

HPC | Compressed
Air Systems

Portable Compressors

Mobilair M 13 - M 15 - M 17

Portable compressors with the world-renowned **Sigma Profile** ✱
FAD: 0.75 to 1.6 m³/min



M 13 M 15 M 17

Compact design with impressive performance

Heavyweight performance doesn't have to come with the burden of high operational weight and there are no better examples of this than Kaeser's smaller Mobilair models: The M 13, M 15 and M 17. Exceptionally compact and lightweight, models are available to provide 1.2, 1.4 or 1.6 m³ of quality compressed air per minute (at 7 bar). Moreover, in order to cover as wide a range of needs as possible, the M 13 is offered as a standard petrol version, or as an electric version.

Exceptionally versatile

The three versions of the smallest Mobilair compressors offer incredible versatility for a wide range of applications. They deliver the energy required to power breakers, air spades, pneumatic drills, saws, wrenches, grinders, impact borers and pipe inspection robots. The 15-bar version is the ideal choice for trenchless laying of glass fibre cables or for leakage tests. An external compressed air aftercooler can also be optionally connected to ensure cool, condensate-free air at all times.

Rotary screw compressor with petrol or electric drive

At the heart of every model lies a proprietary Kaeser airend equipped with energy-efficient Sigma Profile rotors. A Honda petrol engine or a high performance three-phase electric motor (M 13E) provides the necessary power. A maintenance-free V-belt drive system ensures dependable power transmission between the motor and airend. Models are also available in various pressure versions ranging from 7 to 15 bar.

User-friendly operation

The quality of Kaeser's M 13, M 15 and M 17 portable compressors is apparent by their user-friendly design. This is achieved by:

- an easy-to read control panel with pressure gauge, operating hours counter and airend temperature monitoring
- straightforward key start-up and dependable cold-start with choke and electrical starter for petrol engine models
- single switch actuation with star-delta start to prevent start-up current surge with electric compressor version. Motor rotation direction monitoring and convenient pole-changing switch (for inadvertent incorrect poling when connecting the compressor to the mains electrical supply)

Easy to transport

These compact portable compressors will fit into even the tightest of loading spaces, which leaves the vehicle towing hitch free for use. A counter-sunk lifting eye makes loading and unloading procedures simple.

Alternative colours

The corrosion- and scratchproof rotation sintered polyethylene enclosure is also available in the following colours:

- Blue – equivalent RAL 5017
- Green – equivalent RAL 6024
- Red – equivalent RAL 3020
- Orange – equivalent RAL 2009

Other colours available upon request.



Minimal space requirement





M13 M15 M17

**Maximum versatility –
with two drive options**



Impressive performance

The compressor's impressive performance and staying power is made possible thanks to its generously sized fuel tank and continuous delivery control, which precisely matches air delivery to meet actual demand. This further reduces the fuel consumption of these already efficient machines.



The emission-free alternative

Equipped with a quality 3-phase motor (IP54 ISO F), the emissions-free and super-quiet M 13E is the perfect choice for use in closed environments and in sound-sensitive areas.



Easy-load design

The compressor can be manually lifted via four ergonomically designed hand grips, e.g. to enable loading on to a transporter.



Outstanding manoeuvrability

Compact design, large pneumatic tyres, a low centre of gravity and a long, stowable towbar make manoeuvrability simple.

Compressed air aftercooler (Option)

The M 13, M 15 and M 17 can be operated with an external compressed air after-cooler to ensure cool, condensate-free compressed air. Units can be delivered ready prepared ex works with:

- 12-V electrical connection for aftercooler fan
- Connection for return of separated condensate (with the petrol version it is evaporated via hot exhaust gases; with the electric version condensate is collected via an integrated tank)
- Support frame with compressed air after-cooler: The frame (weight: 16 kg) is equipped with fixed connections for compressed air, fan power supply and condensate return. All you need you to do is simply connect a prepared compressor

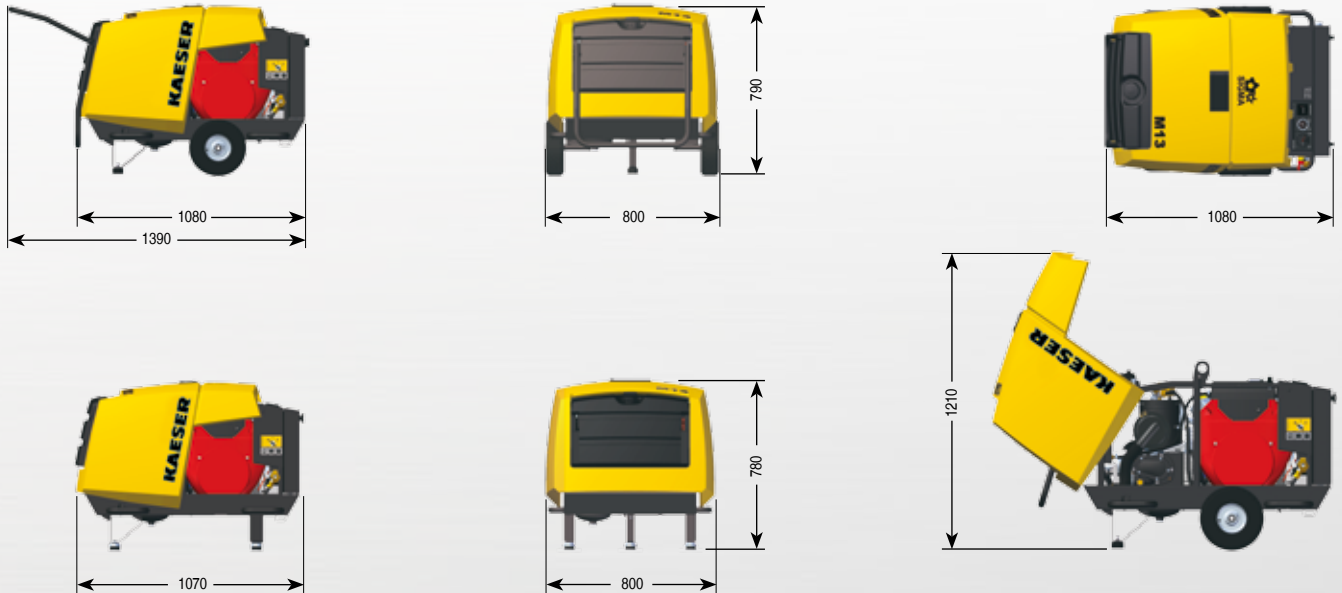


User-friendly

No matter which model you choose, every Kaeser Mobilair compressor is designed with unrivalled user-friendliness and manoeuvrability in mind and provides optimum component access for ease of maintenance. This approach not only minimises maintenance costs, but also ensures maximum machine availability.



Dimensions



Technical Specifications

Petrol engine versions

Model	Compressor unit		Petrol engine						Compressor unit			
	Free air delivery m³/min	Working pressure bar	Make	Model	Rated engine power kW	Speed at full load rpm	Idling speed rpm	Fuel tank capacity	Operational weight kg	Sound power level dB(A)*	Sound pressure level dB(A)**	Air outlet
M 13	1.20 1.00 0.90 0.85	7 10 12 13	Honda	GX 630	15.5	2500	2200	20	202	≤ 97	76	1 x G½
M 15	1.4	7	Honda	GX 630	15.5	3000	2200	20	202	Only for export outside of the EU		1 x G½
M 17	1.6 1.0	7 15	Honda	GX 630	15.5	3300 2300	2400 2000	20	204	Only for export outside of the EU		1 x G½
										≤ 97	76	

Electric version

Model	Compressor unit		Electric motor (3-phase)						Compressor unit			
	Free air delivery m³/min	Working pressure bar	Make	Model	Rated engine power kW	Speed at full load rpm	Voltage variants	Recommended fusing	Operational weight kg	Sound power level dB(A)*	Sound pressure level dB(A)**	Air outlet
M 13E	1.20 1.00 0.90 0.85 0.75	7 10 12 13 15	ABM	4D112 M-2	7.5	3000	400V 50HZ 230V 50HZ 460V 60HZ	25A	187	≤ 97	73	1 x G½

*) Guaranteed sound power level to directive 2000/14/EU – **) Surface sound pressure level to ISO 3744, (r = 4m)

KAESER – The world is our home

As one of the world's largest manufacturers of rotary screw compressors, KAESER KOMPRESSOREN 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 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 all products operate at the peak of their performance at all times and provide maximum availability.

