

## Portable Compressors MOBILAIR M 52 / M 64

With the world-renowned SIGMA PROFILE 

Free air delivery 5.2 / 6.4 m<sup>3</sup>/min



# MOBILAIR M 52 / M 64

## – Superior Power and Performance

### Worldwide sales and service network

KAESER is one of the world's foremost compressor manufacturers and providers of compressed air systems. Its products are renowned for their outstanding quality, advanced technology and exceptional efficiency.

Ensuring global product support and customer satisfaction, KAESER is represented in every major industrial nation throughout the world by a comprehensive network of international offices and authorised distributors.



**Large gull-wing doors:**  
Optimal component accessibility for ease of maintenance.

**Fully galvanised Knott chassis**  
Tow bar height can be adjusted from 390 to 980 mm



### Durable and avertible

The M 52 and M 64 are in a class of their own when it comes to versatility, as they can be precisely 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 mounted on skids or machine mountings.

### Ambient temperature



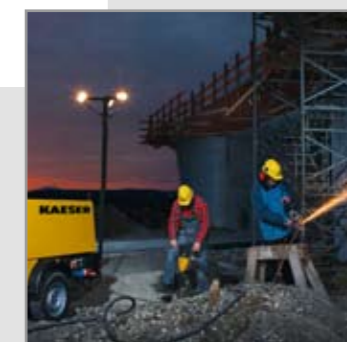
Standard models can be used in ambient temperatures ranging from -10 °C to +50 °C, whilst the low temperature versions can be used in temperatures as low as -25 °C.

### Patented Anti-Frost Control

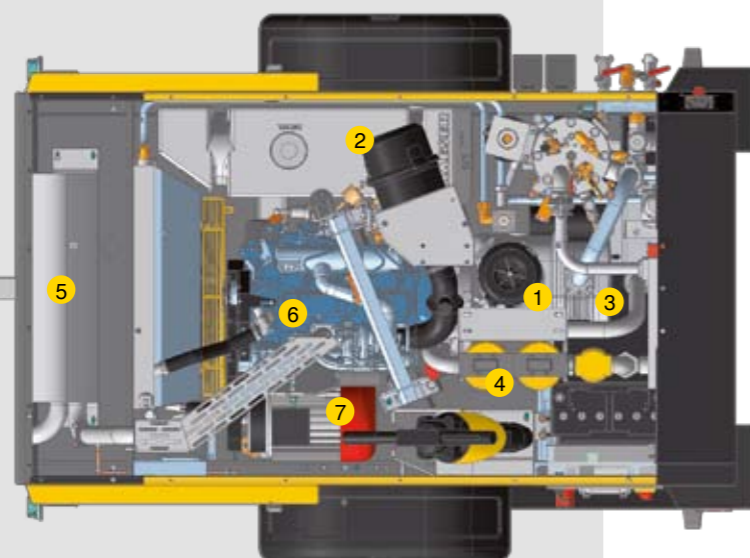


Specially developed for portable compressors, KAESER's patented Anti-Frost Control automatically regulates operating temperature in relation to ambient. This not only prevents tools from freezing, but also extends air tool service life and availability.

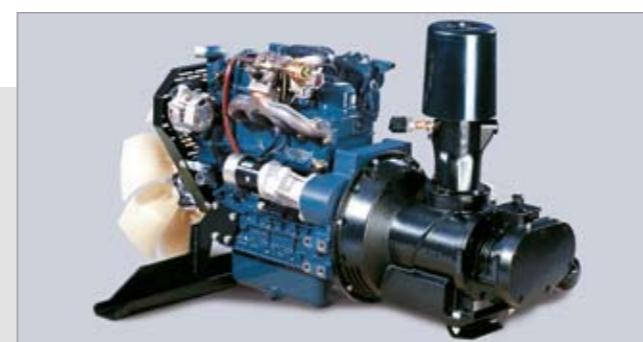
### Air and power



Single-source air- and generator power. The user is able to take advantage of simultaneous compressed air and generator power anytime, anywhere.



- 1 Compressor air filter
- 2 Engine air filter
- 3 SIGMA airend
- 4 Compressed air treatment (Option)
- 5 Internal exhaust silencer (protected from potential damage)
- 6 Diesel engine
- 7 Generator (Option)



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

The M 52 and M 64 feature 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. A fuel filter with water separation capability further enhances reliability and is fitted as standard.

# MOBILAIR M 52 / M 64 – Superior Power and Performance



## User-friendly operation

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 also 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 unit in cold ambient conditions.



## Dedicated intake filter for motor and airend

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. Diesel line bleeding is made simple via the fuel feed pump (Start switch).



## Generator

The M 52's 3-phase generator (IP54) delivers impressive power of 8.5 kVA, whilst the M 64 is available with either an 8.5 kVA or 13 kVA generator. These brushless generators are maintenance-free and, depending on energy requirement, can be switched from continuous operation to energy-saving automatic start mode.



## Cool, clean compressed air

The compressed air is cooled to 7 °C above ambient temperature. Accumulated condensate is able to drain away easily, as the compressed air cooler is installed at an angle, whilst the hot exhaust gasses from the motor are also used to aid condensate evaporation. This design consequently ensures reliable frost prevention during the winter months.

Additional air treatment components need to be installed downstream from the after-cooler and centrifugal separator (e.g. filter combinations for concrete cleaning as per ZTV-SIB) in order to achieve compressed air of a specified quality class (see next page). The differential pressure indicator enables filter status to be monitored quickly and easily.



## Tool storage space

For units equipped with a generator, the storage cases that are otherwise installed are replaced by the tool box shown in the image.

## Hose reel

The pre-installed hose reel 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.


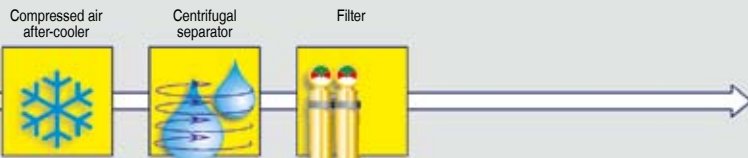
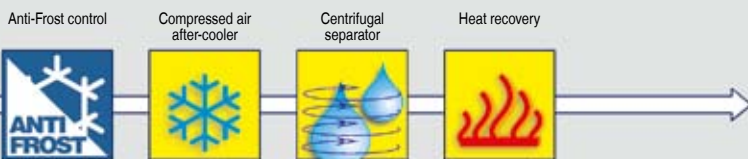
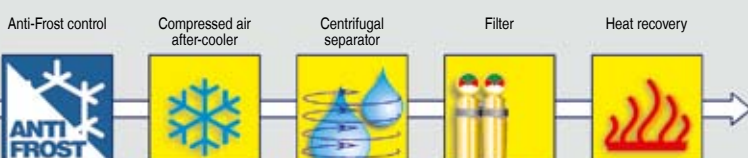



## Generator version:

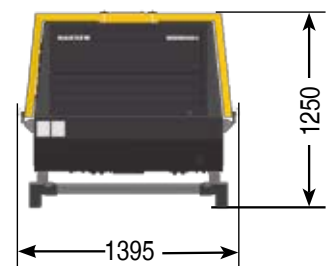
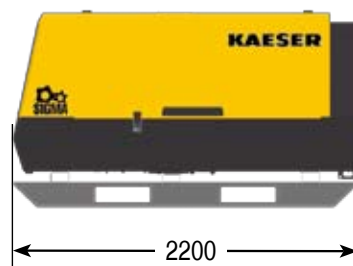
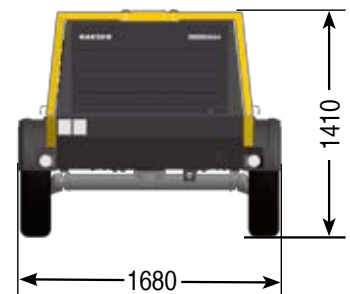
The switch panel – which can be equipped with a cover flap if required – features splash-protected sockets in accordance with IP 44 and a lockable main switch. The safety cut-out system with insulation monitoring makes earthing superfluous.



# Air treatment systems

|  |  |   |
|--|--|---|
| <p><b>System A</b></p> <ul style="list-style-type: none"> <li>• Cool</li> <li>• Condensate-free</li> </ul>                     |    | <p>Cool, condensate-free compressed air (100 % saturated), <b>for powering air tools and temporarily replacing stationary compressors</b></p>           |
| <p><b>System F</b></p> <ul style="list-style-type: none"> <li>• Cool</li> <li>• Condensate-free</li> <li>• Filtered</li> </ul> |    | <p>Cool, condensate-free compressed air (100 % saturated), <b>free from dirt particles and oil in accordance with applicable regulations</b></p>        |
| <p><b>System B</b></p> <ul style="list-style-type: none"> <li>• Warmed</li> <li>• Dried</li> </ul>                             |    | <p>Dried compressed air, warmed to at least 20 °C, <b>for working at subzero temperatures and with long air lines</b></p>                               |
| <p><b>System G</b></p> <ul style="list-style-type: none"> <li>• Warmed</li> <li>• Dried</li> <li>• Filtered</li> </ul>         |   | <p>Dried compressed air, warmed to at least 20 °C, <b>free from dirt particles and oil in accordance with applicable regulations</b></p>                |
| <p><b>Breathing-quality air</b></p> <p>Additional filtration to provide partial flow as breathing air</p>                      |  | <p>Breathing air connected via a <b>separate quick-release coupling</b> (Only in combination with one of the above mentioned air treatment systems)</p> |

Additional air treatment systems for the MOBILAIR M 52 and M 64 are available upon request. Please contact Kaeser for further details.





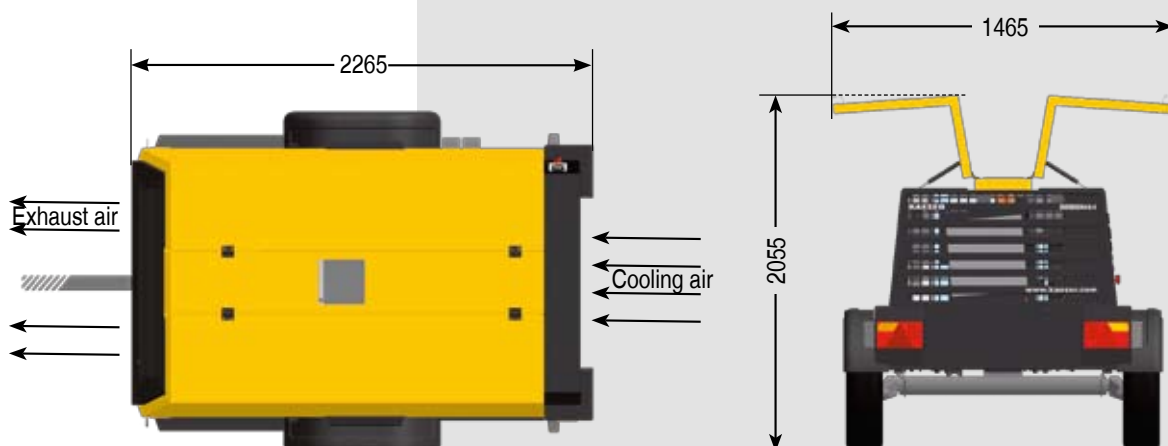
## Technical specifications – MOBILAIR M 52 / M 64

| Model                              |                     | M 52         | M 52-G<br>8.5 kVA | M 64 |                            | M 64-G<br>8.5 kVA |     | M 64-G<br>13 kVA |
|------------------------------------|---------------------|--------------|-------------------|------|----------------------------|-------------------|-----|------------------|
| FAD                                | m <sup>3</sup> /min | 5.2          | 5.2               | 6.4  | 5.0                        | 6.4*              | 5.0 | 5.0              |
| At working pressure                | bar                 | 7            | 7                 | 7    | 10                         | 7                 | 10  | 7                |
| Drive motor (water-cooled)         |                     | Kubota V2203 |                   |      | Kubota V2003T              |                   |     |                  |
| Rated motor power                  | kW                  | 34.3         |                   |      | 41.8                       |                   |     |                  |
| Speed at full load                 | rpm                 | 2850         |                   |      | 2750                       |                   |     |                  |
| Idling speed                       | rpm                 |              |                   |      | 2000                       |                   |     |                  |
| Fuel tank capacity                 | l                   |              |                   |      | 105                        |                   |     |                  |
| Compressor cooling fluid volume    | l                   |              |                   |      | 15                         |                   |     |                  |
| Operational weight                 | kg                  |              |                   |      | 1230 (without generator)   |                   |     |                  |
| Permitted total weight (Axle load) | kg                  |              |                   |      | 1350                       |                   |     |                  |
| Sound power level**                | dB(A)               |              |                   |      | ≤98                        |                   |     |                  |
| Sound pressure level***            | dB(A)               | 69           |                   |      | 68                         |                   |     |                  |
| Air connection                     |                     |              |                   |      | 2x G $\frac{3}{4}$ . 1x G1 |                   |     |                  |
| Optional air treatment equipment   |                     |              |                   |      | Available                  |                   |     |                  |

\*) Further versions are also available

\*\*) Guaranteed sound power level to directive 2000/14/EU

\*\*\*) Surface sound pressure level to ISO 3744, (r = 10 m)





## Worldwide sales and service network: KAESER – Always there

With over 3500 employees worldwide, Kaeser is one of the world's foremost compressor manufacturers and providers of compressed air systems. Kaeser is represented in every major industrial nation throughout the world by 38 subsidiary companies and 48 authorised partners.



|            |                |            |            |             |                       |                 |                |
|------------|----------------|------------|------------|-------------|-----------------------|-----------------|----------------|
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| Argentina  | Costa Rica     | Guatemala  | Latvia     |             |                       |                 |                |
| Australia  | Croatia        | Honduras   | Lithuania  |             |                       |                 |                |
| Austria    | Cyprus         | Hungary    | Luxemburg  |             |                       |                 |                |
| Bangladesh | Czech Republic | Iceland    | Malaysia   |             |                       |                 |                |
| Bahrain    | Denmark        | India      | Mauritania |             |                       |                 |                |
| Belarus    | Ecuador        | Indonesia  | Mauritius  | Peru        | Saudi Arabia          | Spain           | Turkey         |
| Belgium    | Egypt          | Ireland    | Mexico     | Philippines | Sweden                | South Africa    | Ukraine        |
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