


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

With the world-renowned SIGMA PROFILE 

Air deliveries 3.4 / 4.6 m<sup>3</sup>/min, Pressure 7 bar



## MOBILAIR M 34 E / M 46 E

### Portable rotary screw compressors with SIGMA PROFILE<sup>®</sup> 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

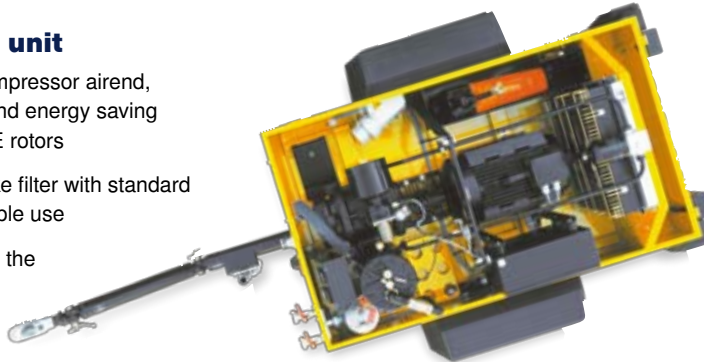
- Soundproofed body with stiffened floor-pan
- Long-term corrosion resistance and value retention through zinc priming and quality surface coating
- Wide-opening enclosure panels ensure excellent component and maintenance accessibility
- Airend and motor fitted with anti-vibration mounts

#### 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 m<sup>3</sup> 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 <sup>3</sup> /min	3.4	4.6 / 3.35
Working pressure	bar	7	7 / 10
<b>Motor</b>		<b>Elektro</b>	<b>Elektro</b>
Make		ATB	Siemens
Model		A160L-21	1LA9183-2
Rated motor power	kW	22	30
Speed at full load	rpm	3000	3000
<b>Complete unit</b>			
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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