



# MOBILAIR® M20

**Portable Compressor**

With the world-renowned SIGMA PROFILE 

Flow rate 2.0 m<sup>3</sup>/min (71 cfm)

**[www.kaeser.com](http://www.kaeser.com)**

# MOBILAIR® M 20

## The perfect energy-saving combination: Kubota engine and KAESER airend

Powered by a water-cooled, three-cylinder Kubota diesel engine via loss-free direct drive, the M 20 delivers exceptional performance thanks its low-speed, energy-saving KAESER rotary screw airend equipped with high-efficiency SIGMA PROFILE rotors.

### Maximum versatility

The M 20 portable compressor is the perfect partner for a wide range of applications including excavation and demolition work, impact borers, low-pressure blasting equipment, compressed air lances, compressed air spades and much more. Durable construction and premium-quality components ensure trouble-free operation in ambient temperatures from -10°C to +45°C. A low-temperature version is also available for use in colder conditions. Versatility is further enhanced by the chassis, which can be equipped with a fixed or height-adjustable tow bar, with or without an overrun brake. Stationary versions feature a metal enclosure and can be mounted either on skids or machine feet.

### Lightweight

Powerful does not automatically mean heavy: with a low operating weight of less than 460kg, the M 20 is exceptionally easy to manoeuvre and transport. Moreover, its 30-litre fuel tank ensures more than enough capacity to last an entire work shift.

### Made in Germany

MOBILAIR portable compressors are 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 sound testing area certified by the TÜV for free-field sound level measurement, a complete powder-coating facility and highly efficient manufacturing logistics.

### Separate air filters for engine and compressor

The air filters are matched to the specific air demand and therefore ensure dependable system operation. A further key design detail is the electric fuel pump, fitted as standard, which enables simple and convenient venting of the diesel lines, thereby eliminating the need for labour-intensive manual pumping.

### Simple to operate

Operation is made simple via user-friendly icons and a single start switch with preheat function. The unit also features fully automatic monitoring and shutdown in the event of malfunction, whilst a pressure gauge and airend discharge temperature display enable all operating status information to be viewed at a glance.





# Compressed air aftercooler

The M 20 can also be operated with an external compressed air aftercooler for condensate-free and cool compressed air on the construction site. For this purpose, the system is factory-equipped with:

- a 12V electrical connection for voltage supply to the aftercooler fan
- a connection for return of separated condensate (evaporated via hot exhaust gases)

The compact compressed air aftercooler is equipped with a carrying frame featuring fixed connections for compressed air, fan power supply and condensate return. All you need to do is attach the connection lines to the suitably-equipped compressor and you are ready to go.



Low-pressure blasting



2 x 17 kg Demolition hammers



Impact borers Ø 90 mm



Compressed air lances



Compressed air spades



# Wide range of available variants



## PE enclosure

Made from rotomoulded polyethylene, the modern, double-walled sound enclosure ensures long-term residual value retention and is both corrosion and scratch-resistant.



## Metal enclosure

The all-steel, soundproof enclosure ensures long-term corrosion protection and residual value retention thanks to high-quality zinc priming and tough powder coating. Stationary versions are always equipped with a metal enclosure.



## Alternative colours

The following special colours for the PE enclosure are readily available:

- Red - Equivalent to RAL 3020
- Orange - Equivalent to RAL 2009
- Blue - Equivalent to RAL 5017
- Green - Equivalent to RAL 6024
- White - Equivalent to RAL 9010

Further enclosure colours and custom paintwork for metal components are available upon request.



## Service-friendly

The wide enclosure opening angle provides simple and convenient access to the intelligently laid-out interior for maximum ease of maintenance.

# Standard equipment

## Anti-Frost Control

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

## Closed floor pan

The closed floor pan immediately catches any liquids, thereby preventing ground contamination in environmentally sensitive zones. All drainage openings are sealed with screw plugs. Maintenance drains lead to the exterior of the unit.

# Options

## Hose reel

The pre-installed hose reel holds 20 m of lightweight hose which does not need to be fully reeled out for operation. Proper storage extends hose availability and service life, and also protects it from damage (kinking, stretching, being run over) and soiling.

## Suitable for refinery use

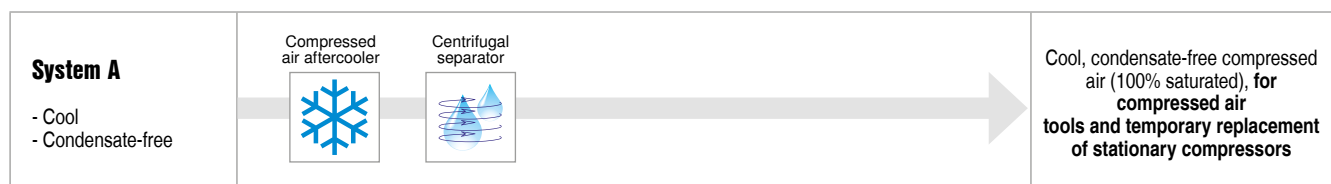
The M 20 is available with a certified spark arrestor for refinery applications. The engine shut-off valve automatically shuts the machine down upon intake of combustible gases.

## Tool lubricator

Depending on the application, the M 20 can be equipped optionally with a tool lubricator to maximise tool performance. In systems with external compressed air treatment, an external lubricator is used downstream from the frame.



# Compressed air treatment



# Technical specifications


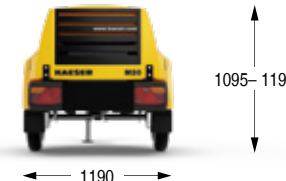

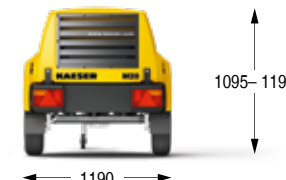




Model	Compressor				3-cylinder diesel engine (water-cooled)				Package				
	Flow rate		Working pressure		Make	Model	Rated engine power	Speed at full load	Fuel tank capacity	Operating weight <sup>1)</sup>	Sound power level <sup>2)</sup>	Sound pressure level <sup>3)</sup>	Compressed air outlet
	m <sup>3</sup> /min	cfm	bar	PSI									
<b>M20</b>	2.0	71	7	100	Kubota	D772	14	3600	30	457	≤ 97	68	2 × G¾

<sup>1)</sup> Specified weight applies to standard PE enclosure unit with unbraked chassis and height-adjustable tow bar

<sup>2)</sup> Guaranteed sound pressure level as per EU Directive 2000/14/EC

<sup>3)</sup> Surface sound pressure level measured as per ISO 3744 (r = 10m)

# Dimensions

<b>Version: Height-adjustable tow bar</b>		
<b>Version: Fixed tow bar</b>		
<b>Version: Skid-mounted</b>		
<b>Version: Stationary</b>		

# 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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