



# MOBILAIR M 250

## Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate 20.2 to 26.3 m<sup>3</sup>/min (705 – 930 cfm)

# MOBILAIR M 250

The powerful combination of the highly efficient KAESER SIGMA PROFILE rotary screw airend and an energy-saving Mercedes-Benz engine provides impressive performance and fuel efficiency. Together with other innovative features, this compact powerhouse is yet another dependable and efficient compressed air partner from KAESER KOMPRESSOREN.

## Maximum versatility

The MOBILAIR M 250 can be specifically tailored to meet the needs of the relevant application thanks to the wide range of optional compressed air treatment components available. Moreover, the selection of road and construction site chassis with run-on or compressed air brakes with ABS, as well as stationary models on skids or machine mounts, enables the M 250 to be perfectly suited to meet the specific application's needs.

## Made in Germany

MOBILAIR portable compressors are manufactured at KAESER's headquarters located in Coburg, Northern Bavaria. Equipped with the very latest technology, the all-new portable compressor plant boasts TÜV (German Technical Inspection Agency) certified sound testing facilities for free-field sound level measurement, an advanced powder coating installation and highly efficient production logistics.



## Tough performer

The M 250 is well-equipped for continuous gruelling construction site duty, even under the harshest of conditions. Even the standard version is capable of operating in an ambient temperature range from -10 °C to +50 °C. The optional low-temperature version features engine coolant pre-heating, and synthetic cooling fluid is used for the airend.

## A powerful team

Via the innovative SIGMA CONTROL MOBILE controller with optional start-stop features, M 250 compressors can be started and controlled by compressed air management systems such as the SIGMA AIR MANAGER. They can therefore be fully integrated into stationary compressed air systems (as a standby for power outages) or combined in compressor stations that are completely independent of the power supply (major construction sites far away from the necessary infrastructure, emergency standby).

## Setting the standard in the 25 cubic metre class





## KAESER quality and efficiency for every need



### Durable diesel engine

The Mercedes-Benz drive engine is certified in accordance with EC RL 2004/26, Stage IIIA and US exhaust emissions standard EPA Tier 3.



### SIGMA CONTROL MOBILE

This advanced compressor controller ensures optimised compressed air availability, fuel efficiency and exhaust gas minimisation using state-of-the-art electronic engine management. Functions include operating mode display, intuitive user interface, monitoring and system diagnostics.



### SIGMA PROFILE air end

At the heart of every M 250 system lies a premium quality air end featuring KAESER's SIGMA PROFILE rotors. The air end's optimised flow characteristics enable it to deliver more air while using less energy.



### Energy-saving fan

Fan speed is precisely adjusted via a viscous clutch according to engine coolant, inlet air and air end discharge air temperatures by the SIGMA CONTROL MOBILE. This cuts fuel consumption by up to five percent.

# Quality compressed air – all the time, every time



## Excellent accessibility, optimum serviceability

The compressor's large enclosure doors provide excellent component accessibility for unrivalled ease of maintenance. Service and maintenance work can therefore be carried out quickly and effectively, thereby ensuring maximum efficiency and compressed air availability.



## Worldwide KAESER service

KAESER's global service organisation, with its rapid, computer-aided spare parts shipment capability, is key to reliable and efficient compressed air supply. Optional custom service contracts are also available.



## Outstanding endurance

With a capacity of 250-litres of diesel fuel for the 3.5-tonne chassis version and 350-litres for the 4-tonne chassis version and stationary models, the two-part fuel tank can be filled from either side of the unit.



## Easy to operate

Thanks to the SIGMA CONTROL MOBIL and intuitive operation, only three buttons are required to operate the compressor. Furthermore, the monitoring system can automatically shut the system down as required. The control panel is protected by a durable metal cover.





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M 250

SIGMA

**M250**

# Available equipment

## Sealed floor pan

The sealed floor pan catches all liquids and therefore prevents potential soil contamination in environmentally sensitive zones. All drainage holes are sealed with screw plugs.

## Pressure variants

Models are available in various pressure versions ranging from 8.6 to 14 bar. Pressure can easily be adjusted in steps of 0.5 bar from 6.5 bar to 0.5 bar above nominal pressure using the SIGMA CONTROL MOBILE's arrow keys. The pressure adjustment feature can also be electronically disabled to prevent tampering.

## Compressed air treatment

The compressed air is cooled to 7 °C above ambient temperature. The condensate is removed via a flow-optimised axial centrifugal separator and is subsequently

evaporated using the hot exhaust gases from the engine. A filter combination can be installed for applications requiring technically oil-free compressed air and a plate-type heat exchanger can be installed for compressed air return heating purposes.

## Suitable for refinery use

A certified spark arrestor is available for refinery applications. The engine shut-off valve automatically shuts the unit down upon intake of combustible gases.

## Industry 4.0 @ MOBILAIR

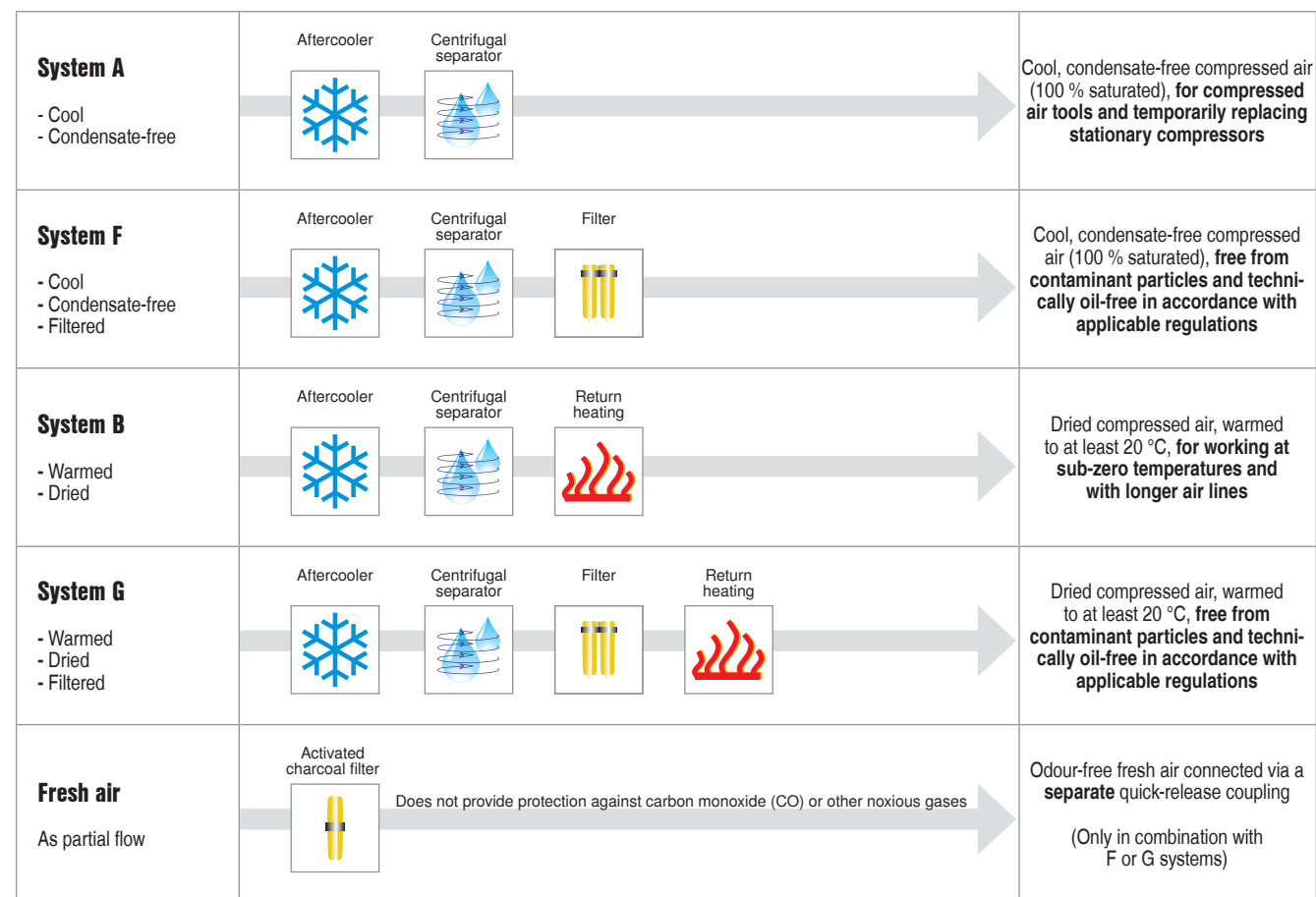
The MOBILAIR Fleet Management online tool provides operators with a range of data including working pressure, fuel level, service alerts, location and machine loading. The system optimises service processes by sending notifications regarding e. g. fault causes and upcoming scheduled maintenance measures.

# Technical specifications

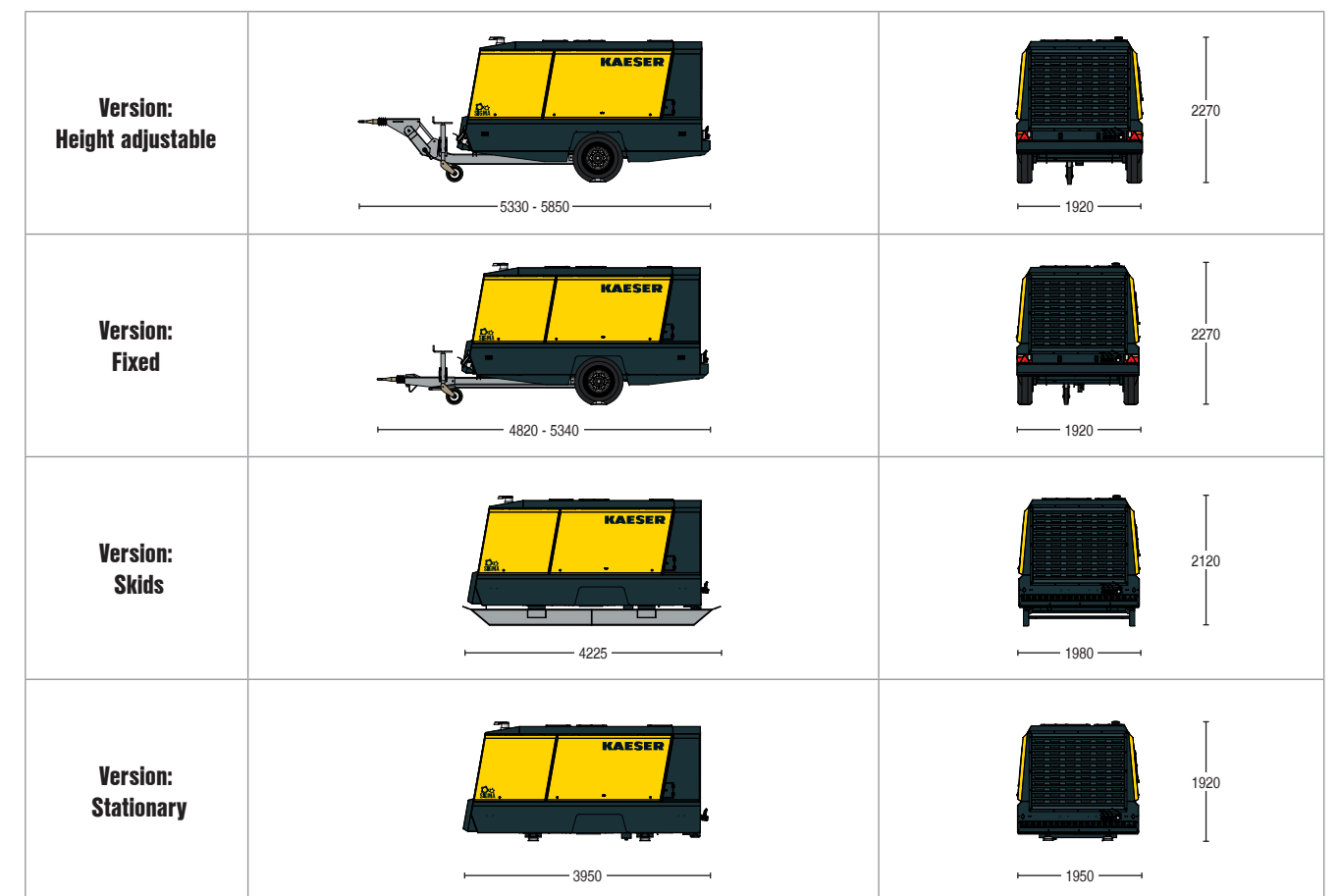
Model	Compressor				6-cylinder diesel engine (water-cooled)				Package		
	Flow rate		Operating pressure		Make	Type	Rated engine power	Speed at full load	Fuel tank capacity	Operational weight <sup>1)</sup>	Compressed air outlet
	m <sup>3</sup> /min	cfm	bar	PSI							
M250	26.3 25.0 22.5 20.0	930 885 795 705	8.6 10 12 14	125 145 175 200	Mercedes Benz	OM926LA	210	1800	250	3390	1 x G2 3 x G¾

<sup>1)</sup> Weight specifications for basic system without compressed air treatment equipped with overrun brake chassis

# Compressed air treatment systems



# Dimensions



# The world is our home

As one of the world's largest compressed air systems providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners.

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.



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