



MOBILAIR M 235

Portable Compressor

With the world-renowned SIGMA PROFILE^{☆☆}

Flow rate 18.1 to 23.3 m³/min (640 – 825 cfm)

MOBILAIR M 235

Unrivalled performance for the toughest applications

Powerful, versatile and durable – the MOBILAIR M235 provides ultimate dependability with maximum performance. Thanks to the potent combination of a rotary screw airend with the highly efficient SIGMA PROFILE and a powerful 201 kW CUMMINS engine, this portable compressor delivers impressive performance and fuel efficiency. This makes it ideal for continuous operation on construction sites, even under extreme weather conditions. A wide range of compressed air treatment components mean the M 235 can be perfectly adapted for any application, delivering up to 23.3 m³ of compressed air per minute.

For maximum safety when operating in refineries, the M 235 is equipped with a standard spark arrestor and engine shut-off valve. Power, efficiency and economical operation make this your perfect partner for demanding applications!

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 a construction site chassis with a steerable axle and fold-up drawbar, or stationary installation using skids or machine feet, make them perfectly suited to any location.

Durable and resilient

The MOBILAIR M 235 provides a dependable supply of quality compressed air, even under the harshest of operating conditions. This resilient powerhouse operates flawlessly at ambient temperatures from -10 °C to +50 °C. Furthermore, the compressor controller ensures a safe and smooth start-up even at high elevations.

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



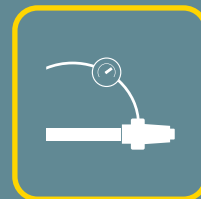
Bridge
construction



Tunnel
construction



Drilling



Concrete
spraying



Mining
applications



Quarry
applications



Efficient and durable



4 Suitable for refinery use

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

5 Service-friendly

MOBILAIR compressors make maintenance simple. All maintenance points are conveniently accessible via two large flaps in the bodywork. KAESER also provides tailored maintenance contracts to meet your specific needs.

6 Safe and easy to transport

Regardless of the destination, safety is KAESER's key priority when it comes to transporting the M235. The system is therefore fitted as standard with lashing eyes, forklift pockets, and a crane lifting device.



1 Compressed air aftercooler

In the aftercooler, the compressed air is cooled to 7 °C above ambient temperature. Its angled installation ensures frost-proof drainage of the condensate, which is evaporated by the hot exhaust gases.

2 SIGMA CONTROL SMART

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 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.

7 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.

8 Parking brake

Easy access for actuation of the powerful parking brake and the fold-up drawbar ensure safe and space-saving installation or storage.

9 Generous tank capacity

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

TELEMATICS @ MOBILAIR

TELEMATICS condition monitoring brings Industrie 4.0 to the construction site. 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.

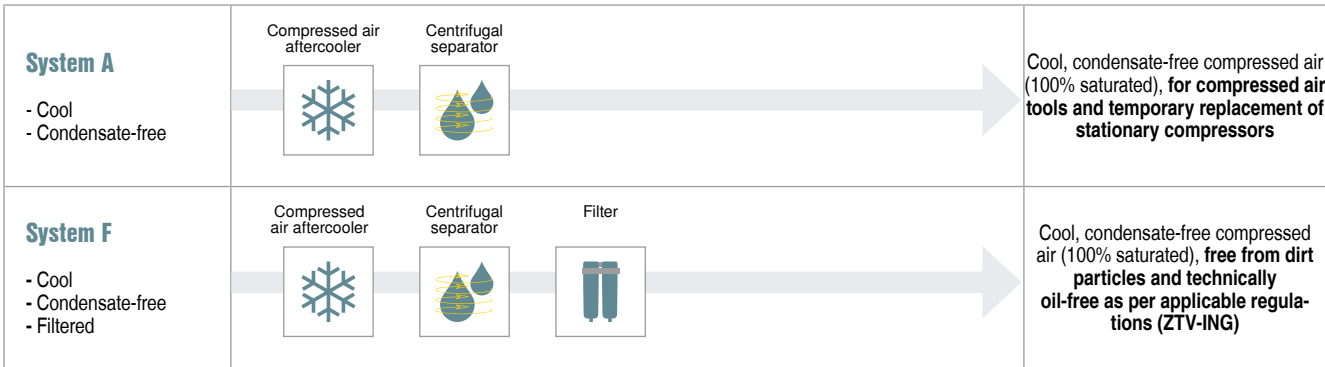


Technical data

Model	Compressor				Engine			System		
	Flow rate		Working pressure		Make	Model	Rated engine power	Fuel tank capacity	Operating weight	Compressed air outlet ^{*)}
	m³/min	cfm	bar	PSI						
M 235	23.3 22.6 19.8 18.1	825 800 700 640	8.6 10 12 14	125 145 175 200	Cummins	QSB 6.7	201	420	3140	3 x G ¾ 1 x G 2 1 x G ¾ 2 x G 2

^{*)} Guaranteed sound power level LWA as per directive 2000/14/EC
^{**)} Surface sound pressure level LpA as per ISO 3744 (r = 10 m)
^{***)} G ½" = Connection thread size – Hoses with G ¾" claw couplings can be connected

Compressed air treatment variants



Dimensions



KAESER KOMPRESSOREN – Sustainability guaranteed

To learn more about the new standards KAESER has established in reliability, efficiency and sustainability, visit us at <https://www.kaeser.com/int-en/company/sustainability>



RETHINK



RESEARCH

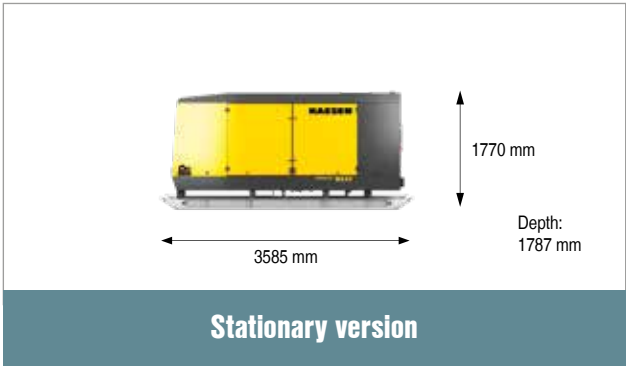


REDUCE



REPAIR





Note: Figures may vary depending on version.

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.



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018



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