KAESER COMPRESSORS®

MOBILAIR® M 13/M 15/M 17

Portable Compressors
With the world-renowned SIGMA PROFILE
Flow rate 0.75 to 1.60 m³/min (27 – 57 cfm)

www.kaeser.com

MOBILAIR® M 13/M 15/M 17

Compact design with impressive performance

Heavyweight performance doesn't necessarily have to come with the burden and inconvenience of high operational weight and there are no better examples of this than KAESER's smaller Mobilair models: the M 13, M 15 and M 17. Exceptionally compact and lightweight, models are available to provide 1.2, 1.4 or 1.6 m³ of quality compressed air per minute (at 7 bar). Moreover, in order to cover as wide a range of needs as possible, the M 13 is offered as a standard petrol model, or as an electric version.

Exceptionally versatile

The three smallest compressors in the Mobilair range provide incredible versatility for a wide range of applications. Suitable for use in ambient temperatures up to +40 °C, they deliver the energy required to power breakers, air spades, pneumatic drills, saws, wrenches, grinders, impact borers and pipe inspection robots. The 15-bar version is the ideal choice for trenchless laying of glass fibre cables or for leakage tests. An external compressed air aftercooler can also be optionally connected to ensure a dependable supply of cool, condensate-free air at all times. If technically oil-free compressed air is required, an external filter combination can also be connected.

Petrol or electric drive option

At the heart of every model lies a powerful, proprietary KAESER airend equipped with energy-efficient SIGMA PROFILE rotors. The compressor is driven by a Honda petrol engine, or a high performance three-phase electric motor in the case of the M 13E, and a maintenance-free V-belt drive system for effective power transmission. Models are also available in various pressure versions ranging from 7 to 15 bar.

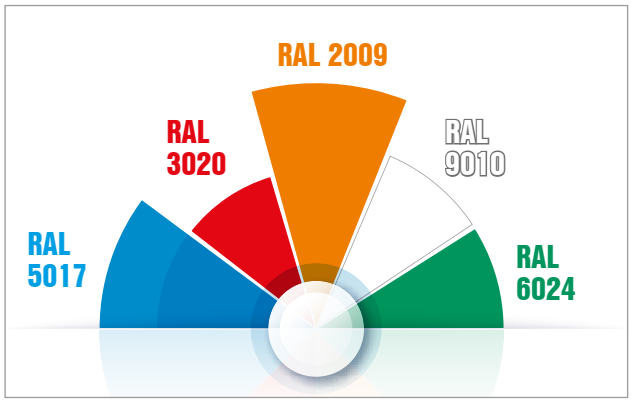
User-friendly operation

The quality of KAESER's M 13, M 15 and M 17 portable compressors is evident in their user-friendly design. This is assured by:

- an easy-to read control panel with pressure gauge, operating hours counter and airend temperature monitoring
- straightforward key start-up and dependable cold-start with choke and electric starter for petrol engine models
- single switch actuation with star-delta start to prevent start-up current surge with electric compressor version. Motor rotation direction monitoring and convenient pole-changing switch (for inadvertent incorrect polarity when connecting the compressor to the mains electrical supply)

Easy to transport

These compact compressors are able fit into the tightest of loading spaces, which leaves the vehicle towing hitch free for use. A counter-sunk lifting eye makes loading and unloading simple.



Alternative colours

The corrosion- and scratchproof rotomolded polyethylene enclosure is also available in the following colours:

Blue – Equivalent to RAL 5017
Red – Equivalent to RAL 3020
Orange – Equivalent to RAL 2009
Green – Equivalent to RAL 6024

Other colours are available upon request.

Fits into the tightest of loading spaces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Maximum versatility – with two drive options

Impressive performance

The impressive performance and staying power of petrol-powered models is made possible thanks to the generously sized fuel tank and continuous flow rate control, which precisely matches air flow to meet actual demand. This further reduces the fuel consumption of these already efficient machines.

The emissions-free alternative

Instead of a petrol engine, the emissions-free and super-quiet M 13E is equipped with an IP54 ISO F 3-phase motor, making it the perfect choice for use in closed environments and in sound-sensitive areas.

Easy-load design

The compressor can be manually lifted via four ergonomically designed hand grips to enable easy loading into a van, for example.

Outstanding manoeuvrability

Compact design, large pneumatic tyres, a low centre of gravity and a long, stowable tow bar make manoeuvrability simple.

Compressed air treatment (Option)

The M 13, M 15 and M 17 can be operated with an external compressed air aftercooler (for cool, condensate-free compressed air) or with an additional microfilter combination (for technically oil-free compressed air); moreover, the filter can be bypassed if needed. Units are delivered ready prepared ex-works with:

- 12-V electrical connection for voltage supply to the aftercooler fan
- Connection for return of separated condensate (in the petrol version it is evaporated via the hot exhaust gases; in the electric version condensate is collected via an integrated tank)

Both support frames are equipped with fixed connections for compressed air, fan power supply and condensate return. All you need you to do is connect the suitably equipped compressor.

User-friendly as standard

No matter which model you choose, every KAESER Mobilair compressor is designed with unrivalled user-friendliness and manoeuvrability in mind and provides optimum component access for ease of maintenance. This not only minimises maintenance costs, but also assures maximum machine availability.

Technical specifications

Petrol engine versions

Model	Compressor				Petrol engine				Package				
	Flow rate		Working pressure		Make	Model	Rated engine power	Speed at full load	Fuel tank capacity	Operating weight	Sound power level*)	Sound pressure level**)	Compressed air outlet***)
	m³/min	cfm	bar	PSI			kW	rpm	l	kg	dB(A)	dB(A)	
M 13	1.20 1.00 0.90 0.85	42 35 32 30	7 10 12 13	100 145 175 190	Honda	GX 630	15.5	2500	20	202	≤97	76	1 × G½
M 15	1.4	50	7	100	Honda	GX 630	15.5	3000	20	202	Only for export outside of the EU		1 × G½
M 17	1.6	57	7	100	Honda	GX 630	15.5	3300	20	204	Only for export outside of the EU		1 × G½
	1.0	35	15	215				2300			≤97	76	

Electric version

Model	Compressor				Electric motor (3-phase)				Package				
	Flow rate		Working pressure		Make	Model	Rated motor power	Voltage variants	Recommended fusing	Operating weight	Sound power level*)	Sound pressure level**)	Compressed air outlet***)
	m³/min	cfm	bar	PSI			kW		l	kg	dB(A)	dB(A)	
M 13E	1.20 1.00 0.90 0.85 0.75	42 35 32 30 27	7 10 12 13 15	100 145 175 190 215	ABM	4D112-M-2	7.5	400V 50 Hz 230V 50 Hz 460V 60 Hz	25A	187	≤97	73	1 × G½

*) Guaranteed sound power level L_{WA} as per directive 2000/14/EG
**) Surface sound pressure level L_{pA} as per ISO 3744 (r = 10 m)
***) G½" = Connection thread size – Hoses with G¾" claw couplings can be connected

Dimensions

The world is our home

As one of the world's largest manufacturers of compressors, blowers and compressed air systems, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiaries and authorised distribution partners in over 140 countries.

By offering innovative, efficient and reliable products and services, KAESER KOMPRESSOREN's experienced consultants and engineers work in close partnership with customers to enhance their competitive edge and to develop progressive system concepts that continuously push the boundaries of performance and technology. Moreover, decades of knowledge and expertise from this industry-leading systems provider are made available to each and every customer via the KAESER group's advanced global IT network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at peak performance at all times, whilst providing maximum availability.

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