

HPC | Compressed
Air Systems

KAESER
COMPRESSORS®



Trades Compressors

PREMIUM Series

Flow rate 83 to 440 l/min

Pressure 10 to 25 bar

www.kaeser.com

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.

Meticulous construction using the very best materials 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 guarantee 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 airtight valve closure and extended service life.

High-grade lubricating fluid

Every KAESER workshop 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 trades 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 housing form a single component. The compressor blocks are manufactured, assembled and tested on site at the KAESER reciprocating compressor production centre, located at the Coburg 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

Workshop

► More on pages 8-9



Compressor block with
1 cylinder



Compressor block with
2 cylinders

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” trades 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



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 stucco.



Effective sandblasting

Quality sandblasting results depend heavily on the air pressure and 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 could not be easier.



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



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

PREMIUM CAR trades compressors are convenient and efficient work companions. Their compact and solid design not only protects them from tipping over, but also enables easy transportation on the construction site thanks to the two sturdy wheels.

PREMIUM COMPACT

for construction-related applications

PREMIUM COMPACT models are especially suited to subcontractors on small construction sites, 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 maintenance tasks.

Turn to pages 12-13 for technical specifications



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.



Image: PREMIUM COMPACT 350/30W



Image: PREMIUM COMPACT 450/30W



Image: PREMIUM SILENT 130/10W



Image: PREMIUM COMPACT 160/4W



Professional jointing and sealing

Silicone 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 tackling 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

LWA
97
dB

CE

Receiver
Internally coated



Image: PREMIUM 350/90 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 never let down when carrying out longer and sustained drilling tasks.



Image: PREMIUM 450/40 W



Image: PREMIUM 660/90 D



Image: PREMIUM 250/40 W



Image: PREMIUM 200/24 D



Multifaceted sanding & grinding

Orbital sanders, straight grinders, 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.

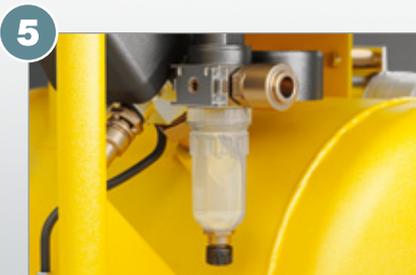


Effortless painting

Enjoy great 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. The addition of optimum compressed air treatment further ensures brilliant results.



Pressure switch with unloaded start



Filter pressure reducer with quick-connect coupling



Image: PREMIUM COMPACT 450/30 W

PREMIUM – Quality at a glance

The exceptional quality of KAESER's products is achieved through the use of the very best materials and components. The sum of high-quality components creates a high-quality whole.

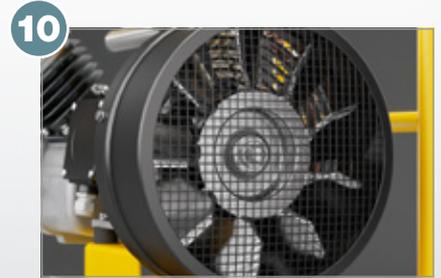
The components used in PREMIUM series compressors are of the highest quality for which the KAESER name is renowned throughout the world.



Image: Quality KAESER compressor block



Silenced air intake filter



Fan / flywheel

Image: PREMIUM COMPACT 450/30 W

The key compressor components are highlighted above:

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

Technical specifications



Model	Flow rate at 6 bar	Intake volume	Air receiver volume	Max. pressure	Compressor block shaft power	No. of cylinders	Sound pressure level ¹⁾	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	1.9	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	Compressor block shaft power	No. of cylinders	Sound pressure level ¹⁾	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	1.9	1	73	630 x 550 x 1010
PREMIUM COMPACT S 350/30 W ²⁾	211	350	30	10	1.9	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 ²⁾	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

¹⁾ 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 at distance d=1m, Q2 = Enveloping surface dimension dB.

²⁾ With stair wheel

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

Tools and accessories

Weight	Hose connection	Power supply (50 Hz)
kg	mm	Volts
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 brief use	Not applicable
Suitable	Suitable	Suitable for brief use	Not applicable
Suitable	Suitable	Suitable for brief use	Suitable
Suitable	Suitable	Suitable for brief use	Suitable
Suitable	Suitable	Suitable for brief use	Suitable
Suitable	Suitable	Suitable	Suitable
Not applicable	Not applicable	Not applicable	Not applicable

Weight	Hose connection	Electrical connection (50 Hz)
kg	mm	Volts
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 brief use	Not applicable
Suitable	Suitable	Suitable for brief use	Not applicable
Suitable	Suitable	Suitable	Suitable
Suitable	Suitable	Suitable	Suitable
Suitable	Suitable	Suitable	Suitable
Suitable	Suitable	Suitable	Suitable
Suitable	Suitable	Not applicable	Not applicable
Suitable	Suitable	Not applicable	Not applicable
Suitable	Suitable	Not applicable	Not applicable
Suitable	Suitable	Suitable for brief use	Not applicable

Technical specifications



Model	Flow rate at 6 bar	Intake volume	Air receiver volume	Max. pressure	Compressor block shaft power	No. of cylinders	Sound pressure level ¹⁾	Dimensions W x D x H
	l/min	l/min	l	bar	kW		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	1.5	1	78	900 x 410 x 740
PREMIUM 300/40 W	166	300	40	10	1.5	1	78	900 x 410 x 740
PREMIUM 350/40 W	211	350	40	10	1.9	1	73	900 x 420 x 760
PREMIUM 350/40 D	211	350	40	10	1.9	1	73	900 x 420 x 760
PREMIUM 350/90 D	211	350	90	10	1.9	1	71	1180 x 460 x 870
PREMIUM 350/90 W	211	350	90	10	1.9	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

¹⁾ 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 at distance d=1m, Q2 = Enveloping surface dimension dB.

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

Tools and accessories

Weight	Hose connection	Power supply (50 Hz)
kg	l/min	Volts
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 brief use	Not applicable	Not applicable	Not applicable
Suitable for brief use	Not applicable	Not applicable	Not applicable
Suitable	Not applicable	Not applicable	Suitable for brief use
Suitable	Not applicable	Not applicable	Suitable for brief use
Suitable	Not applicable	Not applicable	Suitable for brief use
Suitable	Not applicable	Not applicable	Suitable for brief use
Suitable	Not applicable	Not applicable	Suitable
Suitable	Not applicable	Not applicable	Suitable
Suitable	Not applicable	Not applicable	Suitable
Suitable	Not applicable	Not applicable	Suitable
Suitable	Not applicable	Suitable	Suitable
Suitable	Suitable for brief use	Suitable	Suitable
Suitable	Suitable for brief 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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