



# Workshop Compressors

## **EUROCOMP Series**

Flow rate 112 to 1000 l/min

Maximum gauge pressure 10 and 15 bar

# EUROCOMP series

## EUROCOMP – Tough compressors for tough jobs

KAESER's EUROCOMP series of stationary reciprocating compressors have successfully served the trades and industrial sectors for many years. The choice of horizontal, vertical or free-standing air receivers means these powerful all-rounders can be installed in any location, even the smallest of workshops.

### Low compressed air temperatures

Featuring numerous cooling fins, additional cooling pins in the compressed air outlet and a large fan wheel, the highly efficient cooling system fitted to EUROCOMP reciprocating compressors serves to maintain low oil and compressed air temperatures, thereby enhancing the efficiency, availability and service life of the compressor and connected air tools. The special shape of the ring-profile aluminium after-cooler also ensures effective protection against accidental contact.

### Maintenance-free transmission

Drive motor and compressor block are connected directly, thereby eliminating transmission losses and making the whole drive system maintenance-free. Low speeds ensure higher levels of efficiency and extend the service life of all moving parts.

### Double vibration damping

Reciprocating compressors from KAESER's EUROCOMP series are equipped with double vibration damping as standard. This serves largely to neutralise the effects of the moving parts, thereby ensuring that sound levels remain low and that no vibrations are transmitted through the ground.

### Sound insulation available

Already low thanks to vibration damping and low-speed operation, the sound levels emitted by EUROCOMP series reciprocating compressors can be reduced even further if required – by up to 10 dB(A) – via the fitting of a highly effective sound enclosure. These are available ex-works, or they can be retrofitted post-delivery.



### The “Made in Germany” quality stamp

All key components in KAESER's EUROCOMP series reciprocating compressors, including the compressor block and electric drive motor, are made in Germany to the very highest quality standards. As a result, operators benefit from greater system performance and considerably longer service life. EUROCOMP compressors are designed and built to provide many years of dependable service in tough workshop environments.

# High-quality components for a long service life



Image: EPC 550-2-350



Precision in  
every detail



Image: EPC 1000-2-500

# EUROCOMP series



## Quality KAESER compressor block

Constructed in-house from premium-grade materials, each compressor block from KAESER KOMPRESSOREN is meticulously machined and assembled to ensure outstanding performance, efficiency and durability.



## High-efficiency cooling

Featuring numerous cooling fins, additional cooling pins in the compressed air outlet and a large fan wheel, the highly efficient cooling system fitted to EUROCOMP reciprocating compressors serves to maintain low oil and compressed air temperatures, thereby enhancing availability and extending service life.



## Corrosion-resistant valves

The valves in EUROCOMP compressors are equipped with lift limiters and stainless steel valve reeds, which serve to improve heat dissipation and prevent a build-up of oil carbon. This significantly improves valve sealing properties, whilst also extending their service life.



## Made in Germany

All key components, including the compressor block and electric drive motor, are made in Germany to the very highest quality standards. KAESER's EUROCOMP compressors are designed to provide many years of reliable service and to ensure a dependable supply of quality compressed air.

The perfect solution  
for



Image: EPC 1000-2-500



Image: EPC 1500-500



### Horizontal configuration

EUROCOMP versions featuring a horizontal air receiver are particularly popular for workshop applications.



### Vertical configuration

The space-saving version features a vertical air receiver. All air receivers up to 350 l – whether configured vertically or horizontally – feature a corrosion-resistant internal coating.

ution  
every application



Image: EPC 1500-500



Image: EPC 1000-2-500



### “Package” version

Perfect as replacement parts or for connection to systems where an existing air receiver is available, package versions are also available for stand-alone use.



### Optional sound enclosure

Highly effective sound enclosures can be fitted ex-works to EUROCOMP reciprocating compressors if required. They are also available as retrofit kits for quick and easy installation at the user-end.

# Application examples



Image: EPC 1500-500





## Compressed air for service stations

(featuring workshop and/or car wash)

### Ensure a safe, clean journey

Whether for tyre inflation equipment or car washing systems, EUROCOMP reciprocating compressors represent the ideal choice for any service station.



## Automotive workshops

(for torque wrenches, tyre inflation, hydraulic ramps, paint spraying)

### The workshop professional

EUROCOMP compressors can handle the toughest of workloads: Whether for powering torque wrenches, paint-spraying applications or tyre inflation equipment, this high-performance all-rounder is up to any task.



## Small-scale industrial operations with up to 20 employees

(Air tools and pneumatic drives)

### The working air specialist

EUROCOMP compressors are perfect for small-scale industrial operations. Whether for powering air tools or pneumatic drives, the right pressure is always available whenever you need it.



## Coating systems

(Paint spraying, lacquering, powder coating)

### All in colour

With EUROCOMP reciprocating compressors, paint-spraying, lacquering and powder-coating applications are just a walk in the park.



## Trades applications

(Air tools for woodworking or metalworking operations)

### Compressed air is their trade

Whether for woodworking or metalworking applications, EUROCOMP compressors guarantee a strong performance from your air tools.

- Depending on the application in question, special treatment is necessary to guarantee the required compressed air quality.



## EUROCOMP – Quality at a glance

The exceptional quality of KAESER products is achieved by using the very best materials and components available. This statement is as true for EUROCOMP workshop compressors as it is for all other compressor models in the KAESER product range; the selection of high-quality components at every stage of the manufacturing process ensures a high-quality end product.

- |   |                                     |
|---|-------------------------------------|
| 1) Air intake filter with silencer                    | 8) Air receiver                     |
| 2) Reciprocating compressor block                     | 9) Oil filler port with ventilation |
| 3) Drive motor with maintenance-free 1:1 direct drive | 10) Oil drain plug                  |
| 4) Fan with fan guard                                 | 11) Oil level sight glass           |
| 5) Pressure switch                                    | 12) Double vibration damping        |
| 6) Pressure gauge with pressure display               | 13) Compressed air aftercooler      |
| 7) Safety valve                                       | 14) Compressed air outlet           |
|   | 15) Test flange                     |
|   | 16) Condensate drain                |
|   | 17) Nameplate                       |
|   | 18) Intercooler                     |



## The benefits



### The best choice for a lower compressed air demand

Many workshop operations only require compressed air intermittently, rather than on a continuous basis. For such cases, EUROCOMP series reciprocating compressors are the ideal choice. They operate only for as long as compressed air is actually required, before switching back off again – this saves energy and therefore costs.



### Trouble-free and long-lasting

Meticulous construction using the highest quality materials ensures reliable operation and long maintenance intervals, guaranteeing you complete peace of mind with regard to your compressed air supply.



### Energy cost savings

EUROCOMP series compressors are equipped with 1:1 direct drive. This means that virtually no energy losses are incurred between the drive motor and compressor.

# Equipment

## Reciprocating compressor block + motor

- Air-cooled compressor block with oil-ring lubrication (oil-injection lubrication up to 2.4 kW)
- Intake air filter with silencer
- Aluminium cylinder heads and additional cooling pipes for maximum heat dissipation
- Oil filler port, ventilation, oil drain plug and oil level sight glass
- Multi-chamber, aluminium ring cooler doubles as a fan guard (3 kW models upwards)
- Directly coupled motor and compressor block
- Compressor, motor and air receiver equipped with anti-vibration mounts; flexible hose connection between compressor and air receiver
- Low-noise, corrosion-resistant reed valves
- Integrated axial fan for cooling compressor and motor
- 4-pole motor, 1500 rpm, three-phase 400 V / 3 Ph / 50 Hz
- IP 54 protection, B 15 construction



## Options

- Sound enclosure
- Operating hours counter
- Alarm message contact
- Air receiver with integrated automatic/electronic condensate drain
- Adjustable machine feet
- Food-grade or synthetic oil
- 3 m or 5 m connection cable, with/without CE plug
- Oil level monitoring with automatic shutdown



# Options



## Star-delta starter

Control cabinet with automatic star-delta protection combination. Dust and water-resistant to IP 54. With operating hours counter and KAESER CONTROL monitoring module (required for 5.5 kW motors and higher).



## Electronic condensate drain

ECO-DRAIN condensate drain with level-sensor control. Complete set for mounting on air receiver; all necessary parts and fittings included.



## KAESER-DRAIN condensate drain

The economical, automatic KAESER-DRAIN condensate drain for reciprocating compressors uses compressed air remaining in the system upon shutdown for the purposes of draining the condensate. The version for EPC compressors also offers the choice of manual operation for simple functional testing.



## Refrigeration dryer

Additional compressed air drying is essential to avoid production downtime and interruptions, as well as to minimise costly maintenance and repair work. KAESER compressed air dryers represent the perfect addition to EUROCOMP reciprocating compressors.



## Air receiver

EUROCOMP packages use vertically-configured air receivers with a resilient coating that ensures optimal corrosion resistance. KAESER air receivers are designed in accordance with AD 2000 to allow long inspection intervals.



# Technical specifications

## EUROCOMP – Versions with horizontal air receiver

|  |       | Single-stage, 10 bar      |                           |                           |             |                           |             |              |              | Two-stage, 15 bar |               |               |               |                |
|--|-------|---------------------------|---------------------------|---------------------------|-------------|---------------------------|-------------|--------------|--------------|-------------------|---------------|---------------|---------------|----------------|
|  |       | EPC 340-100 <sup>*)</sup> | EPC 440-100 <sup>*)</sup> | EPC 630-100 <sup>*)</sup> | EPC 630-250 | EPC 840-100 <sup>*)</sup> | EPC 840-250 | EPC 1100-500 | EPC 1500-500 | EPC 230-2-100     | EPC 420-2-250 | EPC 550-2-250 | EPC 750-2-500 | EPC 1000-2-500 |
| Flow rate <sup>1)</sup> at 6 bar                 | l/min | 195                       | 280                       | 410                       |             | 590                       |             | 750          | 1000         | –                 | –             | –             | –             | –              |
| Flow rate <sup>1)</sup> at 8 bar                 | l/min | 170                       | 260                       | 375                       |             | 530                       |             | 690          | 900          | 192               | 344           | 460           | 620           | 836            |
| Flow rate <sup>1)</sup> at 12 bar                | l/min | –                         | –                         | –                         |             | –                         |             | –            | –            | 188               | 336           | 450           | 610           | 820            |
| Air receiver volume                              |       | 90                        |                           | 90                        | 250         | 90                        | 250         | 500          | 500          | 90                | 250           | 250           | 500           | 500            |
| Internally coated air receiver                   |       | ●                         | ●                         | ●                         | ●           | ●                         | ●           | –            | –            | ●                 | ●             | ●             | –             | –              |
| Compressor block shaft power <sup>2)</sup> 400 V | kW    | 1.7                       | 2.4                       | 3.0                       |             | 4.0                       |             | 5.5          | 7.5          | 1.7               | 3.0           | 4.0           | 5.5           | 7.5            |
| Number of cylinders                              |       | 1                         | 2                         | 2                         |             | 2                         |             | 2            | 2            | 2                 | 2             | 2             | 2             | 2              |
| Sound pressure level <sup>3)</sup>               | dB(A) | 73                        | 72                        | 75                        | 76          | 77                        |             | 79           | 80           | 70                | 75            | 78            | 75            | 80             |
| Width  | mm    | 1120                      | 1130                      | 1150                      | 1540        | 1150                      | 1590        | 1970         |              | 1140              | 1540          | 1590          | 1970          | 1970           |
| Depth  | mm    | 350                       | 500                       | 570                       |             | 600                       |             | 720          | 770          | 440               | 570           | 600           | 790           | 810            |
| Height   | mm    | 910                       | 870                       | 950                       | 1130        | 960                       | 1140        | 1300         | 1330         | 870               | 1210          | 1210          | 1330          | 1340           |
| Mass   | kg    | 73                        | 89                        | 95                        | 166         | 100                       | 165         | 235          | 245          | 90                | 175           | 180           | 280           | 285            |
| Versions with sound enclosure:                   |       |                           |                           |                           |             |                           |             |              |              |                   |               |               |               |                |
| Sound pressure level <sup>3)</sup>               | dB(A) | 64                        | 66                        | 67                        |             | 69                        |             | 70           | 72           | 64                | 69            | 68            | 70            | 72             |
| Width  | mm    | 1150                      |                           | 1150                      | 1540        | 1150                      | 1580        | 1970         |              | 1180              | 1540          | 1590          | 1970          |                |
| Depth  | mm    | 470                       |                           | 610                       |             | 610                       |             | 760          |              | 470               | 610           |               | 760           |                |
| Height   | mm    | 1010                      | 1020                      | 1090                      | 1270        | 1090                      | 1270        | 1410         | 1410         | 1010              | 1270          | 1250          | 1410          |                |
| Mass   | kg    | 123                       | 125                       | 155                       | 230         | 160                       | 230         | 345          | 352          | 130               | 245           | 247           | 444           | 447            |

## EUROCOMP – Packages (without air receiver)

|  |       | Single-stage, 10 bar |           |           |           |            |            | Two-stage, 15 bar |             |             |             |             |              |  |
|--|-------|----------------------|-----------|-----------|-----------|------------|------------|-------------------|-------------|-------------|-------------|-------------|--------------|--|
|  |       | EPC 340-G            | EPC 440-G | EPC 630-G | EPC 840-G | EPC 1100-G | EPC 1500-G | EPC 150-2-G       | EPC 230-2-G | EPC 420-2-G | EPC 550-2-G | EPC 750-2-G | EPC 1000-2-G |  |
| Flow rate <sup>1)</sup> at 6 bar                 | l/min | 195                  | 280       | 410       | 590       | 750        | 1000       | –                 | –           | –           | –           | –           | –            |  |
| Flow rate <sup>1)</sup> at 8 bar                 | l/min | 170                  | 260       | 375       | 530       | 690        | 900        | 116               | 192         | 344         | 460         | 620         | 836          |  |
| Flow rate <sup>1)</sup> at 12 bar                | l/min | –                    | –         | –         | –         | –          | –          | 112               | 188         | 336         | 450         | 610         | 820          |  |
| Compressor block shaft power <sup>2)</sup> 400 V | kW    | 1.7                  | 2.4       | 3.0       | 4.0       | 5.5        | 7.5        | 1.1               | 1.7         | 3.0         | 4.0         | 5.5         | 7.5          |  |
| Number of cylinders                              |       | 1                    | 2         | 2         | 2         | 2          | 2          | 2                 | 2           | 2           | 2           | 2           | 2            |  |
| Sound pressure level <sup>3)</sup>               | dB(A) | 79                   | 74        | 75        | 78        | 79         | 80         | 74                | 71          | 74          | 75          | 80          | 79           |  |
| Width  | mm    | 520                  | 520       | 630       | 630       | 800        | 810        | 510               | 520         | 640         | 640         | 800         | 800          |  |
| Depth  | mm    | 330                  | 500       | 570       | 590       | 700        | 800        | 430               | 440         | 570         | 600         | 670         | 720          |  |
| Height   | mm    | 510                  | 440       | 540       | 550       | 610        | 650        | 440               | 440         | 580         | 610         | 630         | 650          |  |
| Mass   | kg    | 40                   | 50        | 70        | 70        | 100        | 130        | 40                | 45          | 70          | 95          | 125         | 135          |  |
| Control and connection components                |       | ○                    | ○         | ○         | ○         | ○          | ○          | ○                 | ○           | ○           | ○           | ○           | ○            |  |
| Versions with sound enclosure:                   |       |                      |           |           |           |            |            |                   |             |             |             |             |              |  |
| Sound pressure level <sup>3)</sup>               | dB(A) | 66                   | 66        | 67        | 72        | 70         | 74         | 59                | 62          | 67          | 68          | 70          | 72           |  |
| Width  | mm    | 810                  |           | 920       |           | 1090       |            | 810               |             | 920         |             | 1090        |              |  |
| Depth  | mm    | 470                  |           | 610       |           | 730        |            | 470               |             | 610         |             | 730         |              |  |
| Height   | mm    | 620                  | 640       | 730       |           | 800        |            | 640               |             | 730         |             | 800         |              |  |
| Mass   | kg    | 95                   | 100       | 130       |           | 240        | 260        | 95                | 100         | 160         | 170         | 265         | 270          |  |

Option / without hose line ○  
Standard ●

**EUROCOMP – Versions with vertical air receiver**

|  |       | Single-stage, 10 bar |                |                | Two-stage, 15 bar |                  |                  |                  |                  |                   |
|--|-------|----------------------|----------------|----------------|-------------------|------------------|------------------|------------------|------------------|-------------------|
|  |       | EPC<br>440-250       | EPC<br>630-250 | EPC<br>840-250 | EPC<br>230-2-250  | EPC<br>420-2-250 | EPC<br>550-2-250 | EPC<br>550-2-350 | EPC<br>750-2-500 | EPC<br>1000-2-500 |
| Flow rate <sup>1)</sup> at 6 bar                 | l/min | 280                  | 410            | 590            | –                 | –                | –                | –                | –                | –                 |
| Flow rate <sup>1)</sup> at 8 bar                 | l/min | 260                  | 375            | 530            | 192               | 344              | 460              | 620              | 836              |                   |
| Flow rate <sup>1)</sup> at 12 bar                | l/min | –                    | –              | –              | 188               | 336              | 450              | 610              | 820              |                   |
| Internally coated air receiver                   |       | 250                  | 250            | 250            | 250               | 250              | 250              | 350              | 500              | 500               |
| Internally coated air receiver                   |       | ●                    | ●              | ●              | ●                 | ●                | ●                | ●                | –                | –                 |
| Compressor block shaft power <sup>2)</sup> 400 V | kW    | 2.4                  | 3.0            | 4.0            | 1.7               | 3.0              | 4.0              | 5.5              | 7.5              |                   |
| Number of cylinders                              |       | 2                    | 2              | 2              | 2                 | 2                | 2                | 2                | 2                | 2                 |
| Sound pressure level <sup>3)</sup>               | dB(A) | 76                   | 75             | 78             | 72                | 73               | 78               | 76               | 80               | 80                |
| Width  | mm    | 650                  | 650            |                | 650               | 650              | 670              | 720              | 910              | 900               |
| Depth  | mm    | 730                  | 700            | 710            | 730               | 720              | 710              | 740              | 910              |                   |
| Height   | mm    | 1720                 | 1810           | 1820           | 1720              | 1910             | 1910             | 1980             | 2060             | 2060              |
| Mass   | kg    | 125                  | 150            | 156            | 150               | 175              | 177              | 190              | 325              |                   |
| <b>Version with sound enclosure</b>              |       |                      |                |                |                   |                  |                  |                  |                  |                   |
| Sound pressure level <sup>3)</sup>               | dB(A) | 67                   | 69             | 68             | 64                | 67               | 68               | 68               | 70               | 72                |
| Width  | mm    | 810                  | 920            |                | 810               | 920              |                  | 920              | 1090             |                   |
| Depth  | mm    | 640                  | 640            |                | 650               | 650              |                  | 730              | 910              |                   |
| Height   | mm    | 1920                 | 1990           |                | 1920              | 1990             |                  | 2060             | 2140             |                   |
| Mass   | kg    | 160                  | 230            | 235            | 200               | 250              | 258              | 313              | 395              | 400               |

<sup>1)</sup> Flow rate as per ISO 1217

<sup>2)</sup> Power supply: 400V, 3 Ph, 50 Hz

<sup>3)</sup> Sound pressure level as per ISO 2151 and basic standard ISO 9614-2; operation at maximum gauge working pressure; tolerance: ± 3 dB(A)

<sup>7)</sup> With type approval – TÜV certification not required

# 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 branches, 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 peak performance at all times, whilst providing maximum availability.



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