

## Technical Data

Product: RUVAC WS 1001 - PFPE  
Part No.: 11747

|                                           |                                   |                               |
|-------------------------------------------|-----------------------------------|-------------------------------|
| Inlet connection:                         | DN 100 ISO-K                      |                               |
| Outlet connection:                        | DN 100 ISO-K                      |                               |
| Nominal pumping speed at 50 Hz:           | 1.000 m <sup>3</sup> /h           | 589 cfm                       |
| Nominal pumping speed at 60 Hz:           | 1.200 m <sup>3</sup> /h           | 707 cfm                       |
| Pumping speed at 50 Hz                    |                                   |                               |
| with backing pump SOGEVAC SV 300 B:       | 800 m <sup>3</sup> /h             | 470 cfm                       |
| Pumping speed at 60 Hz                    |                                   |                               |
| with backing pump SOGEVAC SV 300 B:       | 1.000 m <sup>3</sup> /h           | 588 cfm                       |
| Ultimate partial pressure                 |                                   |                               |
| with backing pump SOGEVAC SV 300 B:       | < 8.0 x 10 <sup>-3</sup> mbar     | < 6.0 x 10 <sup>-3</sup> Torr |
| Ultimate total pressure                   |                                   |                               |
| with backing pump SOGEVAC SV 300 B:       | < 4.0 x 10 <sup>-2</sup> mbar     | < 3.0 x 10 <sup>-2</sup> Torr |
| Cut-in pressure at 50 Hz:                 | 60.0 mbar                         | 45.0 Torr                     |
| Cut-in pressure at 60 Hz:                 | 45.0 mbar                         | 33.5 Torr                     |
| Max. permissible pressure difference:     | 80.0 mbar                         | 60.0 Torr                     |
| Leak rate:                                | ≤ 1.0 x 10 <sup>-4</sup> mbar l/s |                               |
| Operating fluid:                          | LEYBONOL LVO 400                  |                               |
| Operating fluid capacity bearing chamber  |                                   |                               |
| at vertical direction of flow, approx.:   | 1.65 l                            | 1.74 qt                       |
| at horizontal direction of flow, approx.: | 1.00 l                            | 1.06 qt                       |
| Noise level to DIN 45 635:                | < 68 dB(A)                        |                               |
| Mains connection motor fan:               | 1-ph, 230/265 V, 50/60 Hz         |                               |
| Mains connection:                         | 3-ph, 220-230/400 V, 50 Hz        |                               |
|                                           | 3-ph, 200-265/460 V, 60 Hz        |                               |
| Motor rating:                             | 4.0 kW                            | 5.4 HP                        |
| Nominal rotation speed at 50 Hz:          | 3.000 min <sup>-1</sup>           | 3.000 rpm                     |
| Nominal rotation speed at 60 Hz:          | 3.600 min <sup>-1</sup>           | 3.600 rpm                     |
| Max. permissible rotation speed:          | 6.000 min <sup>-1</sup>           | 6.000 rpm                     |
| Motor protection rating:                  | IP 20                             |                               |
| Admissible ambient temperature:           | +12 to +40°C                      | +54 to +104°F                 |
| Dimensions:                               | see dimension sheet               |                               |
| Weight:                                   | ≈ 228 kg                          | ≈ 503 lbs                     |

Technical data are subject to change