



MOBILAIR® M 200

Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate 14.5 to 21.2 m³/min (515 – 750 cfm)

MOBILAIR® M 200

The perfect energy-saving combination: Caterpillar engine and KAESER airend

The powerful partnership of an energy-saving Caterpillar engine and the highly efficient KAESER SIGMA PROFILE rotary screw airend combines outstanding performance with considerably reduced fuel consumption. The MOBILAIR M200 can operate at full power for a whole shift without refuelling.

Furthermore, users not only benefit from the quality of two world-class products, but can also rely on the comprehensive KAESER KOMPRESSOREN and Caterpillar global service networks to ensure maximum machine availability.

Exceptional versatility

The MOBILAIR M200 is in a class of its own when it comes to versatility, as it can be specifically tailored to meet the needs of the relevant application.

Options include compressed air treatment components, a choice of a fully galvanised chassis with overrun brake and a fixed or height adjustable tow bar, or stationary versions either installed on skids or machine mountings.

SIGMA CONTROL MOBILE

This advanced compressor controller ensures optimised compressed air availability and fuel efficiency using state-of-the-art electronic engine management. The system is both shock and vibration proof corresponding to IP 65 electrical protection. Features include operational mode display, intuitive operation, system monitoring and diagnostics.

Easy to transport

The M200 features a fully galvanised Alko chassis as standard. This not only ensures long-term value retention, but also makes transportation simple – a truck is not required to tow the unit.

Excellent accessibility

The M200's user-friendly design not only ensures simple operation and outstanding manoeuvrability: the unit's large enclosure doors also provide excellent component accessibility for unrivalled ease of service. Stationary systems are equipped as standard with maintenance connections for draining of engine oil and compressor fluid.

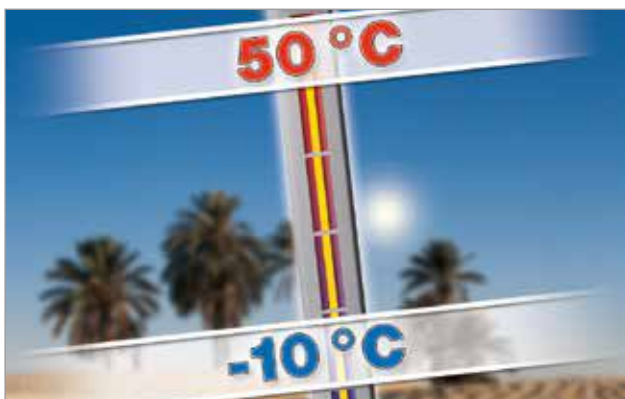


Simple to operate

The ability to switch over manually from idling to full load operation ensures a reliable, gentle start when operating the unit in cold ambient conditions. The SIGMA CONTROL MOBILE and intuitive operation mean that only 3 buttons are required to operate the M200. Features also include automatic monitoring and shutdown and a metal cover flap to protect the control panel.

Impressive power and efficiency





Ambient temperature

Standard units are rated for ambient temperatures between -10 and +50 °C. A version for lower ambient temperatures is also available.



Simple and convenient pressure adjustment

Using the arrow keys, system pressure can be precisely adjusted in 0.1 bar increments on the SIGMA CONTROL MOBILE's display. This not only enhances flexibility but, in combination with the electronic inlet valve control, also achieves significant energy savings – especially when operating in partial load.



Dedicated intake filter for engine and compressor

Optimised design and separate safety air filters considerably enhance reliability and service life. The filters can be changed on-site quickly and easily as required.



Large capacity, transparent fuel tank

When fully filled, the tank carries sufficient fuel for an entire work shift without the need for refuelling. For ease of operation, the fuel level can be seen at a glance via the analogue fuel gauge and an automatic shut-down feature is activated when the fuel level becomes too low. A pre-warning from the SIGMA CONTROL MOBILE provides additional peace of mind.

Equipment variants

Sealed floor pan

The sealed floor pan immediately 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 7 to 14 bar. Pressure can easily be adjusted in steps of 0.5 bar from 6 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 centrifugal separator and is subsequently evaporated by 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 heat recovery purposes.

Suitable for refinery use

A certified spark arrester 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 on-line tool provides operators with a range of data including working pressure, tank 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.

Compressed air treatment systems

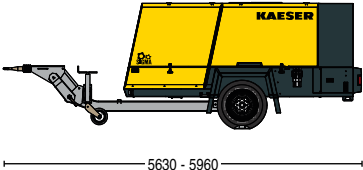
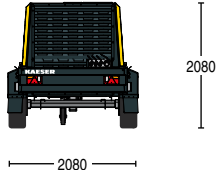
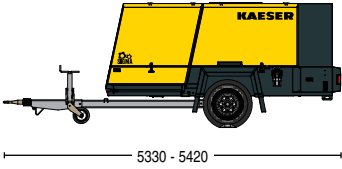
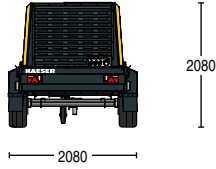
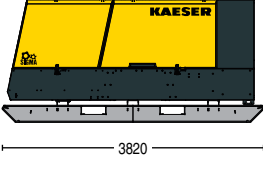
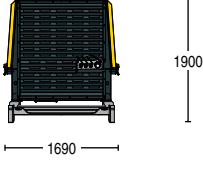
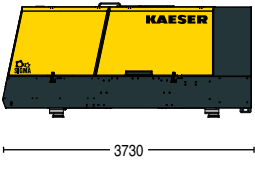
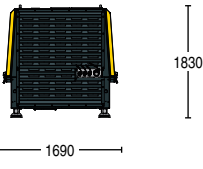
| | | |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>System A</p> <ul style="list-style-type: none"> - Cool - Condensate-free | | <p>Cool, condensate-free compressed air (100 % saturated), for compressed air tools and temporarily replacing stationary compressors</p> |
| <p>System F</p> <ul style="list-style-type: none"> - Cool - Condensate-free - Filtered | | <p>Cool, condensate-free compressed air (100 % saturated), free from contaminant particles and technically oil-free in accordance with applicable regulations</p> |
| <p>System B</p> <ul style="list-style-type: none"> - Warmed - Dried | | <p>Dried compressed air, warmed to at least 20 °C, for working at sub-zero temperatures and with longer air lines</p> |
| <p>System G</p> <ul style="list-style-type: none"> - Warmed - Dried - Filtered | | <p>Dried compressed air, warmed to at least 20 °C, free from contaminant particles and technically oil-free in accordance with applicable regulations</p> |
| <p>Fresh air</p> <p>As partial flow</p> | <p>Does not provide protection against carbon monoxide (CO) or other noxious gases</p> | <p>Odour-free fresh air connected via a separate quick-release coupling</p> <p>(Only in combination with F or G systems)</p> |

Technical specifications

| Model | Compressor | | | | 6-cylinder diesel engine (water-cooled) | | | | Package | | |
|-------|---------------------|-----|------------------|-----|-----------------------------------------|-------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| | Flow rate | | Working pressure | | Make | Type | Rated engine power | Speed at full load | Fuel tank capacity | Operational weight | Compressed air outlet |
| | m ³ /min | cfm | bar | PSI | | | | | | | |
| M200 | 21.2 | 750 | 7 | 100 | Caterpillar | C 6.6 ACERT | 146 | 1950 | 270 | 3235 | 1 x G 2 3 x G ¾ |
| | 19.7 | 700 | 8.6 | 125 | | | | | | | |
| | 18.0 | 640 | 10 | 145 | | | | | | | |
| | 16.0 | 565 | 12 | 175 | | | | | | | |
| | 14.5 | 515 | 14 | 200 | | | | | | | |

*) Weight specifications for basic system without compressed air treatment equipped with overrun brake chassis

Dimensions

| | | |
|-------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Version: Height adjustable |  |  |
| Version: Fixed |  |  |
| Version: Skids |  |  |
| Version: Stationary |  |  |

The world is our home

As one of the world's largest compressed air system providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 countries.

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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