

HPC

KAESER
COMPRESSORS®



Portable Compressors

MOBILAIR® M13 – M350

With the world-renowned SIGMA PROFILE

Flow rate 1.2 to 34.0 m³/min (42 – 1200 cfm)

www.hpccompressors.co.uk

MOBILAIR – KAESER quality and efficiency for every need



Compressed air as a versatile energy source

With nearly a century of experience in machine construction and engineering, KAESER KOMPRESSOREN is one of the world's leading compressor manufacturers and compressed air systems providers. KAESER's comprehensive range of products and services ensures that all compressed air systems users are provided with a solution that meets their exact requirements.



Made in Germany

MOBILAIR portable compressors are manufactured at KAESER's headquarters located in Coburg, Northern Bavaria. Equipped with the very latest technology, the recently modernised portable compressor plant boasts state-of-the-art equipment, including a TÜV (German Technical Inspection Agency) certified sound testing area for free-field sound level measurement, a complete powder-coating facility and efficient manufacturing logistics.



SIGMA PROFILE

Every KAESER rotary screw air end is equipped with energy-saving SIGMA PROFILE rotors. Meticulous manufacture and precision-aligned roller-bearings ensure long service life with maximum reliability.



Excellent accessibility, optimum serviceability

MOBILAIR portable compressors are simple to operate and provide excellent component accessibility. This makes service work fast and efficient. Customised service contracts are also available upon request.

KAESER portfolio

Compressed air system solutions for every application

Rotary screw compressors	Oil-free compression rotary screw compressors	Rotary lobe blowers
Rotary screw blowers	Compressed air management systems	Portable compressors
Reciprocating compressors	Air treatment and condensate technology	Compressed air storage and pressure maintenance
Analysis and advice	SIGMA AIR UTILITY operator model	Service

Compact powerhouses

with petrol engines up to 15 bar



Even the smallest MOBILAIR compressors are more than capable of powering breakers, drills, saws, grinders, impact wrenches and impact borers. The 15-bar version is the ideal choice for trenchless laying of glass fibre cables or for leakage tests. In addition, the compressor can be equipped with an external aftercooler or filter combination to deliver cool and condensate-free compressed air.



MOBILAIR M13
with external filter combination

Portable compressors

with the patented Anti-Frost Control



Just like their larger counterparts, MOBILAIR portable compressor models with flow rates ranging from 2 to 5.6 m³/min also ensure dependable performance even in cold conditions: KAESER's patented Anti-Frost Control automatically adjusts operating temperature according to ambient temperature. Together with the optional tool lubricator, this not only prevents tools from freezing, but also extends air tool service life and availability.



MOBILAIR M20 PE

Technical specifications

Model	Flow rate at operating pressure					Engine	Rated engine power kW	Fuel tank capacity l	Operational weight kg	Air connection	Compressed air treatment
	100 psi 7 bar	145 psi 10 bar	175 psi 12 bar	190 psi 13 bar	215 psi 15 bar						
M13	m ³ /min	1.2	1.0	0.9	0.85	Honda GX 630	15.5	20	202	1 x G ½	Optional
	cfm	42	35	32	30						
M15*	m ³ /min	1.4	-	-	-	Honda GX 630	15.5	20	202	1 x G ½	Optional
	cfm	50	-	-	-						
M17	m ³ /min	1.6*	-	-	-	Honda GX 630	15.5	20	204	1 x G ½	Optional
	cfm	57	-	-	35						

* Only for export outside the EU

Technical specifications

Model	Flow rate at operating pressure				Engine	Rated engine power kW	Fuel tank capacity l	Operational weight kg	Air connection	Compressed air treatment	Generator option
	100 psi 7 bar	145 psi 10 bar	175 psi 12 bar	200 psi 14 bar							
M20	m ³ /min	2.0	-	-	Kubota D722	14	30	457	2 x G ¾	-	-
	cfm	71	-	-							
M27	m ³ /min	2.6	-	-	Kubota D1105	17.9	40	575	2 x G ¾	Optional	6.5 kVA
	cfm	92	-	-							
M31	m ³ /min	3.15	2.6	2.3	Kubota D1105-T	24.1	40	580	2 x G ¾	Optional	6.5 kVA
	cfm	110	92	81							
M43	m ³ /min	4.2	-	-	Kubota V1505-T	30.1	80	730	2 x G ¾	-	-
	cfm	150	-	-							
M50	m ³ /min	5.0	-	-	Kubota V1505-T	32.5	80	735	2 x G ¾ 1 x G 1	Optional	-
	cfm	180	-	-							
M57utility	m ³ /min	5.1	4.35	-	Kubota V2403	36	105	980	2 x G ¾ 1 x G 1	Optional	-
	cfm	180	155	-							
M57utility*	m ³ /min	5.4	4.7	-	Kubota V2403	36	105	980	2 x G ¾ 1 x G 1	Optional	-
	cfm	190	165	-							
M57	m ³ /min	5.6	-	-	Kubota V2403	36	105	1225	2 x G ¾ 1 x G 1	-	-
	cfm	200	-	-							
M58utility	m ³ /min	5.1	4.35	-	Kubota V2403-CR	36	105	1020	2 x G ¾ 1 x G 1	Optional	-
	cfm	180	155	-							
M58	m ³ /min	5.6	4.7	-	Kubota V2403-CR	36	105	1340	2 x G ¾ 1 x G 1	Optional	-
	cfm	200	165	-							

* Only for export outside the EU

Exceptional power and versatility

Compressed air and more...



The MOBILAIR portable compressors in this product group provide exceptional versatility. Optionally available with synchronous generators and/or compressed air treatment components, these compressors are also offered in various maximum pressure versions.



MOBILAIR M115

Efficiency and performance

with SIGMA CONTROL SMART or SIGMA CONTROL MOBIL



The innovative SIGMA CONTROL SMART and SIGMA CONTROL MOBIL compressor controllers are easy to operate and help achieve significant fuel savings for MOBILAIR compressors with flow rates up to 34.0 m³/min thanks to perfect matching of engine and compressor performance.



MOBILAIR M350

Technical specifications

Model	Flow rate at operating pressure					Engine	Rated engine power kW	Fuel tank capacity l	Operational weight kg	Air connection	Compressed air treatment	Generator option
	100 psi 7 bar	125 psi 8.6 bar	145 psi 10 bar	175 psi 12 bar	200 psi 14 bar							
M36	m³/min	3.9	-	-	-	Kubota V2403	36	80	1145	2 x G ¾ 1 x G 1	Optional	13 kVA ²⁾
	cfm	135	-	-	-							
M45	m³/min	4.2	-	4.15	-	Kubota V2203	35.4	80	1060	2 x G ¾ 1 x G 1	Optional	8.5 kVA
	cfm	150	-	145	-							
M52	m³/min	5.2	-	-	-	Kubota V2203	35.4	105	1225	2 x G ¾ 1 x G 1	Optional	8.5 kVA
	cfm	185	-	-	-							
M70 ¹⁾	m³/min	7.0	-	5.4	-	Kubota V2003-T	43.3	105	1230	2 x G ¾ 1 x G 1	Optional	-
	cfm	250	-	190	-							
M100 ¹⁾	m³/min	10.2	-	8.5	7.2	Kubota V3800-DI-T	71.7	150	1480	3 x G ¾ 1 x G 1½	Optional	8.5/13 kVA
	cfm	360	-	300	255							
M122 ¹⁾	m³/min	11.1	10.1	9.5	8.2	Deutz TCD 2012 L04	83	170	1865	3 x G ¾ 1 x G 1½	Optional	-
	cfm	390	355	335	290							
M123 ¹⁾	m³/min	-	11.4	10.8	9.7	Deutz TCD 2012 L04	88	170	1945	3 x G ¾ 1 x G 1½	Optional	-
	cfm	-	405	380	345							
M81	m³/min	8.4	-	6.8	6.1	Deutz TD 2.9	55.4	140	1570	3 x G ¾ 1 x G 1½	Optional	-
	cfm	295	-	240	215							
M82	m³/min	8.4	-	6.8	6.1	Kubota V 3307-CR-T	54.6	140	1580	3 x G ¾ 1 x G 1½	Optional	8.5/13 kVA
	cfm	295	-	240	215							
M115	m³/min	11.5	10.5	9.7	8.4	Kubota V3800-CRS-TI	83.5	145	1850	3 x G ¾ 1 x G 1½	Optional	8.5/13 kVA
	cfm	405	370	345	295							

¹⁾ Only for export outside the EU
²⁾ Standard

Technical specifications

Model	Flow rate at operating pressure					Engine	Rated engine power kW	Fuel tank capacity l	AdBlue tank capacity l	Operational weight kg	Air connection	Compressed air treatment	Generator option
	100 psi 7 bar	125 psi 8.6 bar	145 psi 10 bar	175 psi 12 bar	200 psi 14 bar								
M135 ¹⁾	m³/min	-	-	13.0	12.0	Deutz TCD 2013 L04	122	200	-	2500	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	-	460	425								
M170 ¹⁾	m³/min	-	17.0	15.5	13.5	Deutz TCD 2012 L06	128	200	-	2600	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	600	550	475								
M200 ¹⁾	m³/min	21.2	19.7	18.0	16.0	Caterpillar C 6.6 ACERT	146	270	-	3235	3 x G ¾ 1 x G 2	Optional	-
	cfm	750	700	640	565								
M235 ¹⁾	m³/min	-	23.3	22.6	19.8	Cummins QSB 6.7	201	450	-	3230	1 x G ¾ 2 x G 2	Optional	-
	cfm	-	825	800	700								
M250 ¹⁾	m³/min	-	26.3	25.0	22.5	Mercedes Benz OM 926 LA	210	250	-	3400	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	930	885	795								
M350 ¹⁾	m³/min	-	34.0	31.0	27.3	Mercedes Benz OM 501 LA	260	650	-	5910	1 x G 2½ 2 x G 1	Optional	-
	cfm	-	1200	1095	965								
M125 ²⁾	m³/min	11.5	11.5	11.5	10.7	Deutz TCD 4.1 L04	105	170	10	2080	3 x G ¾ 1 x G 1½	Optional	13 kVA
	cfm	405	405	405	380								
M171 ³⁾	m³/min	-	17.0	15.5	13.5	Deutz TCD 6.1 L06	129	200	20	2800	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	600	550	475								
M250 ⁴⁾	m³/min	-	25.4	23.5	21.0	Mercedes Benz OM 936 LA	202	250	25	3780	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	900	830	740								
M350	m³/min	-	34.0	31.0	27.3	Mercedes Benz OM 501 LA	265	650	40	6200	1 x G 2½ 2 x G 1	Optional	-
	cfm	-	1200	1095	965								

¹⁾ Only for export outside the EU
²⁾ M125: Pressure range 6 – 14 bar with dynamic flow rate control
³⁾ M171: Pressure range 10 – 14 bar with dynamic flow rate control, pressure stage 8.6 bar fixed
⁴⁾ Weight specifications for standard unit with 4t chassis incl. compressed air brake and ABS / 3.5t run-on braked chassis available

e-power

The alternative, emissions-free drive for portable compressors



The new M27E, M31E and M50E portable compressors truly come into their own wherever an electrical power connection is available. Their whisper-quiet electric drive makes them the perfect choice for use in noise protection and low emission zones. Compressed air applications in tunnels and within buildings are tamed by the compressors' emissions-free drive.



Technical specifications

Model	Flow rate at operating pressure						Electric motor (400V)	Rated motor power	CEE power socket	Operational weight	Air connection	Compressed air treatment
	100 psi 7 bar	145 psi 10 bar	175 psi 12 bar	190 psi 13 bar	200 psi 14 bar	215 psi 15 bar						
M13E	m³/min	1.2	1.0	0.9	0.85	0.75	ABM	7.5	32	187	1 x G ½	Optional
	cfm	42	35	32	30	27						
M27E	m³/min	2.6	-	-	-	-	Siemens	15	32	530	2 x G ¾	Optional
	cfm	92	-	-	-	-						
M31E	m³/min	3.15	2.6	2.3	-	1.9	Siemens	22	63	585	2 x G ¾	Optional
	cfm	110	92	81	-	67						
M50E	m³/min	5.0	3.8	-	-	-	Siemens	25	63	690	2 x G ¾ 1 x G 1	Optional
	cfm	180	135	-	-	-						

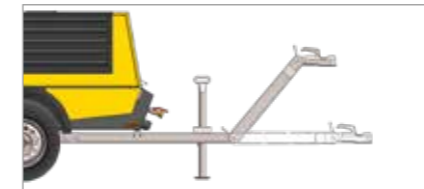
MOBILAIR options

- Standard
- Option

	M13 / M15 / M17	M20	M27 / M31	M36	M43	M45	M50	M52	M57	M58	M57 / M58utility	M70	M81 / M82 / M100	M115	M122	M123	M125	M135 / M170	M171	M200	M235	M250	M350	M13E	M27E / M31E	M50E
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Chassis

Can be pulled manually	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unbraked	-	●	●	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	●	●	-
Braked	-	○	○	●	○	●	○	●	●	●	-	●	●	●	●	●	●	●	●	●	-	●	●	-	○	○	-
Height-adjustable tow bar	-	●	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	-
Fixed tow bar	-	○	○	○	○	○	○	○	○	○	-	○	○	○	○	○	○	○	○	○	-	-	-	-	○	○	-
Stationary version	○	○	○	○	○	○	○	○	○	○	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Skids	-	○	○	○	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	-	○	○	-



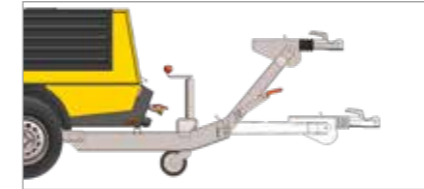
Height-adjustable tow bar without run-on and parking brake



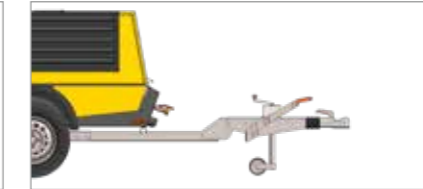
Fixed tow bar without run-on brake, with parking brake



Stationary version



Height-adjustable tow bar with run-on and parking brake



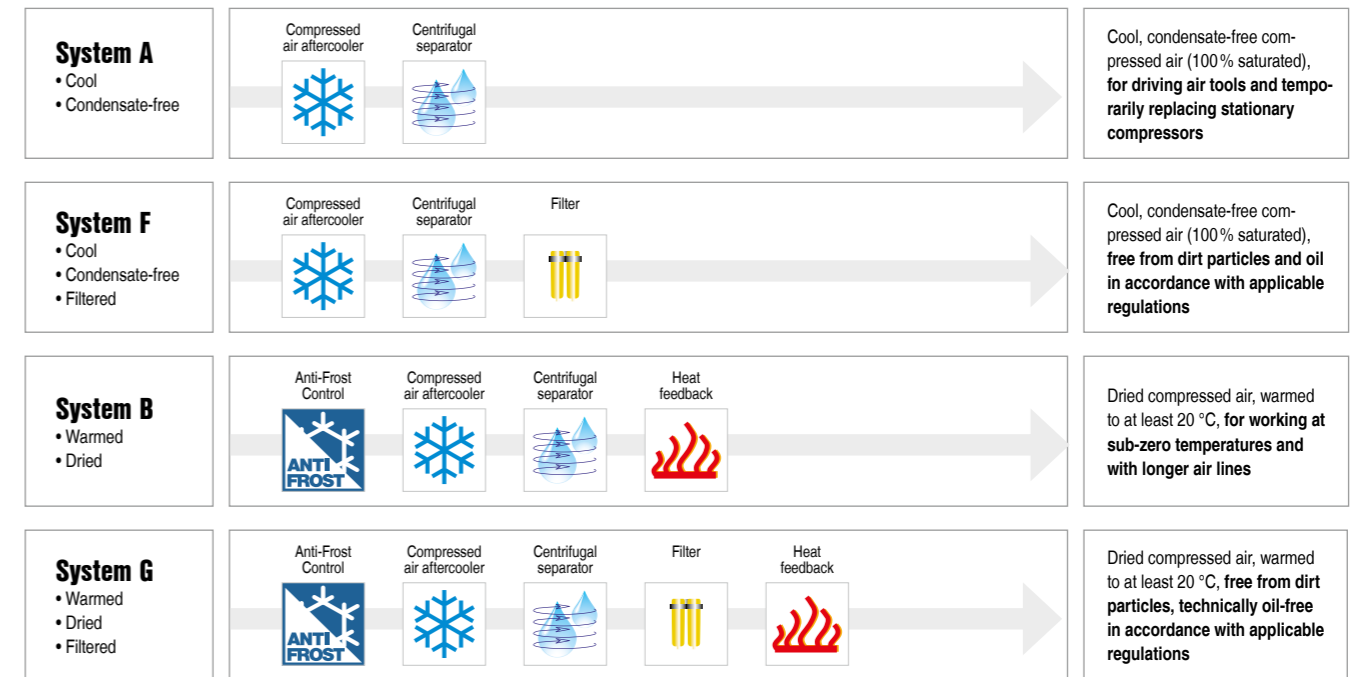
Fixed tow bar with run-on and parking brake



Skids

Compressed air treatment

Anti-Frost Control	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	●	●	
Aftercooler	○	-	○	○	-	○	○	○	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Microfilter combination	○	-	○	○	-	○	-	○	-	-	-	○	○	○	○	○	○	○	○	○	○	○	○	-	-	-	
Heat feedback	-	-	○	○	-	○	-	○	-	-	-	○	○	○	○	○	○	○	○	○	○	-	○	-	○	-	



Additional compressed air treatment systems are available upon request. Please contact KAESER for further details.

MOBILAIR options

- Standard
- Option

	M13 / M15 / M17	M20	M27 / M31	M36	M43 / M50	M45	M52	M57	M58	M57 utility	M59 utility	M70	M81	M82	M100	M115	M122	M123	M125	M135 / M170	M171	M200	M235	M250 IIIA	M250 IV	M350	M13E	M27E / M31E	M50E
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Generator

6.5 kVA	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5 kVA	-	-	-	-	-	○	○	-	-	-	-	-	-	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 kVA	-	-	-	●	-	-	-	-	-	-	-	-	-	○	○	○	-	-	○	-	-	-	-	-	-	-	-	-	-	-
Generator panel cover	-	-	-	○	-	○	○	-	-	-	-	-	-	○	○	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-

Equipment

Special colour	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PE enclosure	●	○	○	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	○
SIGMA CONTROL MOBIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	-	●	●	●	-	-	-	-
SIGMA CONTROL SMART	-	-	-	-	-	-	-	-	●	●	●	-	●	●	-	●	-	-	-	-	-	-	●	-	-	-	-	●	●	-
Control panel cover	-	-	-	-	-	-	○	○	●	●	●	○	●	●	○	●	○	●	●	●	●	●	●	●	●	●	●	-	●	●
Battery isolation switch	-	○	○	○	○	○	○	○	●	●	●	○	●	●	○	●	○	●	-	●	-	●	●	●	-	●	-	-	-	
Tool lubricator	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	-	-	-	-	-	-	-	-	-	○	○
Check valve (Standard from 10 bar)	○	-	○	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tool chest	-	-	○	●	●	●	●	●	●	-	-	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	●	●	
Hose reel	-	○	○	○	○	○	○	○	○	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	○	
Document bag	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	○	○
Water separator for fuel	-	○	○	●	○	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	
Spark arrestor	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	-	-
Engine shut-off valve	-	○	○	○	○	○	-	○	-	○	-	○	○	-	○	○	○	○	○	○	○	○	○	○	○	○	○	-	-	-
Closed floor pan	-	●	○	○	○	○	-	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	○	○
Low temperature version	-	○	○	○	○	○	○	○	○	○	○	○	-	○	○	○	○	○	○	○	○	○	○	○	○	○	-	○	○	

MOBILAIR accessories

- Electrical connection cable to towing vehicle and adapter (7 and 13 pole, 12 and 24 V)
- 50 mm ball couplings and towing eyes available with diameters of 45, 68 and 76 mm
- Various hose lines (separate or integrated with claw couplings)
- Hose lubricator
- Centrifugal separator on support stand, optionally available with 4-l tool lubricator
- Fluids and lubricants
- Filter sets for regular maintenance

Genuine KAESER parts

As with all KAESER products, consumable and spare parts are quality tested to ensure best possible performance. You can rest assured that all components are guaranteed and designed to meet the demands of the applicable operating conditions.



Air tools

Model	Blow frequency Strokes per min	Air consumption *) m³/min	Chuck - shank	Weight kg	Impact force Joules	Weighted sum acceleration value **) m/s²
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Breakers

With hand grip

H 63	2630	0.8	S19x50	a)	5.8	12	7.6
H 93	1690	1.0	R25x75	a)	9.3	34	9.9
H 93	1690	1.0	S22x82.5	c)	9.4	34	9.9
H 93	1690	1.0	S22x82.5	b)	9.8	34	9.9
H 112	1560	1.0	R25x75	a)	12.0	40	9.1
H 112	1560	1.0	S22x82.5	c)	12.5	40	9.1
H 132	1560	1.0	S22x82.5	b)	14.3	40	9.1



Image: H 93 V

With hand grip (vibration damped)

H 93 V	1960	0.8	S22x82.5	c)	10.6	34	6.4
H 112 V	1630	0.9	S22x82.5	c)	12.8	40	7.5

With T-grip (vibration damped)

AH 140 V	1690	1.0	S22x82.5	c)	14.8	40	7.6
AH 160 V	1240	1.0	S25x108	d)	18.2	54	9.8
AH 182 V	1310	1.2	S25x108	d)	20.5	49	8.1
AH 211 V	1180	1.3	S25x108	d)	21.1	58	9.6
AH 251 V	1070	1.7	S28x152	d)	24.6	64	9.2
AH 251 V	1070	1.7	S32x152	d)	24.4	64	9.2
AH 301 V	1100	1.9	S32x152	d)	27.5	74	8.4



Image: AH 182 V

*) at 6 bar, **) as per ISO28927-10

Hammer drills

With hand grip

BH 8	3660	0.5	S19x82.5	a)	8.6	8.5	15.4
BH 8	3660	0.5	S22x82.5	a)	8.6	8.5	15.4
BH 11	2910	1.1	S22x108	e)	15.5	19	22.0

With T-grip

BH 16	2440	1.6	S22x108	e)	18.9	30	19.0
BH 21	2740	2.1	S22x108	e)	24.4	40	17.7

With T-grip (vibration damped)

BH 16 V	2440	1.6	S22x108	e)	22.9	30	10.6
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*) at 5 bar, **) as per ISO28927-10



Image: BH 16 V

a) Retaining cap, b) Retaining pin, c) Cross cap, d) Locking retaining cap, e) Retaining clip

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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