

MOBILAIR M 76

Free air delivery
7.1 m³/min, 251 cfm



MOBILAIR 76

Portable screw compressor with the SIGMA PROFILE

A fully automatic, single-stage compact screw compressor featuring an airend with SIGMA PROFILE, cooled by fluid injection and driven directly through a coupling from an air-cooled diesel engine.

Compressor unit

- rotary screw compressor airend with energy-saving SIGMA PROFILE, directly driven 1:1
- silenced air intake filter with standard element for multiple use
- blow-off valve on the fluid separator

Bodywork

- soundproofed body with stiffened floor-pan
- long-term corrosion resistance and value retention by zinc priming and quality surface coating
- lift-up canopy providing clear accessibility all round
- airend and engine fitted with antivibration mounts
- exhaust silencer corrosion-protected within the bodywork

Cooling and lubrication

- combination valve with thermostatic valve, bypass and standard spin-on microfilter as a closed unit regulated to reach optimum operating temperature as quickly as possible to prolong the life of the fluid and the separator cartridge
- combined fluid reservoir and separator with multistage separator element achieving a remaining content of no more than 2 - 4 mg/m³ of compressed air

Control

- precise matching of delivery to demand, from 0 to 100 %, by regulating engine speed and air inlet valve
- automatic venting after engine shutdown

Instrument panel

- battery main switch within the canopy
- starter switch protected from moisture within the canopy but accessible from outside



- operating hours indicator
- outlet pressure gauge
- temperature gauge switch for airend discharge temperature
- group alarm lamp

Safety system

- re-start inhibitor
- alarms leading to immediate shutdown and indication by the group alarm lamp
 - maximum airend discharge temperature exceeded
 - low engine oil pressure
 - alternator not charging
- optical supervisory function
 - clogged air filters

Fuel supply

- fuel tank sufficient for one working day
- in-line fuel filter

Transport

- lifting eye for easy loading and unloading
- height-adjustable towbar
- suitable for towing up to 100 km/h

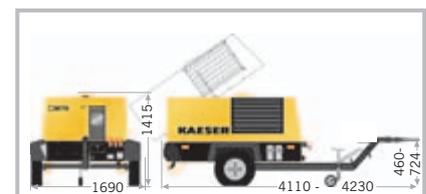
Operating conditions

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

Options

- built in hose reel and 20 m hose
- tool lubricator
- various treatment systems
 - single and three-phase power from a 7 or 12 kVA synchronous generator
 - simultaneous take-off of air of different quality

Technical specification



FAD	m ³ /min	7.1
	cfm	251
Working pressure	bar g	7
	psi g	101.5
4-cylinder diesel engine:		
Make		Deutz
Model		BF4L1011F
Rated power	kW	54
Full load speed	rpm	2700
Off load speed	rpm	1800
Fuel tank capacity	l	70
Weight, without fuel	kg	1100
Weight, operational	kg	1180
Sound power level *	dB(A)	≤ 100
Sound pressure level **	dB(A)	71
Air outlet		2 x G 3/4, 1 x G 1 1/2

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