

Technical Data

Product: TURBOVAC 600 C
Part No.: 800150V0017

Inlet connection:	DN 160 ISO-K	
Outlet connection:	DN 40 ISO-KF	
Pumping speed		
N ₂ - Nitrogen:	560 l/s	
Ar - Argon:	550 l/s	
He - Helium:	600 l/s	
H ₂ - Hydrogen:	570 l/s	
Gas throughput		
N ₂ - Nitrogen:	4.0 mbar x l/s	
Ar - Argon:	4.0 mbar x l/s	
He - Helium:	5.5 mbar x l/s	
H ₂ - Hydrogen:	4.0 mbar x l/s	
Compression ratio		
N ₂ - Nitrogen:	> 1.0 x 10 ⁹	
Ar - Argon:	> 1.0 x 10 ⁹	
He - Helium:	2.0 x 10 ⁴	
H ₂ - Hydrogen:	1.1 x 10 ³	
Ultimate pressure:	< 1.0 x 10 ⁻¹⁰ mbar	< 7.5 x 10 ⁻¹¹ Torr
Max. foreline pressure for N ₂ :	1.0 x 10 ⁻¹ mbar	7.5 x 10 ⁻¹ Torr
Nominal rotation speed:	36000 min ⁻¹	36000 rpm
Run -up time:	≈ 3 min	
Max. power consumption:	400 W	
Power consumption at ultimate pressure:	90 W	
Protection rating:	IP 20	
Admissible ambient temperature:	10 - 55°C	54 - 131°F
Cooling standard:	Water	
Cooling optional:	Air	
Cooling water connection:	10 mm hose nozzle	
Cooling water consumption:	20 - 80 l/h	
Permissible cooling water pressure:	3 - 7 bar	
Permissible cooling water temperature:	10 - 30°C	50 - 86°F
Dimensions:	see dimension sheet	
Weight:	≈ 17.0 kg	≈ 37.5 lbs

Technical data are subject to change