KAESER COMPRESSORS®

MOBILAIR M 125

Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate 9.7 to 11.5 m³/min (345 – 405 cfm)

www.kaeser.com

MOBILAIR M 125

A perfect union of power and efficiency

Powerful, economical and environmentally friendly – the MOBILAIR M 125 provides the perfect union of performance, efficiency and eco-friendliness. Its state-of-the-art KAESER rotary screw airend with the energy-efficient SIGMA PROFILE works in tandem with a powerful Deutz diesel engine to meet the stringent requirements of both EU Directive 2016/1628 Stage V and EPA Tier 4 Final. But it's not just eco-friendliness that makes the M 125 stand out – its flexibility is also second to none: thanks to the innovative pV Control, maximum pressure can be set precisely in steps of 0.1 bar – from 5 up to 14.5 bar. This setting has direct influence over the flow rate, enabling perfect adaptation to applications such as blasting work, cable blowing or concrete spraying.

Exceptionally versatile

Portable compressors can be precisely tailored to meet the needs of the specific task at hand. Thanks to the wide range of optional compressed air treatment components, they always deliver the required compressed air quality. Moreover, the choice of various chassis configurations with overrun brake, or stationary versions on skids / machine feet, means that these compressors can be perfectly suited to any work environment.

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 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.

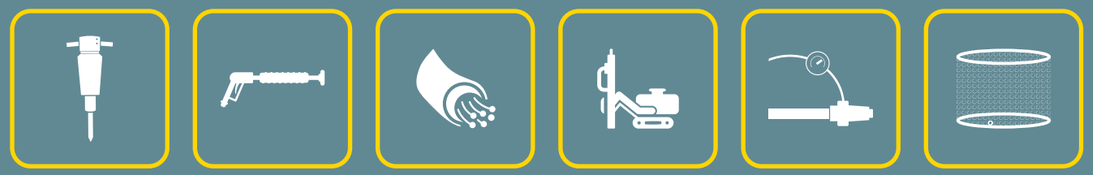
Durable and resilient

The M 125 is well equipped for continuous construction site duty, even under the harshest of conditions. Even standard versions are capable of operating in ambient temperatures ranging from -10 °C to +45 °C. The optional low-temperature version features engine coolant preheating, whilst synthetic cooling fluid is used for the compressor.

Airend with SIGMA PROFILE

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



Air hammers | Blasting work | Cable blowing | Drilling | Concrete spraying | Bubble curtains

Take flight with flexible performance

4 Generous tank capacity

When full, the fuel tank has sufficient capacity to last for an entire work shift. The tank fill level can be checked at a glance via the analogue fuel gauge, and an automatic shutdown feature is activated when the fuel level becomes too low. For added convenience, a fuel warning is displayed on the controller.

5 Safety air filter as standard

When cleaning the air filter, additional safety elements prevent damage from occurring due to ingress of contaminants. This enables maintenance to take place even under harsh environmental conditions.

6 Closed floor pan

The optional closed floor pan catches any liquids in order to safeguard against direct ground contamination. All drainage holes are sealed with screw plugs.

1 SIGMA CONTROL MOBIL 2

As the latest controller to feature touch display technology, the SIGMA CONTROL MOBIL 2 allows convenient pressure adjustment even when wearing work gloves. The easy-to-read display provides a clear overview of all operating data.

2 Intuitive operation

Using state-of-the-art electronic engine management, this advanced compressor controller ensures optimised compressed air availability, fuel efficiency, and exhaust air management. Functions include an operating mode display and an intuitive user interface, as well as system monitoring and diagnostics.

3 Safe and easy to transport

Regardless of the destination, safety is KAESER's key priority when it comes to transporting the M 125. These mobile all-rounders are therefore equipped as standard with a lifting eye and lashing points for secure transportation.

7 Technically oil-free compressed air

Depending on the application, the compressor can also be equipped with a microfilter combination for technically oil-free compressed air. With a compressed air oil aerosol content of less than 0.01 mg/m³ as per ISO 8573-1, applications can be carried out in compliance with ZTV-ING standards.

8 Suitable for refinery use

To ensure safe operation in refineries, portable compressors are optionally equipped with a spark arrestor and an engine shut-off valve, which automatically shuts the machine down upon intake of combustible gases.

9 Perfect generator control

The M 125 is optionally available with a generator. Ensuring perfect interplay with the engine management system, the compressor controller delivers maximum compressed air availability relative to power demand.

TELEMATICS @ MOBILAIR

TELEMATICS enables remote monitoring of the compressor's operating status. KAESER equips its portable compressors with a built-in modem, connecting them to the TELEMATICS portal. The integrated compressor controller determines and processes all operating data, which it subsequently forwards to the TELEMATICS portal. Central monitoring and processing of operating messages is performed in the dashboard. You can therefore view operating data, current messages, and system location online.

Compressed air treatment variants

System A - Cool - Condensate-free	Compressed air aftercooler → Centrifugal separator	Cool, condensate-free compressed air (100% saturated), **for compressed air tools and temporary replacement of stationary compressors**
System F - Cool - Condensate-free - Filtered	Compressed air aftercooler → Centrifugal separator → Filter	Cool, condensate-free compressed air (100% saturated), **free from contaminants and technically oil-free as per applicable regulations (ZTV-ING)**
System B - Warmed - Dried	Compressed air aftercooler → Centrifugal separator → Reheating	Dried compressed air, warmed to min. 20 °C, **for working at sub-zero temperatures and with long air lines**
System G - Warmed - Dried - Filtered	Compressed air aftercooler → Centrifugal separator → Filter → Reheating	Dried compressed air, warmed to min. 20 °C, **free from dirt particles and technically oil-free as per applicable regulations (ZTV-ING)**

KAESER KOMPRESSOREN – Sustainability guaranteed

To learn more about the new standards KAESER has established in reliability, efficiency and sustainability, visit us at **www.kaeser.com/int-en/company/sustainability/resource-saving-product-development**.

RETHINK RESEARCH REDUCE REPAIR

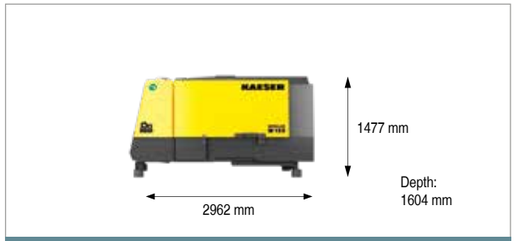
Technical data

Model	Compressor				4-cylinder diesel engine			System					
	Flow rate		Working pressure		Make	Model	Rated engine power	Fuel tank capacity	AdBlue capacity	Operating weight	Sound power level *)	Sound pressure level **)	Compressed air outlet
	m³/min	cfm	bar	PSI			kW	l	l	kg	dB(A)	dB(A)	
M 125	11.5	405	14	200	Deutz	TCD4.1L04	105	170	10	2020	99	76	3 x G ¾ 1 x G 1½

*) Guaranteed sound power level LWA as per Directive 2000/14/EC
**) Surface sound pressure level LpA as per ISO 3744 (r = 10 m)

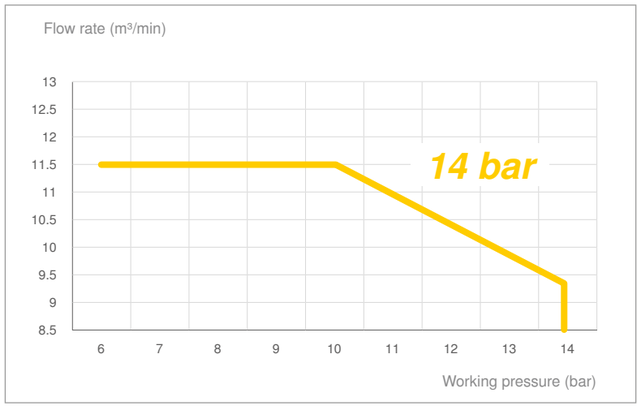
Dimensions

Height-adjustable version



Stationary version

Note: Dimensions may vary depending on version.



pV Control

Maximum pressure (*p*) can be variably adjusted in steps of 0.1 bar. *pV* Control directly influences the maximum possible flow rate (*V*) and therefore offers even greater variability in terms of pressure and flow rate. This feature is particularly beneficial when working with longer hose lines.

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.

TÜVRheinland CERTIFIED
Management System
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 9108616471

KAESER Compressors Ltd.
Unit 43/44 Western Parkway Business Park – Ballymount Road – Dublin 12
Tel: 00353/1-456 54 33 – Lo-call: 1850 36 94 00 – Fax: 00353/1-456 73 28
Email: info.ireland@kaeser.com – www.kaeser.com

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