

Technical Data

Product: TURBOVAC MAG W 300 P

Part No.: 410300V0005

Inlet connection:	DN 100 ISO-K	
Outlet connection:	DN 16 ISO-KF - clamped	
Pumping speed		
N ₂ - Nitrogen:	300 l/s	
Ar - Argon:	260 l/s	
He - Helium:	260 l/s	
H ₂ - Hydrogen:	190 l/s	
Gas throughput		
N ₂ - Nitrogen:	7.0 mbar x l/s	
Ar - Argon:	- - -	
He - Helium:	- - -	
H ₂ - Hydrogen:	- - -	
Compression ratio		
N ₂ - Nitrogen:	1.0 x 10 ¹⁰	
Ar - Argon:	- - -	
He - Helium:	9.2 x 10 ⁴	
H ₂ - Hydrogen:	3.2 x 10 ³	
Ultimate pressure:	< 1.0 x 10 ⁻⁸ mbar	< 7.5 x 10 ⁻⁹ Torr
Max. foreline pressure for N ₂ :	8.0 mbar	6.0 Torr
Nominal rotation speed:	58800 min ⁻¹	58800 rpm
Run -up time:	≈ 5 min	
Max. power consumption:	400 W	
Power consumption at ultimate pressure:	120 W	
Protection rating:	IP 30	
Admissible ambient temperature:	+10 to +40°C	+50 to +104°F
Cooling standard:	Convection	
Cooling optional:	Air / Water	
Cooling water connection:	G 1/8", Inside thread	
Max. cooling water consumption:	60 l/h	
Max. Permissible cooling water pressure:	6 bar	
Permissible cooling water temperature:	+15 to to +25°C	+59 to +77°F
Dimensions:	see dimension sheet	
Weight:	≈ 12.0 kg	≈ 26.5 lbs

Technical data are subject to change