

Portable Compressors **MOBILAIR M 34 E / M 46 E**

With the world-renowned SIGMA PROFILE 

Free air delivery 3.1 to 4.4 m³/min



MOBILAIR M 34 E / M 46 E

Portable rotary screw compressors with SIGMA PROFILE airends

Compact, fully automatic, single-stage compressors featuring KAESER's acclaimed SIGMA PROFILE airends. The airend in each unit is directly connected to the electric motor via a flexible coupling to ensure exceptional performance.

Compressor unit

- Rotary screw compressor airend, 1:1 direct drive and energy-saving SIGMA PROFILE rotors
- Silenced air intake filter with standard element for multiple use
- Blow-off valve on the separator tank

Design and construction

- Soundproofed body with stiffened floor-pan
- Long-term corrosion resistance and value retention through zinc priming and quality surface coating
- Wide-opening enclosure panels ensure excellent component and maintenance accessibility
- Airend and motor fitted with anti-vibration mounts

Cooling and lubrication

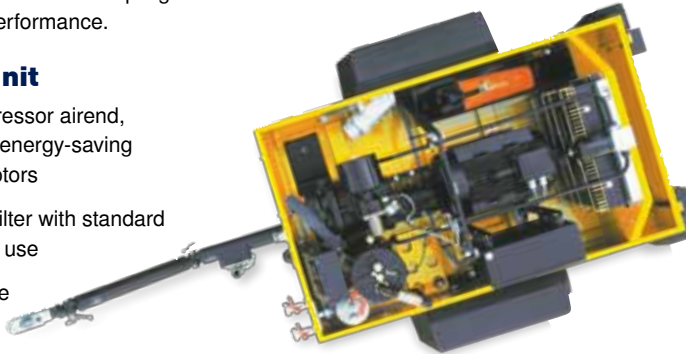
- Combination valve: Closed unit combination valve with thermostatic valve, bypass and microfilter with standard cartridge

The thermostatic valve ensures optimal operating temperature is reached as quickly as possible. This enhances both compressor fluid and separator element service life

- Combined fluid reservoir and separator with multi-stage separator cartridge for minimal remaining fluid content of no more than 2-4 mg per m³ of compressed air

Control

- Demand-optimised, infinitely adjustable air delivery via precision regulation of the air inlet valve



- Automatic venting following machine shutdown

Instrument panel

- Starter switch protected from moisture and can be operated from under the cover
- Operating hours counter
- Outlet pressure gauge
- Remote temperature gauge for airend discharge temperature
- Group alarm indicator

Safety system

- Alarms leading to immediate system shutdown and visual display on the KAESER Control:
 - Triggering of motor overload
 - Incorrect motor rotation
 - Over-/under-voltage
 - Maximum airend discharge temperature exceeded
- EMERGENCY STOP button
- Phase changeover switch for quick and easy rotary field switching
- Visual monitoring functions:
 - Inlet filter contamination

Power supply

- 63 A, 400 V/50 Hz, 5-pin plug

Transport

- Lifting eye for easy loading and unloading
- Height-adjustable tow bar

Operating conditions

Suitable for altitudes up to 1000 m (a.m.s.l.) and ambient temperatures up to 40 °C

Optional accessories

- Integrated hose reel with 20 m hose
- Tool lubricator
- Compressed air aftercooler
- Braked chassis

Dimensions



Technical specifications

Model	M 34 E	M 46 E
Free air delivery	m ³ /min 3.1	4.4 / 3.0
Working pressure	bar 7	7 / 10
Motor	Electric	Electric
Make	ATB	Siemens
Model	A160L-21	1LA9183-2
Rated motor power	kW 22	30
Speed at full load	rpm 3000	3000
Compressor		
Operational weight	kg 650	720
Sound power level *	dB(A) ≤ 98	≤ 98
Sound pressure level **	dB(A) 64	64
Air outlet	2 x G ¾	2 x G ¾ 1 x G1
Fusing	50 A	63 A

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