

**KAESER**  
COMPRESSORS®

*Built for a lifetime.*



# MOBILAIR® M250E / M255E

**Electric portable compressor**

Capacities from: 565 - 990 cfm

Pressures from: 87 - 200 psig

**[kaeser.com](http://kaeser.com)**

# MOBILAIR® M250E / M255E

*Environmentally friendly, powerful and efficient - MOBILAIR e-power compressors are electric powered units built for the rigors of outdoor operation and movement from site to site. The MOBILAIR M250E or M255E can be used either as a temporary solution to expand the capacity of an existing compressed air station, or as a long-term or permanent outdoor installation for industrial applications. They are particularly well suited for use in locations where no compressor room is available, such as in mines, tunnels, shipyards, or large construction sites.*

## Exceptional versatility

Their compact design allows these units to operate in locations where space is at a premium. The electric exhaust-free drive eliminates emissions. This, combined with low noise, allows for placement in both outdoor and indoor locations without compromising human safety and comfort.

## Easy to transport and position on site

Transportation is simple and convenient. These units are designed to fit side-by-side on a single truck bed. They can be positioned by crane or forklift, and the tie-down rings can be used to adjust final placement. Heavy duty, high clearance skids enable the units to be easily moved into position while protecting the under carriage from damage.

## All weather reliability

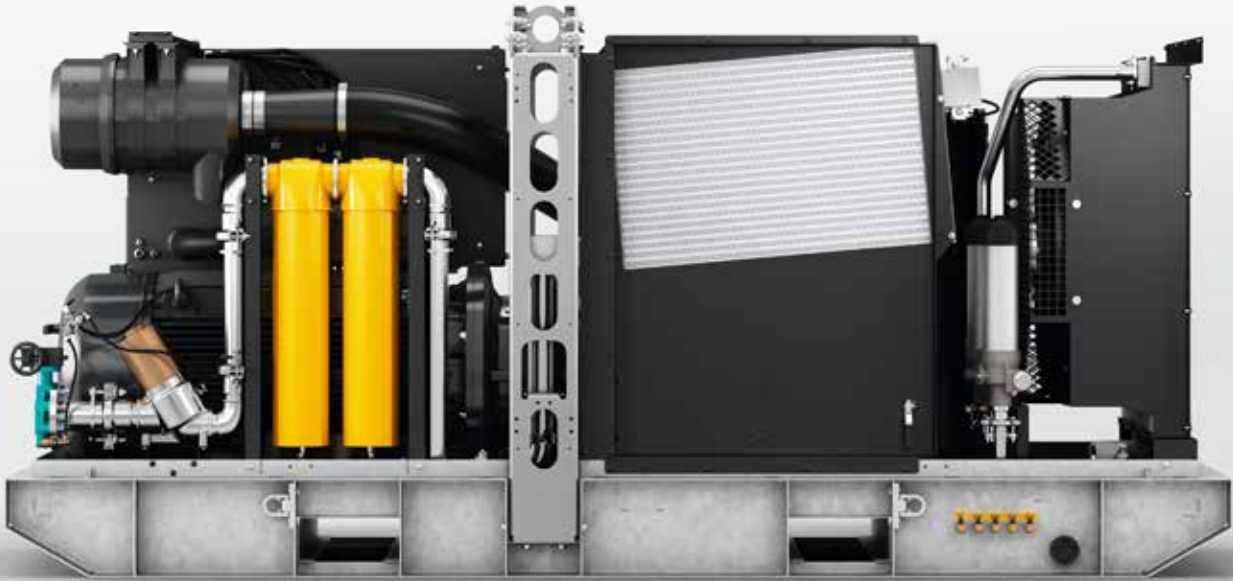
An industrial powder coated cabinet with floor pan provides all around protection, and the electrical cabinet is protected behind two gasketed steel doors. Standard equipment includes radiant heaters to allow trouble free operation from 14°F to 104°F.

## Ready to connect

The MOBILAIR M250E and M255E are both delivered ready for hook up. Camlock connectors come standard for added convenience when the unit will be moved between operating locations.



# Uncompromising Energy Efficiency



*\*Image shows optional coalescing filter combination.*



## **SIGMA PROFILE airend**

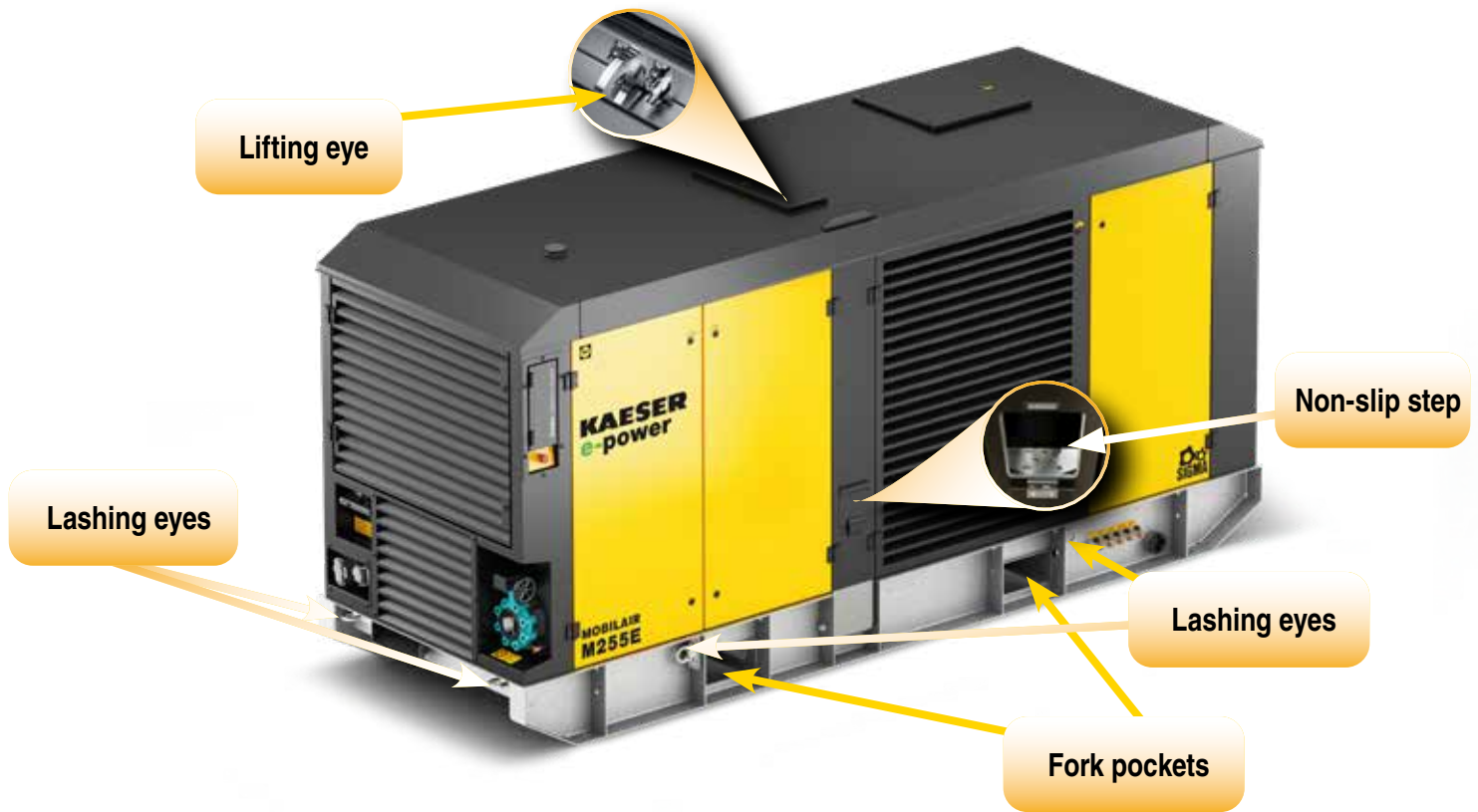
At the heart of every MOBILAIR compressor lies our premium-quality SIGMA PROFILE airend featuring KAESER's unrivaled energy-saving rotor design. This along with our optimized flow characteristics and 1:1 direct drive deliver more compressed air for less energy.



## **IE4 motors with direct drive**

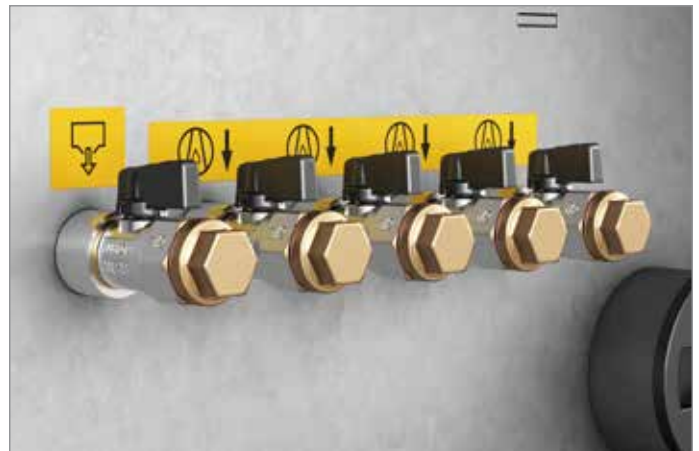
These compressors are equipped with Super Premium Efficiency IE4 motors and star-delta starters to deliver maximum energy efficiency. The totally enclosed, fan cooled design ensures reliable performance under tough conditions.

# Safety and Convenience



## Environmentally-friendly fluid filter

The eco-filter elements used in the aluminium fluid filter housings contain no metal components, meaning that they can simply be thermally disposed of at the end of their service life, without the need for further pretreatment.



## Easy service access

All maintenance parts are easily accessed via large doors or removable panels. Service work is quick and cost-effective, thanks to features such as grease fittings for motor maintenance and externally-mounted drain ports for rapid compressor fluid changes. The standard closed floor pan with cleaning apertures immediately catches any liquids to prevent potential contamination of the floor or ground.

# Intelligent Equipment



## SIGMA CONTROL SMART

KAESER e-power units are exceptionally easy to use, with just six buttons needed for most operations. Start/stop control and pressure adjustment are intuitive and straightforward. The color display indicates any faults, shows operating status and even features a countdown to the next scheduled service. A durable, metal flap protects the control panel and has basic operating instructions at eye level.

## Multiple pressure variants

M250E and M255E units are available in multiple pressure variants ranging from 125 to 200 psig (see specifications table on p.7). Pressure can be easily adjusted in 1 psi steps using the arrow keys on the SIGMA CONTROL SMART. The pressure adjustment control can also be disabled electronically to prevent unauthorized changes to settings.

## Control mode options


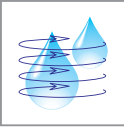

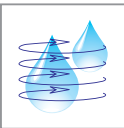
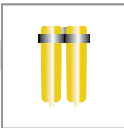
Standard units operate on modulation control, which is often ideal for maintaining stable discharge pressure in a single unit system. If the compressor is going to be used in conjunction with other compressors, the optional DUAL control mode may be selected. Target cut-in and cut-out pressure are configured easily, and unit operation can be based on air system pressure fed to the SIGMA CONTROL SMART via quick coupling. The DUAL control mode option also features the remote start-stop function.

## Remote asset management

If the Telematics 36 option is selected, KAESER will factory equip your M250E / M255E with a modem and connect it to our telematics portal. KAESER pays the portal fees for 36 months and you can view operating data, current service messages and system location online. If desired, KAESER can monitor this data as well to help keep you informed about the usage and condition of your equipment.

# Quality Air

## Compressed air treatment variants

<p><b>Variant A (standard)</b></p> <ul style="list-style-type: none"> <li>- Cool</li> <li>- Condensate-free</li> </ul>	<p>Compressed air aftercooler</p>  <p>Centrifugal separator</p> 	<p>Cool, condensate-free compressed air (100% saturated), for compressed air tools and temporary replacement of existing stationary compressors  <math>\Delta t = 9 - 18^{\circ}\text{F}</math></p>
<p><b>Variant F (optional)</b></p> <ul style="list-style-type: none"> <li>- Cool</li> <li>- Condensate-free</li> <li>- Coalescing Filters</li> </ul>	<p>Compressed air aftercooler</p>  <p>Centrifugal separator</p>  <p>Filters</p> 	<p>Cool, condensate-free compressed air (100 % saturated), free from contaminants and technically oil-free</p>



### Frost protection

The standard-equipped compressed air aftercooler is installed at an angle so that condensate flows out automatically when the unit switches off, thereby avoiding any potential for damage from freezing.



### Condensate disposal

The separated condensate can be collected in the standard-equipped canister when operating for short periods. Alternatively, the unit can be connected to an external KAESER Condensate Filter (KCF) for longer periods of operation.

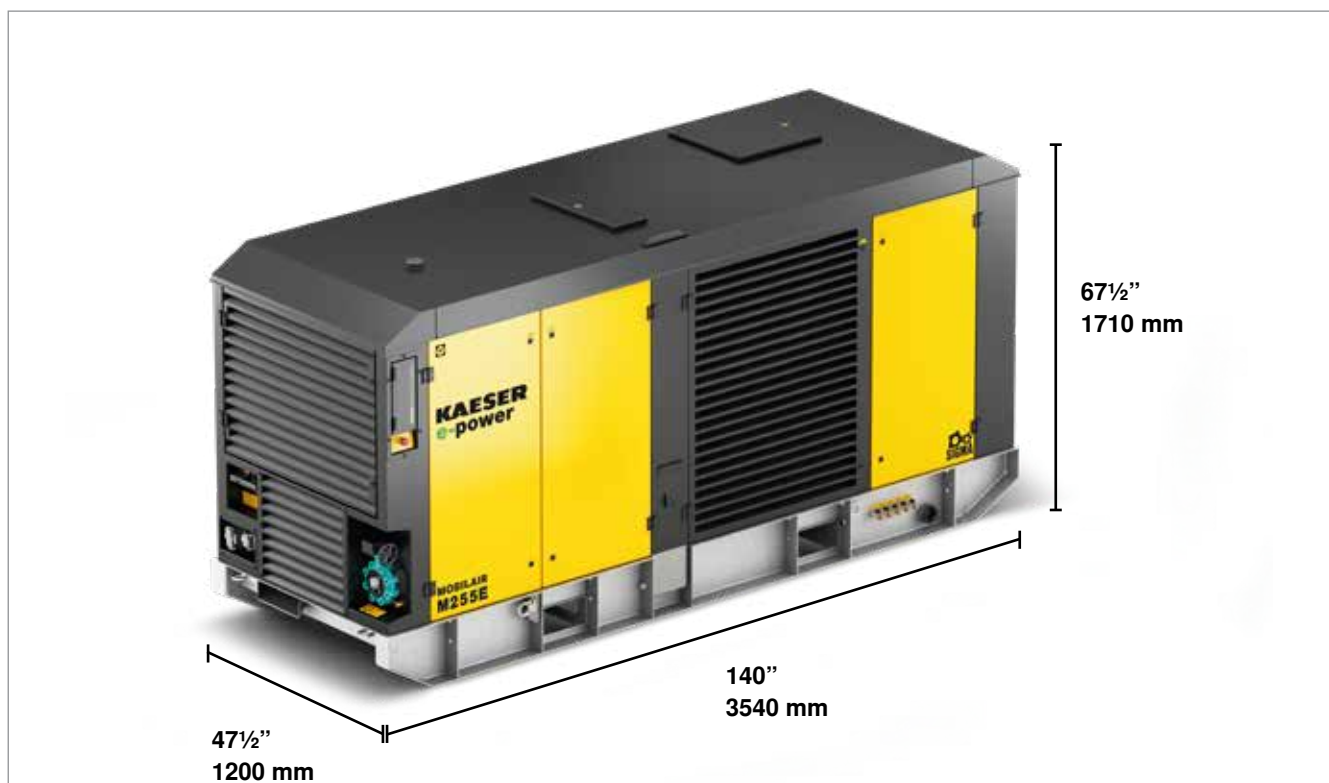
# Technical specifications

COMPRESSOR				DRIVE MOTOR			PACKAGE			
Voltage	Model	Flow rate cfm	Working Pressure psig	Make	Rated motor power hp	Efficiency class	Operating weight lbs	Comp. air connection	L x W x H (in.)	Sound Level (dB(A)) <sup>(2)</sup>
480V <sup>(1)</sup> 3ph 60Hz	M250E	885	125	Siemens	200	IE4	7485	3" ASME Flange	140 x 47½ x 67½	76
		705	175				6867			
		565	200				6889			
	M255E	990	125		250		8047			
		870	150				8102			
		690	200				7485			

<sup>(1)</sup> 575V also available

<sup>(2)</sup> Sound level maximum is 76 db(A) at 23 feet  
Specifications are subject to change without notice.

# Dimensions



# The world is our home

As one of the world's largest compressed air systems providers and compressor manufacturers, KAESER COMPRESSORS is represented throughout the world by a comprehensive network of branches, subsidiary companies and factory trained partners.

With innovative products and services, KAESER COMPRESSORS' 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. Every KAESER customer benefits from the decades of knowledge and experience gained from hundreds of thousands of installations worldwide and over ten thousand formal compressed air system audits.

These advantages, coupled with KAESER's worldwide service organization, ensure that our compressed air products and system deliver superior performance with maximum uptime.



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