

Technical Data

Product: TURBOVAC SL 80 H
Part No.: 800002V3005

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|---|--|--------------------------------|
| Inlet connection: | DN 63 ISO-K | |
| Outlet connection: | DN 16 ISO-KF | |
| Pumping speed | | |
| N ₂ - Nitrogen: | 65 l/s | |
| Ar - Argon: | 60 l/s | |
| He - Helium: | 55 l/s | |
| H ₂ - Hydrogen: | 49 l/s | |
| Gas throughput | | |
| N ₂ - Nitrogen: | 0.9 mbar x l/s | |
| Ar - Argon: | 0.8 mbar x l/s | |
| He - Helium: | 1.5 mbar x l/s | |
| H ₂ - Hydrogen: | 0.6 mbar x l/s | |
| Compression ratio | | |
| N ₂ - Nitrogen: | > 1.0 x 10 ¹¹ | |
| Ar - Argon: | > 1.0 x 10 ¹¹ | |
| He - Helium: | 6.0 x 10 ⁶ | |
| H ₂ - Hydrogen: | 8.0 x 10 ⁴ | |
| Ultimate pressure: | < 2.0 x 10 ⁻¹⁰ mbar | < 1.5 x 10 ⁻¹⁰ Torr |
| Max. foreline pressure for N ₂ : | 16.0 mbar | 12.0 Torr |
| Nominal rotation speed: | 72000 min ⁻¹ | 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