

EUROCOMP Series

FADs from 112 to 1050 l/min
Pressure: 10 and 15 bar



EUROCOMP – more quality

What do you expect from your workman's compressor?

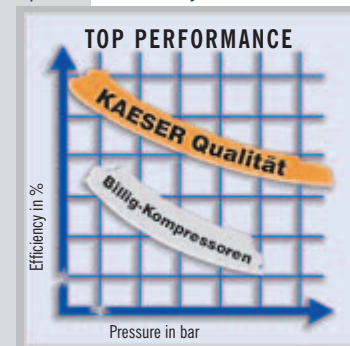
The quality and cost-effectiveness of a craftsman's work is dependent to a large degree on the tools and machinery used. KAESER's Eurocomp series of stationary reciprocating compressors have successfully served trade and industry for decades. The choice of horizontal, vertical or free-standing air receiver allows these efficient compressors to be installed in any situation.

KAESER Eurocomp compressors offer

- the KAESER-quality compressor block "made in Germany" from quality materials, precision finished, meticulously inspected and expertly assembled for reliable performance and long life;
- **cool compressed air** thanks to an efficient aluminium aftercooler that also serves as a fan guard;
- **maintenance-free power transmission** from a motor fitted directly to the block;
- **double antivibration mounts** keep noise to a minimum and prevent vibration through the floor;
- **choice of sound enclosures** to reduce noise levels by 10 to 15 dB (A) supplied fitted or as retrofit kits

KAESER Eurocomp puts a tool in the workman's hand that can be thoroughly relied upon, year after year.

Up to 82 % efficiency



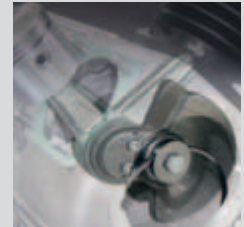
100% duty cycle



KAESER-quality compressor block made in Germany

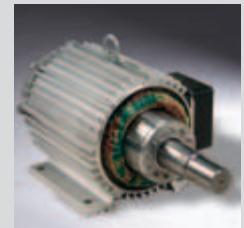


All parts are made from quality materials. They are meticulously inspected and expertly assembled. The result is a durable air compressor with impressive performance.



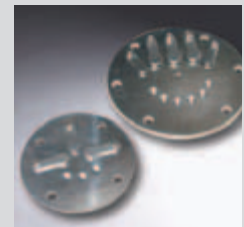
Maintenancefree power transmission

The electric motor is flanged directly onto the block. There is no maintenance requirement for the coupling.



Rugged electric motor

Heavy duty bearings contribute to motor durability. These motors are noted for their qualitatively high-grade components.



Non-corroding valves

Eurocomp air compressors feature stainless steel valve reeds with lift limiter. This prevents carbon build-up, improves discharge valve closure and extends operational life.



Highly effective cooling

Oil and compressed air temperatures are kept at a minimum by means of a large fan and adequate cooling fins on the cylinder and cylinder head. This highly efficient cooling system extends the life of the compressor and the pneumatic tools.

Quality, made in Germany

The main components of all KAESER Eurocomp compressors such as the compressor block and the electric motor are made in Germany in craftsman's quality.

This high standard of quality ensures a far better Eurocomp air performance and a multiple extension of operating life.

KAESER Eurocomp air compressors are designed for years and years of hard use in workshops and on all kinds of building sites.

Quality for trade and industry

Horizontal and vertical EUROCOMP air compressors



EUROCOMP Technical Specification (horizontal air receiver)

EUROCOMP model	two-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 ⁵⁾	EPC 230-2-100	EPC 420-2-250	EPC 550-2-250	EPC 750-2-500	EPC 1000-2-500		
Displacement	l/min	350	450	660		840	1100	1500	150	230	420	550	750	1000		
Free air delivery ¹⁾ at 6 bar	m³/min	230	300	440		590	770	1050	—	—	—	—	—	—		
Free air delivery ¹⁾ at 8 bar	m³/min	215	280	410		544	715	975	116	192	344	460	620	836		
Free air delivery ¹⁾ at 12 bar	m³/min	—	—	—		—	—	—	112	188	336	450	610	820		
Receiver volume	l	90		90	250	90	250	500	90		250		500			
Air receiver inner coating		•		•		•		—	•		•		—			
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		2			
Sound pressure level ³⁾	dB(A)	79	75	76		78	80	82	75	76	76	78	80	82		
Length	mm	1160		1160	1600	1160	1650	2050	1175	1100	1630	1635	2010	2040		
Width	mm	380	500	570	570	580	600	690	500	445	570		700	700		
Heigh	mm	910	860	980	1120	1000	1130	1300	820	800	1190	1220	1265	1270		
Weight	kg	65	75	80	150	85	155	235	80	80	180		280	285		
With sound enclosure ⁴⁾	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 ⁵⁾	EPC 230-2-100	EPC 420-2-250	EPC 550-2-250	EPC 750-2-500	EPC 1000-2-500		
	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.		
Sound pressure level ³⁾	dB(A)	66		67		68	70	72	65	66	67	68	70	72		
Length	mm	1160		1170	1600	1170	1650	2050	1160		1630	1690	2010			
Width	mm	470		470	620	610		730	470		610	650	745			
Height	mm	1000		1150	1260	1150	1240	1410	1000		1240	1210	1425			
Weight	kg	120	125	130	230	135	230	345	165	175	250		480	500		
Enclosure retrofit kit	○ 4)	○ 4)		○				○	—	○	○		○			
Automatic star-delta starter		not required, direct start with overload protection cutout							○	not required, direct start with overload protection cutout				○		
Air connection - 1m hose		6mm hose with coupling		○				○	6mm hose with coupling		○		○			

1) Free air delivery measured according to VDMA- sheet 4362. 2) Power supply: **400V**, 3Ph, 50Hz; **230V**, 1Ph, 50Hz. 3) Free field measurement to DIN 45635 at 1 m distance. 4) Sound enclosure for the complete unit. 5) Mobile version — not available ○ option/accessory • standard *) with type approval – no official certification required

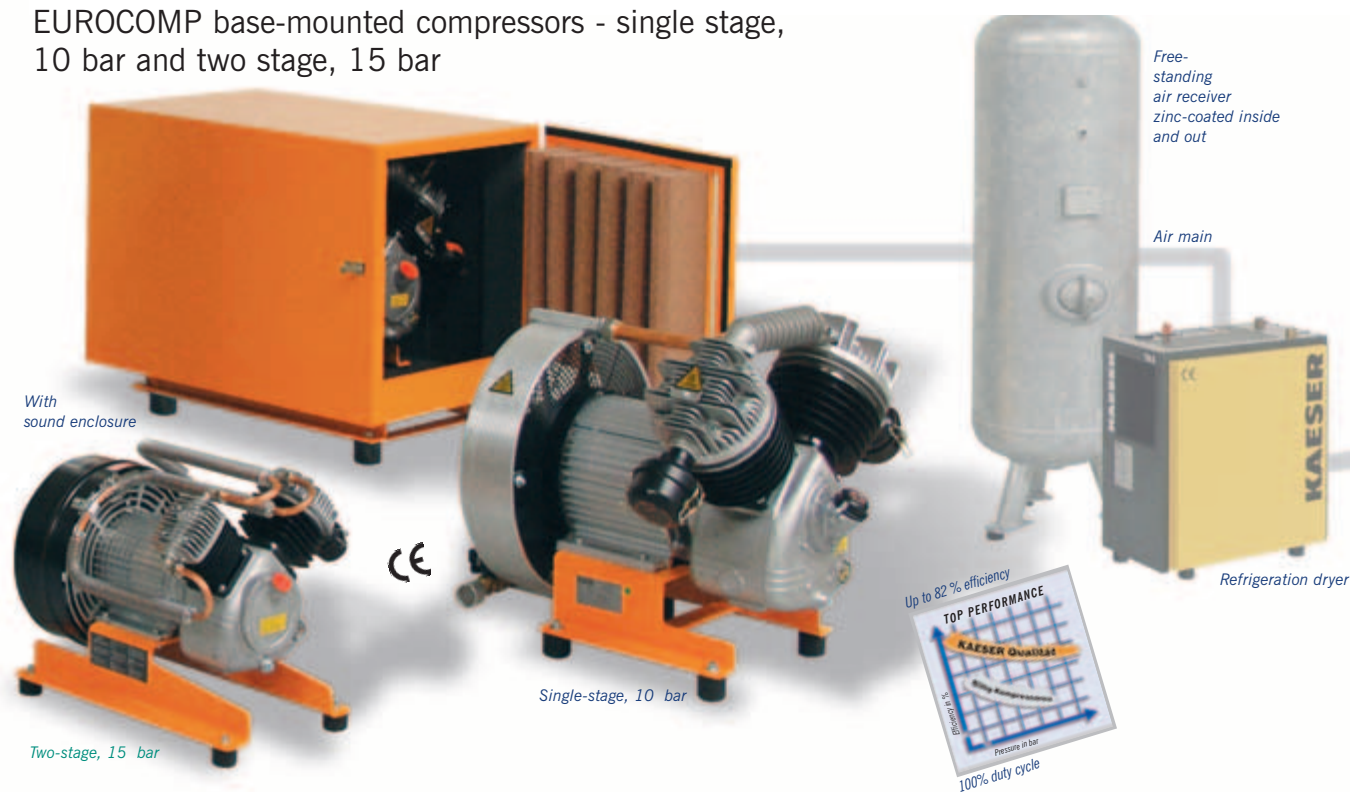
EUROCOMP Technical Specification (vertical air receiver)

EUROCOMP model	two-stage, 10 bar			two-stage, 15 bar					
	EPC 440-250 St	EPC 630-250 St	EPC 840-250 St	EPC 230-2-250 St	EPC 420-2-250 St	EPC 550-2-250 St	EPC 550-2-350 St	EPC 750-2-500 St	EPC 1000-2-500 St
Displacement	l/min	450	660	840	230	420	550	750	1000
Free air delivery ¹⁾ at 6 bar	m³/min	300	440	590	—	—	—	—	—
Free air delivery ¹⁾ at 8 bar	m³/min	280	410	544	192	344	460	620	836
Free air delivery ¹⁾ at 12 bar	m³/min	—	—	—	188	336	450	610	820
Receiver volume	l	—	250	—	250	—	250	350	500
Air receiver inner coating		•	•	•	•	•	•	•	•
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	2	2	2	2
Sound pressure level ³⁾	dB(A)	77	76	78	76	78	78	80	82
Length	mm	—	650	—	720	—	720	820	910
Width	mm	680	700	680	650	—	700	790	910
Height	mm	1710	1800	1810	1635	1840	1880	1889	2015
Weight	kg	125	145	150	150	175	180	250	325
with sound enclosure ⁴⁾	EPC 440-250 St	EPC 630-250 St	EPC 840-250 St	EPC 230-2-250 St	EPC 420-2-250 St	EPC 550-2-250 St	EPC 550-2-350 St	EPC 750-2-500 St	EPC 1000-2-500 St
	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.	m. H.
Sound pressure level ³⁾	dB(A)	67		68	66	67	68	70	72
Length	mm	—	650	—	650	680	680	790	910
Width	mm	780	920	—	800	925	925	—	1090
Height	mm	1900	1960	—	1800	1950	1935	2000	2100
Weight	kg	160	225	220	200	250	250	295	440
Enclosure retrofit kit		○			○				○
Autom. Star-Delta starter		not required, direct start with motor overload cutout			not required, direct start with motor overload cutout				
Air connection - 1m hose		○			○		○		○

1) Free air delivery measured according to VDMA- sheet 4362. 2) Power supply: **400V**, 3Ph, 50Hz. 3) Free field measurement to DIN 45635 at 1 m distance. 4) Sound enclosure over the complete unit. — not available ○ option/accessory • standard

Base mounted compressors for detached installation

EUROCOMP base-mounted compressors - single stage, 10 bar and two stage, 15 bar



Technical Specification (EUROCOMP base-mounted compressors)

EUROCOMP model		two-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	l/min	350	450	660	840	1100	1500	150	230	420	550	750	1000
Free air delivery ¹⁾ at 6 bar	m³/min	230	300	440	590	770	1050	—	—	—	—	—	—
Free air delivery ¹⁾ at 8 bar	m³/min	215	280	410	544	715	975	116	192	344	460	620	836
Free air delivery ¹⁾ at 12 bar	m³/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)	76	77	76	78	80	82	75	76	76	78	80	82
Length	mm	515	510	620	630	800	790	510	—	620	630	840	800
Width	mm	300	480	580	595	690	760	430	445	570	600	670	720
Height	mm	550	455	530	540	590	645	420	433	590	610	597	650
Weight	kg	35	50	70	—	100	145	40	45	70	95	125	130
Control and connecting parts hose		○	○	○	○	○	○	○	○	○	○	○	○
With sound enclosure ⁴⁾		EPC 340-G m. H.	EPC 440-G m. H.	EPC 630-G m. H.	EPC 840-G m. H.	EPC 1100-G m. H.	EPC 1500-G m. H.	EPC 150-2-G m. H.	EPC 230-2-G m. H.	EPC 420-2-G m. H.	EPC 550-2-G m. H.	EPC 750-2-G m. H.	EPC 1000-2-G m. H.
Sound pressure level ³⁾	dB(A)	66	67	67	68	70	72	65	66	67	68	70	72
Length	mm	780	—	920	—	1080	1090	785	—	925	920	1190	—
Width	mm	470	—	620	—	730	—	490	—	610	—	730	—
Height	mm	620	—	720	—	800	—	625	—	740	720	835	—
Weight	kg	90	100	145	160	240	260	95	100	160	185	260	265
Control and connecting parts without hose		—	○	—	—	○	—	—	○	—	—	○	—
Free-standing zinc-coated air receiver		—	○	—	—	○	—	—	○	—	—	○	—
Basic kit of fittings		—	○	—	—	○	—	—	○	—	—	○	—
Automatic star-delta starter		not required, direct start with overload protection cutout	—	—	—	○	—	not required, direct start with overload protection cutout	—	—	—	○	—
Enclosure retrofit kit		—	○	—	—	○	—	—	○	—	—	○	—

¹⁾ Free air delivery measured according to VDMA- sheet 4362. ²⁾ Power supply: **400V**, 3Ph, 50Hz. ³⁾ Free field measurement to DIN 45635 at 1 m distance.
⁴⁾ Sound enclosure for the complete unit.. — not available option/accessory

EUROCOMP - Standard Equipment

The EUROCOMP compressor provides the user with a high quality, versatile and reliable source of compressed air for a multitude of applications.

KAESER KOMPRESSOREN stands for:



- comprehensive worldwide service organisation
- fast and reliable on-site service from qualified dealers with factory-trained personnel
- quality management system certified to ISO 9001
- the comprehensive expertise of a compressed air system supplier: compressors up to 450 kW, all your air treatment needs, rotary blowers and vacuum pumps

Compressor

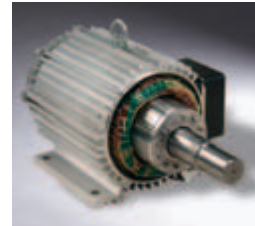
- Air cooled compressor block with oil ring lubrication (splash oil lubrication up to 2.4 kW)
- Air inlet filter with silencer
- Aluminium cylinder heads and additional cooling pipes ensuring excellent heat dissipation
- Multi-chamber, aluminium ring cooler also serving as a fan guard (3 kW model upwards)
- Low noise, low mass 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



Fan with efficient ring cooler

Motor

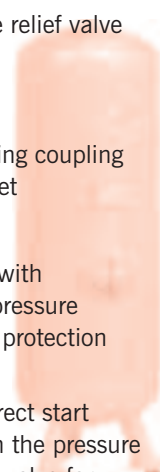
- Four-pole, 1500 min⁻¹, three phase 400 V, 50 Hz
- IP 54 enclosure protection, B 15 construction
- Integrated axial fan cooling for both motor and compressor



Rugged, industrial standard motor

Air receiver

- to EU directive 87/404
- Check valve
- Type-approved pressure relief valve
- Pressure gauge
- Test flange
- Quick-release, self-closing coupling or ball valve for air outlet
- Condensate drain
- Compressor regulation with adjustable membrane pressure switch; motor overload protection switch
- Unloaded starting in direct start with unloading valve on the pressure switch or with solenoid valve for star-delta start



Accessories

- Flexible hose connecting the the air receiver to the air main
- Automatic star-delta contactor combination (needed for motor powers above 5.5 kW)
- Complete ECO-DRAIN set for onsite mounting on the air receiver



1m connecting hose



Star-delta starter to IP 54

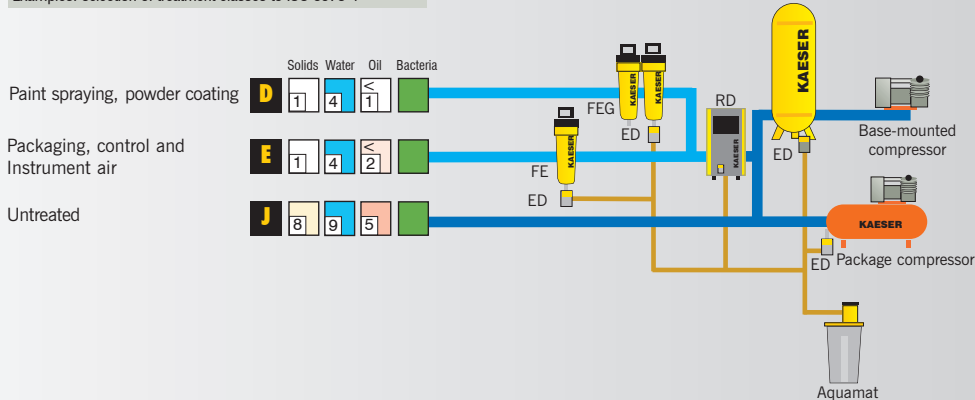


ECO DRAIN condensate drain with pipe connection and ball valve

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

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

Examples: selection of treatment classes to ISO 8573-1



Explanation:

ED = ECO Drain
electronic level-controlled condensate drain

FB = prefilter 3 µm
separates liquid droplets and solid particles >3 µm, oil content ≤5 mg/m³

FC = prefilter 1 µm
separates oil droplets and solid particles >1 µm, oil content ≤1 mg/m³

FE = microfilter 0.01 ppm
separates oil mist and solid particles >0.01 µm, aerosol oils ≤0.01 mg/m³

FG = activated carbon filter
for adsorption of oil vapours, oil vapour content ≤0.003 mg/m³

FEG = activated carbon microfilter combination
comprising FE and FG

RD = refrigeration dryer
pressure dew point to +3 °C

Aquamat = condensate treatment system

DM = membrane dryer

Contaminants:

+	solids	-
+	water	-
+	oil	-
+	bacteria	-

Degree of filtration:

ISO 8573-1 Class	Solid particles					Humidity Pressure dew point (x = liquid water in g/m³)	Overall oil content mg/m³
	Max. no. of particles per m³ with size d (µm)	µm	mg/m³	µm	mg/m³		
1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ -70 °C	≤ 0.01
2	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ -40 °C	≤ 0.1
3	≤ 100000	1000	10	≤ 10	≤ 10	≤ -20 °C	≤ 1.0
4	≤ 10000	500	5	≤ 5	≤ 5	≤ +3 °C	≤ 5.0
5	≤ 1000	100	1	≤ 1	≤ 1	≤ +7 °C	≤ 5.0
6	≤ 100	10	0.1	≤ 0.1	≤ 0.1	≤ +10 °C	≤ 5.0
7	≤ 10	1	0.01	≤ 0.01	≤ 0.01	x ≤ 0.5	≤ 5.0
8	≤ 1	0.1	0.001	≤ 0.001	≤ 0.001	0.5 < x ≤ 5.0	≤ 5.0
9	≤ 0.1	0.01	0.0001	≤ 0.0001	≤ 0.0001	5.0 < x ≤ 10.0	≤ 5.0

- A** Oil vapour content ≤ 0.003 mg/m³, particle retention > 0.01 µm, sterile, odourless and tasteless
- B** Oil vapour content ≤ 0.003 mg/m³, particle retention > 0.01 µm
- C** Oil vapour content ≤ 0.003 mg/m³, particle retention > 1 µm

- D** Aerosol oil ≤ 0.001 mg/m³, particle retention > 0.01 µm
- E** Aerosol oil ≤ 0.01 mg/m³, particle retention > 0.01 µm
- F** Aerosol oil ≤ 0.01 mg/m³, particle retention > 1 µm
- G** Aerosol oil ≤ 1 mg/m³, particle retention > 1 µm

- H** Aerosol oil ≤ 5 mg/m³, particle retention > 3 µm
- I** Aerosol oil ≤ 5 mg/m³, particle retention > 1 µm
- J** Untreated