



MOBILAIR M 350

Portable Compressors

With the world-renowned SIGMA PROFILE

Flow rate 24.0 to 34.0 m³/min (850 to 1200 cfm)

MOBILAIR M 350

The powerful combination of the highly efficient KAESER SIGMA PROFILE rotary screw air end 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 m³/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 air end.

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 PL 2004/26, Stage IIIb and US exhaust emissions directive EPA Tier 4 Interim) together with the high efficiency SIGMA PROFILE rotary screw attend deliver more compressed air with less energy consumption.



SIGMA CONTROL MOBIL

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



Clean performance

A part 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 attend 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.



Maintenance connections

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



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.



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.





Available equipment

Chassis options

Portable versions with tandem or steerable axles and parking brakes are available for plant or construction site use. Recessed lifting eyes and forklift pockets make loading simple. The compressor 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 site 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 hoses are sealed with screw plugs.

Pressure variants

Models are available in various pressure versions ranging from 8.5 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.

Compressed air treatment systems



Air treatment

The compressed air is cooled to 7°C above ambient temperature. The condensate is removed via a flow-optimized 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 arrester 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		Compressed air outlet			
	Flow rate m³/min	Operating pressure bar	psi	Make	Type	Rated engine power kW	Speed at full load rpm	Fuel tank capacity l		Operational weight ¹⁾ kg	Sound power level ²⁾ dB(A)	Sound pressure level ³⁾ dB(A)
M350 Skid / MB Tier 4 interim	34.0	1200	8.6	152	Manocodes	285	1650	650	6200	5-100	71	2.61 1.62 1.42 1.28 1.18 1.08 1.02 0.98 0.94 0.90 0.86 0.82 0.78 0.74 0.70 0.66 0.62 0.58 0.54 0.50 0.46 0.42 0.38 0.34 0.30 0.26 0.22 0.18 0.14 0.10 0.06 0.02 0.00
	31.0	1035	10	145	Manocodes	280	1650	650	5910			
	27.3	865	12	115	Manocodes with SCR-Cat	280	1650	650	5910			
M350 Skid / MA Tier 3	24.0	850	14	200	Manocodes Benz	280	1650	650	5910	Only for export outside of EU	71	2.61 1.62 1.42 1.28 1.18 1.08 1.02 0.98 0.94 0.90 0.86 0.82 0.78 0.74 0.70 0.66 0.62 0.58 0.54 0.50 0.46 0.42 0.38 0.34 0.30 0.26 0.22 0.18 0.14 0.10 0.06 0.02 0.00
	21.0	720	10	145	Manocodes	280	1650	650	5910			
	18.0	600	12	115	Manocodes Benz	280	1650	650	5910			

¹⁾ Applies to standard unit without air treatment with overall tank class
²⁾ Guaranteed sound power level at 2000 Hz A-weighting
³⁾ Measuring surface sound pressure level at 500 Hz A-weighting

Dimensions/versions

Version	Image	Dimensions (mm)
Version Tandem axle		6600 x 6385
Version Steerable axle		6385
Version SKDs		4700
Version Stationary		4600

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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