

Product-Information

TURBOVAC 361 (C) ClassicLine

Turbomolecular Pumps with Mechanical Rotor Suspension without Compound Stage
Cat. No.: 85670



Product-Description

Typical Applications

- Leak detectors
- Mass spectrometers
- Data storage
- Optical coating
- R & D, e.g.
 - UHV systems
 - Particle accelerators
 - Load locks and transfer chambers

Technical Features

- Compact design
- Operation in any orientation
- Oil-free pump for generating clean high- and ultrahigh-vacuum conditions

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Advantages to the User

- Space-saving
- Easy to integrate into complex vacuum systems
- Low operating costs
- Highly reliable operation also in processes loaded with particles

Recommended Fore Vacuum Pumps

- TR 25 AC D 16 B, 3-ph, 230/400 V 50/60 Hz, 230/440 V 60 Hz
- TR 25 AC D 25 B, 1-ph, 230 V 50/60 Hz
- TR 25 AC D 25 B, 3-ph, 230/400 V 50/60 Hz, 250/440 V 60 Hz
- TR 25 AC D 25 B, 3-ph, 230/400 V 50/60 Hz, 250/440 V 60 Hz
- SC 302 LVAC SC 302, 1-ph, 230 V AC, 50/60 Hz
- SC 302 LVAC SC 302, 1-ph, 115 V AC, 50/60 Hz
- SC 304 LVAC SC 304, 3-ph, 380/415 V AC, 50/60 Hz, 400/430 V 460 V 60 Hz

DN 100 ISO-K/DN 25 KF, water-cooled, TURBOVAC 361

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Description	Unit	Value
Fore vacuum connection	DN	25 KF
Cooling		Wasserkühlung
Pumping speed N2 according to PNEUROP	l/s	345
Pumping speed Ar according to PNEUROP	l/s	350
Pumping speed He according to PNEUROP	l/s	340
Pumping speed H2 according to PNEUROP	l/s	340
Max. gas throughput N2	mbar x l x s-1	3
Max. gas throughput Ar	mbar x l x s-1	2,5
Compression ratio N2		1E9
Compression ratio He		6E4
Compression ratio H2		3E3
Ultimate pressure	mbar	< 1E-10
Max continuous inlet pressure, water cooled	mbar	5E-2
Max. fore vacuum pressure for N2	mbar	5E-1
Recommended fore vacuum pump		von TRIVAC D 16 B bis TRIVAC D 25 B
Run-up time to 95%	min	2
Purge / Vent port	DN	10 KF
Cooling water connection (hose nozzles)	mm	10
Weight	kg	12
Power consumption at ultimate pressure 50 / 60 Hz	VA	680 / 480

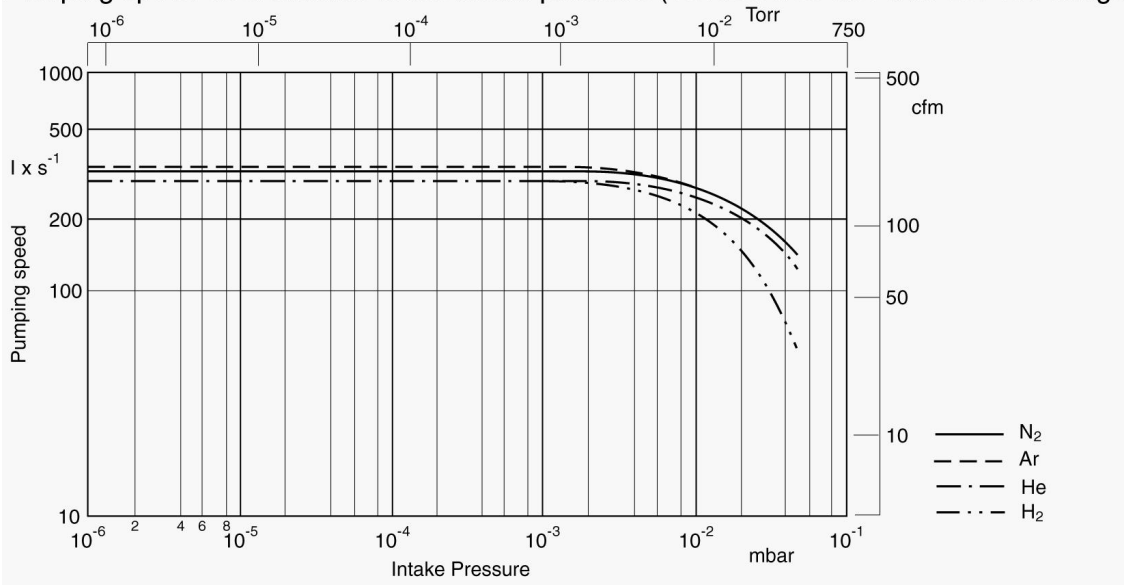
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Pumping Speed

Pumping speed as a function of the intake pressure (TURBOVAC 361 with DN 100 flange)



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Dimensions

				361		361 C					
		DN		h	h	h ₁	h ₂	h ₃	h ₄	a	
		b	d ₁								l
100 ISO-K	mm	254	88	47	135	84	98	94	10	166	
	in.	10	3.46	1.85	5.31	3.31	3.86	3.70	0.39	6.54	
100 CF	mm	268	–	47	135	84	98	94	10	166	
	in.	10.55	–	1.85	5.31	3.31	3.86	3.70	0.39	6.54	
160 ISO-K	mm	227	88	47	135	84	98	94	10	166	
	in.	8.94	3.46	1.85	5.31	3.31	3.86	3.70	0.39	6.54	
160 CF	mm	226	–	47	135	84	98	94	10	166	

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Technical Drawing

