



# Portable Compressors

**MOBILAIR® M 13 – M 350**

With the world-renowned SIGMA PROFILE

Flow rate 1.2 to 34.0 m<sup>3</sup>/min (42 – 1200 cfm)

# MOBILAIR – KAESER quality and efficiency for every need



## Compressed air as a versatile energy source

With 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 users can find a solution that meets their exact requirements.



## Made in Germany

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



## SIGMA PROFILE

Every KAESER rotary screw air end is equipped with energy-saving SIGMA PROFILE rotors. Meticulous manufacturing and precision-aligned anti-friction bearings guarantee long service life and maximum reliability.



## Service-friendly and easy to access

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

# KAESER product portfolio

Compressed air system solutions for every application

		
<p><b>Rotary screw compressors</b></p>	<p><b>Oil-free compression rotary screw compressors</b></p>	<p><b>Rotary lobe blowers</b></p>
		
<p><b>Rotary screw blowers</b></p>	<p><b>Compressed air management systems</b></p>	<p><b>Portable compressors</b></p>
		
<p><b>Reciprocating compressors</b></p>	<p><b>Compressed air treatment and condensate technology</b></p>	<p><b>Compressed air storage and pressure maintenance</b></p>
		
<p><b>Analysis and consultation</b></p>	<p><b>SIGMA AIR UTILITY operator model</b></p>	<p><b>Service</b></p>

# Compact powerhouses

with petrol engines up to 15 bar



Even the smallest MOBILAIR compressors are more than capable of powering pneumatic spades, breakers, drills, saws, grinders, impact wrenches and impact moles. The 15-bar version is the ideal choice when it comes to trenchless fibre-optic cable laying or leakage tests. Available options include an external aftercooler for delivering cool, condensate-free compressed air or a filter combination for technically oil-free compressed air.



MOBILAIR M 13  
with external filter combination

## Technical specifications

Model	Flow rate at gauge working pressure					Engine	Rated engine power	Fuel tank capacity	Operating weight	Compressed 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 <sup>3</sup> /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 <sup>1)</sup>	m <sup>3</sup> /min	1.4	-	-	-	Honda GX 630	15.5	20	202	1 x G ½	Optional
	cfm	50									
M17	m <sup>3</sup> /min	1.6 <sup>1)</sup>	-	-	-	Honda GX 630	15.5	20	204	1 x G ½	Optional
	cfm	57			35						

<sup>1)</sup> Only for export outside the EU

# Portable compressors

with the patented Anti-Frost Control



Just like their larger counterparts, MOBILAIR portable compressors with flow rates ranging from 2 to 5.6 m<sup>3</sup>/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 air tools from freezing, but also extends their service life and availability.



MOBILAIR M 20 PE

## Technical specifications

Model	Flow rate at gauge working pressure				Engine	Rated engine power	Fuel tank capacity	Operating weight	Compressed air connection	Compressed air treatment	Generator option
		100 psi 7 bar	145 psi 10 bar	175 psi 12 bar							
M20	m <sup>3</sup> /min	2.0	-	-	Kubota D722	14	30	457	2 x G 3/4	-	-
	cfm	71	-	-							
M27	m <sup>3</sup> /min	2.6	-	-	Kubota D1105	17.9	40	575	2 x G 3/4	Optional	6.5 kVA
	cfm	92	-	-							
M31	m <sup>3</sup> /min	3.15	2.6	2.3	Kubota D1105-T	24.1	40	580	2 x G 3/4	Optional	6.5 kVA
	cfm	110	92	81							
M50	m <sup>3</sup> /min	5.0	-	-	Kubota V1505-T	32.5	80	735	2 x G 3/4 1 x G 1	Optional	-
	cfm	180	-	-							
M57utility <sup>1)</sup>	m <sup>3</sup> /min	5.4	4.7	-	Kubota V2403	36	105	980	2 x G 3/4 1 x G 1	Optional	-
	cfm	190	165	-							
M57 <sup>1)</sup>	m <sup>3</sup> /min	5.6	-	-	Kubota V2403	36	105	1225	2 x G 3/4 1 x G 1	-	-
	cfm	185	-	-							
M58utility	m <sup>3</sup> /min	5.1	4.35	-	Kubota V2403-CR	36	105	1020	2 x G 3/4 1 x G 1	Optional	-
	cfm	180	155	-							
M59	m <sup>3</sup> /min	-	-	-	Hatz 3H50TICD	42	80	-	2 x G 3/4 1 x G 1	Optional	8.5/13 kVA
	cfm	-	-	-							



<sup>1)</sup> Only for export outside the EU

# Exceptional power and versatility

Compressed air and more...



The MOBILAIR portable compressors in this product range are exceptionally versatile. Optionally available with synchronous generators and/or compressed air treatment components, they are also offered in various maximum pressure variants, thereby ensuring that there is always an appropriate model available, whatever the application may be.



MOBILAIR M 125

## Technical specifications

Model	Flow rate at gauge working pressure						Engine	Rated engine power kW	Fuel tank capacity l	AdBlue tank capacity	Operating weight kg	Compressed 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								
M70 <sup>1)</sup>	m <sup>3</sup> /min	7.0	-	5.4	-	-	Kubota V2003-T	43.3	105	-	1230	2 x G ¼ 1 x G 1	Optional	-
	cfm	250	-	190	-	-								
M100 <sup>1)</sup>	m <sup>3</sup> /min	10.2	-	8.5	7.2	6.4	Kubota V3800-DI-T	71.7	150	-	1480	3 x G ¼ 1 x G 1½	Optional	8.5/13 kVA
	cfm	360	-	300	255	225								
M122 <sup>1)</sup>	m <sup>3</sup> /min	11.1	10.1	9.5	8.2	7.3	Deutz TCD 2012 L04	83	170	-	1865	3 x G ¼ 1 x G 1½	Optional	-
	cfm	390	355	335	290	260								
M123 <sup>1)</sup>	m <sup>3</sup> /min	-	11.4	10.8	9.7	8.1	Deutz TCD 2012 L04	88	170	-	1945	3 x G ¼ 1 x G 1½	Optional	-
	cfm	-	405	380	345	285								
M82	m <sup>3</sup> /min	8.4	-	6.8	6.1	5.5	Kubota V 3307-CR-T	54.6	140	-	1580	3 x G ¼ 1 x G 1½	Optional	8.5/13 kVA
	cfm	295	-	240	215	195								
M118 <sup>2)</sup>	m <sup>3</sup> /min	11.5	← pV →		10.2	-	Deutz TCD 3.6 L04	85	170	10	1990	3 x G ¼ 1 x G 1½	Optional	-
	cfm	405	← pV →		360	-								
M125 <sup>2)</sup>	m <sup>3</sup> /min	11.5	← pV →		9.7	-	Deutz TCD 4.1 L04	105	170	10	2080	3 x G ¼ 1 x G 1½	Optional	13 kVA
	cfm	405	← pV →		345	-								



<sup>1)</sup> only for export outside the EU

<sup>2)</sup> pV Control (Maximum pressure setting (p) affects max. flow rate (v))

# Efficiency and performance

with SIGMA CONTROL SMART or SIGMA CONTROL MOBIL



Available for MOBILAIR compressors with flow rates up to 34.0 m<sup>3</sup>/min, the innovative SIGMA CONTROL SMART and SIGMA CONTROL MOBIL compressor controllers are simple to use and, by precisely matching motor power to the compressed air components, significantly enhance fuel efficiency.



MOBILAIR M350

## Technical specifications

Model		Flow rate at gauge working pressure					Engine	Rated engine power kW	Fuel tank capacity l	AdBlue tank capacity l	Operating weight kg	Compressed 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 <sup>1)</sup>	m <sup>3</sup> /min	-	-	13.0	←pV→	10.5	Deutz TCD 2013 L04	122	200	-	2500	3 x G ¾ 1 x G 2	Optional	23 kVA
	cfm	-	-	460		370								
M170 <sup>1)</sup>	m <sup>3</sup> /min	-	17.0	15.5	13.5	11.5	Deutz TCD 2012 L06	128	200	-	2600	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	600	550	475	405								
M200 <sup>1)</sup>	m <sup>3</sup> /min	21.2	19.7	18.0	16.0	14.5	Caterpillar C 6.6 ACERT	146	270	-	3235	3 x G ¾ 1 x G 2	Optional	-
	cfm	750	700	640	565	515								
M210 <sup>1)</sup>	m <sup>3</sup> /min	21.2	19.7	18.0	-	-	Caterpillar C 6.6 ACERT	146	420	-	3220	1 x G ¾ 2 x G2	Optional	-
	cfm	750	700	640	-	-								
M235 <sup>1)</sup>	m <sup>3</sup> /min	-	23.3	22.6	19.8	18.1	Cummins QSB 6.7	201	420	-	3140	1 x G ¾ 2 x G2	Optional	-
	cfm	-	825	800	700	640								
M250 <sup>1)</sup>	m <sup>3</sup> /min	-	26.3	25.0	22.5	20.0	Mercedes Benz OM 926 LA	210	250	-	3400	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	930	885	795	705								
M350 <sup>1)</sup>	m <sup>3</sup> /min	-	34.0	31.0	27.3	24.0	Mercedes Benz OM 501 LA	260	650	-	5910	1 x G 2½ 2 x G 1	Optional	-
	cfm	-	1200	1095	965	850								
M171 <sup>2)</sup>	m <sup>3</sup> /min	-	17.0	15.5	←pV→	11.5	Deutz TCD 6.1 L06	129	200	20	2800	3 x G ¾ 1 x G 2	Optional	-
	cfm	-	600	550		405								
M250 <sup>3)</sup>	m <sup>3</sup> /min	-	25.4	23.5	21.0	18.5	Mercedes Benz OM 936 LA	202	250	25	3780	3 x G ¾	Optional	-
	cfm	-	900	830	740	655								

<sup>1)</sup> Only for export outside the EU

<sup>2)</sup> pV Control: (Maximum pressure setting (p) affects max. flow rate (v))

<sup>3)</sup> Weight specifications for standard unit on 4t chassis incl. air brake and ABS / 3.5t run-on braked chassis available



# e-power

## The alternative, emissions-free drive for portable compressors



The new M 27E, M 31E and M 50E portable compressors truly come into their own wherever an electrical power connection is available. Their near-silent electric drive makes them the perfect choice for use in low emission and noise protection zones. The effects of noise from compressed air applications in tunnels or inside buildings are tamed by the compressors' emissions-free drive.

The M 250E and M255E stationary versions are designed for permanent outdoor operation in ever-changing locations



MOBILAIR M255E

MOBILAIR M50E

MOBILAIR M13E

## Technical specifications

Model	Flow rate at gauge working pressure							Electric motor (400V)	Rated motor power kW	CEE-power socket A	Operating weight kg	Compressed air connection	Compressed air treatment
		100 psi 7 bar	145 psi 10 bar	175 psi 12 bar	190 psi 13 bar	200 psi 14bar	215 psi 15 bar						
M 13E	m <sup>3</sup> /min	1.2	1.0	0.9	0.85	-	0.75	Siemens	7.5	32	187	1 x G ½	Optional
	cfm	42	35	32	30		27						
M 27E	m <sup>3</sup> /min	2.6	-	-	-	-	-	Siemens	15	32	530	2 x G ¾	Optional
	cfm	92											
M 31E	m <sup>3</sup> /min	3.15	2.6	2.3	-	1.9	-	Siemens	22	63	585	2 x G ¾	Optional
	cfm	110	92	81		67							
M 50E	m <sup>3</sup> /min	5.0	3.8	-	-	-	-	Siemens	25	63	690	2 x G ¾ 1 x G 1	Optional
	cfm	180	135										
M 250E	m <sup>3</sup> /min	25	20.4	-	-	16.2	-	Siemens	132	-	3150 - 3380	DN80	Optional
	cfm	885	720			570							
M 255E	m <sup>3</sup> /min	-	24.7	19.9	-	-	-	Siemens	160	-	3660 - 3685	DN80	Optional
	cfm		785	705									

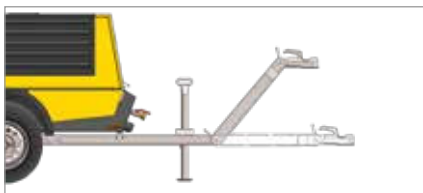
# MOBILAIR options

- Standard
- Option

	M13 / M15 / M17	M20	M27 / M31	M50	M57	M57 / M58utility	M59	M70	M82	M100	M122	M123	M118 / M125	M135 / M170	M171	M200	M210 / M235	M250	M350	M13E	M27E / M31E	M50E	M250E / M255E
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## Chassis

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



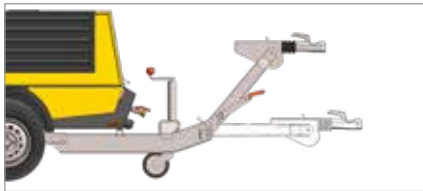
Height-adjustable tow bar without run-on and parking brake



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



Stationary version



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



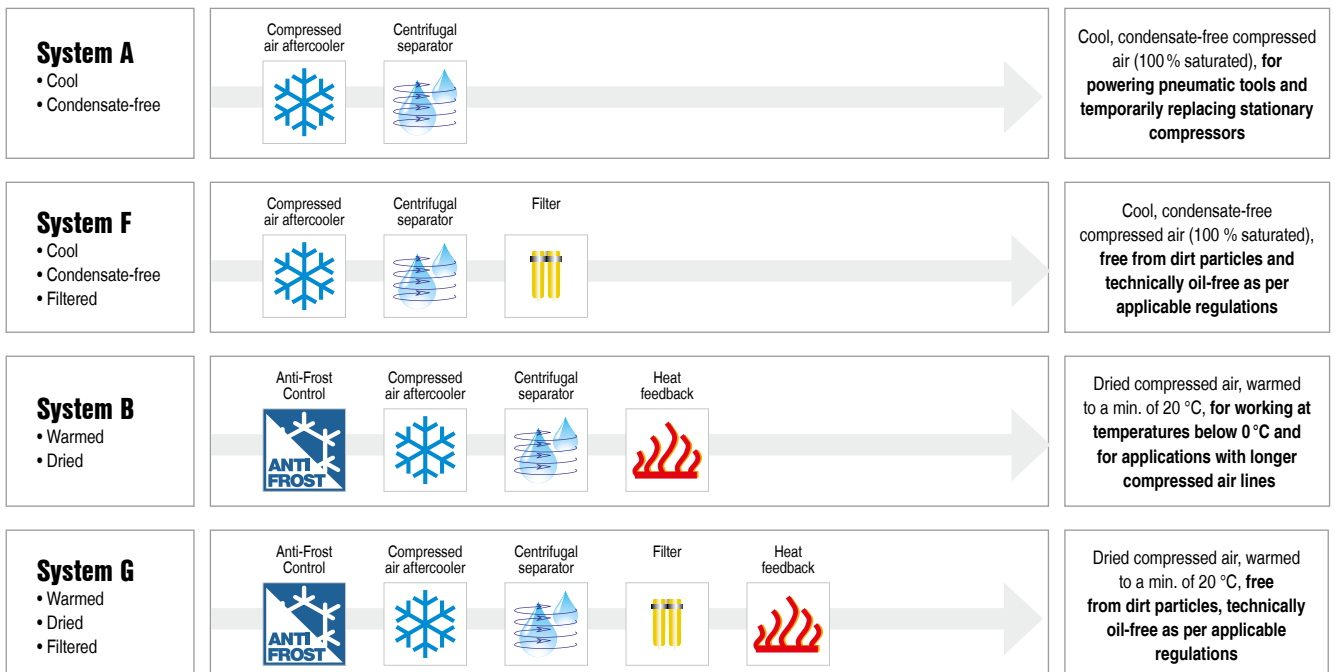
Fixed tow bar with run-on and parking brake



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	M50	M57	M57 - M58utility	M59	M70	M82	M100	M122	M123	M118 / M125	M135 / M170	M171	M200	M210 / M235	M250 IIIA	M250	M350	M13E	M27E / M31E	M50E	M250E / M255E
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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	-	○	○	○	○	○	○	○	○	○	○	-	-	-	-	-	-	-	-	-	○	○	-	
Non-return valve (Standard from 10 bar)	○	-	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Tool compartment	-	-	○	●	●	-	-	●	●	●	●	●	-	-	-	-	-	-	-	-	●	●	-	
Hose reel	-	○	○	○	○	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	○	○	-	
Document bag	-	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●	-	○	○	●	
Water separator for fuel	-	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	
Spark arrester	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	-	-	
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)
- 50mm 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, consumables 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	Impact rate Strokes per min	Air consumption *) m <sup>3</sup> /min	Chuck - shank	Weight kg	Impact force Joules	Weighted sum acceleration value **) m/s <sup>2</sup>
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## Breakers

### With hand grip

H 60	2142	0.4	S19x50	a)	6	12	5.5
H 95	1596	0.6	S22x82.5	b)	9.6	34	7.4
H 130	1452	0.6	S22x82.5	b)	12	40	6.6

### With hand grip (vibration damped)

H 110 V	1596	0.8	S22x82.5	c	11	34	5.2
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### With T-grip (vibration damped)

AH 150 V	1452	0.6	S22x82.5	d)	17	40	6.3
AH 180 V	1074	0.6	S26x108	d)	17.9	50	7.7
AH 200 V	1194	1.1	S26x108	d)	20.8	50	6.5
AH 240 V	1356	1.1	S28x152	d)	26.2	65	7.1
AH 280 V	1314	1.1	S32x152	d)	28	77	6

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



Image: H 95



Image: AH 180 V

## 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

### 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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