

Technical Data

Product: TURBOVAC 350 iX
 Part No.: 830051V3300

Inlet connection:	DN 100 ISO-K	
Outlet connection:	DN 25 ISO-KF	
Pumping speed		
N ₂ - Nitrogen:	290 l/s	
Ar - Argon:	260 l/s	
He - Helium:	360 l/s	
H ₂ - Hydrogen:	350 l/s	
Gas throughput		
N ₂ - Nitrogen:	4.5 mbar x l/s	
Ar - Argon:	2.0 mbar x l/s	
He - Helium:	8.0 mbar x l/s	
H ₂ - Hydrogen:	8.0 mbar x l/s	
Compression ratio		
N ₂ - Nitrogen:	1,0 x 10 ¹¹	
Ar - Argon:	1,0 x 10 ¹¹	
He - Helium:	1,0 x 10 ⁸	
H ₂ - Hydrogen:	1,0 x 10 ⁶	
Ultimate pressure:	< 1.0 x 10 ⁻⁸ mbar	< 7.5 x 10 ⁻⁹ Torr
Max. foreline pressure for N ₂ :	10.0 mbar	7.5 Torr
Nominal rotation speed:	60000 min ⁻¹	60000 rpm
Rotational speed adaptation:	50 -100%	
Run -up time:	≈ 5.5 min	
Admissible ambient temperature:	5 - 45°C	41 - 113°F
Standard cooling:	Convection	
Optional cooling	Air / Water	
Cooling water connection:	plug connection for 6x1 hose alternative G 1/8" screw in thread	
Cooling water consumption:	50 - 100 l/h	
Permissible cooling water pressure:	3 - 6 bar	
Permissible cooling water temperature:	15 - 35°C	
Dimensions:	See dimension sheet	
Weight:	≈ 8.0 kg	≈ 17.6 lbs
Noise level:	≤ 44 db(A)	

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Technical data are subject to change

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Technical data for integrated drive electronics

Integrated vacuum system controller:	yes
Mains connection:	24/48 V DC \pm 10%
Max. current consumption:	10 A at 24 V DC
Max. power consumption:	240 W
Power consumption at ultimate pressure:	20 W
Interfaces:	RS 485, USB, 15-Pin digital I/O
Protection class:	IP 40

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