KAESER COMPRESSORS®

MOBILAIR® M 70

Portable Compressor

With the world-renowned SIGMA PROFILE

Flow rate 5.2 to 7.0 m³/min (230 cfm)

www.kaeser.com

MOBILAIR® M 70

The perfect energy-saving combination: Kubota engine and KAESER rotary screw compressor

The powerful combination of an economical Kubota engine and a highly efficient KAESER airend with SIGMA PROFILE rotors delivers outstanding performance with significantly reduced fuel consumption. The MOBILAIR M 70 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 Kubota global service networks to ensure maximum machine availability.

Durable and versatile

The M 70 is in a class of its own when it comes to versatility, as it can be precisely tailored to meet the needs of the relevant application. Available options include compressed air treatment components, a synchronous generator, and the choice of a fully galvanised chassis with overrun brake and a fixed or height-adjustable tow bar, or a stationary version mounted on either skids or machine feet.

Service-friendly

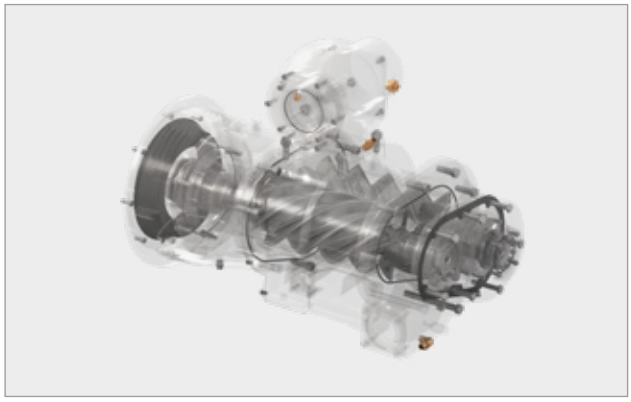
The MOBILAIR M 70 is particularly easy to service and maintain. All maintenance points are easily accessible, allowing quick and simple air filter and safety element changes. Customised and individual maintenance contracts ensure that this high-performance powerhouse is always ready for construction site operations.

Durable and resilient

The MOBILAIR M 70 provides a dependable supply of quality compressed air, even under the harshest of operating conditions. This resilient powerhouse operates flawlessly at ambient temperatures from -10 to +50 °C. A low-temperature version is also available for colder conditions.

Made in Germany

The various ranges of MOBILAIR portable compressors 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 rotary screw 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. Power is transmitted from the engine via integrated gearing. The airend's low operating speed contributes to increased efficiency and longer service life.

Exceptional power and versatility

Image: M 70

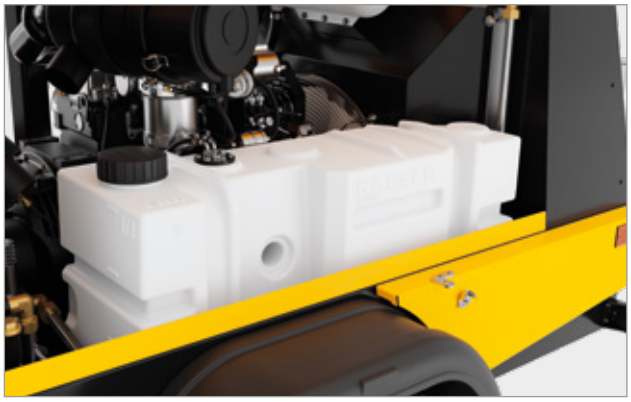
MADE IN GERMANY


KAESER
M70

Extreme conditions? No problem!

Easy to operate

The user-friendly control 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 in the event of a fault.
Reliable, gentle starts are guaranteed, even in cold temperatures, thanks to manual changeover from unloaded start to load operation and a starter switch that features a preheating function.



Large-capacity, transparent fuel tank

When full, the fuel tank carries sufficient fuel for an entire work shift without need of refuelling. Bleeding of the diesel lines is made simple thanks to the fuel feed pump (start switch).

Separate intake filters for engine and compressor

The separate intake filters for the compressor and engine are optimally dimensioned for enhanced performance and can be changed quickly and easily on site.

Anti-Frost Control

For M 70 models not equipped with compressed air treatment or compressed air reheating, KAESER's Anti-Frost Control automatically regulates operating temperature in relation to ambient. Together with the optional tool lubricator, this not only prevents air tools from freezing, but also extends their service life and availability.

Equipment variants

Hose reel

The factory-installed hose reel holds 20 m of lightweight hose, which does not require fully reeling out in order to operate. This not only enhances hose service life and availability, but also protects it from damage (splitting, stretching, being run over) and contamination.

Suitable for refinery use

The M 70 is available with a certified spark arrestor for refinery applications. The engine shut-off valve automatically switches the machine off upon intake of combustible gases.

Cool, clean compressed air

The compressed air is cooled to 7 °C above ambient temperature. Because the aftercooler is installed at an angle, accumulating condensate is reliably drained away. This design prevents freezing in winter, since the hot exhaust gases from the engine serve to evaporate the condensate. In order to achieve compressed air of a defined quality class (see below), additional treatment components can be connected to the aftercooler and centrifugal separator (e.g. filter combinations for concrete cleaning as per ZTV-ING). The differential pressure indicator enables filter status to be monitored quickly and easily.

Compressed air treatment variants

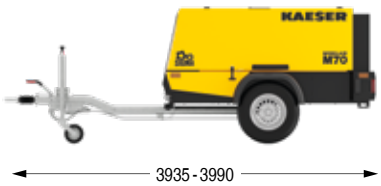
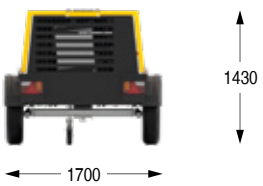
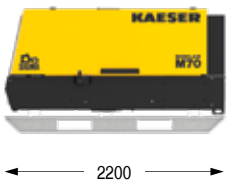
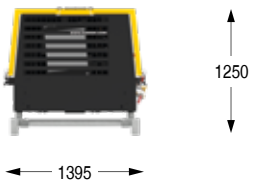
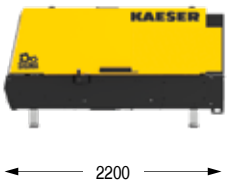
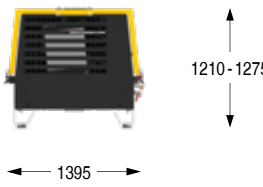
System A - Cool - Condensate-free	Compressed air aftercooler → Centrifugal separator	Cool, condensate-free compressed air (100 % saturated), **for compressed air tools and temporary replacement of stationary compressors**
System F - Cool - Condensate-free - Filtered	Compressed air aftercooler → Centrifugal separator → Filter	Cool, condensate-free compressed air (100 % saturated), **free from dirt particles and technically oil-free as per applicable regulations (ZTV-ING)**
System B - Warmed - Dried	Anti-Frost Control (ANTI FROST) → Compressed air aftercooler → Centrifugal separator → Reheating	Dried compressed air, reheated to at least 20 °C, **for working at sub-zero temperatures and with longer air lines**
System G - Warmed - Dried - Filtered	Anti-Frost Control (ANTI FROST) → Compressed air aftercooler → Centrifugal separator → Filter → Reheating	Dried compressed air, reheated to at least 20 °C, **free from dirt particles and technically oil-free as per applicable regulations (ZTV-ING)**
Fresh air As partial flow	Activated carbon filter → Does not provide protection from carbon monoxide (CO) or other noxious gases.	Odour-free air connected via a **separate** quick-release coupling (only available in combination with F or G systems)

Technical specifications

Model	Compressor				4-cylinder diesel engine (water-cooled)				Complete system		
	Flow rate		Working pressure		Make	Model	Rated engine power	Speed at full load	Fuel tank capacity	Operating weight [1]	Compressed air connection
	m³/min	cfm	bar	PSI			kW	rpm	l	kg	
M 70	7.0 5.4	250 190	7 10	100 145	Kubota	V2003T	43.3	2950	105	1230	2 x G¾ 1 x G1

[1] Basic unit weight incl. chassis with overrun brake and height-adjustable tow bar, without compressed air treatment

Dimensions

Version: Height-adjustable tow bar		
Version: Fixed tow bar		
Version: Skid-mounted		
Version: Stationary		

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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