


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

With the world-renowned SIGMA PROFILE 

Air deliveries 3.4 / 4.6 m³/min, Pressure 7 bar



MOBILAIR M 34 E / M 46 E

Portable rotary screw compressors with SIGMA PROFILE[®] airends

Compact, fully automatic, single-stage compressors featuring KAESER's renowned 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

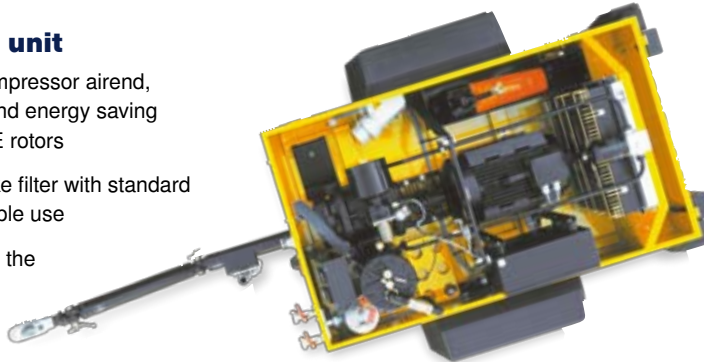
- Soundproofed body with stiffened floor-pan
- Long-term corrosion resistance and value retention through zinc priming and quality surface coating
- Wide-opening enclosure panels ensure excellent component and maintenance accessibility
- Airend and motor fitted with anti-vibration mounts

Cooling and lubrication

- 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 after 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

Transportation

- 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 PVC hose
- Tool lubricator
- Compressed air aftercooler
- Braked chassis

Dimensions



Technical Specifications

| Model | | M 34 E | M 46 E |
|------------------------|---------------------|----------------|-------------------|
| FAD | m ³ /min | 3.4 | 4.6 / 3.35 |
| Working pressure | bar | 7 | 7 / 10 |
| Motor | | Elektro | Elektro |
| Make | | ATB | Siemens |
| Model | | A160L-21 | 1LA9183-2 |
| Rated motor power | kW | 22 | 30 |
| Speed at full load | rpm | 3000 | 3000 |
| Complete unit | | | |
| Operational weight | kg | 650 | 720 |
| Sound power level * | dB(A) | ≤ 98 | ≤ 98 |
| Sound pressure level** | dB(A) | 64 | 64 |
| Compressed 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/EG
** Surface sound pressure level to ISO 3744 (r = 10 m)



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