

KAESER
COMPRESSORS



Portable Compressors

MOBILAIR M 13 – M 350

With the world-renowned SIGMA PROFILE 

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

www.kaeser.com

Made in Germany



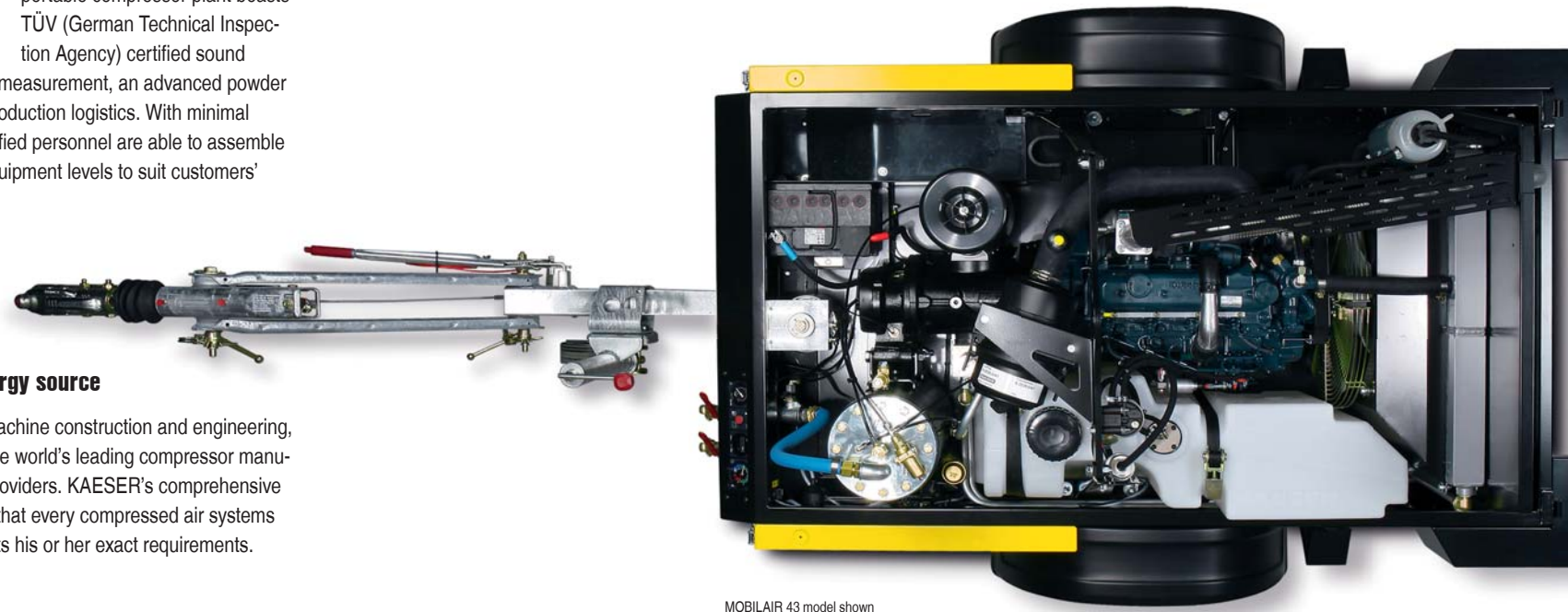
KAESER's renowned MOBILAIR range of portable compressors is manufactured in a state-of-the-art production facility located directly next to the KAESER main plant in Coburg, Northern Bavaria. Equipped with the very latest technology, the recently modernised portable compressor plant boasts TÜV (German Technical Inspection Agency) certified sound

testing facilities for free-field sound level measurement, an advanced powder coating installation and highly efficient production logistics. With minimal turn-around time, KAESER's highly qualified personnel are able to assemble portable compressors of all sizes and equipment levels to suit customers' specific needs.

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 every compressed air systems user is provided with a solution that meets his or her exact requirements.

Save energy with the KAESER SIGMA PROFILE



MOBILAIR 43 model shown



SIGMA PROFILE

Every KAESER rotary screw air end is equipped with energy-saving SIGMA PROFILE rotors. Components manufactured to the highest standards and precision aligned roller-bearings ensure long service life with maximum reliability.



User-friendly design

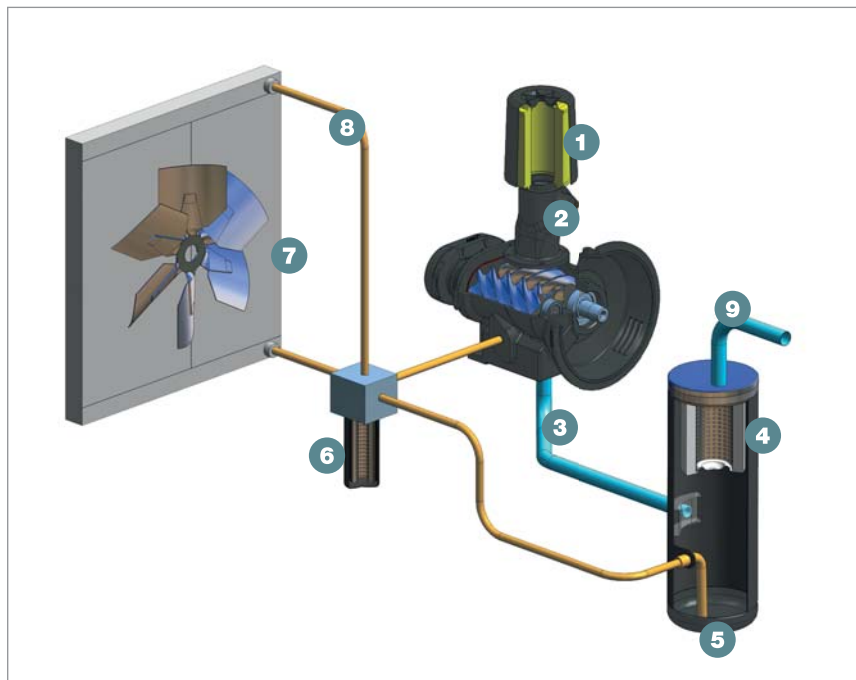
MOBILAIR portable compressors are simple to operate, provide excellent component accessibility and are easy to maintain. Features also include automatic monitoring and shutdown.



Patented Anti-Frost Control

Specially developed by KAESER for portable compressors, the patented Anti-Frost Control automatically regulates operating temperature in relation to ambient. Together with the optional tool lubricator, this innovative system prevents breakers from freezing up and significantly extends air tool service life.

Fluid circulation and compressed air production



- (1) Intake air
- (2) Rotary screw air end
- (3) Fluid/air mixture
- (4) Fluid separator tank
- (5) Fluid with compression heat
- (6) Thermostatic valve, or Anti-Frost Control with micro-fluid filter
- (7) Fluid cooler
- (8) Cool oil
- (9) Compressed air

KAESER's comprehensive range of products and services

Compressed air system solutions for every application



Compact powerhouses

With petrol engines up to 15 bar



The smallest MOBILAIR compressors are more than capable of powering breakers, drills, saws, grinders, impact wrenches and even 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 compressed air aftercooler for certain applications that may require cool and condensate-free compressed air.



MOBILAIR M13

Portable compressors

With the patented Anti-Frost Control



MOBILAIR portable compressor models with flow rates ranging from 2 to 5.6 m³/min 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 max. working 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	Option
	cfm	42	35	32	30						
M15*	m ³ /min	1.4	-	-	-	Honda GX 630	15.5	20	202	1 x G ½	Option
	cfm	50	-	-	-						
M17	m ³ /min	1.6*	-	-	-	Honda GX 630	15.5	20	204	1 x G ½	Option
	cfm	57	-	-	35						

* Only for export outside of the EU

Technical specifications

Model	Flow rate at max. working 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	Option	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	Option	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	-	-
	cfm	180	-	-							
M57 Utility	m ³ /min	5.1	4.35	-	Kubota V2403	36	105	980	2 x G ¾ 1 x G 1	Option	-
	cfm	180	155	-							
M57 Utility*	m ³ /min	5.4	4.7	-	Kubota V2403	36	105	980	2 x G ¾ 1 x G 1	Option	-
	cfm	190	165	-							
M57	m ³ /min	5.6	-	-	Kubota V2403	36	105	1225	2 x G ¾ 1 x G 1	-	-
	cfm	185	-	-							
M58 Utility	m ³ /min	5.1	4.35	-	Kubota V2403-CR	36	105	1020	2 x G ¾ 1 x G 1	Option	-
	cfm	180	155	-							
M58	m ³ /min	5.4	4.7	-	Kubota V2403-CR	36	105	1300	2 x G ¾ 1 x G 1	Option	-
	cfm	190	165	-							

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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. This large selection of possible configurations therefore ensures that an appropriate model is available to meet the needs of virtually any application.



MOBILAIR M115

Efficiency and performance

With SIGMA CONTROL MOBILE



Available for MOBILAIR compressors with free air deliveries up to 34.0 m³/min, the innovative 'SIGMA CONTROL MOBILE' compressor control system is simple to use and precisely matches motor power to actual compressed air demand. This significantly enhances both compressed air availability and fuel efficiency.



MOBILAIR M350

Technical specifications

Model	Flow rate at max. working pressure					Engine	Rated motor 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	Option	13 kVA**
	cfm	135	-	-	-							
M45	m³/min	4.2	-	4.15	-	Kubota V2203	35.4	80	995	2 x G ¾ 1 x G 1	Option	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	Option	8.5 kVA
	cfm	185	-	-	-							
M64	m³/min	6.4	-	5.0	-	Kubota V2403-T	43.3	105	1230	2 x G ¾ 1 x G 1	Option	8.5/13 kVA
	cfm	225	-	180	-							
M70*	m³/min	7.0	-	5.4	-	Kubota V2403-T	43.3	105	1230	2 x G ¾ 1 x G 1	Option	-
	cfm	250	-	190	-							
M100*	m³/min	10.2	-	8.5	7.2	Kubota V3800-DI-T	71.7	150	1480	3 x G ¾ 1 x G 1½	Option	8.5/13 kVA
	cfm	360	-	300	255							
M122*	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	Option	-
	cfm	390	355	335	290							
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	Option	-
	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	Option	8.5/13 kVA
	cfm	295	-	240	215							
M114	m³/min	-	-	9.7	8.4	Deutz TCD 3.6 L04	85	170	1865	3 x G ¾ 1 x G 1½	Option	-
	cfm	-	-	345	295							
M115	m³/min	11.5	10.5	9.7	8.4	Kubota V3800-CRS-TI	85	145	1850	3 x G ¾ 1 x G 1½	Option	8.5/13 kVA
	cfm	405	370	345	295							

* Only for export outside of the EU ** Standard

Technical specifications

Model	Flow rate at max. working pressure					Engine	Rated motor 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								
M123*	m³/min	-	11.4	10.8	9.7	Deutz TCD 2012 L04	88	170	1945	3 x G ¾ 1 x G 1½	Option	-	
	cfm	-	405	380	345								285
M135*	m³/min	-	-	13.0	12.0	Deutz TCD 2013 L04	122	200	2500	3 x G ¾ 1 x G 2	Option	23 kVA	
	cfm	-	-	460	425								370
M170*	m³/min	-	17.0	15.5	13.5	Deutz TCD 2012 L06	128	200	2600	3 x G ¾ 1 x G 2	Option	-	
	cfm	-	600	550	475								405
M200*	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	Option	-	
	cfm	750	700	640	565								515
M130	m³/min	-	-	12.0	10.7	Deutz TCD 4.1 L04	105	200	2500	3 x G ¾ 1 x G 2	Option	23 kVA	
	cfm	-	-	425	380								330
M171	m³/min	-	17.0	15.5	13.5	Deutz TCD 6.1 L06	129	200	2650	3 x G ¾ 1 x G 2	Option	-	
	cfm	-	600	550	475								405
M250	m³/min	-	26.3	25.0	22.5	Mercedes Benz OM 926 LA	215	210*	250	3500	3 x G ¾ 1 x G 2	Option	-
	cfm	-	930	885	795								
M350	m³/min	-	34.0	31.0	27.3	Mercedes Benz OM 501 LA	265	260*	650	5700	1 x G 2½ 2 x G 1	Option	-
	cfm	-	1200	1095	965								

* Only for export outside of the EU

The environmentally-friendly alternative

With electric drive



MOBILAIR electric portable compressors truly come into their own in work environments where quiet and exhaust-free conditions are required. These environmentally-compatible compressors therefore elegantly avoid the restrictions that apply to the use of combustion engines.



MOBILAIR M13E



MOBILAIR M34E

Technical specifications

Model		Flow rate at max. working pressure					Motor	Rated motor power	Fuse protection	Operational weight	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						
M13E	m ³ /min	1.2	1.0	0.9	0.85	0.75	ABM 4D 112M-2	7.5	25	187	1 x G ½	Option
	cfm	42	35	32	30	27						
M34E	m ³ /min	3.1	-	-	-	-	ATB A160L/-21	22	50	650	2 x G ¾	Option
	cfm	110	-	-	-	-						
M46E	m ³ /min	4.4	3.0	-	-	-	Siemens 1LA9 183-2	30	63	720	2 x G ¾ 1 x G 1	Option
	cfm	155	105	-	-	-						

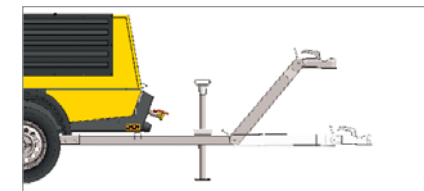
MOBILAIR Options

- Standard
- Option

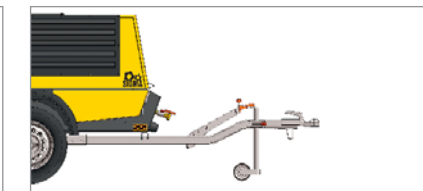
	M13/M15/M17	M20	M27	M31	M43/M50	M57	M58	M57 Utility	M36	M45	M52	M64	M70	M81/M82/M100	M114/M115	M122	M123	M130/M135	M170/M171	M200	M250	M350	M13E	M34E/M46E
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Chassis

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



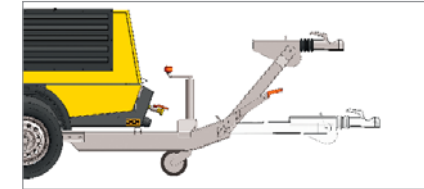
Height-adjustable towbar without run-on and parking brake



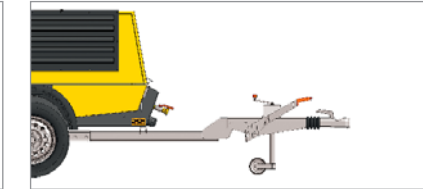
Fixed towbar without run-on brake, with parking brake



Stationary version



Height-adjustable towbar with run-on and parking brake



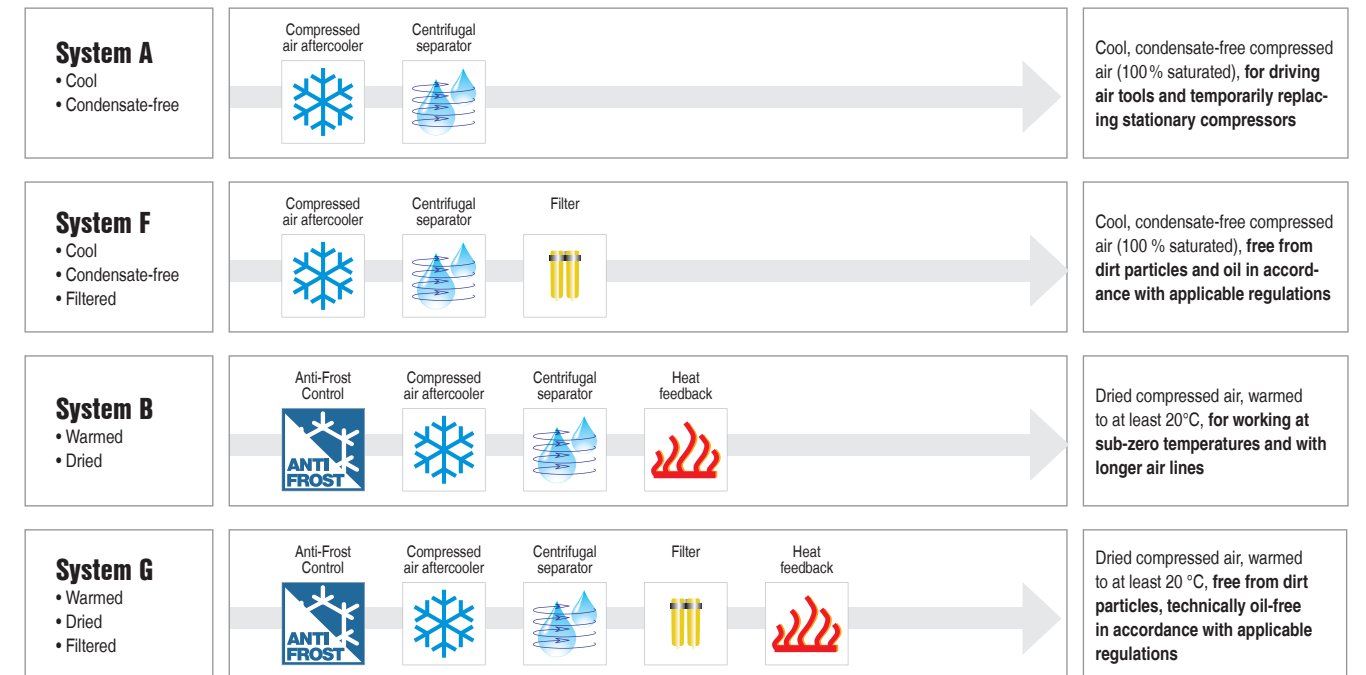
Fixed towbar with run-on and parking brake



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	M43 / M50	M57	M58	M57 Utility	M58 Utility	M36	M45	M52	M64	M70	M81	M82	M100	M114	M115	M122	M123	M130 / M135	M170 / M171	M200	M250	M350	M13E	M34E / M48E
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Generator

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

Equipment

Special colour	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PE enclosure	●	○	○	○	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sigma Control mobile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	-
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, lubricants and filter sets

ORIGINAL

Genuine KAESER parts

As with all KAESER products, consumable and spare parts are quality tested to ensure best possible performance. Be safe in the knowledge that all components are guaranteed and are 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 Joule	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 dampened)

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 dampened)

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 systems providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners.

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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