



MOBILAIR M 100

Portable Compressor

With the world-renowned SIGMA PROFILE
Flow rate 6.4 to 10.2 m³/min (225 – 360 cfm)

MOBILAIR M 100

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

The powerful partnership of an energy-saving Kubota engine and the highly efficient KAESER SIGMA PROFILE rotary screw airend combines outstanding performance with considerably reduced fuel consumption. The MOBILAIR M 100 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 and Kubota global service networks to ensure maximum machine availability.

Exceptional versatility

The M 100 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 three-phase synchronous generator, 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.

Patented Anti-Frost Control

For M 100 models not equipped with compressed air treatment or with compressed air return heating, KAESER's patented Anti-Frost Control automatically regulates operating temperature in relation to ambient. Together with an optional tool lubricator, the Anti-Frost Control prevents compressed air tools from freezing up, even with cold outside temperatures, thereby enhancing both availability and durability.



Ambient temperature

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

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.

The portable powerhouse

The optional synchronous three-phase generator (IP54) delivers either 8.5 or 13 kVA. The brushless generator is maintenance-free. A convenient switch enables simple changeover from continuous operation to energy-saving automatic start mode.

Superior power and flexibility





Simple 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 include automatic monitoring and shutdown. The combination of the pre-heat function start switch and the ability to switch over manually from idling to full load operation ensures a reliable, gentle start when operating the machine in cold ambient conditions.



Proportional controller with manual wheel control*

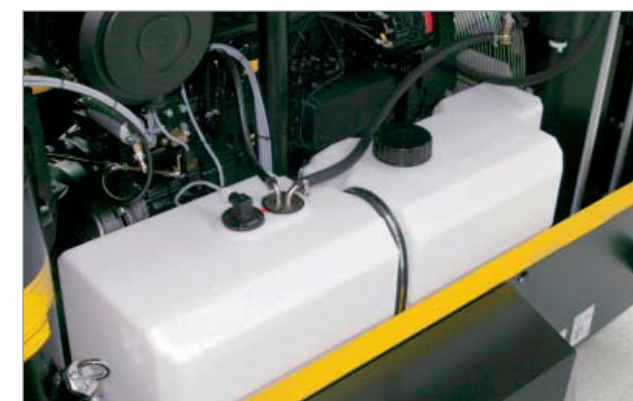
For added flexibility, a manual wheel control on the proportional controller enables infinitely variable pressure adjustment.

*) Available for 10 to 14 bar versions



Dedicated air filter for engine and compressor

Generously sized for increased reliability and operational life, also enables quick on-site filter change.



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.

Equipment variants

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.

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. 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 application.

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.

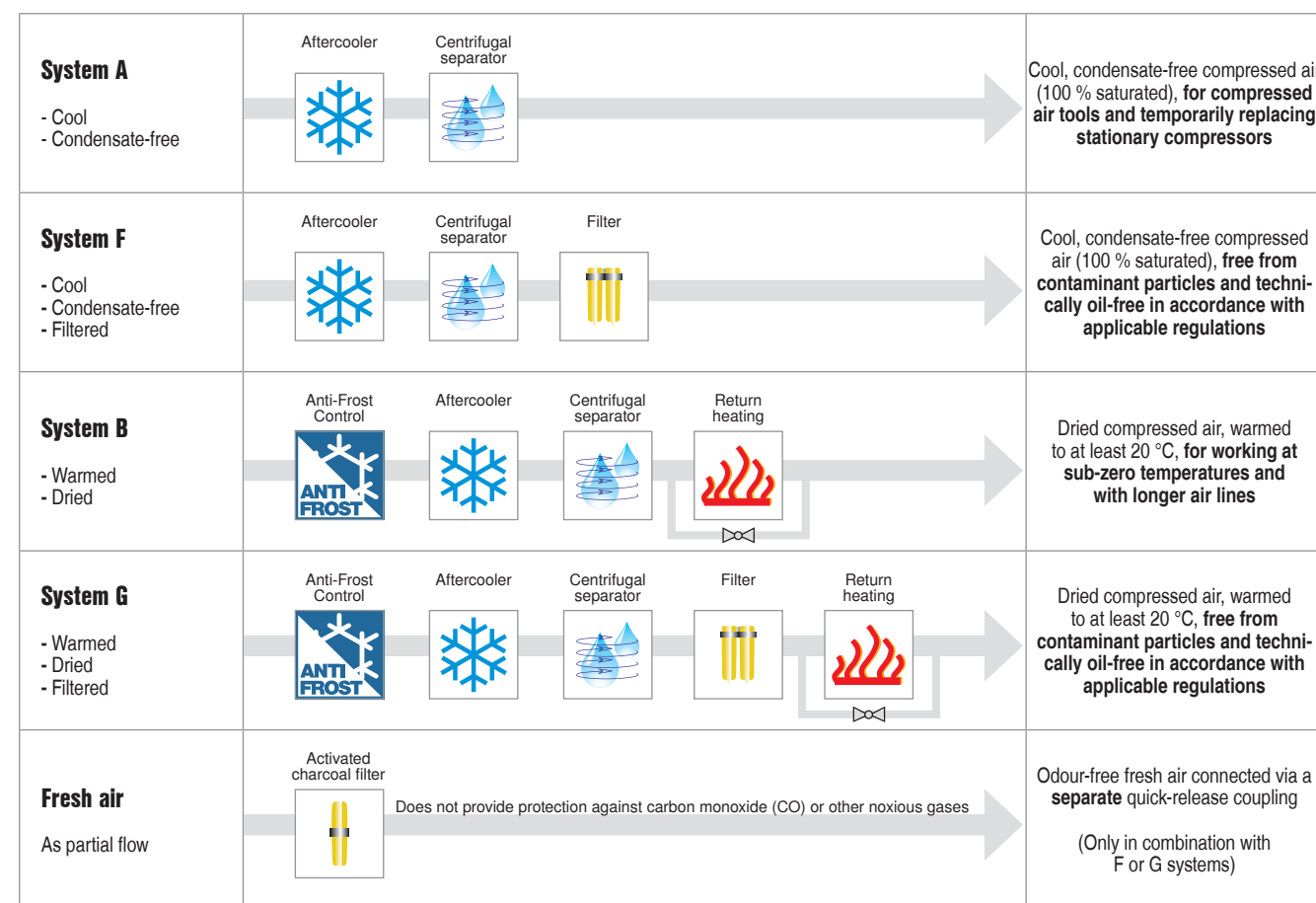
Generator version

The switch panel – which can be equipped with a cover flap if required – features splash-protected sockets in accordance with IP44 and a lockable main switch. The safety cut-out system with insulation monitoring makes earthing superfluous.

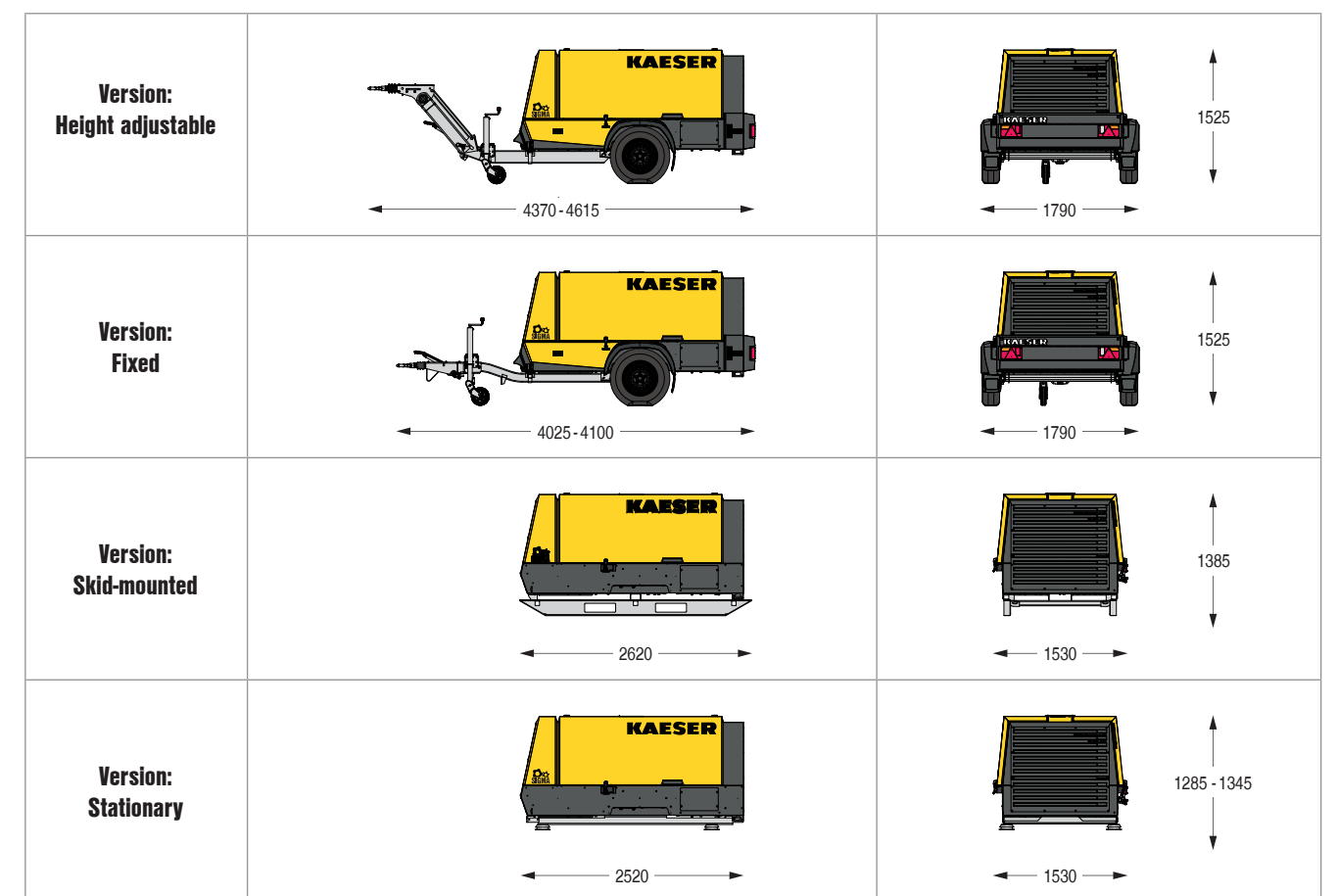
Technical specifications

Model	Flow rate						Operating pressure		4-cylinder diesel engine (Water-cooled)				Package		
	Standard		With 8.5 kVA generator		With 8.5 kVA generator		bar	PSI	Make	Type	Rated engine power kW	Speed at full load rpm	Fuel tank capacity l	Operational weight (without generator) kg	Compressed air outlet
	m³/min	cfm	m³/min	cfm	m³/min	cfm									
M 100	10.2	360	10.2	360	10.2	360	7	100	Kubota	V3800 Di-T	71.7	2600	150	1480	1 x G 1½, 3 x G ¾
	8.8	300	8.5	300	8.5	300	10	145							
	7.2	255	6.4	225	-	-	12	175							
	6.4	225	-	-	-	-	14	200							

Compressed air treatment systems



Dimensions



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.



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