

Technical Data

Product: TURBOVAC MAG W 700 P
 Part No.: 410700V0006

Inlet connection:	DN 200 CF	
Outlet connection:	DN 25 ISO-KF - clamped	
Pumping speed		
N ₂ - Nitrogen:	590 l/s	
Ar - Argon:	540 l/s	
He - Helium:	600 l/s	
H ₂ - Hydrogen:	430 l/s	
Gas throughput		
N ₂ - Nitrogen:	9.0 mbar x l/s	
Ar - Argon:	- - -	
He - Helium:	- - -	
H ₂ - Hydrogen:	- - -	
Compression ratio		
N ₂ - Nitrogen:	1.6 x 10 ¹⁰	
Ar - Argon:	- - -	
He - Helium:	1.7 x 10 ⁶	
H ₂ - Hydrogen:	3.4 x 10 ⁴	
Ultimate pressure:	< 1.0 x 10 ⁻¹⁰ mbar	< 7.5 x 10 ⁻¹¹ Torr
Max. foreline pressure for N ₂ :	6.0 mbar	4.5 Torr
Nominal rotation speed:	48000 min ⁻¹	48000 rpm
Run -up time:	≈ 6 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 +25°C	+59 to +77°F
Dimensions:	see dimension sheet	
Weight:	≈ 17.0 kg	≈ 37.5 lbs

Technical data are subject to change