



MOBILAIR M 13E

Portable Compressor

With the world-renowned SIGMA PROFILE[✱]

Flow rate 0.75 to 1.25 m³/min (27 – 44 cfm)

MOBILAIR M 13E

Compact design with impressive performance

Powerful, compact, and flexible – performance is no longer a matter of size or drive type. Thanks to its e-power electric motor, the compact yet powerful MOBILAIR M 13E is exceptionally versatile. The whisper-quiet electric drive makes it the perfect choice for use in low emission and noise protection zones. Emissions-free operation also means it is ideal for working in tunnels, excavation pits and buildings. Exceptionally compact and lightweight, the M 13E delivers up to 1.25 m³ of quality compressed air per minute (at 7 bar), depending on the specific version.

Exceptionally versatile

This versatile, electric portable compressor can be perfectly adapted to meet the needs of the specific application, thanks to the wide range of optional compressed air treatment components. Moreover, the option of portable versions or stationary configurations with machine feet means that the M 13E is ideally suited to all working environments.

Durable and resilient

The MOBILAIR M 13E is well equipped for demanding, long-term construction site use, under the harshest of operating conditions. Even standard versions are capable of operating in ambient temperatures ranging from -10 °C to +45 °C. Start-up of the electric portable compressor is remarkably simple with just a single switch. The star-delta starting mechanism prevents start-up current surges, while motor rotation monitoring ensures reliable operation. The integrated phase changer in the add-on connector enables quick and easy phase changeover.

Made in Germany

The various ranges of MOBILAIR portable compressor 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 TÜV-certified sound testing area for free-field sound level measurement, a facility for high-performance, high-quality powder coating, and efficient manufacturing logistics.

SIGMA PROFILE airend

At the heart of every MOBILAIR system lies a premium-quality airend featuring KAESER's energy-saving SIGMA PROFILE rotors. The airend's optimised flow characteristics enable it to deliver more compressed air for less energy.



Typical applications



Construction hammers



Sewer robots



Impact moles



Pneumatic spades



Pneumatic grinders



Cable blowing

Compact design with impressive performance

4 Oil separation with spin-on cartridge

For faster maintenance, the MOBILAIR M 13E features a spin-on cartridge on the oil separator tank. This quick-change capability ensures simple and cost-effective servicing.

5 Easy-load design

The compressor can be manually lifted via four ergonomically designed hand grips to enable easy loading into a van, for example – additional lifting gear is not necessary.

6 User-friendliness 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 access to maintenance-relevant components.



1 Intuitive operation

The user-friendly control panel, featuring a pressure gauge, operating hours counter and airtend discharge temperature monitoring, ensures straightforward and intuitive operation.

2 Simple start-up

The electric version starts with just one switch using star-delta starting to prevent start-up current surges.

3 The emissions-free alternative

The MOBILAIR M 13E with three-phase motor (IP54 ISO F) is designed for use in enclosed spaces and/or noise-sensitive areas. Its drive system is emissions-free and exceptionally quiet.

7 Easy to transport

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

8 Outstanding manoeuvrability

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

9 Special PE colours

The corrosion- and scratch-proof, roto-moulded polyethylene enclosure is also available in the following special colours: red, green, blue, orange, white. Other colours are available upon request.

Optional compressed air treatment

The MOBILAIR M 13E can be operated with an external compressed air aftercooler and, optionally, with an additional microfilter combination featuring filter bypass capability. Units are delivered ready-prepared ex-works with:

- 12V electrical connection for aftercooler fan
- Connection for return of separated condensate (collected in a built-in container)

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



Technical data

Model	Compressor				Electric motor (3-phase)				System				
	Flow rate		Working pressure		Make	Model	Rated motor power	Voltage variants	Recommended fuse protection	Operating weight	Sound power level ¹⁾	Sound pressure level ²⁾	Compressed air outlet ³⁾
	m ³ /min	cfm	bar	PSI									
M 13E	1.25	44	7	100	Innomotics ⁴⁾	4D112-M-2	7.5	400V 50 Hz	25A	187	≤97	73	1 x G½
	1.00	35	10	145									
	0.85	30	13	175									
	0.75	27	15	210									

¹⁾ Guaranteed sound power level LWA as per directive 2000/14/EC

²⁾ Surface sound pressure level LpA as per ISO 3744 (r = 10 m)

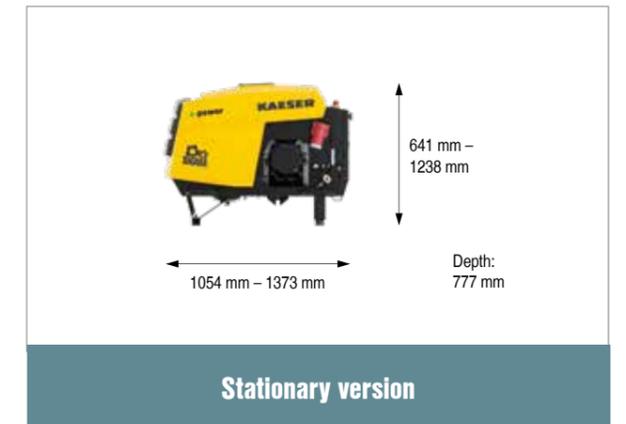
³⁾ G½" = Connection thread size – Hoses with G¾" claw couplings can be connected

⁴⁾ Innomotics, previously Siemens

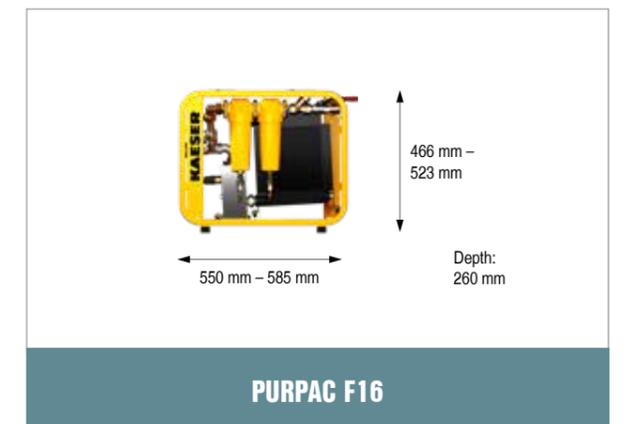
Compressed air treatment variants

System A - Cool - Condensate-free		Cool, condensate-free compressed air (100 % saturated), for compressed air tools and temporary replacement of 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 (ZTV-ING)

Dimensions



Note: Specifications may vary depending on version.



KAESER KOMPRESSOREN – Sustainability guaranteed

To learn more about the new standards KAESER has established in reliability, efficiency and sustainability, visit us at www.kaeser.de/unternehmen/ueber-uns/sustainability/.



RETHINK



RESEARCH



REDUCE



REPAIR



More compressed air for less energy

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 wholly owned 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 the peak of its performance at all times, providing optimal efficiency and maximum availability.



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