KAESER KOMPRESSOREN®

MOBILAIR M 20

Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate up to 2.0 m³/min (71 cfm)

www.kaeser.com

MOBILAIR M 20

Maximum performance, minimal weight

Robust, lightweight and powerful – the MOBILAIR M 20 proves that outstanding performance doesn't have to come with a high operating weight. With a delivery volume of 2 m³/min at 7 bar, this versatile unit provides enough power to easily run two 18 kg breakers, all at an impressively low weight of under 460 kg.

This is made possible by its state-of-the-art design featuring an energy-efficient rotary screw airend with flow-optimised SIGMA PROFILE rotors, loss-free 1:1 drive, and a water-cooled three-cylinder Kubota diesel engine. The best part: this versatile portable compressor meets Stage V emissions standards without the need for a diesel particulate filter or AdBlue. Whether on site or on the move, the M 20 is the ideal choice when it comes to providing maximum efficiency with minimal weight.

Exceptionally versatile

Portable compressors can be precisely tailored to meet the needs of the specific task at hand. Thanks to a wide range of optional compressed air treatment components, they always deliver the required compressed air quality. Moreover, the choice of various chassis configurations – with or without overrun brake – and the ability for stationary installation using skids or machine feet make them perfectly suited for any location.

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.

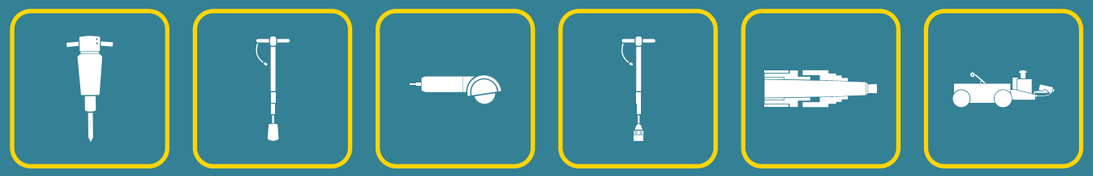
Durable and resilient

The MOBILAIR M 20 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 | Pneumatic spades | Pneumatic grinders | Compressed air lances | Impact moles | Sewer robots

Exceptionally versatile

4 Service-friendly

MOBILAIR compressors make servicing simple. All maintenance points are conveniently accessible thanks to the wide opening angle of the enclosure. KAESER also provides tailored maintenance contracts to meet your specific needs.

5 Metal or PE enclosure

Choose between a resilient PE enclosure or a robust metal enclosure. The PE version stands out for its exceptionally low weight, whilst the metal version impresses with outstanding durability. Both variants provide dependable protection from dust, dirt, and moisture.

6 Generous tank capacity

When full, the fuel tank has sufficient capacity to last for an entire work shift. The transparent tank enables the fuel level to be checked easily, and an electric fuel feed pump automatically vents the tank if it runs dry.

1 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.

2 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 enclosure colours are available upon request.

3 Anti-Frost Control

Specially developed by KAESER for portable compressors, the Anti-Frost Control automatically adjusts operating temperature in relation to ambient. In combination with the optional tool lubricator, this feature prevents air tools from freezing up and significantly extends their service life.

7 Closed floor pan

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

8 Intuitive operation

Operation is made simple via intuitive icons and a start switch with preheating function. The system also features fully automatic monitoring and automated shutdown in the event of malfunction, whilst a pressure gauge and temperature display enable operating status to be viewed at a glance.

9 Hose reel

The factory-installed hose reel holds 20 m of lightweight hose, which does not need to be fully reeled out. It protects the hose from damage and contamination, thereby extending its service life.

Optional compressed air treatment

The MOBILAIR M 20 can be operated with an external compressed air aftercooler and, optionally, with an additional microfilter combination featuring filter bypass capability. Systems are delivered ready-prepared ex-works with:

- 12 V electrical connection for the 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 correspondingly prepared compressor.

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)**

KAESER KOMPRESSOREN – Sustainability guaranteed

If you would like to learn more about the new standards KAESER has set in reliability, efficiency and sustainability, please visit **https://www.kaeser.com/int-en/company/sustainability**.

RETHINK RESEARCH REDUCE REPAIR

Technical data

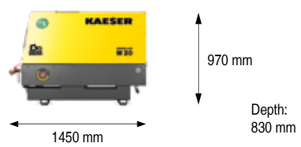
Model	Compressor				Diesel engine			System				
	Flow rate		Working pressure		Make	Model	Rated engine power	Fuel tank capacity	Operating weight	Sound-power level *)	Sound pressure level **)	Compressed air outlet
	m³/min	cfm	bar	PSI			kW	l	kg	dB(A)	dB(A)	
M 20	2	71	7	100	Kubota	D 722	14.7	30	457	97	76	2 x G ¾

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

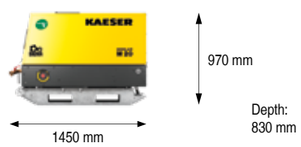
Dimensions

Height-adjustable version, braked

Fixed version, unbraked



Stationary version



Skid-mounted version

Note: Dimensions 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.

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