



# Leybold TMP-1100C

## Technical Specifications

		TURBOVAC 1100 C	
Inlet flange		200 ISO-K	250 ISO-K
<b>Pumping speed</b>			
N <sub>2</sub>	l x s <sup>-1</sup>	830	1050
Ar	l x s <sup>-1</sup>	760	980
He	l x s <sup>-1</sup>	750	850
H <sub>2</sub>	l x s <sup>-1</sup>	600	630
<b>Max. gas throughput</b>			
N <sub>2</sub>	mbar x l x s <sup>-1</sup>	25	25
Ar	mbar x l x s <sup>-1</sup>	15	15
He	mbar x l x s <sup>-1</sup>	25	25
H <sub>2</sub>	mbar x l x s <sup>-1</sup>	30	30
<b>Compression ratio</b>			
N <sub>2</sub>		1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
Ar		1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
H <sub>2</sub>		1 x 10 <sup>4</sup>	1 x 10 <sup>4</sup>
<b>Ultimate pressure</b>	mbar (Torr)	< 3 x 10 <sup>-10</sup> (< 2.2 x 10 <sup>-10</sup> )	
<b>Max. foreline pressure for N<sub>2</sub></b>	mbar (Torr)	0.1 (0.075)	
<b>Recommended forevacuum pump</b>		TRIVAC D 65 B / EcoDry M15/20	TRIVAC D 65 B / EcoDry M15/20
<b>Run-up time to 95% speed</b>	min	9	
<b>Purge / vent port</b>	DN	10 KF	
<b>Cooling water connection (hose nozzles)</b>	mm (in.)	10 (0.39)	
<b>Weight, approx.</b>	kg (lbs)	22 (48)	
<b>Supply voltage</b>	V AC	42	
<b>Max. power consumption</b>	VA	400	



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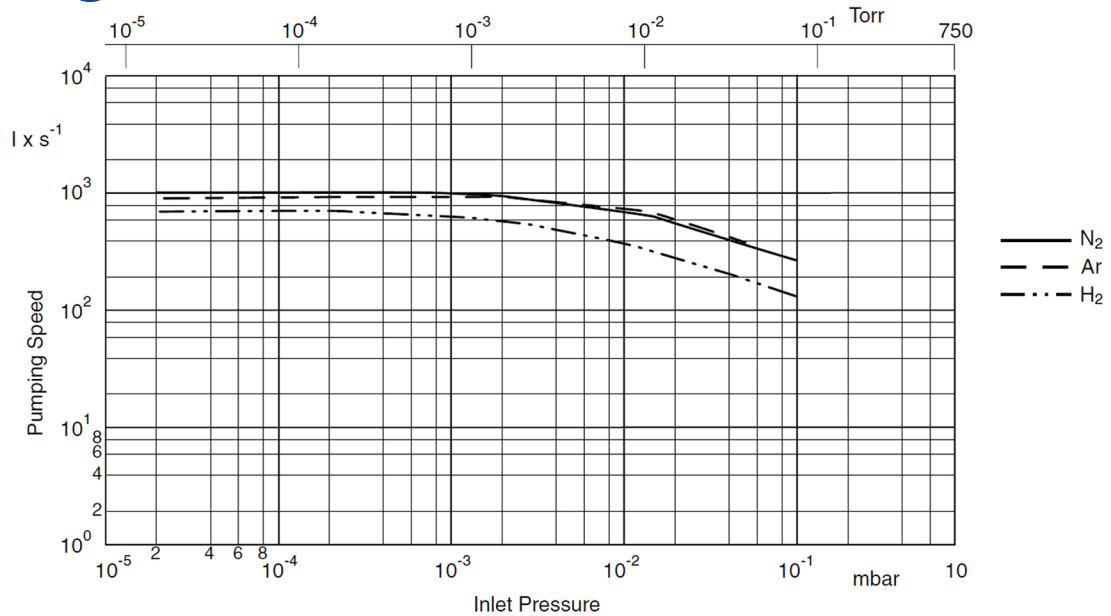
## SALES

PHONE: 831-462-8900

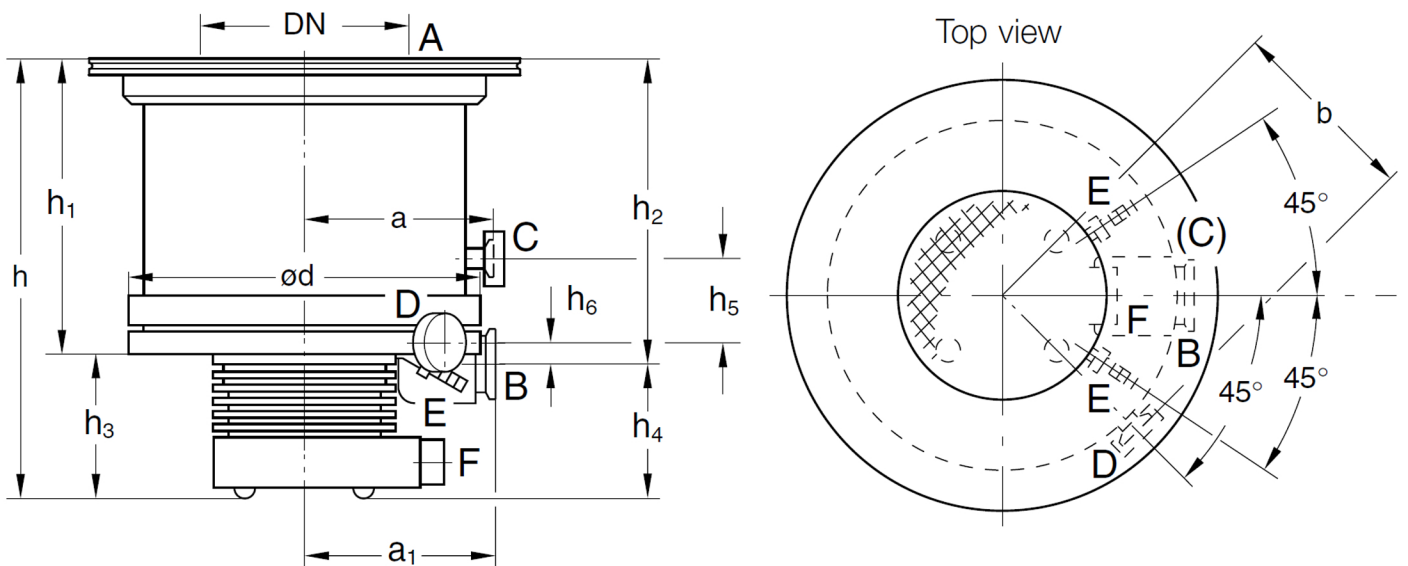
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# Leybold TMP-1100C Pumping Curves



## Dimensions



DN		h	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	h <sub>5</sub>	h <sub>6</sub>	a	a <sub>1</sub>	b	d
200 ISO-K	mm	325	214	231	111	94	63	28.5	133	153	141	258
	in.	12.80	8.43	9.09	4.37	3.70	2.48	1.12	5.24	6.02	5.55	10.16
250 ISO-K	mm	310	200	217	111	94	63	28.5	133	153	141	258
	in.	12.20	7.87	8.54	4.37	3.70	2.48	1.12	5.24	6.02	5.55	10.16



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## Leybold TMP-1100C

### 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
- robust rotor design
- integrated control system for monitoring temperature of bearings
- easy to integrate into complex vacuum systems
- low operating costs

### Applications

- load locks • transfer chamber • optical coating • flat panel displays
- research & development • fusion experiments • space simulation
- large area coating • data storage

