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

MOBILAIR – KAESER quality and efficiency for every need

Compressed air as a versatile energy source

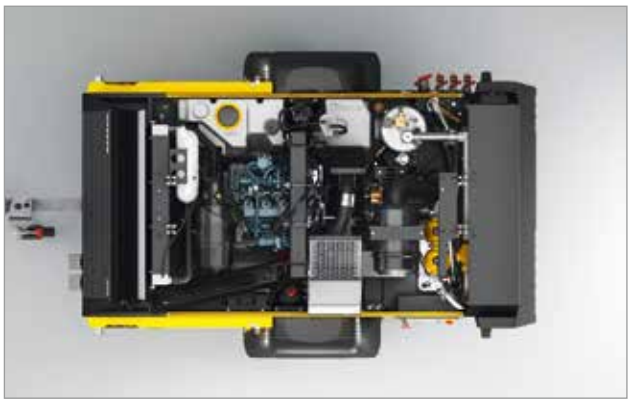
With a century of experience in machine construction and engineering, KAESER KOMPRESSOREN is one of the world's leading compressor manufacturers and compressed air systems providers. KAESER's comprehensive range of products and services ensures that all compressed air users can find a solution that meets 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 airend 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

Rotary screw compressors

Oil-free compression rotary screw compressors

Rotary lobe blowers

Rotary screw blowers

Compressed air management systems

Portable compressors

Reciprocating compressors

Compressed air treatment and condensate technology

Compressed air storage and pressure maintenance

Analysis and consultation

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 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		kW	l	kg		
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 [1)]	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[1)]	-	-	-	1.0	Honda GX 630	15.5	20	204	1 x G ½	Optional
	cfm	57				35						

[1)] 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 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 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	200 psi 14 bar		kW	l	kg			
M20	m³/min	2.0	-	-	-	Kubota D722	14	30	457	2 x G ¾	-	-
	cfm	71										
M27	m³/min	2.6	-	-	-	Kubota D1105	17.9	40	575	2 x G ¾	Optional	6.5 kVA
	cfm	92										
M31	m³/min	3.15	2.6	2.3	1.9	Kubota D1105-T	24.1	40	580	2 x G ¾	Optional	6.5 kVA
	cfm	110	92	81	67							
M50	m³/min	5.0	-	-	-	Kubota V1505-T	32.5	80	735	2 x G ¾ 1 x G 1	Optional	-
	cfm	180										
M57utility [1]	m³/min	5.4	4.7	-	-	Kubota V2403	36	105	980	2 x G ¾ 1 x G 1	Optional	-
	cfm	190	165									
M57[1]	m³/min	5.6	-	-	-	Kubota V2403	36	105	1225	2 x G ¾ 1 x G 1	-	-
	cfm	185										
M58utility	m³/min	5.1	4.35	-	-	Kubota V2403-CR	36	105	1020	2 x G ¾ 1 x G 1	Optional	-
	cfm	180	155									
M59	m³/min	-	-	-	-	Hatz 3H50TICD	42	80	-	2 x G ¾ 1 x G 1	Optional	8.5 / 13 kVA
	cfm											

[1]) 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	Fuel tank capacity	AdBlue tank capacity	Operating weight	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		kW	l		kg			
M70 [1]	m³/min	7.0	-	5.4	-	-	Kubota V2003-T	43.3	105	-	1230	2 x G ¾ 1 x G1	Optional	-
	cfm	250		190										
M100 [1]	m³/min	10.2	-	8.5	7.2	6.4	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	225								
M122 [1]	m³/min	11.1	10.1	9.5	8.2	7.3	Deutz TCD 2012 L04	83	170	-	1865	3 x G ¾ 1 x G 1½	Optional	-
	cfm	390	355	335	290	260								
M123 [1]	m³/min	-	11.4	10.8	9.7	8.1	Deutz TCD 2012 L04	88	170	-	1945	3 x G ¾ 1 x G 1½	Optional	-
	cfm		405	380	345	285								
M82	m³/min	8.4	-	6.8	6.1	5.5	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	195								
M118 [2]	m³/min	11.5	←*pV*→	10.2	-	-	Deutz TCD 3.6 L04	85	170	10	1990	3 x G ¾ 1 x G 1½	Optional	-
	cfm	405		360										
M125 [2]	m³/min	11.5	←*pV*→		9.7	-	Deutz TCD 4.1 L04	105	170	10	2080	3 x G ¾ 1 x G 1½	Optional	13 kVA
	cfm	405			345									

KAESER Low emission ZONE MOBILAIR

[1]) only for export outside the EU

[2]) *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 m³/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 M 350

Technical specifications

Model		Flow rate at gauge working pressure					Engine	Rated engine power	Fuel tank capacity	AdBlue tank capacity	Operating weight	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		kW	l	l	kg			
M135 [1]	m³/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 [1]	m³/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 [1]	m³/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 [1]	m³/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 [1]	m³/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 [1]	m³/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 [1]	m³/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 [2]	m³/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 [3]	m³/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								

KAESER Low emission ZONE MOBILAIR

[1] Only for export outside the EU

[2] *pV* Control: (Maximum pressure setting (p) affects max. flow rate (v))

[3] 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 M 255E stationary versions are designed for permanent outdoor operation in ever-changing locations

MOBILAIR M 255 E

MOBILAIR M 50 E

MOBILAIR M 13E

Technical specifications

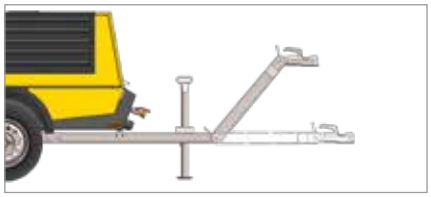
Model		Flow rate at gauge working pressure						Electric motor (400V)	Rated motor power	CEE-power socket	Operating weight	Compressed air connection	Compressed air treatment
		100 psi 7 bar	145 psi 10 bar	175 psi 12 bar	190 psi 13 bar	200 psi 14bar	215 psi 15 bar		kW	A	kg		
M 13E	m³/min	1.2	1.0	0.9	0.85	-	0.75	Siemens	7.5	32	187	1 x G ½	Optional
	cfm	42	35	32	30		27						
M 27E	m³/min	2.6	-	-	-	-	-	Siemens	15	32	530	2 x G ¾	Optional
	cfm	92											
M 31E	m³/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	m³/min	5.0	3.8	-	-	-	-	Siemens	25	63	690	2 x G ¾ 1 x G 1	Optional
	cfm	180	135										
M 250E	m³/min	25	20.4	-	-	16.2	-	Siemens	132	-	3150 - 3380	DN80	Optional
	cfm	885	720			570							
M 255E	m³/min	-	24.7	19.9	-	-	-	Siemens	160	-	3660 - 3685	DN80	Optional
	cfm		785	705									

MOBILAIR options

● Standard
○ Option

Chassis

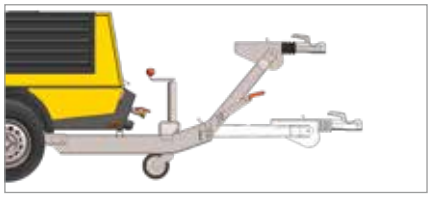
	M13 / M15 / M17	M20	M27 / M31	M50	M57	M57 / M 58utility	M59	M70	M82	M100	M122	M123	M118 / M125	M135 / M170	M171	M200	M210 / M235	M250	M350	M13E	M27E / M31E	M50E	M250E / M255E
Can be pulled manually	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
Unbraked	–	●	●	●	–	–	○	–	–	○	–	–	–	–	–	–	●	–	–	–	●	●	–
Braked	–	○	○	○	●	–	●	●	●	●	●	●	●	●	●	●	–	●	●	–	○	○	–
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

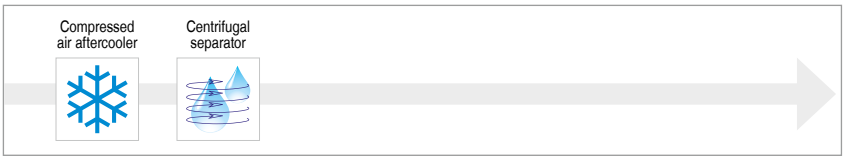
Fixed tow bar with run-on and parking brake

Skids

Compressed air treatment

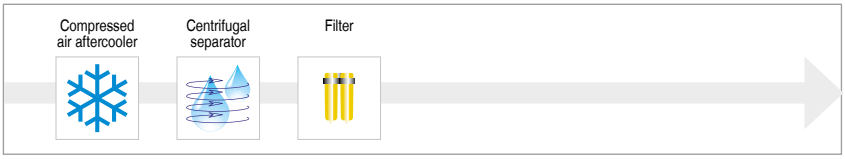
	M13 / M15 / M17	M20	M27 / M31	M50	M57	M57 / M 58utility	M59	M70	M82	M100	M122	M123	M118 / M125	M135 / M170	M171	M200	M210 / M235	M250	M350	M13E	M27E / M31E	M50E	M250E / M255E
Anti-Frost Control	–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–
Aftercooler	○	–	○	○	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●
Microfilter combination	○	–	○	–	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	–	–	–	○
Heat feedback	–	–	○	–	–	–	○	○	○	○	○	○	○	○	○	○	–	○	–	–	○	–	–

System A
• Cool
• Condensate-free



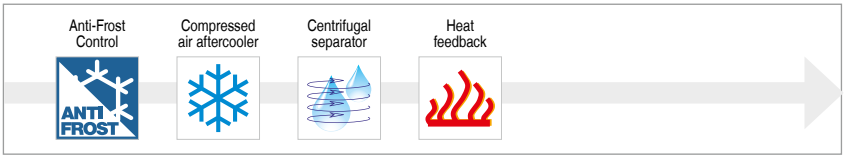
Cool, condensate-free compressed air (100 % saturated), **for powering pneumatic tools and temporarily replacing stationary compressors**

System F
• Cool
• Condensate-free
• Filtered



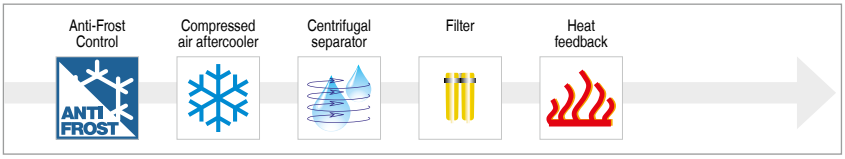
Cool, condensate-free compressed air (100 % saturated), **free from dirt particles and technically oil-free as per applicable regulations**

System B
• Warmed
• Dried



Dried compressed air, warmed to a min. of 20 °C, **for working at temperatures below 0 °C and for applications with longer compressed air lines**

System G
• Warmed
• Dried
• Filtered



Dried compressed air, warmed to a min. of 20 °C, **free from dirt particles, technically oil-free as per applicable regulations**

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

MOBILAIR options

● Standard
○ Option

Generator

	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
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 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, 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 *) m³/min	Chuck - shank		Weight kg	Impact force Joules	Weighted sum acceleration value **) m/s²

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

Image: H 95

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: 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

*) 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.

LGA InterCert
Certified
QM/EM System
DIN EN ISO 9001:2015/
14001:2015

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P-500ED Specifications are subject to change without notice. 32/19