

HPC

KAESER
COMPRESSORS®



MOBILAIR® M20

Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate 2.0 m³/min (71 cfm)

www.hpccompressors.co.uk

MOBILAIR® M 20

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

Equipped with world-renowned SIGMA PROFILE rotors and directly driven by a water-cooled three-cylinder Kubota diesel engine, the low speed KAESER rotary screw airend plays a key role in assuring the exceptional performance of M20 portable compressors. Direct drive eliminates the transmission losses associated with other systems, consequently providing more air with less fuel consumption.

Maximum versatility

The MOBILAIR M 20 is the ideal choice for powering equipment such as breakers and impact borers. Meticulous construction and premium quality components ensure trouble-free operation in ambient temperatures ranging 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 and with or without an overrun brake. Stationary versions can be installed either on skids or machine mounts (all stationary systems feature a metal enclosure).

Lightweight

Powerful doesn't necessarily mean heavy: with a low operational weight of less than 460 kg, the M 20 is exceptionally easy to manoeuvre and transport. Moreover, its 30 litre diesel fuel capacity ensures that the compressor has more than enough power available to last an entire work shift.



Made in Germany

MOBILAIR portable compressors are manufactured at KAESER's headquarters located 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 (German Technical Inspection Agency) certified sound testing area for free-field sound level measurement, a complete powder-coating facility and efficient manufacturing logistics.

Separate air filters for engine and compressor

The air filters are specifically tailored to suit required air demand and therefore ensure dependable system operation. A further important design detail is the electric fuel pump, which enables quick and simple deaeration 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 pre-heat function. The unit also features fully automatic monitoring and shutdown in case of malfunction, whilst a pressure gauge and airend temperature display enable all information to be viewed at a glance.

Lightweight – Quiet – Powerful





Wide range of available variants



PE enclosure

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



Metal enclosure

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

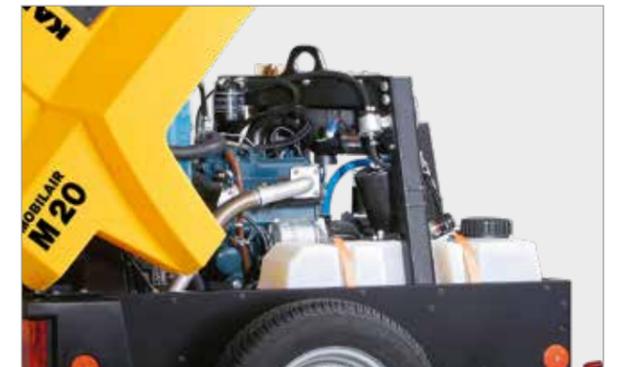


Alternative colours

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

- Blue - Equivalent RAL 5017
- Red - Equivalent RAL 3020
- Orange - Equivalent RAL 2009
- Green - Equivalent RAL 6024

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



Service-friendly

The enclosure opens to provide excellent component access and therefore greatly simplifies all servicing and maintenance tasks.

Standard equipment

Anti-Frost Control

Specially developed for portable compressors, the patented 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 service life.



Sealed floor pan

The sealed floor pan immediately catches any liquids to prevent potential soil contamination in environmentally sensitive zones. All drainage openings are sealed with screw plugs.

Options

Hose reel

The pre-installed hose reel holds 20 m of lightweight hose which does not have to be fully reeled out for operation. Proper storage augments the availability and service life of the hose, whilst also protecting 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

According to application, the M 20 is also available with a tool lubricator for compressed air tools.

Technical specifications

Model	Compressor				3-cylinder diesel engine (Water-cooled)				Complete system				
	Flow rate		Working pressure		Make	Type	Engine rated power	Speed at full load	Fuel tank capacity	Operational weight ¹⁾	Sound power level ²⁾	Sound pressure level ³⁾	Compressed air outlet
	m ³ /min	cfm	bar	PSI									
M20	2.0	71	7	100	Kubota	D772	14	3600	30	457	≤ 97	68	2 x G $\frac{3}{4}$

¹⁾ Specified weight applies to standard PE enclosure unit with an unbraked chassis and height adjustable tow bar

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

³⁾ Measuring surface sound pressure level as per ISO 3744 (r = 10m)

Dimensions

Version: Height adjustable		
Version: Fixed		
Version: Skid-mounted		
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 140 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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