

Compressor

MacGregor Air-cooled piston compressor VA60, VA75, VA100

Structural features VA60, VA75

- Two staged, three cylinders in 60° W-arrangement, with one-throw crankshaft, single acting trunk pistons
 - 1st stage: 2 cylinders
 - 2nd stage: 1 cylinder

VA100

- Two staged, three cylinders in 90° W-arrangement, with one-throw crankshaft, single acting trunk pistons 1st stage: 2 cylinders 2nd stage: 1 cylinder

Valves

- Combined suction and pressure valves for both stages

Air cooling

- By axial fan directly driven by the crankshaft

Intercooler and aftercooler

- Finned pipes

Force feed lubrication

- Gear pump directly driven by the crankshaft
- Oil pressure control by means of pressure gauge and pressure switch
- Oil level inspection glass
- Crankcase venting from oil filler to air suction filter

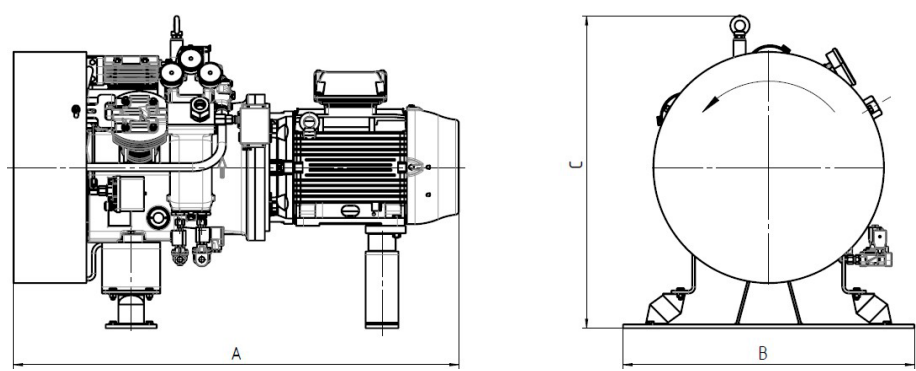
Bearings VA60, VA75

- Crankshaft: slide bearings
- Connecting rod: slide bearings
- Wrist pin: 1st stage plain bearing bush 2nd stage needle bearings

Bearings VA60, VA75

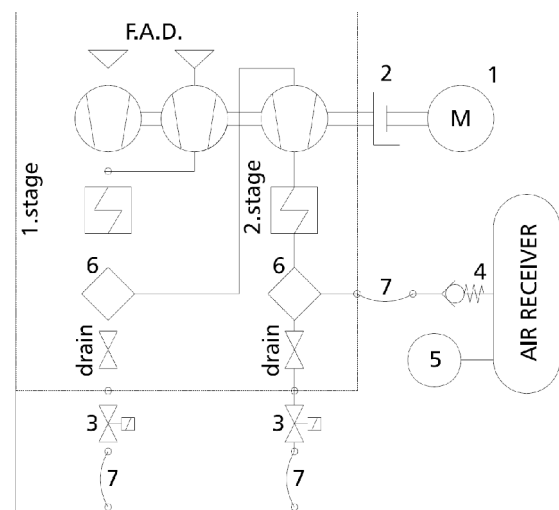
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Technical data

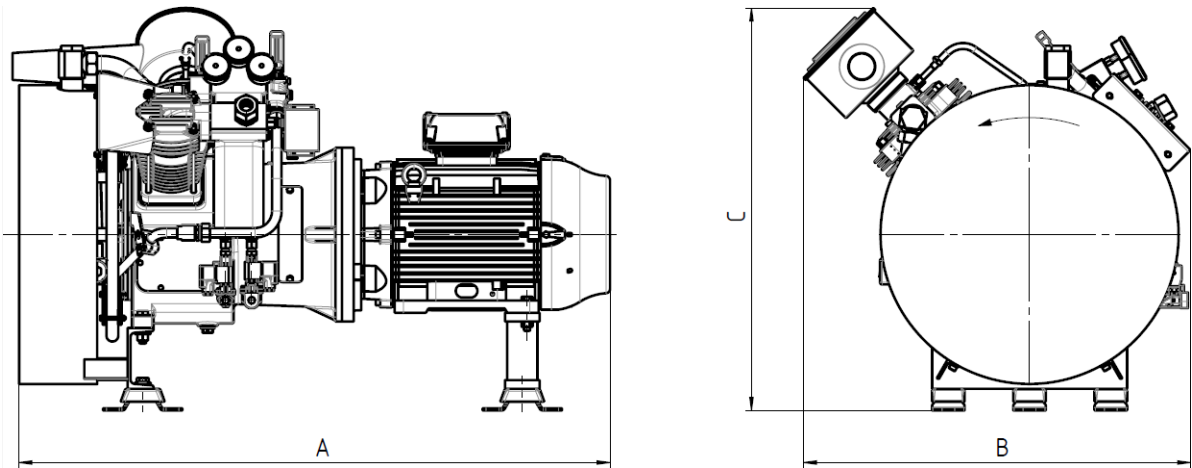


| Type | Cylinders | Stage | Speed r.p.m. | FAD (m³/h) | Power (kW) | Weight incl. e-motor approx. kg | Dimensions | | |
|------|-----------|-------|-----------------|---------------|---------------|------------------------------------|------------|-----|-----|
| | | | | | | | A | B | C |
| VA60 | 3 | 2 | 1150 | 39.5 | 8.1 | 400 | 1125 | 800 | 855 |
| | | | 1450 | 50 | 10.8 | 400 | 1125 | 800 | 855 |
| | | | 1750 | 60 | 13.7 | 400 | 1125 | 800 | 855 |
| VA75 | 3 | 2 | 1150 | 48 | 9.5 | 400 | 1275 | 800 | 930 |
| | | | 1450 | 62.5 | 12.7 | 400 | 1275 | 800 | 930 |
| | | | 1750 | 75.5 | 15.7 | 400 | 1275 | 800 | 930 |

All data apply to a final pressure of 30 bar. The right for alteration of specification and data to incorporate improvements in design is reserved.

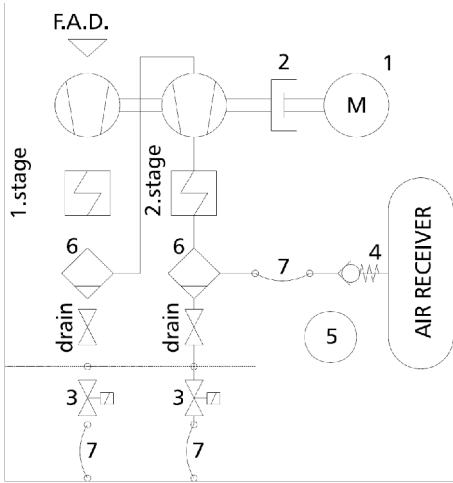


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|-------|-----------|-------|-----------------|---------------|---------------|------------------------------------|------------|-----|-----|
| | | | | | | | A | B | C |
| VA100 | 2 | 2 | 1150 | 66 | 13.7 | 500 | 1365 | 895 | 930 |
| | | | 1450 | 85 | 17.9 | 500 | 1365 | 895 | 930 |
| | | | 1750 | 103 | 22.6 | 500 | 1365 | 895 | 930 |

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MACGREGOR