



MOBILAIR® M 115

Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate 7.5 to 11.5 m³/min (265 – 405 cfm)

MOBILAIR® M 115

The powerful combination of the highly efficient KAESER SIGMA PROFILE rotary screw airend and an energy-saving engine certified in accordance with directive 2004/26/EC 2004/26, Stage IIIB, provides impressive fuel efficiency and super-clean performance.

Together with other innovative features, this compact powerhouse is yet another dependable and efficient compressed air partner from KAESER KOMPRESSOREN.

Exceptional versatility

The MOBILAIR M 115 can be specifically tailored to meet the needs of the relevant application thanks to the wide range of optional compressed air treatment components available. Moreover, the selection of chassis with run-on brake, as well as stationary models on skids or machine mounts, makes it perfectly adapted to suit any desired work environment.

Easy to operate

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. In addition, the automatic monitoring feature can shut the compressor down as required.

Tough performer

The M 115 is well-equipped for continuous gruelling construction site duty, even under the harshest of conditions. Even the standard versions are capable of operating in an ambient temperature range from -10 °C to +45 °C. The optional low-temperature version features engine coolant preheating, and synthetic cooling fluid is used for the airend.

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.

With optional generator

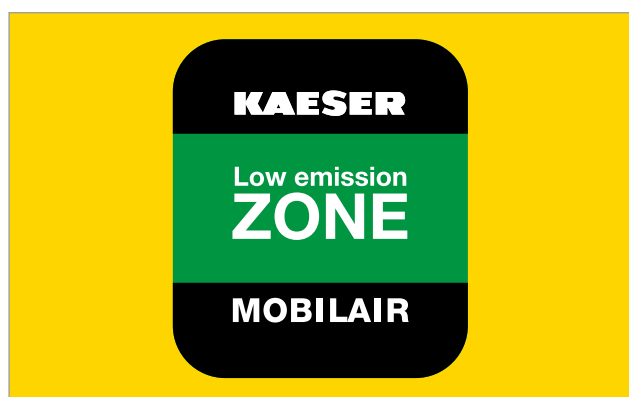
The optional synchronous three-phase generator (IP 54) is available with power of 8.5 or 13 kVA. According to power requirement, the brushless and maintenance-free generators can be switched over from continuous operation to energy-saving automatic start. The generator control panel is protected by a lockable cover.



Environmentally responsible energy provider



KAESER quality and efficiency for every need



Low emissions

The M115 is certified in accordance with EC Directive 2004/26, Stage IIIB for pure-air operation – not only in emissions-free zones. With a diesel particulate filter fitted as standard, the MOBILAIR 115 meets the stringent requirements of the Swiss Clean Air Act.



SIGMA CONTROL SMART

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



SIGMA PROFILE airend

At the heart of every M115 system lies a premium quality airend featuring KAESER's SIGMA PROFILE rotors. The airend's optimised flow characteristics enable it to deliver more air for less energy consumption.



Excellent accessibility, optimum serviceability

Thanks to intelligent component layout, all maintenance points are easily accessible via the large gull-wing doors, which makes service work fast and efficient. Optional custom service contracts are also available.



KAESER

**MOBILAIR
M115**



Highly versatile – individual additional options



Cool and condensate-free

The compressed air is cooled to 7 °C above ambient temperature. Installed at an angle, the compressed air after-cooler ensures frost-proof performance even at the coldest times of the year. The flow-optimised axial centrifugal separator reliably removes condensate, which is then simply evaporated – a truly environmentally-friendly solution.



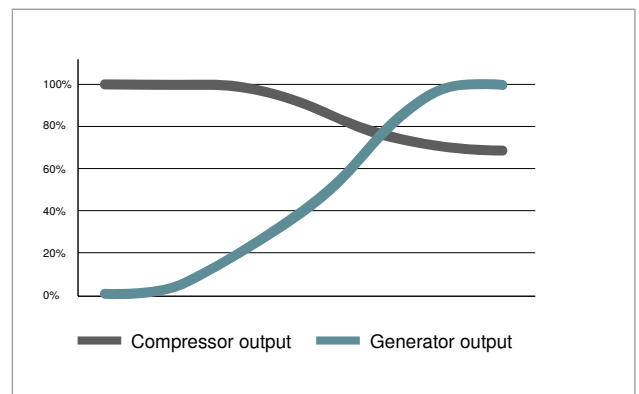
Oiled or oil-free?

Depending on the specific application, the MOBILAIR 115 can also be equipped with a tool oiler for compressed air tool lubrication in oiled compressed air systems or with a microfilter combination for blasting applications with technically-free compressed air.



Dry compressed air

Machines with the optional compressed air aftercooler and return heating combination allow users to easily adjust the compressed air discharge temperature to meet the needs of the specific application.



Generator

The SIGMA CONTROL SMART compressor controller interfaces perfectly with engine management to deliver maximum compressed air availability relative to power requirement.





Available equipment

Sealed floor pan

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

Pressure variants

Models are available in various pressure versions ranging from 7 to 14 bar. Pressure can easily be adjusted in 0.5 bar increments, from 6 bar to 0.5 bar above nominal pressure, using the SIGMA CONTROL SMART's arrow keys. The pressure adjustment feature can also be electronically disabled to prevent unauthorised changing of parameters.

Suitable for refinery use

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

Industrie 4.0 @ MOBILAIR

The MOBILAIR Fleet Management online tool provides operators with a range of data including working pressure, fuel tank fill level, service alerts, location and machine duty cycle. The system optimises service processes by sending notifications regarding fault causes and upcoming scheduled maintenance measures, for example.

Compressed air treatment systems

System A - Cool - Condensate-free		Cool, condensate-free compressed air (100 % saturated), for compressed air tools and temporarily replacing stationary compressors
System F - Cool - Condensate-free - Filtered		Cool, condensate-free compressed air (100 % saturated), free from contaminant particles and technically oil-free in accordance with applicable regulations
System B - Warmed - Dried		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		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	<p>Does not provide protection against carbon monoxide (CO) or other noxious gases</p>	Odour-free fresh air connected via a separate quick-release coupling (Only in combination with F or G systems)

Technical specifications

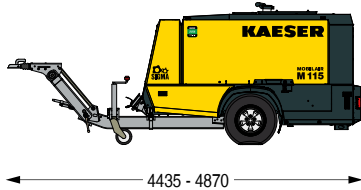
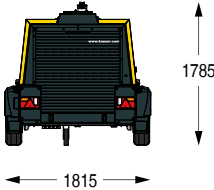
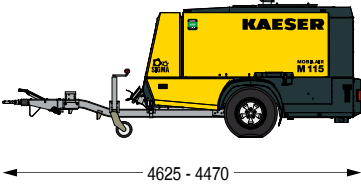
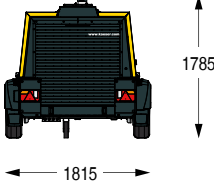
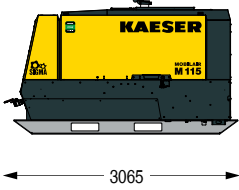
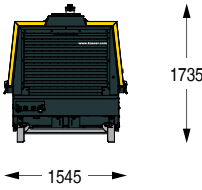
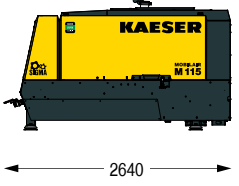
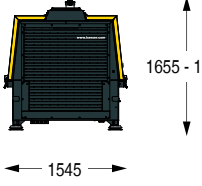
Model	Compressor				4-cylinder diesel engine (Water-cooled)				Package				
	Flow rate		Gauge working pressure		Make	Type	Engine rated power	Speed at full load	Fuel tank capacity	Operational weight	Sound power level	Sound pressure level	Compressed air outlet
	m³/min	cfm	bar	PSI									
M115	11.5	405	7	100	Kubota	V 3800	83.5	2600	145	1850	≤ 99	70	1 x G 1½, 3 x G ¾
	10.5	370	8.6	125									
	9.7	345	10	145									
	8.4	295	12	175									
	7.5	265	14	200									

¹⁾ Weight specifications applicable for standard unit without air treatment and equipped with overrun brake chassis

²⁾ Guaranteed sound power level as per 2000/14/EC

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

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.



KAESER KOMPRESSOREN SE

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