KAESER COMPRESSORS

MOBILAIR M 122

Portable Compressor
With the world-renowned SIGMA PROFILE
Flow rate 7.3 to 11.1 m³/min (260 – 390 cfm)

www.kaeser.com

MOBILAIR M 122

The perfect energy-saving combination: Deutz engine and KAESER airend

The powerful partnership of an energy-saving Deutz engine and the highly efficient KAESER SIGMA PROFILE rotary screw airend combines outstanding performance with considerably reduced fuel consumption. The MOBILAIR M 122 can operate at full power for a whole shift without refuelling.
Furthermore, users not only benefit from the quality of two world-class products, but can also rely on the comprehensive KAESER KOMPRESSOREN and Deutz global service networks to ensure maximum machine availability.

Exceptional versatility

The MOBILAIR M 122 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 compressed 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 installed on skids or machine mounts.

Excellent accessibility

The M 122's user-friendly design not only ensures simple operation and outstanding manoeuvrability: the unit's large enclosure doors also provide excellent component accessibility for unrivalled ease of service. Stationary systems are equipped as standard with maintenance connections for draining of engine oil and compressor fluid.

Easy to transport

The M 122 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.

Ambient temperature

Standard units are rated for ambient temperatures between -10 and +50 °C. A version for lower ambient temperatures is also available.

Easy to operate

The user-friendly control and instrument panel – which can be equipped with a cover flap if required – enables all information to be viewed at a glance. Features also include automatic monitoring and shutdown. Manual switchover from idling to full load operation ensures a reliable, gentle start when operating the machine in cold ambient conditions.

Superior power and flexibility

MADE IN GERMANY

Perfect performance – even in extreme conditions

Proportional controller with manual wheel control*

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

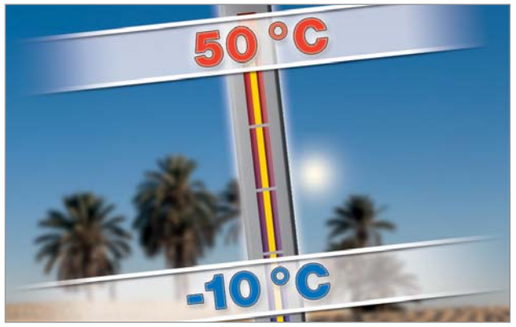
*) Available with 10 to 14 bar versions

Dedicated intake filter for engine and airend

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

Large capacity, transparent fuel tank

When fully filled, the tank carries sufficient fuel for an entire work shift without the need for refuelling. For added ease of operation, an automatic shutdown feature is activated when the fuel level becomes too low.



Ambient temperature

Standard units are rated for ambient temperatures between -10 and +50 °C. A version for lower ambient temperatures is also available.

Available equipment

Sealed floor pan

The sealed floor pan catches all liquids and therefore prevents potential soil contamination in environmentally sensitive zones. All drainage holes are sealed with screw plugs.

Suitable for refinery use

A certified spark arrestor is available for refinery applications. The engine shut-off valve automatically shuts the unit down upon intake of combustible gases.

Compressed air treatment

The compressed air is cooled to 7 °C above ambient temperature. The condensate is removed via a centrifugal separator and is subsequently evaporated by the hot exhaust gases from the engine. A filter combination can be installed for applications requiring technically oil-free compressed air and a plate-type heat exchanger can be installed for compressed air return heating purposes.

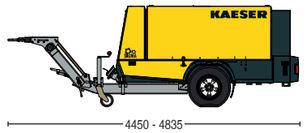
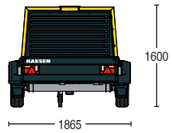
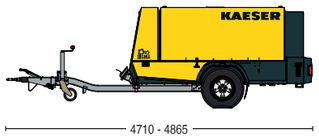
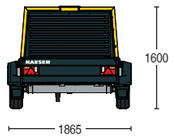
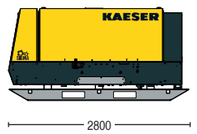
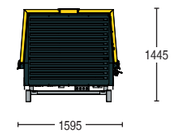
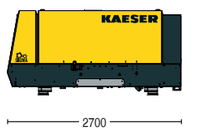
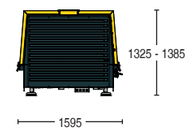
Technical specifications

Model	Compressor				4-cylinder diesel engine (Water-cooled)				Package		
	Flow rate		Operating pressure		Make	Type	Rated engine power	Speed at full load	Fuel tank capacity	Operational weight	Compressed air outlet
	m³/min	cfm	bar	PSI			kW	rpm	l	kg	
M 122	11.1 10.1 9.5 8.2 7.3	390 355 335 290 260	7 8.6 10 12 14	100 125 145 175 200	Deutz	TCD 2012 L04	83	2300	170	1865	3 x G¾, 1 x G 1½

Compressed air treatment systems

System A - Cool - Condensate-free	Aftercooler → Centrifugal separator	Cool, condensate-free compressed air (100 % saturated), **for compressed air tools and temporarily replacing stationary compressors**
System F - Cool - Condensate-free - Filtered	Aftercooler → Centrifugal separator → Filter	Cool, condensate-free compressed air (100 % saturated), **free from contaminant particles and technically oil-free in accordance with applicable regulations**
System B - Warmed - Dried	Aftercooler → Centrifugal separator → Return heating	Dried compressed air, warmed to at least 20 °C, **for working at sub-zero temperatures and with longer air lines**
System G - Warmed - Dried - Filtered	Aftercooler → Centrifugal separator → Filter → Return heating	Dried compressed air, warmed to at least 20 °C, **free from contaminant particles and technically oil-free in accordance with applicable regulations**
Fresh air As partial flow	Activated charcoal filter → Does not provide protection against carbon monoxide (CO) or other noxious gases	Odour-free fresh air connected via a **separate** quick-release coupling (Only in combination with F or G systems)

Dimensions

Version: Height adjustable		
Version: Fixed		
Version: Skids		
Version: Stationary		

The world is our home

As one of the world's largest compressed air systems providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners.

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.

LGA InterCert
Certified QM/EM System
ISO 9001:2008 / ISO 14001:2004

KAESER KOMPRESSOREN SE
P.O. Box 2143 – 96410 Coburg – GERMANY – Tel +49 9561 640-0 – Fax +49 9561 640-130
e-mail: productinfo@kaeser.com – www.kaeser.com

P-5122ED Specifications are subject to change without notice. 5/16