipe using special equipment. Compressed air is then used to blow the cable into the pipe. The i.Comp 3 is ideal for cable installation both in residential and office buildings.





# i.Comp Control

## Greater functionality, greater safety

This controller was specially developed for the i.Comp compressor and has a wide range of functions.
The following operating modes are available:

### 1. Machine OFF

- Machine connected to power
- Not switched on

### 2. Automatic pressure control

- On-load: Machine ON, compressor operating and producing compressed air
- Idle: Machine ON, compressor operating at 1500 rpm, with air vented via solenoid valve
- Stopped: Machine ON and compressor is stopped because shutdown pressure is reached. Compressor is automatically vented and condensate is discharged

### 3. Service functions

- Manual condensate drainage
- Flow volume control / tank leakage check
- Start-up pressure via safety valve

Other functions include pressure setting using the UP and DOWN keys, automatic condensate drainage, switching between pressure units, display brightness, and maintenance and fault indicators.

# Technical specifications

**i.Comp 3 portable**

| Rated motor power kW | Motor speed range rpm | Max. intake volume at max. speed l/min | Max. intake volume at max. pressure l/min | Max. operating pressure bar | Flow rate at 6 bar l/min | Flow rate at 11 bar l/min | Dimensions W x D x H mm | Mass kg | Emission sound pressure level *) dB(A) | Protection rating: Drive motor | Protection rating: i.Comp Control | Ambient temperatures °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5 | 1500 - 3200 | 265 | 220 | 11 | 160 | 117 | 490 x 340 x 600 | 25 | 79 | IP 54 | IP65 / IP54 | 3-35 |

**i.Comp 3 mobile**

| Rated motor power kW | Motor speed range rpm | Max. intake volume at max. speed l/min | Max. intake volume at max. pressure l/min | Max. operating pressure bar | Flow rate at 6 bar l/min | Flow rate at 11 bar l/min | Dimensions W x D x H mm | Mass kg | Emission sound pressure level *) dB(A) | Protection rating: Drive motor | Protection rating: i.Comp Control | Ambient temperatures °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5 | 1500 - 3200 | 265 | 220 | 11 | 160 | 117 | 570 x 440 x 1050 | 29 | 79 | IP 54 | IP65 / IP54 | 3-35 |

*) Emissions sound pressure level calculated from the measured average sound power level (Directive 2000/14/EC, Sound measurement basic standard ISO 3744) as per EN ISO 11203 with d=1m, Q2 = Enveloping surface dimension dB.

## More compressed air for less energy

# The world is our home

As one of the world's largest manufacturers of compressors, blowers and compressed air systems, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of wholly owned subsidiaries and authorised distribution partners in over 140 countries.

By offering innovative, efficient and reliable products and services, KAESER KOMPRESSOREN's experienced consultants and engineers work in close partnership with customers to enhance their competitive edge and to develop progressive system concepts that continuously push the boundaries of performance and technology. Moreover, decades of knowledge and expertise from this industry-leading systems provider are made available to each and every customer via the KAESER group's advanced global IT network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at the peak of its performance at all times, providing optimal efficiency and maximum availability.

P-336SG Specifications subject to change without notice /24

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