

Atlas Copco Portable Air compressors



XA(T,H,V)S 146-186

XA(S)146 to –186 have been specially designed for heavy duty working environments such as the renovation industry (sandblasting) and quarries. They can assist in installing fibre optic cables, or be combined with combinations of pneumatic tools such as rock drills, hammers, to name a few. High altitudes and extremely high and low ambient temperatures are not a problem. Four pressure variants make these units fit for almost any application.



Atlas Copco

Heavy duty performer.

The XA(T,H,V)S 146-186 range has been specifically designed to perform in the harshest of work environments, and has the reputation for reliability and efficiency. Whether working on renovation projects such as sandblasting, or powering hand held rockdrills in a quarry, the robust construction of these units can withstand rough treatment and ensure long lifetime and high reliability. The highly efficient screw element is paired with either a COM 2 (C2) or the latest COM 3 (C3) compliant diesel engine ensuring low operating costs and high resale value.

Because compressed air is used in such broad range of applications, a wide choice of options is available to satisfy almost any requirement. Atlas Copco's fully implemented Quality Management and Environmental Management systems in the design and manufacturing of these units fulfill the requirements of ISO 9001 and ISO 14001.

Products and services committed to your superior productivity through interaction and innovation.



Technical data

Compressor

| Type | | XAS | | XATS | | XAHS | | XAVS |
|-----------------------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| | | 186 C2 | 186 C3 | 156 C2 | 156 C3 | 146 C3 | 186 C3 | 166 C3 |
| Normal effective working pressure | bar(e) | 7 | 7 | 10.3 | 10.3 | 12 | 12 | 14 |
| | psig | 102 | 102 | 150 | 150 | 175 | 175 | 204 |
| Actual free air delivery | l/s | 185 | 185 | 166 | 166 | 151 | 175 | 158 |
| guaranteed according | m ³ /min | 11.1 | 11.1 | 10.0 | 10.0 | 9.1 | 10.5 | 9.5 |
| to ISO1217 ed. 3 1996 annex D | cu.ft/min | 392 | 392 | 352 | 352 | 320 | 371 | 335 |
| Max. Sound power level* | dB(A) | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| Max. Sound pressure level at 7m | dB(A) | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| Oil capacity | l | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Max. ambient temperature | °C | 50 | 50 | 50 | 50 | 50 | 45 | 45 |

Engine

| Deutz | BF4M | | TCD | | TCD | | TCD | |
|-------------------------|-------|------|-------|------|------|------|------|------|
| | 2012C | 2012 | 2012C | 2012 | 2012 | 2013 | 2013 | 2013 |
| Number of cylinders | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Output at rated speed | 88 | 82 | 88 | 82 | 82 | 104 | 104 | 104 |
| Engine speed (nominal) | 2300 | 2300 | 2300 | 2300 | 2300 | 2100 | 2100 | 2100 |
| Engine speed (unloaded) | 1700 | 1700 | 1700 | 1700 | 1700 | 1700 | 1700 | 1700 |
| Capacity oil system | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 10.5 | 10.5 | 10.5 |
| Capacity cooling system | 14 | 14 | 14 | 14 | 14 | 19 | 19 | 19 |
| Capacity of fuel tank | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |

Unit dimensions

| | | |
|--|----|-----------|
| Overall length adjustable/fixed towbar | mm | 4356/3941 |
| Overall width | mm | 1701 |
| Overall height | mm | 1611 |

*complies with 2000/14/EC, 84/533/ECC AND 85/406/EEC limits

Weight

| (ready to operate/full fuel tank) | | Without brakes | | With brakes | |
|-----------------------------------|-----|----------------|--------------|-------------------|-------------------|
| | | Fixed towbar | Fixed towbar | Adjustable towbar | Adjustable towbar |
| XA(S) 186, XATS 156, | kg | 1705 | 1800 | 1825 | 1825 |
| XAHS 146 | lbs | 3759 | 3969 | 4024 | 4024 |
| XAHS 186, XAVS 166 | kg | N.A. | N.A. | 1883 | 1883 |
| | lbs | N.A. | N.A. | 4152 | 4152 |

Outlets: 1 x 1½" and 3 x ¾"

Features

- Ready to operate with a full range of options
- Use in all weather conditions (-25°C to +50°C)
- Small overall dimensions & light weight
- Extended service and maintenance intervals
- COM 2 or COM 3 compliant engines available
- Cosmos™

Advantages

- Easily transported or moved on site
- Easy to operate
- Lowest total cost of ownership
- Rugged construction built to last

Atlas Copco

Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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