



MOBILAIR M 44

Portable Compressor

With the world-renowned SIGMA PROFILE^{☆☆}

Flow rate up to 4.10 m³/min (145 cfm)

MOBILAIR M 44

Effortless transport, operation and maintenance

Robust, reliable and powerful – simplicity at its best. The MOBILAIR M44 is the trusted powerhouse in the 4-cubic-metre class. From transport to operation and maintenance, its well thought-out design ensures easy handling every step of the way. The version with an impact-resistant, roto-moulded polyethylene enclosure excels in harsh conditions and weighs in at under 750 kg. The M44 offers additional advantages: It is highly fuel-efficient and delivers up to 4.10 m³ (145 cfm) of compressed air per minute, whilst its maximum adjustable pressure of up to 7.5 bar provides additional reserve capacity for long hose lines.

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.

Durable and resilient

The MOBILAIR M 44 is well equipped for continuous construction site duty, in spite of the harshest 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 in the airend.

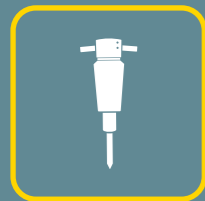
Made in Germany

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 recently modernised 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.

SIGMA PROFILE airend

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



Construction hammers



Pneumatic spades



Bubble curtains



Compressed air lances



Blowing out



Sewer robots



Design is in the details

4 Service-friendly

MOBILAIR compressors make maintenance simple. All service points are conveniently accessible via two large flaps in the bodywork. KAESER also provides tailored maintenance contracts to meet your specific needs.

5 Oil separation with spin-on cartridges

The MOBILAIR M44 features spin-on cartridges for the oil separator tank, enabling fast and hassle-free maintenance. This quick-change capability ensures simple and cost-effective servicing.

6 Anti-Frost Control

Specially developed by KAESER, 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.



1 SIGMA CONTROL SMART

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

2 Compressed air outlet

The M 44 has all of your compressed air needs covered with its various available compressed air connections. Compressed air can be drawn off via 2 x G $\frac{3}{4}$ claw couplings and 1 x G1 threaded connection.

3 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 colours are available upon request.

7 Closed floor plan

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

8 Perfect generator control

The M 44 is available with the option of either an 8.5 or a 13 kVA generator. Ensuring perfect interplay with the engine management system, the compressor controller delivers maximum compressed air availability relative to power demand.

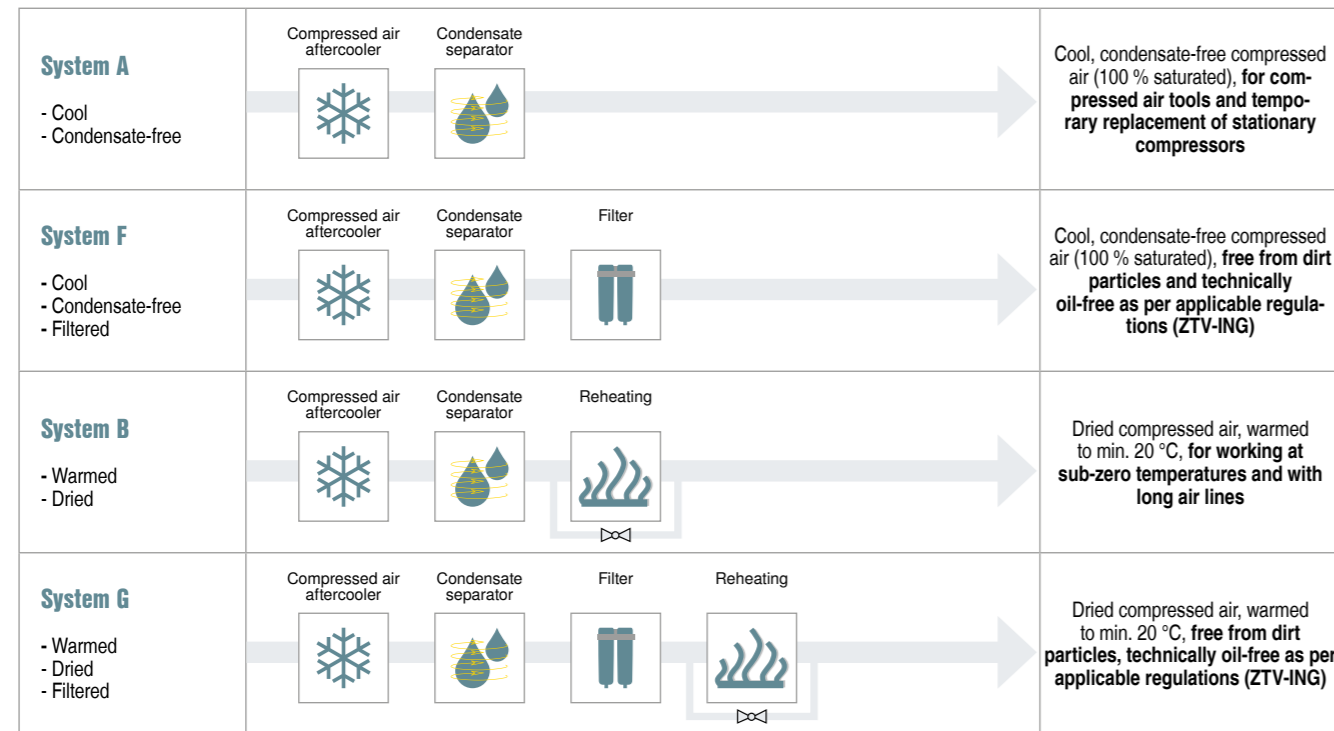
9 Integrated compressed air treatment

The compressor always adapts perfectly to its task in accordance with the application, delivering demand-oriented compressed air quality thanks to the wide range of optional treatment components.

TELEMATICS @ MOBILAIR

TELEMATICS condition monitoring brings Industrie 4.0 to the construction site. KAESER equips its portable compressors with a built-in modem, connecting them to the TELEMATICS portal. The integrated compressor controller determines and processes all operating data, which it subsequently forwards to the TELEMATICS portal. Central monitoring and processing of operating messages is performed in the dashboard. You can therefore view operating data, current messages, and system location online.

Compressed air treatment variants

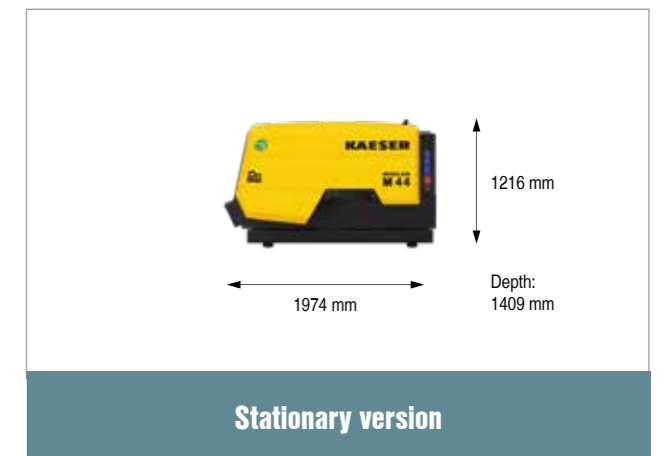
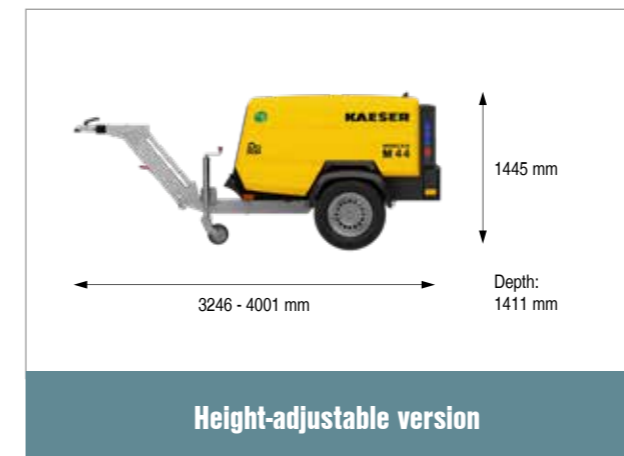


Technical data

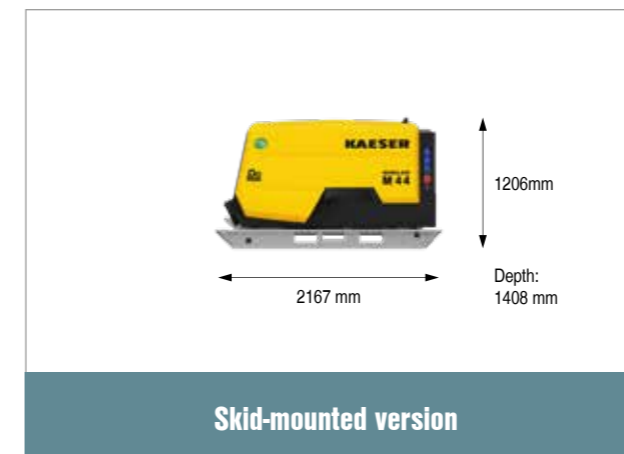
Model	Compressor				4-cylinder diesel engine (water-cooled)				Complete system				
	Flow rate		Working pressure		Make	Model	Rated engine power	Fuel consumption	Fuel tank capacity	Operating weight	Sound power level ¹⁾	Sound pressure level ²⁾	Compressed air outlet ³⁾
	m ³ /min	cfm	bar	PSI									
M44	4.1	145	7	100	Kubota	V1505CR-T	27.5	6.6	80	902	≤ 98	69	2 x G ^{3/4} 1 x G ¹

¹⁾ Guaranteed sound power level LWA as per directive 2000/14/EC
²⁾ Surface sound pressure level LpA as per ISO 3744 (r = 10 m)
³⁾ G^{1/2} = Connection thread size – Hoses with G^{3/4}” claw couplings can be connected

Dimensions



Note: Specifications may vary depending on version.



KAESER KOMPRESSOREN – Sustainability guaranteed

To learn more about the new standards KAESER has established in reliability, efficiency and sustainability, visit us at www.kaeser.de/ressourcenschonende-produktentwicklung



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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