

# DuoVane 135/300

Two-stage oil-lubricated rotary vane vacuum pumps



## User-friendly

Easy installation

## Reliable

Integrated gas-ballast valve and vacuum safety valve, perfectly suited for industrial applications

## Flexible

Compact design, wide range of accessories

### Accessories

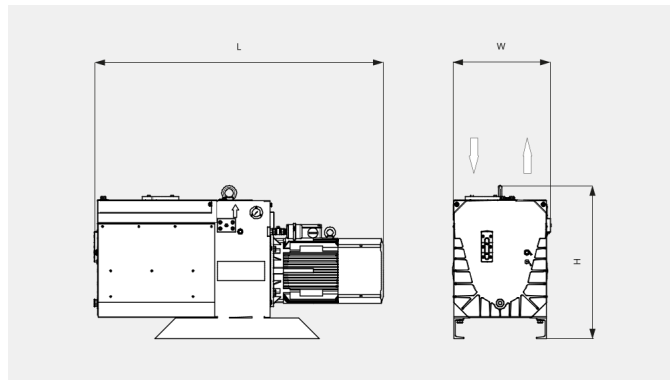
- Seal kit
- Service kit
- Overhaul kit
- Spare pumping system
- Forevacuum safety valve kit
- Exhaust valve kit
- Coupling kit
- Vane kit
- Filter insert for gas-ballast valve
- Oil mist separator
- Dust separator
- Temperature sensor
- Operations monitoring unit
- Mechanical oil filter
- M-version - magnetic coupling version
- Vacuum pump oil

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Dimensional drawing



Pumping speed

The following technical values refer to ISO 50 Hz

|                                              | DuoVane 135                    | DuoVane 300                    |
|----------------------------------------------|--------------------------------|--------------------------------|
| Nominal pumping speed                        | 115 m <sup>3</sup> /h          | 250 m <sup>3</sup> /h          |
| Ultimate pressure (gas-ballast valve closed) | 2 · 10 <sup>-3</sup> hPa(mbar) | 3 · 10 <sup>-3</sup> hPa(mbar) |
| Ultimate pressure (gas-ballast valve open)   | 4 · 10 <sup>-3</sup> hPa(mbar) | 4 · 10 <sup>-3</sup> hPa(mbar) |
| Motor phase                                  | Three-phase                    | Three-phase                    |
| Nominal motor rating                         | 4 kW                           | 7.5 kW                         |
| Nominal motor speed                          | 1000 min <sup>-1</sup>         | 1000 min <sup>-1</sup>         |
| Sound pressure level (50 Hz)                 | 75 dB(A)                       | 75 dB(A)                       |
| Oil capacity                                 | 14 l                           | 25 l                           |
| Weight approx.                               | 225 kg                         | 360 kg                         |
| Dimensions (L x W x H)                       | 1166 x 396 x 526 mm            | 1407 x 460 x 670 mm            |
| Gas inlet                                    | DN 63 ISO-F                    | DN 100 ISO-F                   |
| Gas outlet                                   | DN 63 ISO-F                    | DN 100 ISO-F                   |

The following technical values refer to ISO 60 Hz

|                                              | DuoVane 135                    | DuoVane 300                    |
|----------------------------------------------|--------------------------------|--------------------------------|
| Nominal pumping speed                        | 135 m <sup>3</sup> /h          | 300 m <sup>3</sup> /h          |
| Ultimate pressure (gas-ballast valve closed) | 2 · 10 <sup>-3</sup> hPa(mbar) | 3 · 10 <sup>-3</sup> hPa(mbar) |

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|                                            | DuoVane 135                 | DuoVane 300                 |
|--------------------------------------------|-----------------------------|-----------------------------|
| Ultimate pressure (gas-ballast valve open) | $4 \cdot 10^{-3}$ hPa(mbar) | $4 \cdot 10^{-3}$ hPa(mbar) |
| Motor phase                                | Three-phase                 | Three-phase                 |
| Nominal motor rating                       | 4.5 kW                      | 9 kW                        |
| Nominal motor speed                        | 1200 min <sup>-1</sup>      | 1200 min <sup>-1</sup>      |
| Sound pressure level (50 Hz)               | 75 dB(A)                    | 75 dB(A)                    |
| Oil capacity                               | 14 l                        | 25 l                        |
| Weight approx.                             | 225 kg                      | 360 kg                      |
| Dimensions (L x W x H)                     | 1166 x 396 x 526 mm         | 1407 x 460 x 670 mm         |
| Gas inlet                                  | DN 63 ISO-F                 | DN 100 ISO-F                |
| Gas outlet                                 | DN 63 ISO-F                 | DN 100 ISO-F                |