KAESER COMPRESSORS

www.kaeser.com

Reciprocating Compressors EUROCOMP Series

Air delivery from 112 to 1050 l/min – Pressure 10 and 15 bar

KAESER COMPRESSORS

EUROCOMP – Quality and Performance

What do you expect from your workshop compressor?

Quality results can be achieved only by using quality tools and equipment. A dependable source of compressed air delivered by a high performance compressor is therefore essential for many applications. KAESER's Eurocomp series of stationary reciprocating compressors have successfully served trade and industry for years. The choice of horizontal, vertical or free-standing air receiver allows these highly versatile compressors to be installed in any location.

Advantages of KAESER Eurocomp compressors include:

- **Made in Germany**: Quality KAESER compressor blocks manufactured from premium grade materials ensure maximum performance and outstanding service life.
- **Cool compressed air** thanks to an efficient aluminium after-cooler that also serves as a fan guard.
- **Maintenance-free** power transmission via direct coupling of the drive motor to the compressor block.
- **Dual anti-vibration mounts**, fitted as standard, keep sound levels to a minimum and prevent vibration transfer to the floor.
- **Choice of sound enclosures** to reduce sound levels by up to 10 dB(A), supplied fitted or as retrofit kits.

Providing exceptional performance and reliability, KAESER Eurocomp compressors ensure a quality compressed air supply that you can count on.

Quality compressor block from KAESER – Made in Germany

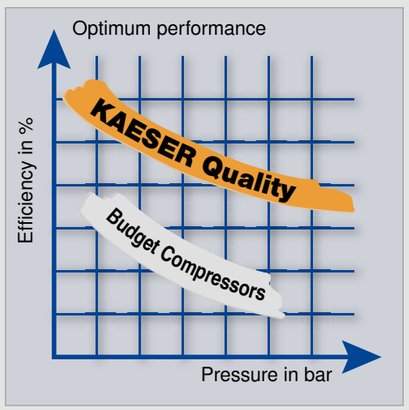
Made from premium grade materials and subjected to rigorous inspection, each Eurocomp compressor block component is meticulously machined and expertly assembled. Transmission losses are virtually eliminated, as the durable electric motor and compressor block are directly coupled to one another.

Corrosion-resistant valves

The valves in Eurocomp compressors feature stainless steel valve reeds and lift limiters which prevent carbon build up, improve discharge valve closure and extend operational life.

Highly effective cooling

Oil and compressed air temperatures are kept to a minimum by means of a large fan and cooling fins. This highly efficient cooling system significantly extends the life of the compressor and pneumatic tools.



Quality: Made in Germany

All KAESER Eurocomp compressor components, such as the compressor block and the electric motor, are made to the very highest standards of German design and engineering. As a result, Eurocomp compressor users benefit from greater system performance and considerably extended compressor service life. KAESER Eurocomp compressors are designed to provide many years of reliable service and to ensure a dependable supply of quality compressed air.

MADE IN GERMANY

KAESER COMPRESSORS

Quality Compressed Air for Trade and Industry

- Compact: Direct coupling of the drive motor to the compressor block
- Quality you can count on: Compressor block Made in Germany
- Versatile: The right compressor for every application

With sound enclosure
Also available as retrofit kit

Single stage, 10 bar,
from EPC 630-250

Two stage, 15 bar

Single stage, 10 bar,
from EPC 440-100

Air receiver
Internally coated

90 l
150 l
250 l

- Space saving design with vertical air receiver
- Low speed operation reduces sound levels and increases service life
- Sound enclosures available ready fitted or as retrofit kits

With sound enclosure
Also available as retrofit kit

Single stage, 10 bar,
from EPC 440-250 St

Single stage, 10 bar,
from EPC 630-250 St

Two stage, 15 bar St

Air receiver
Internally coated

250 l
350 l

EUROCOMP – Horizontal air receiver version without sound enclosure	Single stage, 10 bar								Two stage, 15 bar					
	EPC 340-100 *)	EPC 440-100 *)	EPC 630-100 *)	EPC 630-250	EPC 840-100 *)	EPC 840-250	EPC 1100-500	EPC 1500-500	EPC 150-2-100-F [4]	EPC 230-2-100	EPC 420-2-250	EPC 550-2-250	EPC 750-2-500	EPC 1000-2-500
Displacement	340	440	660		840		1100	1500	150	230	420	550	750	1000
Effective air delivery[1] at 6 bar l/min	230	300	440		590		770	1050	–		–		–	
Effective air delivery[1] at 8 bar l/min	215	280	410		544		715	975	116	192	344	460	620	836
Effective air delivery[1] at 12 bar l/min	–		–		–		–		112	118	336	450	610	820
Receiver volume	90		90	250	90	250	500		90		250		500	
Motor power[2] 400 V kW	1.7	2.4	3		4		5.5	7.5	1.1	1.7	3	4	5.5	7.5
Motor power[2] 230 V kW	–		–		–		–		1.25	–	–		–	
Number of cylinders	1	2	2		2		2		2		2		2	
Sound pressure level[3] dB(A)	64	64	76		78		80	80	69	69	76	78	80	80
Width mm	350	500	570		590	600	690	800	460	440	570	600	680	720
Length mm	1120		1150	1540	1150	1590	2050		1200	1140	1540	1590	2040	
Height mm	910	870	950	1130	960	1140	1300	1330	870		1190	1220	1330	1340
Weight kg	73	89	95	166	100	165	235	245	80	90	175	180	280	285
EUROCOMP – Horizontal air receiver version with sound enclosure														
Sound pressure level[3] dB(A)	56	56	67		68		70	72	–	61	67	68	70	72
Length mm	1150		1150	1540	1150	1590	2050		–	1170	1630	1710	2050	
Width mm	470		610		610		730		–	470	610		730	
Height mm	1000	1010	1080	1250	1080	1250	1410	1400	–	1000	1240	1260	1410	
Weight kg	123	125	155	230	160	230	345	352	–	130	245	247	444	447

[1] Effective delivery measured as per VDMA norm 4362 – [2] Electrical connection: 400 V, 3 Ph, 50 Hz; 230 V, 1 Ph, 50 Hz –
[3] Sound pressure level as per ISO 2151 and basic standard ISO 9614-2, tolerance: ± 3 dB(A) – [4] Mobile unit
*) With applicable type approval

EUROCOMP – Vertical air receiver version without sound enclosure	Single stage, 10 bar			Two stage, 15 bar						
	EPC 440-250	EPC 630-250	EPC 840-250	EPC 230-2-250	EPC 420-2-250	EPC 550-2-250	EPC 550-2-350	EPC 750-2-500	EPC 1000-2-500
Displacement	440	660	840	230	420	550		750	1000
Effective air delivery[1] at 6 bar l/min	300	440	590	–		–		–	
Effective air delivery[1] at 8 bar l/min	280	410	544	192	344	460		620	836
Effective air delivery[1] at 12 bar l/min	–			188	336	450		610	820
Receiver volume	250			250		250	350	500	
Motor power[2] 400 V kW	2.4	3	4	1.7	3	4		5.5	7.5
Number of cylinders	2			2		2		2	
Sound pressure level[3] dB(A)	64	76	78	76		78		80	80
Width mm	640	640		640		670	730	910	
Length mm	730	710		730	710	710	740	940	
Height mm	1720	1810	1820	1720	1890	1920	1990	2060	2080
Weight kg	125	150	156	150	175	177	190	325	
EUROCOMP – Vertical air receiver version with sound enclosure									
Sound pressure level[3] dB(A)	56	67	68	66	67	68	68	70	72
Length mm	810	920		810	920		920	1090	
Width mm	470	640		640	640		730	920	
Height mm	1900	1970		1900	1970		2040	2140	
Weight kg	160	230	235	200	250	258	313	395	400

[1] Effective delivery measured as per VDMA norm 4362 – [2] Electrical connection: 400 V, 3 Ph, 50 Hz
[3] Sound pressure level as per ISO 2151 and basic standard ISO 9614-2, tolerance: ± 3 dB(A)

Base-mounted compressors for detached installation

- The compressor unit and the compressor can also be installed separately
- Optionally ready fitted with sound enclosure (also available as retrofit kit)
- Available single or two stage compression to meet all compressed air needs

With sound enclosure
Also available for retrofit

Two stage, 15 bar

Single stage, 10 bar

EUROCOMP – Base-mounted compressors without sound enclosure		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
Displacement		350	440	660	840	1100	1500	150	230	420	550	750	1000
Effective air delivery[1] at 6 bar	l/min	230	300	440	590	770	1050	—		—		—	
Effective air delivery[1] at 8 bar	l/min	215	280	410	544	715	975	116	192	344	460	620	836
Effective air delivery[1] at 12 bar	l/min	—		—		—		112	188	336	450	610	820
Motor power[2] 400 V	kW	1.7	2.4	3	4	5.5	7.5	1.1	1.7	3	4	5.5	7.5
Number of cylinders		1	2	2		2		2		2		2	
Sound pressure level[3]	dB(A)	64	64	75	78	79	80	69	69	75	77	79	80
Width	mm	330	500	570	590	690	800	430	440	570	600	670	720
Length	mm	520		640		800	810	510	520	640		800	800
Height	mm	510	440	540	550	610	650	440		580	610	630	650
Weight	kg	40	50	70		100	130	40	45	70	95	125	130
Control and connecting components incl. hose		•	•	•	•	•	•	•	•	•	•	•	•
EUROCOMP – Base-mounted compressors with sound enclosure													
Sound pressure level[3]	dB(A)	54	54	67	72	70	74	59	59	67	68	70	72
Length	mm	810		920		1090		810		920		1090	
Width	mm	470		610		730		470		610		730	
Height	mm	640		730		800		640		730		800	
Weight	kg	95	100	130		240	260	95	100	160	170	265	270

[1] Effective delivery measured as per VDMA norm 4362 – [2] Electrical connection: 400 V, 3 Ph, 50 Hz
[3] Sound pressure level as per ISO 2151 and basic standard ISO 9614-2, tolerance: ± 3 dB(A)

Suited to a wide variety of applications, Eurocomp compressors provide the user with a highly versatile and reliable source of quality compressed air.

Standard Equipment

Compressor

- Air cooled compressor block with oil ring lubrication (splash oil lubrication up to 2.4 kW)
- Air inlet filter with silencer
- Aluminium cylinder heads and additional cooling pipes ensure excellent heat dissipation
- Multi-chamber, aluminium ring cooler; also serves as a fan guard (3 kW model upwards)
- Low noise, lightweight reed valves
- Oil filler, oil vent, oil drain plug and oil level sight glass
- Motor directly coupled to the compressor block
- Compressor, motor and air receiver fitted with anti-vibration mounts, flexible hose connection between compressor and air receiver
- Anti-vibration mounts between air receiver and floor

Motor

- Four-pole, 1500 rpm, three-phase 400 V/50 Hz
- IP 54 enclosure protection, B 15 construction
- Integrated axial fan for compressor and motor cooling

Optional extras (additional cost)

- Sound enclosure
- Operating hours counter
- Alarm contact
- Electronic condensate drain installed on the air receiver
- Screw adjustable machine feet, or guide rollers
- Foodstuff compliant, synthetic or silicon-free oil
- Power cable with / without plug
- Oil level monitor with automatic shutdown if oil level is too low

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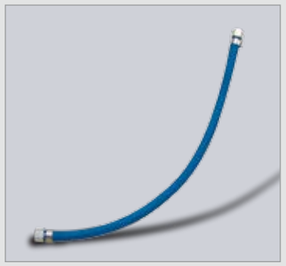
Accessories

Star-delta "Start Control"

Control cabinet with automatic star-delta protection combination. Dust and water resistant as per IP 54. With operating hours counter and KAESER CONTROL monitoring module (necessary for motor powers from 5.5 kW).

Electronic condensate drain for retrofit installation

Level-sensing controlled ECO DRAIN condensate drain. Complete set for installation on air receiver. Including all assembly components and fittings.



Compressed air hose

Flexible hose for connection of the air receiver to the compressed air distribution network (hose length 1 m).

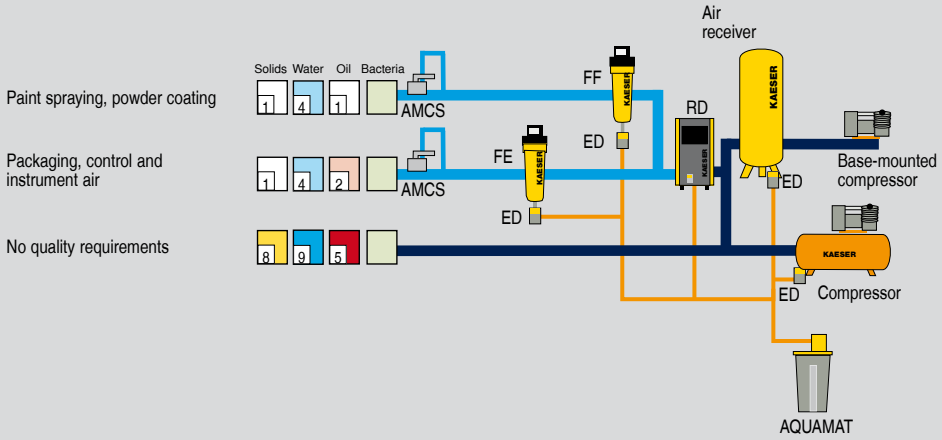
Compressed air storage and drying

Galvanised air receiver as per EC-regulation 87/404. Standard fittings comprise: Check valve, type-approved pressure relief valve, pressure gauge, test flange, ball valve. Energy-saving refrigeration dryer for dry compressed air.

Choose the required grade of treatment according to your field of application:

Air treatment using a refrigeration dryer (pressure dew point +3 °C)

Examples: Selection of treatment classes to ISO 8573-1



Explanation	
ED	ECO DRAIN
FE/FF	Microfilter
RD	Refrigeration dryer
Aquamat	Aquamat
AMCS	Air-main charging system

Compressed air quality classes to ISO 8573-1(2010):

Solid particles / dust

Class	Max. particle count per m³ of a particle size with d [µm]*		
	0.1 ≤ d ≤ 0.5	0.5 ≤ d ≤ 1.0	1.0 ≤ d ≤ 5.0
0	e.g. Consult KAESER regarding pure air and cleanroom technology		
1	≤ 20,000	≤ 400	≤ 10
2	≤ 400,000	≤ 6,000	≤ 100
3	not defined	≤ 90,000	≤ 1,000
4	not defined	not defined	≤ 10,000
5	not defined	not defined	≤ 100,000

Class	Particle concentration C_P [mg/m³]*
6	$0 < C_P \leq 5$
7	$5 < C_P \leq 10$
X	$C_P > 10$

Water

Class	Pressure dew point [°C]
0	e.g. Consult KAESER regarding pure air and cleanroom technology
1	≤ – 70 °C
2	≤ – 40 °C
3	≤ – 20 °C
4	≤ + 3 °C
5	≤ + 7 °C
6	≤ + 10 °C

Class	Concentration of liquid water C_W [g/m³]*
7	$C_W \leq 0.5$
8	$0.5 < C_W \leq 5$
9	$5 < C_W \leq 10$
X	$C_W \leq 10$

Oil

Class	Total oil concentration (fluid, aerosol + gaseous) [mg/m³]*
0	e.g. Consult KAESER regarding pure air and cleanroom technology
1	≤ 0.01
2	≤ 0.1
3	≤ 1.0
4	≤ 5.0
X	> 5.0

*) At reference conditions 20 °C, 1 bar(a), 0% humidity

LGA InterCert
Certified QM/EM System
ISO 9001:2008 / ISO 14001:2004

KAESER Kompressoren AG

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P-314ED.16/12 Specifications are subject to change without notice