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Leybold TMP-600C

Technical Specifications

		TURBOVAC 600 C
Inlet flange	DN	160 ISO-K • 160 CF
Pumping speed		
N_2	l x s^{-1}	560
He	l x s^{-1}	600
H_2	l x s^{-1}	570
Max. gas throughput		
N_2	mbar x l x s^{-1}	< 4
Ar	mbar x l x s^{-1}	< 4
Compression ratio		
N_2		> 10^9
He		2 x 10^4
H_2		1.1 x 10^3
Ultimate pressure	mbar (Torr)	< 10^{-10} (< 10^{-10})
Speed	min^{-1}	36 000
Run-up time (frequency converter), approx.	min	4
Max. continuous inlet pressure [1] (continuous)	mbar (Torr)	1 x 10^{-2} (0.75 x 10^{-2})
Max. foreline pressure for N_2	mbar (Torr)	1 x 10^{-1} (0.75 x 10^{-1})
Recommended forevacuum pump		
for standard operation		TRIVAC D 25 B / 40 B
for purge gas operation		TRIVAC 40 B
Run-up time to 95% speed	min	3
Purge / vent port	DN	10 KF
Cooling water connection (hose nozzles)	mm (in.)	10 (0.39)
Weight, approx.	kg (lbs)	17 (37.5)
Max. power consumption	VA	680
at ultimate pressure	VA	480

[1] Water-cooled

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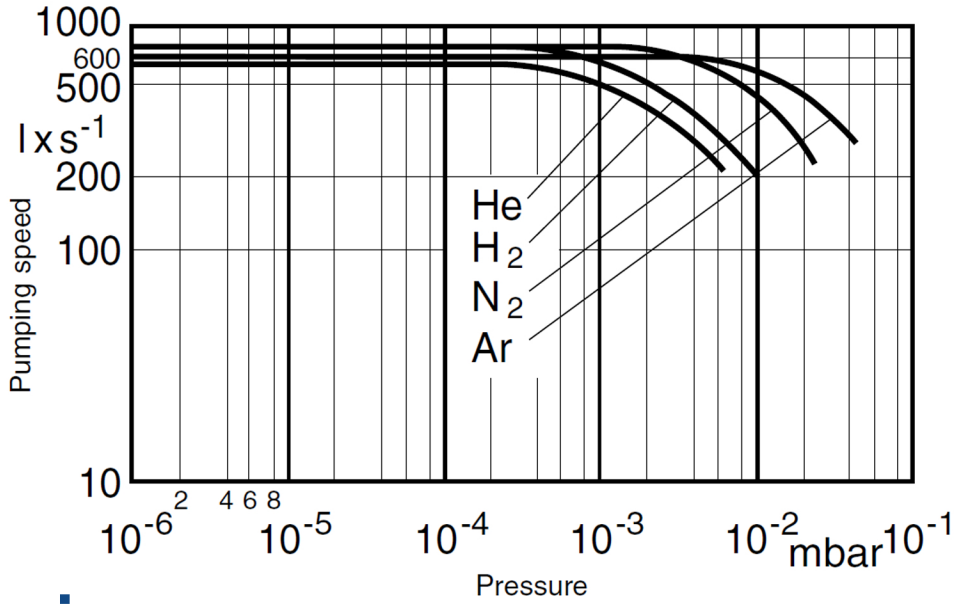
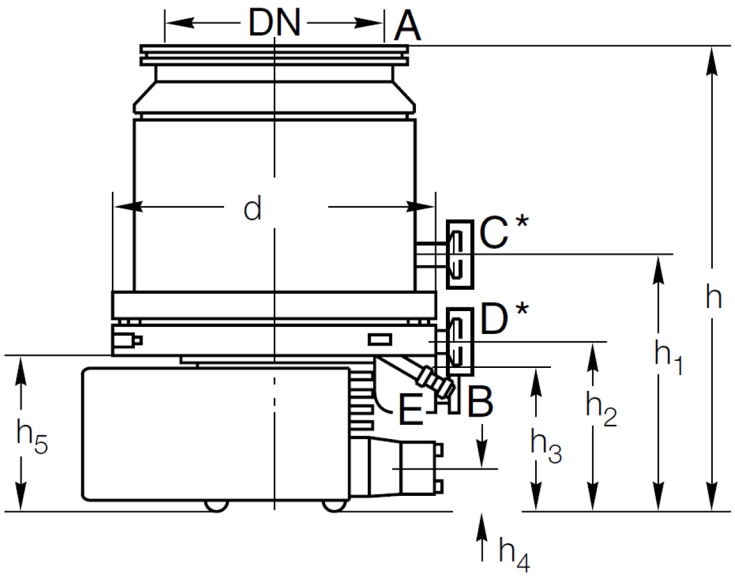
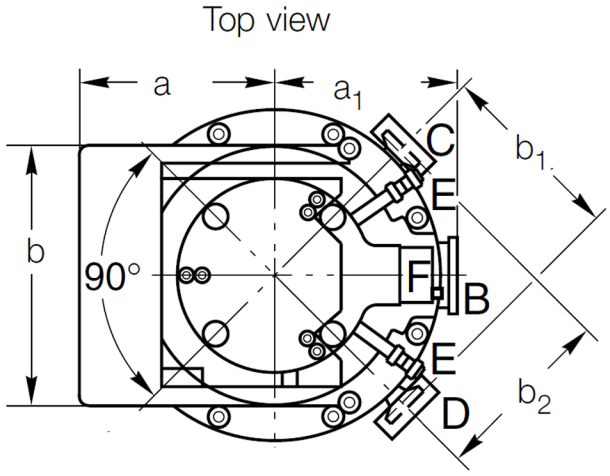
Pumping Curves



Dimensions





* drawn offset by 45°

DN		h	h_1	h_2	h_3	h_4	h_5	a	a_1	b	b_1	b_2	ø d
160 ISO-K	mm	317	175	116	97	28	105	134	124.5	178	124.7	124.5	225
	in.	12.48	6.89	4.57	3.82	1.10	4.13	5.28	4.90	7.01	4.91	4.90	8.86
160 CF	mm	323	175	116	97	28	105	134	124.5	178	124.7	124.5	225
	in.	12.72	6.89	4.57	3.82	1.10	4.13	5.28	4.90	7.01	4.91	4.90	8.86

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Leybold TMP-600C

Features & Benefits

- oil-free for generation of clean high & ultra-high vacuum conditions
- high performance in any orientation
- high degree of operating reliability
- ceramic ball bearings
- easy to operate
- compact design

Applications

- load locks • transfer chamber • optical coating • flat panel displays
- research & development