

HPC

Portable Compressors **MOBILAIR M 50**

With the world-renowned SIGMA PROFILE 

Flow rate 5.0 m³/min



Worldwide sales and service network



As one of the world's largest compressor manufacturers, KAESER is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 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 systems 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 all products operate at the peak of their performance at all times and provide maximum availability.

Maximum versatility

The MOBILAIR 50 is the ideal choice for powering equipment such as breakers and impact borers. Meticulous construction and premium quality components ensure trouble-free operation in ambient temperatures ranging from -10 °C to +50 °C. A low temperature version is also available for use in lower ambient temperatures. Versatility is further enhanced by the chassis, as it can be equipped with or without an overrun brake and is available with a fixed or height adjustable tow bar. Stationary versions can be installed either on skids or machine mountings (all stationary systems feature a metal enclosure).



The perfect energy-saving combination: Kubota engines and KAESER airends

The M 50 features a specially designed energy-saving SIGMA profile airend, which is directly driven by a water-cooled four-cylinder Kubota diesel engine. Direct drive eliminates the transmission losses associated with other systems, consequently providing more air for less fuel.

Separate air filters for engine and compressor: The air filters are specially tailored to suit required air demand and therefore ensure dependable system operation. A further important design detail is the electric fuel pump which enables quick and simple deaeration of the diesel lines. Labour-intensive manual pumping is therefore eliminated.

MOBILAIR

Lightweight – Qu



Lightweight

Powerful doesn't necessarily mean heavy: The M50 has a low operational weight of less than 750 kg and is therefore incredibly simple to manoeuvre and transport. Moreover, its 80 litre diesel fuel capacity ensures that the M 50 has more than enough power available to last an entire work shift.

M 50

Quiet – Powerful



PE enclosure

Made from roto-moulded polyethylene, the double-walled sound enclosure ensures long-term value retention and is both corrosion and scratch-resistant.



Metal enclosure

The sound-proofed all-steel enclosure ensures long-term corrosion resistance and value retention thanks to high quality zinc priming and tough powder coating. Stationary systems are always equipped with metal enclosures.



Alternative colours

The following special colours are available at short notice for the PE enclosure:

Blue – Equivalent to RAL 5017
Green – Equivalent to RAL 6024
Red – Equivalent to RAL 3020
Orange – Equivalent to RAL 2009

Other colours are available upon request.



Easy operation

The combination of manual change-over from off-load to on-load operation and a start switch with pre-heat function ensures a dependable soft-start even under cold conditions. A pressure gauge and airtend discharge temperature display provide at-a-glance information regarding operational status.



Service-friendly

The enclosure opens to provide excellent component access and therefore greatly simplifies all servicing and maintenance tasks.



Patented Anti-Frost Control

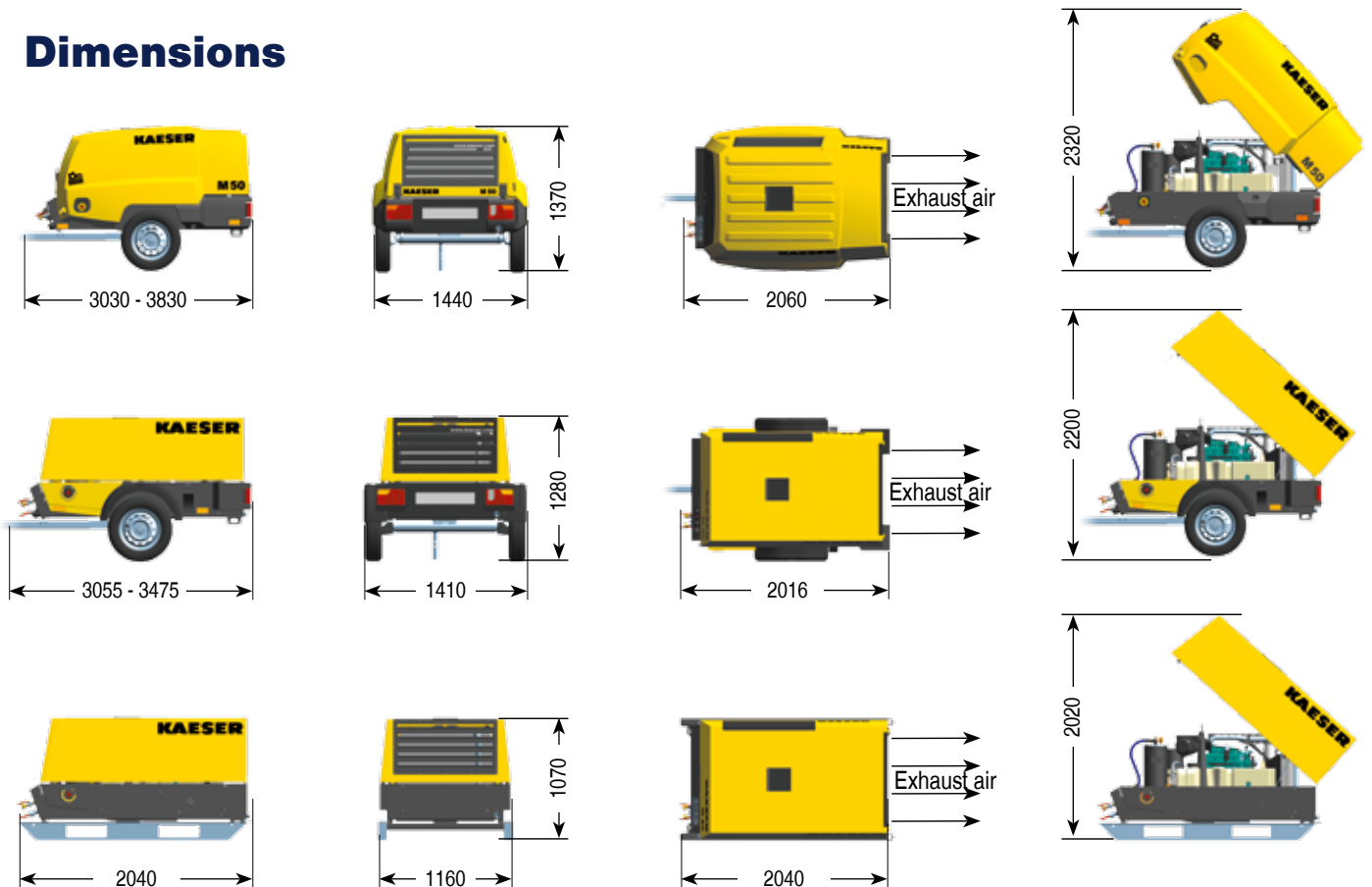
Specially developed for portable compressors, the patented Anti-Frost Control automatically adjusts operating temperature in relation to ambient. Together with an optional tool lubricator, the Anti-Frost Control prevents compressed air tools from freezing up, even with cold outside temperatures, therefore helping to extend service life.



Hose reel

The optional pre-installed hose reel on the overrun brake equipped model holds 20 m of lightweight hose which does not have to be fully reeled out for operation. As the hose is installed within the compressor unit, this not only enhances hose service life and availability, but also protects it from damage (splitting, stretching, being run over) and contamination.

Dimensions



Technical specifications

Model	Compressor		4-cylinder diesel engine (Water-cooled)				Complete unit				
	Free air delivery m ³ /min	Working pressure bar	Make	Model	Rated engine power kW	Speed at full load rpm	Fuel tank capacity l	Operational weight kg	Sound power level dB(A)*	Sound pressure level dB(A)**	Air outlet
M 50	5.0	7	Kubota	V1505-T	32.5	3000	80	735	< 98	69	2 x G ³ / ₄ 1 x G1

*) Guaranteed sound power level to directive 2000/14/EC – **) Surface sound pressure level to ISO 3744, (r = 10 m)