

## Technical Data

Product: TURBOVAC SL 80 H  
Part No.: 800002V3006

|   |  |                                |
|---|--|--------------------------------|
| Inlet connection:                           | DN 63 CF                                 |                                |
| Outlet connection:                          | DN 16 ISO-KF                             |                                |
| Pumping speed                               |  |                                |
| N <sub>2</sub> - Nitrogen:                  | 65 l/s                                   |                                |
| Ar - Argon:                                 | 60 l/s                                   |                                |
| He - Helium:                                | 55 l/s                                   |                                |
| H <sub>2</sub> - Hydrogen:                  | 49 l/s                                   |                                |
| Gas throughput                              |  |                                |
| N <sub>2</sub> - Nitrogen:                  | 0.9 mbar x l/s                           |                                |
| Ar - Argon:                                 | 0.8 mbar x l/s                           |                                |
| He - Helium:                                | 1.5 mbar x l/s                           |                                |
| H <sub>2</sub> - Hydrogen:                  | 0.6 mbar x l/s                           |                                |
| Compression ratio                           |  |                                |
| N <sub>2</sub> - Nitrogen:                  | > 1.0 x 10 <sup>11</sup>                 |                                |
| Ar - Argon:                                 | > 1.0 x 10 <sup>11</sup>                 |                                |
| He - Helium:                                | 6.0 x 10 <sup>6</sup>                    |                                |
| H <sub>2</sub> - Hydrogen:                  | 8.0 x 10 <sup>4</sup>                    |                                |
| Ultimate pressure:                          | < 2.0 x 10 <sup>-10</sup> mbar           | < 1.5 x 10 <sup>-10</sup> Torr |
| Max. foreline pressure for N <sub>2</sub> : | 16.0 mbar                                | 12.0 Torr                      |
| Nominal rotation speed:                     | 72000 min <sup>-1</sup>                  | 72000 rpm                      |
| Run -up time:                               | ≈ 1.5 min                                |                                |
| Max. power consumption:                     | 120 W                                    |                                |
| Power consumption at ultimate pressure:     | 17 W                                     |                                |
| Protection rating:                          | IP 20                                    |                                |
| Admissible ambient temperature:             | 15 - 45°C                                | 59 - 113°F                     |
| Cooling standard:                           | Convection                               |                                |
| Cooling optional:                           | Air / Water                              |                                |
| Cooling water connection:                   | G 1/8", Inside thread / 8 mm hose nozzle |                                |
| Cooling water consumption:                  | 15 - 60 l/h                              |                                |
| Permissible cooling water pressure:         | 2 - 7 bar                                |                                |
| Permissible cooling water temperature:      | 10 - 40°C                                | 50 - 104°F                     |
| Dimensions:                                 | see dimension sheet                      |                                |
| Weight:                                     | ≈ 1.9 kg                                 | ≈ 4.2 lbs                      |

Technical data are subject to change