Portable compressor XRVS466 Md
AML: Preliminary data

Reference conditions

1. Absolute inlet pressure	bar	1
2. Relative air humidity	%	0
3. Air inlet temperature	°C	20
4. Normal effective working pressure	bar	25

The inlet conditions are specified at the air inlet grating outside the canopy

Limitations

1. Minimum effective receiver pressure	bar	13.1
2. Maximum effective receiver pressure, compressor unloaded	bar	27
3. Maximum ambient temperature at sea level [5]	°C	45
4. Minimum starting temperature	°C	-10
5. Minimum starting temperature, with coldstart equipment	°C	-25
6. Altitude capability	m	-

Performance data [1]

1. Engine shaft speed, normal and maximum	r/min	1800
2. Engine shaft speed, compressor unloaded	r/min	1300
3. Free air delivery [2]	l/s	455
4. Fuel consumption:		
- at full load	kg/h	55
- at unload	kg/h	31
5. Specific fuel consumption	g/m³	33.65
6. Typical oil content of compressed air	mg/m³ free air	< 3
7. Engine oil consumption (maximum)	g/h	173
8. Compressed air temperature at outlet valves	°C	97
9. Noise level		
- Sound pressure level (LP), measured according to EPA under free field conditions at 7 m distance	dB(A)	74
- Sound power level (LW) complies with 2000/14/EC	dB(A)	102

Design data

Compressor

1. Number of compression stages		2

Engine

1. Make		Mercedes
2. Type		OM501LA-6V
3. Coolant		Liquid
4. Number of cylinders		6
5. Bore	mm	130
6. Stroke	mm	150
7. Swept volume	l	11.95

8. Output according to 80/1269/EEC at normal shaft speed	kW	317
- Load factor	%	90
9. Capacity of oil sump :		
- Initial fill	l	32
- Refill (max.) [4]	l	32
10. Capacity of cooling system	l	73

Unit

1. Capacity of compressor oil system	l	75
2. Net capacity of air receiver	l	143
3. Capacity of fuel tanks	l	850
4. Air volume at inlet grating (approx.) [3]	m³/s	12

1) At reference conditions, if applicable, and at normal shaft speed unless otherwise stated

2) Data	Measured according	Tolerance
Free air delivery	ISO 1217 ed. 3 1996 annex D	+/- 5 % 25 l/s < FAD < 250 l/s +/- 4 % 250 l/s < FAD

The international standard ISO 1217 corresponds to following national standards:
- British BSI 1571 part 1
- German DIN 1945 Part 1
- Swedish SS-ISO 1217
- American ANSI PTC9

3) Air required for engine and compressor cooling, combustion and for compression
4) with filter change