

MOBILAIR M 38

Free air delivery
3.75 m³/min, 132 cfm



MOBILAIR 38

Portable screw compressor with the SIGMA PROFILE

A compact, fully automatic, single-stage, screw compressor featuring a SIGMA PROFILE airend, cooled by fluid injection and driven directly through a coupling from an oil-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
- airend flanged directly to the engine and driven via a coupling

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 cartridge achieving a remaining oil content of no more than 2-4 mg per 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 of the package after engine shutdown

Instrument panel

- starter switch protected from moisture within



the canopy but accessible from outside

- battery switch within the canopy
- operating hours indicator
- outlet pressure gauge
- temperature gauge switch for airend discharge temperature
- group alarm lamp

Safety system

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

Fuel supply

- a 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

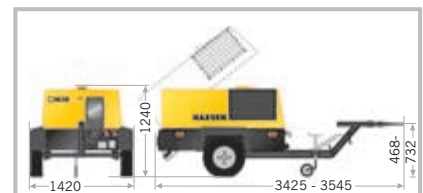
Operating conditions

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

Options

- built in hose reel incl. 20 m hose
 - air tool lubricator
 - various compressed air treatments
- single and three-phase power from a 8.5 kVA synchronous generator

Technical specification



FAD	m ³ /min	3.75
	cfm	132
Working pressure	bar g	7
	psi g	101.5
3-cylinder diesel engine:		
Make		Deutz
Model		F3M 1011F
Rated power	kW	32.4
Full load speed	rpm	2600
Idle speed	rpm	1700
Fuel tank capacity	l	40
Weight, without fuel	kg	780
Weight, operational	kg	825
Sound power level*	dB 1pW	≤ 100
Sound pressure level**	dB	71
Air outlet connector		2 x G 3/4

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