

## Technical Datasheet - XAS 375 Dd6 / XAS 186 Dd

| Reference Conditions              |        |    |
|-----------------------------------|--------|----|
| Absolute inlet pressure           | Bar(g) | 1  |
| Relative air humidity             | %      | 0  |
| Air inlet temperature             | °C/    | 20 |
| Normal effective working pressure | bar(g  | 7  |

| Limitations  |        |  |
|--|--------|--|
| Minimum effective receiver pressure                      | bar(g) | 4  |
| Maximum effective receiver pressure, compressor unloaded | bar(g) | 8.5  |
| Maximum ambient temperature at sea level                 | °C     | 50<br>(without aftercooler)<br>45<br>( with Aftercooler) |
| Minimum Starting Temperature                             | °C     | -10  |

| Performance Data (1)                                    |       |   |
|---|-------|---|
| Engine shaft speed, maximum at nominal working pressure | rpm   | 2300  |
| Engine shaft speed, compressor unloaded                 | rpm   | 1700  |
| Free Air Delivery (2)                                   | 1/s   | 185   |
| Fuel Consumption: at full load                          | kg/h  | 17.4 @ 100%   |
| Fuel Consumption: at no load                            | kg/h  | 8.5   |
| Typical oil content of compressed air                   | mg/m³ | <5  |
| Engine oil consumption                                  | g/h   | 14  |
| Compressed air temperature at outlet valves             | °C    | 90<br>(without aftercooler)<br>Ambient + 15<br>(with aftercooler) |
| Noise level: Sound pressure level (LP) (4)              | dB(A) | 71  |
| Noise level: Sound power level (LW) (5)                 | dB(A) | 99  |

| Design Data Engine   |    |                    |
|--|----|--------------------|
| Number of Compression Stages                                 |    | 1                  |
| Engine Make / Model  |    | DEUTZ<br>BF4M2012C |
| Engine Rated output / standard                               | kW | 88                 |
| Engine Rated output - load factor                            | %  | 70                 |
| Engine Capacity of oil sump: Initial fill / Refill (max) (6) | L  | 8.5/8.0            |
| Engine Coolant / Coolant capacity                            | L  | 14                 |

| Design Data Unit                          |      |     |
|---|------|-----|
| Capacity of compressor oil system         | L    | 24  |
| Air volume at inlet grating (approx.) (3) | m³/s | 3.9 |

| Manufacturer |             |
|--------------|-------------|
| Manufacturer | Atlas Copco |

## Notes:

- 1) At reference conditions, if applicable, and at normal shaft speed unless otherwise stated.
- 2) Measured according to ISO 1217 ed.3 1996 annex D  $\pm 5\%$ .
- 3) Air required for engine and compressor cooling, combustion and for compression.
- 4) Measured according to ISO 2151 with a tolerance of  $\pm 3 \text{ dB}(A)$  under free field conditions at 7m distance.
- 5) Complies with 84/533/EEC and with 85/406/EEC limits.
- 6) With filter change.