

KAESER
COMPRESSORS

Zero emission

e-power

Environment-friendly

Efficient

Quiet



MOBILAIR M 27E/M 31E/M 50E

Portable Compressors

Mobile e-power 400V-3ph-50Hz

Flow rate 1.9 to 5 m³/min



www.kaeser.com

e-power - The alternative, emissions-free drive for portable compressors

The new M27E, M31E and M50E portable compressors truly come into their own wherever an electrical power connection is available. Their **whisper-quiet electric drive** makes them the perfect choice for use in **noise protection and low emission zones**. Compressed air applications in tunnels and within buildings are tamed by the compressors' emissions-free drive.

Featuring IE3 premium efficiency motors suitable for on-site use with IP55 protection and Class F insulation, the road-going compressors are an excellent choice for flexible **bridging of industrial compressor stations, for example when performing service work**, thanks to their low energy and maintenance costs.



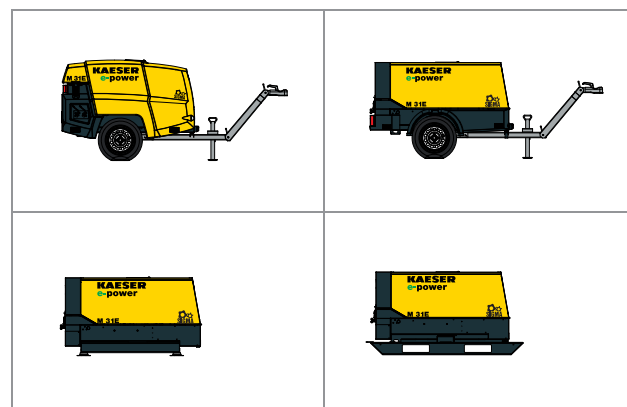
Intelligent compressor control SIGMA CONTROL SMART

Desired maximum pressure is easy to adjust in steps of **0.1 bar** at the press of a button. Protected by a durable metal cover, the colour display shows the countdown to the next service and reports faults such as, for example, reversed poles when connecting the electrical supply, which can be simply corrected via the **commutator switch** fitted as standard.



On-board compressed air treatment

The patented Anti-Frost Control is included as standard equipment. The compressor units can be optionally equipped with a compressed air aftercooler to provide cool and **condensate-free compressed air**. Accumulated condensate is collected in a canister to safeguard to the environment. Furthermore, the M27E and M31E models are available with a plate heat exchanger to enable compressed air reheating.



Wide range of equipment options

Road-going compressor models are available with a choice of either a roto-moulded polyethylene enclosure or a powder-coated metal enclosure. Furthermore, due to the low operational weight of less than 750 kg, the chassis can be provided with or without a run-on brake. Stationary versions, however, are always equipped with a metal enclosure. Various other options can also be configured – simply contact us for further details.

Your benefits at a glance:

- ✓ Easy power connection; electrical outlet (32A or 64A) on the unit
- ✓ Reduced operating costs (electrical power installed on-site)
- ✓ Patented Anti-Frost Control: prevents tools from freezing up
- ✓ Suitable for indoor and outdoor use
- ✓ Required pressure adjustable in 0.1 bar steps
- ✓ No noise nuisance: super-quiet performance
- ✓ Hose-reel option (does not need to be fully reeled out during operation)
- ✓ Low operational weight (less than 750 kg) – also without run-on brake
- ✓ Significantly lower maintenance costs compared to diesel-powered machines
- ✓ Compressed air aftercooler for condensate-free compressed air
- ✓ Perfect for use in noise protection and low emission zones



Technical specifications

Model	Compressor				Siemens IE3 electric motor / Connections			Compressed air treatment	
	Flow rate		Working pressure		Rated motor power kW	Voltage variant 400V-3ph-50Hz	Voltage variant 230V-3ph-50Hz	Option A	Option B
m³/min	cfm	bar	PSI						
M27E	2.6	92	7	100	15	32A CEE plug or terminal box	63A CEE plug or terminal box	Aftercooler / Centrifugal separator	Anti-Frost Control Aftercooler / Centrifugal separator Heat feedback
M31E	3.15 2.6 2.3 1.9	110 92 81 67	7 10 12 14	100 145 175 200	22	63A CEE plug or terminal box	Terminal box	Aftercooler / Centrifugal separator	Anti-Frost Control Aftercooler / Centrifugal separator Heat feedback
M50E	5.0 3.8	180 135	7 10	100 145	25	63A CEE plug or terminal box	Terminal box	Aftercooler / Centrifugal separator	–

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.



KAESER KOMPRESSOREN SE

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