

## Portable Compressors **MOBILAIR M 123**

With the world-renowned SIGMA PROFILE 

Free air delivery 11.4 m³/min



## Worldwide sales and service network

KAESER is one of the world's foremost compressor manufacturers and providers of compressed air systems – its products are renowned for their outstanding quality, advanced technology and exceptional efficiency.

Represented in every major industrial nation throughout the world by a comprehensive network of international offices and authorised partners, KAESER KOMPRESSOREN is dedicated to ensuring unrivalled equipment availability and fast, reliable customer service.



# MOBILAIR M 123 – Superior Power and Performance

## Maximum versatility

The MOBILAIR 123 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 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 mounted on skids or machine mountings.



## Proportional controller with manual wheel control\*)

For added flexibility, a manual wheel control on the proportional controller enables infinitely variable pressure adjustment.

\*) Available for 10 to 14 bar versions.



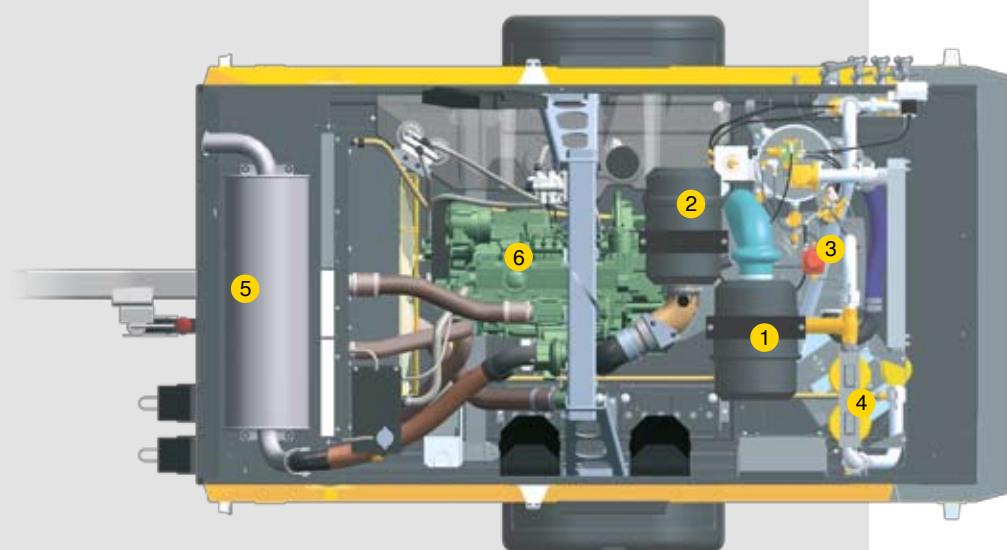
## Dedicated intake filter for motor and air end

Optimised design and separate air filters considerably enhance reliability and service life. The filters can be changed onsite quickly and simply as required.



## Easy to transport

The M 123 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.



- 1 Compressor air filter
- 2 Engine air filter
- 3 SIGMA air end
- 4 Compressed air treatment (Option)
- 5 Internal exhaust silencer (protected from potential damage)
- 6 Diesel engine



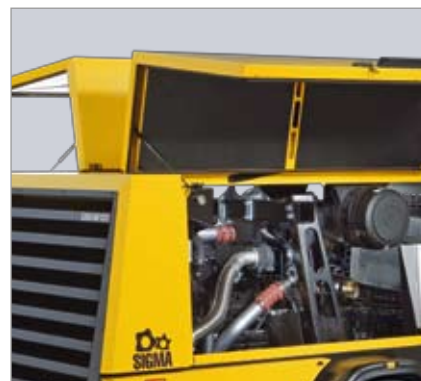
## The perfect energy-saving combination: Deutz engines and KAESER air ends

The powerful combination of an energy-saving Deutz engine and a highly efficient KAESER SIGMA PROFILE air end provides outstanding performance with minimal fuel consumption. The MOBILAIR M 123 can operate at full power for a whole shift without refuelling. The water-cooled Deutz engine complies with exhaust emission regulations and is certified to EU directive 2004/26 (Tier III A) and USA-EPA (TIER III). Furthermore, users

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



# MOBILAIR M 123 — Perfect Performance even in Extreme Conditions



## Excellent accessibility

The M 123's user-friendly design not only ensures simple operation and outstanding manoeuvrability: The unit's large gull-wing doors also provide excellent component accessibility for unrivalled ease of maintenance.



## Ambient temperature

Standard models can be used in ambient temperatures ranging from -10 °C to +50 °C, whilst the low temperature versions can be used in temperatures as low as -25 °C.



## 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, 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.



## Oil temperature control

The M 123's automatically controlled thermostatic valve ensures that optimal operating temperature is reached quickly and reliably. It therefore protects the compressor's fluid circulation loop from excessive condensate accumulation. This in turn significantly extends cooling fluid and separator cartridge service life and also enhances the unit's long-term durability.



## Cool, clean compressed air

The compressed air is cooled to 7 °C above ambient temperature.

Accumulated condensate is able to drain away easily, as the compressed air cooler is installed at an angle, whilst the hot exhaust gasses from the motor are also used to aid condensate evaporation. This design consequently ensures reliable frost protection during the winter months.



## Compressed air treatment

Additional air treatment components need to be installed downstream from the after-cooler and centrifugal separator (e.g. filter combinations for concrete cleaning as per ZTV-SIB) in order to achieve compressed air of a specified quality class. The differential pressure indicator enables filter status to be monitored quickly and easily.



## User-friendly operation

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 M 123. Features also include automatic monitoring and shutdown and an optional cover flap to protect the control panel.

## Sigma Control mobile

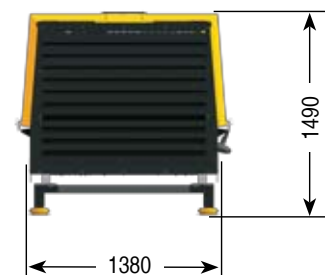
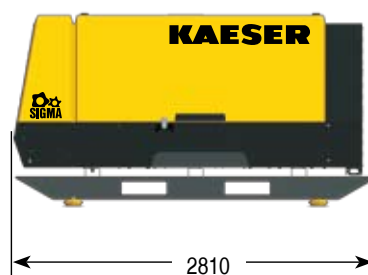
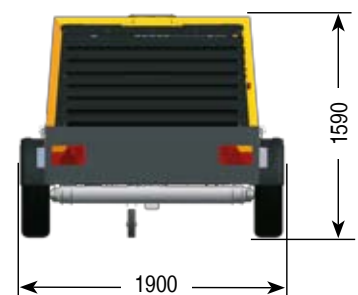
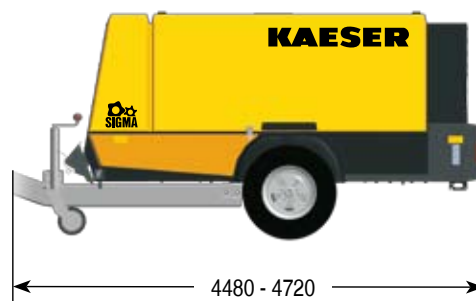
This advanced compressor controller ensures optimised compressed air availability and fuel efficiency using state-of-the-art electronic motor management. The system is both shock- and vibration proof and provides electric protection in accordance with IP 55 standards. Features include user-friendly operation, system monitoring and diagnostics.



# Air treatment systems

<b>System A</b> <ul style="list-style-type: none"> <li>• Cool</li> <li>• Condensate-free</li> </ul>		Cool, condensate-free compressed air (100 % saturated), <b>for powering air tools and temporarily replacing stationary compressors</b>
<b>System F</b> <ul style="list-style-type: none"> <li>• Cool</li> <li>• Condensate-free</li> <li>• Filtered</li> </ul>		Cool, condensate-free compressed air (100 % saturated), <b>free from dirt particles and oil in accordance with applicable regulations</b>
<b>System B</b> <ul style="list-style-type: none"> <li>• Warmed</li> <li>• Dried</li> </ul>		Dried compressed air, warmed to at least 20 °C, <b>for working at subzero temperatures and with long air lines</b>
<b>System G</b> <ul style="list-style-type: none"> <li>• Warmed</li> <li>• Dried</li> <li>• Filtered</li> </ul>		Dried compressed air, warmed to at least 20 °C, <b>free from dirt particles and oil in accordance with applicable regulations</b>
<b>Breathing-quality air</b> Additional filtration to provide partial flow as breathing air		Breathing air connected via a <b>separate</b> quick-release coupling (Only in combination with one of the above mentioned air treatment systems)

Additional air treatment systems for the MOBILAIR M 123 are available on request. Please contact Kaeser for further details.

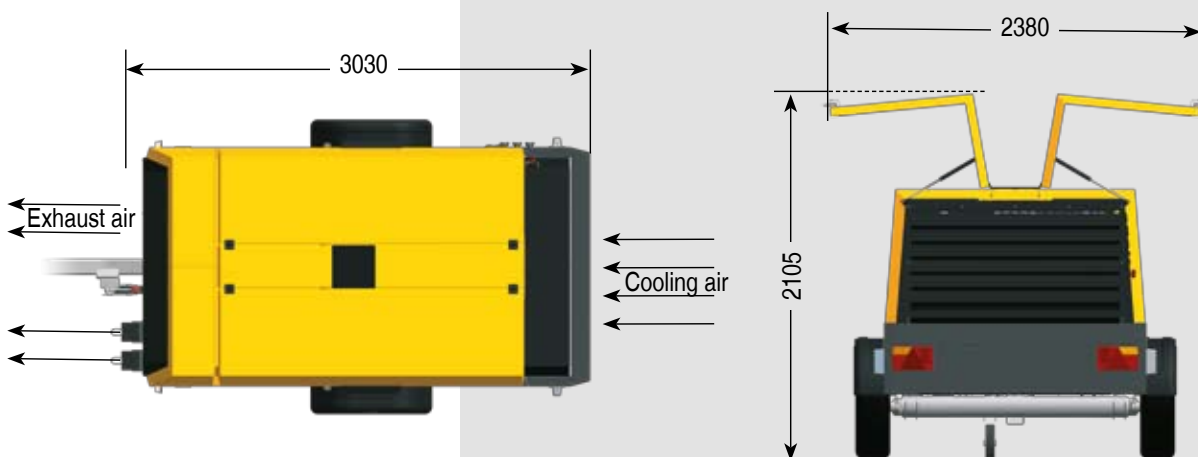




## Technical Specifications: MOBILAIR M 123

Model	Compressor unit		4-cylinder diesel engine (Water-cooled)					Complete unit				
	Air delivery m³/min	Working pressure bar	Make	Model	Rated motor power kW	Speed at full load rpm	Idling speed rpm	Fuel tank capacity l	Operational weight kg	Sound power level dB(A)*	Sound pressure level dB(A)**	Air connection
<b>M 123</b>	11.4	8.6	Deutz	TCD2012L04	88	2100	1600	170	1945	≤99	70	3 x G <sup>3</sup> / <sub>4</sub> 1 x G1 <sup>1</sup> / <sub>2</sub>
	10.6	10										
	10.0	11										
	9.1	12										
	8.1	14										

\*) Guaranteed sound power level to directive 2000/14/EU – Stage 2, \*\*) Surface sound pressure level to ISO 3744, (r = 10 m)







## Worldwide sales and service network: KAESER – Always there

With over 3500 employees worldwide, Kaeser is one of the world's foremost compressor manufacturers and providers of compressed air systems. Kaeser is represented in every major industrial nation throughout the world by 38 subsidiary companies and 48 authorised partners.



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Argentina	Costa Rica	Guatemala	Latvia
Australia	Croatia	Honduras	Lithuania
Austria	Cyprus	Hungary	Luxemburg
Bangladesh	Czech Republic	Iceland	Malaysia
Bahrain	Denmark	India	Mauritania
Belarus	Ecuador	Indonesia	Mauritius
Belgium	Egypt	Ireland	Mexico
Brazil	El Salvador	Italy	Morocco
Bulgaria	Estonia	Japan	Norway
Canada	Finland	Jordan	Oman
Chile	France	Kazakhstan	Pakistan
China	Germany	Kenya	Panama
			Peru
			Philippines
			Poland
			Portugal
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			Romania
			Russia
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			Sweden
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			Serbia and Montenegro
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