



# MOBILAIR M 350

## Portable Compressors

With the world-renowned SIGMA PROFILE

Flow rate 24.0 to 34.0 m<sup>3</sup>/min (850 to 1200 cfm)

# MOBILAIR M 350

The powerful combination of the highly efficient KAESER SIGMA PROFILE rotary screw airend and an energy-saving Mercedes-Benz engine (certified in accordance with EC directive 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.

## Maximum versatility

The MOBILAIR M 350 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 road and construction site chassis with twin or steerable axles, as well as stationary models on skids or machine feet, enables the M 350 to be perfectly suited to meet the specific application's needs.

## Clean powerhouse

With a flow rate of 34 m<sup>3</sup>/min, the M 350 is one of the most powerful MOBILAIR portable compressors available. The heavy-duty low-emission diesel engine features the familiar SCR system (selective catalytic reduction), which dramatically cuts nitrous oxide (NOx) emissions. It is the same system used on Mercedes Benz utility vehicles.



## Tough performer

The M 350 is well-equipped for continuous gruelling construction site duty, even under the harshest of conditions. Even the standard version is capable of operating in an ambient temperature range from -10 °C to +50 °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 all-new portable compressor plant boasts TÜV (German Technical Inspection Agency) certified sound testing facilities for free-field sound level measurement, an advanced powder coating installation and highly efficient production logistics.

## A powerful team

Using the innovative SIGMA CONTROL MOBIL controller with optional start-stop features, M 350 compressors can be started and controlled by compressed air management systems such as the SIGMA AIR MANAGER. They can therefore be fully integrated into stationary compressed air systems (as a standby for power outages) or combined in compressor stations that are completely independent of the power supply (major construction sites far away from the necessary infrastructure, emergency standby).

## The new powerhouse in the 35 cubic metre class







## KAESER quality and efficiency for every need



### Powerful team

The economical Mercedes Benz engine (certified to European directive EC RL 2004/26, Stage IIIB and US exhaust emissions directive EPA Tier 4 interim) together with the high efficiency SIGMA PROFILE rotary screw air end deliver more compressed air with less energy consumption.



### SIGMA CONTROL MOBIL

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



### Clean performance

A port for the "AdBlue" additive, which cuts NOx emissions, is located beside the large diesel fuel tank's filler neck. The SIGMA CONTROL MOBIL controller monitors the level to ensure low-emission operation.



### Energy-saving fan

Fan speed is precisely adjusted via a viscous clutch according to engine coolant, inlet air and air end discharge air temperatures via the SIGMA CONTROL MOBIL. This cuts fuel consumption by up to five percent.



# Quality compressed air – all the time, every time



## Excellent accessibility, optimum serviceability

The unit's large enclosure doors also provide excellent component accessibility for unrivalled ease of maintenance. Service and maintenance work can therefore be carried out quickly and effectively, thereby ensuring maximum efficiency and compressed air availability.

## Worldwide KAESER service

KAESER's global service organisation, with its rapid computer-aided spare parts shipment capability, is key to reliable and efficient compressed air supply. Optional custom service contracts are also available.



## Maintenance connections

The use of standard maintenance connections makes compressor operation significantly simpler. They enable fast and environmentally-sound draining of engine oil, engine coolant and compressor fluid.



## Easy to operate

The SIGMA CONTROL MOBIL and intuitive operation mean that only 3 buttons are required to operate the compressor. Furthermore, the monitoring system can automatically shut the system down as required. The control panel is protected by a durable metal cover.







**KAESER**

**Dra SIGMA**

MOBILAIR

**M350**

Blue Tec  
SCR 4AT

BANGSA TUNNEL  
5.000 M²  
TUNNEL



# Available equipment

## Chassis options

Portable versions with tandem or steerable axles and parking brake are available for plant or construction site use. Recessed lifting eyes and forklift pockets make loading simple. The compressors can be fitted with a tandem axle with air brakes, including ABS and 24 V lighting, for towing on public roads.

## Stationary variants

A robust skid provides a stable base for safe outdoor installation. The stationary version can be fitted with adjustable machine feet for installation in buildings.

## Sealed floor pan

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

## Pressure variants

Models are available in various pressure versions ranging from 8.6 to 14 bar. Pressure can easily be adjusted in steps of 0.5 bar from 6 bar to 0.5 bar above nominal pressure using the SIGMA CONTROL MOBIL's arrow keys. The pressure adjustment feature can also be electronically disabled to prevent tampering.

## Air treatment

The compressed air is cooled to 7 °C above ambient temperature. The condensate is removed via a flow-optimised axial centrifugal separator and is subsequently evaporated using the hot exhaust gases from the engine. A combination filter can be installed for applications requiring technically oil-free compressed air.

## 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.

## Industrie 4.0 @MOBILAIR

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

# Technical specifications

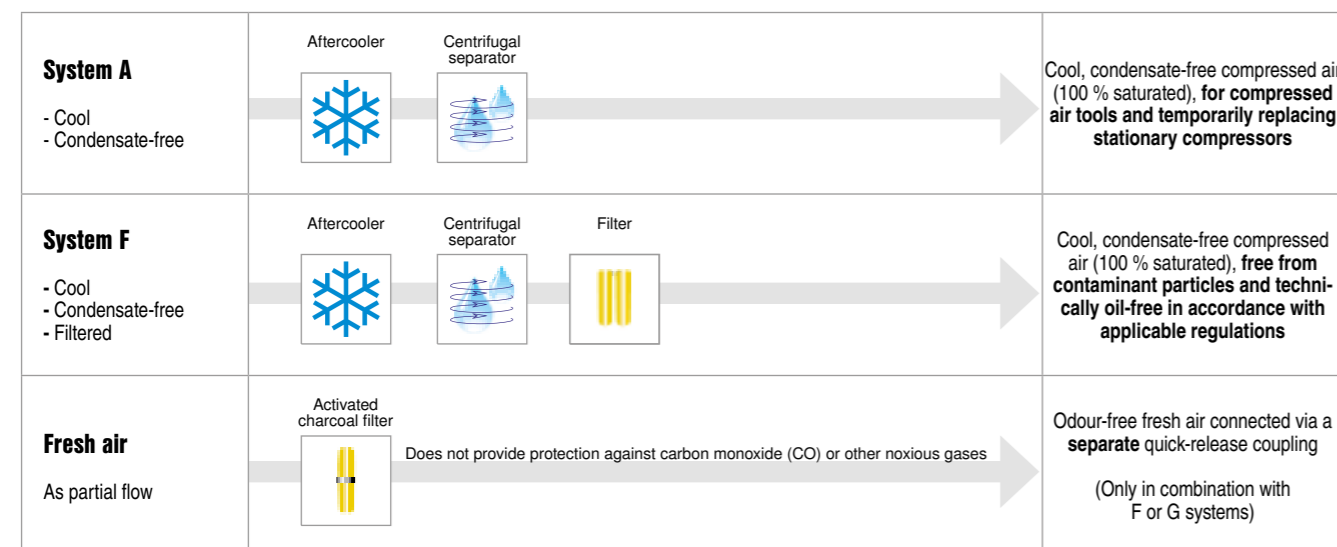
Model	Compressor				6-cylinder diesel engine (water-cooled)				Package				
	Flow rate		Operating pressure		Make	Type	Rated engine power	Speed at full load	Fuel tank capacity	Operational weight <sup>1)</sup>	Sound power level <sup>2)</sup>	Sound pressure level <sup>3)</sup>	Compressed air outlet
	m <sup>3</sup> /min	cfm	bar	psi									
<b>M 350</b> Stage IIIB Tier 4 interim	34.0	1200	8.6	125	Mercedes Benz	OM501LA with SCR Cat	265	1650	650	6200	≤ 100	71	2 x G 1 1 x G 2 ½ (alternative 1x DN80 flange)
	31.0	1095	10	145									
	27.3	965	12	175									
	24.0	850	14	200									
<b>M 350</b> Stage IIIA Tier 3	34.0	1200	8.6	125	Mercedes Benz	OM501LA	260	1650	650	5910	Only for export outside of the EU	2 x G 1 1 x G 2 ½ (alternative 1x DN80 flange)	
	31.0	1095	10	145									
	27.3	965	12	175									
	24.0	850	14	200									

<sup>1)</sup> Applies to standard unit without air treatment with overrun brake chassis

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

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

# Compressed air treatment systems



# Dimensions/versions



# 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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