

# HPC

Compressed  
Air Systems

# KAESER COMPRESSORS®



# Trades Compressors

## **PREMIUM Series**

Flow rate 83 to 440 l/min

Pressure 10 to 25 bar

[www.hpccompressors.co.uk](http://www.hpccompressors.co.uk)

# PREMIUM Series

To fulfil their wide range of applications, PREMIUM series products meet the very highest standards in quality, reliability and versatility. You'll find a model to suit every application.

Carefully constructed using the very best materials, each unit ensures a long, efficient and reliable service life. Proven quality, robust design and long maintenance intervals make PREMIUM series compressors from KAESER the ideal choice for everyday use.

## Precision machining

Using the most advanced manufacturing processes and with more than 80 years of experience in precision engineering, KAESER's skill and expertise guarantees products of the very highest quality standards.

## Meticulous assembly

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

## Stainless steel valves

The valve reeds in the corrosion resistant stainless steel valves are fitted with heat dissipating lift limiters to ensure air-tight valve closure and extended service life.

## High-grade lubricating fluid

Every KAESER trades compressor is filled with special high-grade lubricating fluid that virtually eliminates build up of oil-carbon deposits on the valves. In addition, the fluid enables the lubrication change interval to be doubled to approximately 1000 operating hours.

## Assured quality and cutting-edge technology

KAESER PREMIUM compressors are quality products Made in Germany. The LwA and CE symbols guarantee that all compressors conform to legal requirements. PREMIUM series trades compressors are type approved.

## Made in Germany

Equipped with Made in Germany compressor blocks from KAESER, PREMIUM series trades compressors provide exceptional quality and performance. For powers up to 1.5 kW, the motor and compressor casing form a single component. The compressor blocks are manufactured, assembled and tested on-site at the KAESER reciprocating compressor production facility, located at the Coburg production plant in Germany. High quality materials and meticulous assembly guarantee maximum compressed air performance and long service life.

# The ideal trades compressor for **every need**



PREMIUM  
CAR



PREMIUM  
COMPACT



PREMIUM

Construction  
sites

► More on pages 4-5

Construction  
related  
applications

► More on pages 6-7

Workshops

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## KAESER-quality compressor block

Made from premium grade materials and subjected to rigorous inspection, each KAESER KOMPRESSOREN compressor block is meticulously machined and assembled to ensure outstanding compressed air performance, efficiency and durability.



# PREMIUM CAR – for the construction site

KAESER "PREMIUM CAR" compressors are perfectly equipped to meet the needs of a wide range of construction site applications. Their compact design makes transportation easy and ensures excellent stability meaning that the compressor cannot tip over. A robust cover plate and solid frame protect "PREMIUM CAR" compressors against the toughest of operating conditions.

Turn to pages 12-13 for technical specifications

High  
quality cylinder

97  
dB

CE

Receiver  
Internally coated



Image: PREMIUM CAR 330/30 W



Image: PREMIUM CAR 660/70 D



Image: PREMIUM CAR 350/30 W



Image: PREMIUM CAR 150-2/16 W



Image: PREMIUM CAR 450/30 W

Master class  
(KAESER PREMIUM CAR 450/30 W)  
**Heimwerker  
Praxis** 1/2015  
Price/Performance: Good  
**1,3**



## Stucco removal made simple

Stucco removal is a demanding and time-consuming task. The PREMIUM CAR is the perfect choice for this job and is ideal for powering chipping hammers to enable quick and effective removal of damaged or damp plaster.



## Effective sandblasting

Quality sandblasting results depend heavily on the air pressure and on the volume of air at the nozzle. The right PREMIUM CAR is available to meet all compressed air volume requirements. Surface treatment using sandblasting therefore couldn't be easier.



## Impressive nailing performance

KAESER PREMIUM CAR series trades compressors are also perfectly suited to carpentry applications. Their impressive performance when using air nailer guns makes them a powerful and efficient partner for every roofer.



## Safe & easy to transport

With their compact design, PREMIUM CAR trades compressors are convenient and efficient work companions. Not only stable and secure to safeguard against tipping over, they are also equipped with two sturdy wheels to allow easy transportation on the construction site.



# PREMIUM COMPACT – for construction related applications

PREMIUM COMPACT models are especially suited to subcontractors working on smaller construction related jobs, as often only one tradesman is at work at any given time. The units' special design enables easy single-handed manoeuvrability. PREMIUM COMPACT compressors are ideal for applications such as stripping floor coverings, interior work and renovation tasks.

Turn to pages 12-13 for technical specifications



Image: PREMIUM COMPACT 350/30W



Image: PREMIUM COMPACT 450/30W



Image: PREMIUM SILENT 130/10W



Image: PREMIUM COMPACT 160/4W



Image: PREMIUM COMPACT 250/30W



## Stapling – fast and effective

Stapling saves time and is invaluable when it comes to fastening sheeting, netting and materials. KAESER PREMIUM COMPACT series trades compressors provide the right supply of compressed air whatever the need. Construction site stapling tasks therefore virtually take care of themselves!



## Floor stripping – quick and simple

PREMIUM COMPACT compressors are a great choice for stripping of floor coverings using compressed air lances. Not only that, but they are the best choice for all interior construction site duties that require a constant supply of compressed air.



## Professional jointing and sealing

Silicon work not only has to be accurate, but also has to be carried out quickly. PREMIUM COMPACT trades compressors therefore provide you with a constant supply of compressed air to allow you to seal joints quickly and effectively.



## Easy to transport

With impressive power and performance, PREMIUM COMPACT series compressors are also easy to transport. Their compact design makes them surprisingly easy to manoeuvre, even when climbing stairs.



# PREMIUM – for the workshop

PREMIUM trades compressors are exceptionally versatile and are ideally suited to use in the demanding field of automotive repair. Whether carrying out rapid tyre changes, repairing minor bodywork damage or supplying compressed air to small workshops, a PREMIUM compressor from KAESER is the perfect choice.

Turn to pages 14-15 for technical specifications

High  
quality cylinder

97  
dB

CE

Receiver  
Internally coated



Image: PREMIUM 350/90 D



Image: PREMIUM 450/40 W



Image: PREMIUM 660/90 D



Image: PREMIUM 250/40 W



Image: PREMIUM 200/24 D



## Impact wrench power

No matter whether in the workshop or at home, PREMIUM series trades compressors have all of your workshop needs covered, such as quick and easy tightening and loosening of wheel nuts, with KAESER compressed air and Made in Germany quality.



## Drilling in wood, stone or metal

Pneumatic drills are indispensable partners and a key piece of equipment for any good workshop. KAESER PREMIUM compressors always have more than enough compressed air on tap to ensure that you're not let down when carrying out longer and sustained drilling tasks.



## Multifaceted sanding & grinding

Random orbit sanders, straight grinders, orbital sanders, cut-off and angle grinders – your compressed air demand is as multifaceted as your sanding and grinding equipment, which is why PREMIUM series trades compressors are the ideal choice for even the most varied of compressed air requirements.



## Effortless painting

Enjoy brilliant results every time for all of your painting jobs with PREMIUM series trades compressors. Paint and transform large surface areas quickly and effortlessly. KAESER has the perfect compressed air solution to cover all of your painting needs.





Pressure switch with unloaded start



Filter pressure reducer with quick connect

Image: PREMIUM COMPACT 450/30 W



Silenced air intake filter



Fan / flywheel

Image: PREMIUM COMPACT 450/30 W

## PREMIUM – Quality at a glance

The exceptional quality of KAESER's products is achieved by using the very best materials and components. The sum of all high quality components makes a high quality whole.

The components used in PREMIUM series compressors are of the highest quality standards for which the KAESER name is renowned throughout the world.



Image: KAESER-quality compressor block

The key compressor components are highlighted below:

- |     |  |     |                                  |
|-----|--|-----|----------------------------------|
| 1)  | Silenced air intake filter                   | 12) | Condenser                        |
| 2)  | Reciprocating compressor block               | 13) | Air receiver (internally coated) |
| 3)  | Maintenance-free 1:1 direct drive            | 14) | Manual cold-start aid            |
| 4)  | Pressure switch with unloaded start          | 15) | Ribbed cooling pipes             |
| 5)  | Filter pressure regulator with quick connect |     |                                  |
| 6)  | Pressure relief valve                        |     |                                  |
| 7)  | Check valve                                  |     |                                  |
| 8)  | Oil filler port with vent                    |     |                                  |
| 9)  | Oil drain screw                              |     |                                  |
| 10) | Fan / flywheel                               |     |                                  |
| 11) | Terminal box with overload protection        |     |                                  |

# Technical specifications



| Model                  | Flow rate at 6 bar | Intake volume | Air receiver volume | Max. pressure | Rated power motor | No. of cylinders | Sound pressure level <sup>1)</sup> | Dimensions W x D x H |
|------------------------|--------------------|---------------|---------------------|---------------|-------------------|------------------|------------------------------------|----------------------|
|                        | l/min              | l/min         | l                   | bar           | kW                |                  | dB(A)                              | mm                   |
| PREMIUM CAR 200/30 W   | 113                | 200           | 30                  | 10            | 1.1               | 1                | 73                                 | 510 x 770 x 460      |
| PREMIUM CAR 250/30 W   | 144                | 250           | 30                  | 10            | 1.25              | 1                | 75                                 | 510 x 770 x 460      |
| PREMIUM CAR 300/30 W   | 166                | 300           | 30                  | 10            | 1.5               | 1                | 77                                 | 510 x 770 x 460      |
| PREMIUM CAR 350/30 W   | 211                | 350           | 30                  | 10            | 2.2               | 1                | 71                                 | 560 x 870 x 590      |
| PREMIUM CAR 450/30 W   | 274                | 450           | 30                  | 10            | 2.2               | 2                | 71                                 | 560 x 870 x 590      |
| PREMIUM CAR 660/70 D   | 440                | 660           | 70                  | 10            | 3.0               | 2                | 74                                 | 690 x 1040 x 630     |
| PREMIUM CAR 150-2/16 W | At 20 bar: 103     | 150           | 16                  | 25            | 2.2               | 2                | 70                                 | 560 x 870 x 590      |



| Model                                    | Flow rate at 6 bar | Intake volume | Air receiver volume | Max. pressure | Rated power motor | No. of cylinders | Sound pressure level <sup>1)</sup> | Dimensions W x D x H |
|--|--------------------|---------------|---------------------|---------------|-------------------|------------------|------------------------------------|----------------------|
|  | l/min              | l/min         | l                   | bar           | kW                |                  | dB(A)                              | mm                   |
| PREMIUM SILENT 130/10 W                  | 83                 | 130           | 10                  | 10            | 0.75              | 1                | 66                                 | 380 x 410 x 650      |
| PREMIUM COMPACT 250/30 W                 | 144                | 250           | 30                  | 10            | 1.25              | 1                | 77                                 | 530 x 410 x 810      |
| PREMIUM COMPACT 350/30 W                 | 211                | 350           | 30                  | 10            | 2.2               | 1                | 73                                 | 630 x 550 x 1010     |
| PREMIUM COMPACT S 350/30 W <sup>2)</sup> | 211                | 350           | 30                  | 10            | 2.2               | 1                | 73                                 | 630 x 650 x 1030     |
| PREMIUM COMPACT 450/30 W                 | 274                | 450           | 30                  | 10            | 2.2               | 2                | 70                                 | 630 x 550 x 1010     |
| PREMIUM COMPACT S 450/30 W <sup>2)</sup> | 274                | 450           | 30                  | 10            | 2.2               | 2                | 75                                 | 630 x 650 x 1030     |
| PREMIUM COMPACT 160/4 W                  | 86                 | 160           | 4                   | 20            | 1.1               | 1                | 71                                 | 610 x 350 x 570      |
| PREMIUM COMPACT 200/4 W                  | 113                | 200           | 4                   | 10            | 1.1               | 1                | 72                                 | 610 x 350 x 570      |
| PREMIUM COMPACT 250/4 W                  | 144                | 250           | 4                   | 10            | 1.25              | 1                | 72                                 | 610 x 350 x 570      |
| PREMIUM COMPACT 300/4 W                  | 166                | 300           | 4                   | 10            | 1.5               | 1                | 74                                 | 610 x 350 x 570      |

<sup>1)</sup> Sound pressure level calculated from the measured average sound power level (Directive 2000/14/EG, sound measurement basic standard ISO 3744) as per EN ISO 11203 at distance d = 1m, Q2 = Enveloping surface dimension dB.  
<sup>2)</sup> With stair wheel

Flow rate and performance data as per ISO 1217:2009, Annex C

# Tools and accessories

| Mass | Hose connection | Power supply (50 Hz) |
|------|-----------------|----------------------|
| kg   | mm              | Volt                 |
| 41   | 6               | 230 V AC             |
| 44   | 6               | 230 V AC             |
| 46   | 6               | 230 V AC             |
| 75   | 6               | 230 V AC             |
| 80   | 6               | 230 V AC             |
| 123  | 9               | 400 V DC             |
| 87   | 2 x G ¼         | 230 V AC             |

| Nailers Mid-sized | Airbag additional capacity with/without hose reel | Chipping hammer approx. 350 l/min | Sandblaster approx. 180 l/min |
|-------------------|---|-----------------------------------|-------------------------------|
| Suitable          | Suitable  | Suitable for short use            | Not available                 |
| Suitable          | Suitable  | Suitable for short use            | Not available                 |
| Suitable          | Suitable  | Suitable for short use            | Suitable                      |
| Suitable          | Suitable  | Suitable for short use            | Suitable                      |
| Suitable          | Suitable  | Suitable for short use            | Suitable                      |
| Suitable          | Suitable  | Suitable                          | Suitable                      |
| Not available     | Not available                                     | Not available                     | Not available                 |

| Mass | Hose connection | Power supply (50 Hz) |
|------|-----------------|----------------------|
| kg   | mm              | Volt                 |
| 31   | 6               | 230 V AC             |
| 40   | 6               | 230 V AC             |
| 67   | 9               | 230 V AC             |
| 68   | 9               | 230 V AC             |
| 73   | 9               | 230 V AC             |
| 76   | 9               | 230 V AC             |
| 33   | 6               | 230 V AC             |
| 33   | 6               | 230 V AC             |
| 33   | 6               | 230 V AC             |
| 35   | 6               | 230 V AC             |

| Nailers Mid-sized | Airbag additional capacity with/without hose reel | Chipping hammer approx. 350 l/min | Sandblaster approx. 180 l/min |
|-------------------|---|-----------------------------------|-------------------------------|
| Suitable          | Suitable  | Suitable for short use            | Not available                 |
| Suitable          | Suitable  | Suitable for short use            | Not available                 |
| Suitable          | Suitable  | Suitable                          | Suitable                      |
| Suitable          | Suitable  | Suitable                          | Suitable                      |
| Suitable          | Suitable  | Suitable                          | Suitable                      |
| Suitable          | Suitable  | Suitable                          | Suitable                      |
| Suitable          | Suitable  | Not available                     | Not available                 |
| Suitable          | Suitable  | Not available                     | Not available                 |
| Suitable          | Suitable  | Not available                     | Not available                 |
| Suitable          | Suitable  | Suitable for short use            | Not available                 |

Technical specifications



| Model            | Flow rate at 6 bar | Intake volume | Air receiver volume | Max. pressure | Rated power motor | No. of cylinders | Sound pressure level <sup>1)</sup> | Dimensions W x D x H |
|------------------|--------------------|---------------|---------------------|---------------|-------------------|------------------|------------------------------------|----------------------|
|                  | l/min              | l/min         | l                   | bar           | mm                |                  | dB(A)                              | mm                   |
| PREMIUM 200/24 W | 113                | 200           | 24                  | 10            | 1.1               | 1                | 73                                 | 740 x 380 x 660      |
| PREMIUM 200/24 D | 113                | 200           | 24                  | 10            | 1.1               | 1                | 73                                 | 740 x 380 x 660      |
| PREMIUM 250/24 W | 144                | 250           | 24                  | 10            | 1.25              | 1                | 78                                 | 740 x 380 x 660      |
| PREMIUM 250/24 D | 144                | 250           | 24                  | 10            | 1.25              | 1                | 78                                 | 740 x 380 x 660      |
| PREMIUM 250/40 W | 144                | 250           | 40                  | 10            | 1.25              | 1                | 78                                 | 900 x 410 x 720      |
| PREMIUM 250/40 D | 144                | 250           | 40                  | 10            | 1.25              | 1                | 78                                 | 900 x 410 x 720      |
| PREMIUM 300/40 D | 166                | 300           | 40                  | 10            | 1.50              | 1                | 78                                 | 900 x 410 x 740      |
| PREMIUM 300/40 W | 166                | 300           | 40                  | 10            | 1.50              | 1                | 78                                 | 900 x 410 x 740      |
| PREMIUM 350/40 W | 211                | 350           | 40                  | 10            | 2.2               | 1                | 73                                 | 900 x 420 x 760      |
| PREMIUM 350/40 D | 211                | 350           | 40                  | 10            | 2.2               | 1                | 73                                 | 900 x 420 x 760      |
| PREMIUM 350/90 D | 211                | 350           | 90                  | 10            | 2.2               | 1                | 71                                 | 1180 x 460 x 870     |
| PREMIUM 350/90 W | 211                | 350           | 90                  | 10            | 2.2               | 1                | 71                                 | 1180 x 460 x 870     |
| PREMIUM 450/40 W | 274                | 450           | 40                  | 10            | 2.2               | 2                | 73                                 | 900 x 500 x 720      |
| PREMIUM 450/40 D | 274                | 450           | 40                  | 10            | 2.2               | 2                | 73                                 | 900 x 500 x 720      |
| PREMIUM 450/90 W | 274                | 450           | 90                  | 10            | 2.2               | 2                | 73                                 | 1190 x 500 x 860     |
| PREMIUM 450/90 D | 274                | 450           | 90                  | 10            | 2.2               | 2                | 73                                 | 1190 x 500 x 860     |
| PREMIUM 660/90 D | 440                | 660           | 90                  | 10            | 3.0               | 2                | 76                                 | 1240 x 570 x 970     |

<sup>1)</sup> Sound pressure level calculated from the measured average sound power level (Directive 2000/14/EG, sound measurement basic standard ISO 3744) as per EN ISO 11203 at distance d = 1m, Q2 = Enveloping surface dimension dB.

Flow rate and performance data as per ISO 1217:2009, Annex C

Tools and accessories

| Mass | Hose connection | Power supply (50 Hz) |
|------|-----------------|----------------------|
| kg   | l/min           | Volt                 |
| 34   | 6               | 230 V AC             |
| 34   | 6               | 400 V DC             |
| 35   | 6               | 230 V AC             |
| 35   | 6               | 400 V DC             |
| 42   | 6               | 230 V AC             |
| 42   | 6               | 400 V DC             |
| 44   | 6               | 230 V AC             |
| 44   | 6               | 400 V DC             |
| 64   | 6               | 230 V AC             |
| 64   | 6               | 400 V DC             |
| 80   | 9               | 230 V AC             |
| 80   | 9               | 400 V DC             |
| 70   | 9               | 230 V AC             |
| 70   | 9               | 400 V DC             |
| 87   | 9               | 230 V AC             |
| 87   | 9               | 400 V DC             |
| 118  | 9               | 400 V DC             |

| Nailers Mid-sized      | Airbag additional capacity with/without hose reel | Chipping hammer approx. 350 l/min | Sandblaster approx. 180 l/min |
|------------------------|---|-----------------------------------|-------------------------------|
| Suitable for short use | Not available                                     | Not available                     | Not available                 |
| Suitable for short use | Not available                                     | Not available                     | Not available                 |
| Suitable               | Not available                                     | Not available                     | Suitable for short use        |
| Suitable               | Not available                                     | Not available                     | Suitable for short use        |
| Suitable               | Not available                                     | Not available                     | Suitable for short use        |
| Suitable               | Not available                                     | Not available                     | Suitable for short use        |
| Suitable               | Not available                                     | Not available                     | Suitable                      |
| Suitable               | Not available                                     | Not available                     | Suitable                      |
| Suitable               | Not available                                     | Not available                     | Suitable                      |
| Suitable               | Not available                                     | Suitable                          | Suitable                      |
| Suitable               | Suitable for short use                            | Suitable                          | Suitable                      |
| Suitable               | Suitable for short use                            | Suitable                          | Suitable                      |
| Suitable               | Suitable  | Suitable                          | Suitable                      |
| Suitable               | Suitable  | Suitable                          | Suitable                      |
| Suitable               | Suitable  | Suitable                          | Suitable                      |
| Suitable               | Suitable  | Suitable                          | Suitable                      |



# The world is our home

As one of the world's largest compressed air system providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 countries.

With innovative products and services, KAESER KOMPRESSOREN's experienced consultants and engineers help customers to enhance their competitive edge by working in close partnership to develop progressive system concepts that continuously push the boundaries of performance and compressed air efficiency.

Moreover, the decades of knowledge and expertise from this industry-leading system provider are made available to each and every customer via the KAESER group's global computer network.

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



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