

## Portable Compressors **MOBILAIR M 12/M 12E**

With the world-renowned SIGMA PROFILE 

FAD 1.2 m<sup>3</sup>/min – Pressure 7 bar



## MOBILAIR M 12/M 12E

### Portable rotary screw compressor with SIGMA PROFILE

A fully automatic, compact single-stage compressor featuring a SIGMA PROFILE airend, cooled by fluid injection and belt-driven from an air-cooled petrol engine (M 12) or powerful electric motor (M 12E).

#### Compressor unit

- Rotary screw compressor airend with V-belt Drive and energy-saving SIGMA PROFILE airend
- Silenced air intake filter with standard element for multiple use

#### Design and construction

- Stiffened floor-pan
- Zinc priming and quality surface coating for long-term corrosion resistance and value retention
- Excellent component accessibility
- Integrated exhaust silencer located on the underside of the unit (M 12)

#### Cooling and lubrication

- Combination valve with thermostatic valve, bypass and standard spin-on micro-filter as a closed unit regulated to reach optimum operating temperature as quickly as possible to prolong fluid and separator cartridge service life
- Combined fluid reservoir and separator with multi-stage separator cartridge achieving a remaining fluid content of no more than 2-4 mg per m<sup>3</sup> of compressed air

#### Control

- Automatic venting of the package after engine/motor shutdown

#### Instrument panel

- Starter switch protected from moisture and accessible from exterior
- Operating hours counter



- Outlet pressure gauge
- Temperature gauge switch for airend discharge temperature

#### M 12 safety system

- Alarms leading to immediate shutdown and visual indication:
  - maximum airend discharge temperature exceeded
  - low engine oil pressure

#### M 12E safety system

- Alarms leading to immediate shutdown and visual indication on Kaeser Control:
  - triggering of motor overload
  - incorrect motor rotation
  - incorrect mains supply voltage (over-/under-voltage)
  - maximum airend discharge temperature exceeded

#### Fuel supply M 12

- 9.4 litre plastic fuel tank, mounted directly above the engine (easy filling)
- In-line fuel filter as standard
- Fuel: standard unleaded petrol

#### Power supply connector M 12E

- 32 A, 400 V / 50 Hz, 5-pin

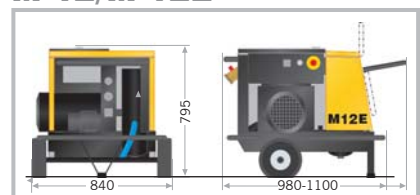
#### Transportation

- Lifting eye for easy loading / unloading
- 2 transporting grips, fold-down handlebar grip

#### Operating conditions

- Ambient temperatures up to +50°C and altitudes up to 1000 m

#### Technical specifications M 12/M 12E



Model	M 12	M 12E
FAD m <sup>3</sup> /min	1.2	1.2
Working pressure bar (g)	7	7
Engine/Motor	Petrol	Electric
Make	Briggs&Stratton	ABM
Model	Vanguard 18 HP	4D112M-2
Rated power kW	12	7.5
Full-load speed (rpm)	2400	3000
Off-load speed (rpm)	2200	3000
Unit		
Fuel tank capacity (l)	9.4	-
Operational weight (kg)	168	168
Sound power level* dB(A)		97
Sound pressure level** dB(A)		68
Air outlet	1 x G 1/2	1 x G 1/2
Fusing (A)	-	25 A

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



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