



## Leybold TW 700

### Technical Specifications

High-vacuum connection	DN 160 ISO-K DN 160 CF
Pumping speed* for N <sub>2</sub> /Ar	680 l·s <sup>-1</sup>
Pumping speed* for He	530 l·s <sup>-1</sup>
Pumping speed* for H <sub>2</sub>	300 l·s <sup>-1</sup>
Ultimate pressure*	
with two-stage, oil-sealed rotary vane pump	< 10 <sup>-9</sup> mbar
with diaphragm pump achieving ultimate pressure < 5 mbar	< 10 <sup>-7</sup> mbar
Max. permissible forevacuum pressure (see also Fig. 10)	14 mbar
Operating speed	48,000 r.p.m.
Run-up time, approx.	5 min
Forevacuum connection	DN 25 KF
Purge gas connection	DN 16 KF
Cooling water	
Connection, internal threads	G 1/8"
Temperature	15 - 35 °C

\* as per PNEUROP

#### **Technical data for pump and frequency converter**

Weight of the ISO-K version, approx.	16,5 kg
Noise level	
air cooled	< 47 dB(A)
water cooled	< 44 dB(A)
Ambient temperature	
during operation	10 - 45 °C
at standstill	-15 - + 60 °C
see Fig. 10 for cooling requirements	
Relative air humidity acc. to DIN EN 60721	Class F
Type of protection	IP 20





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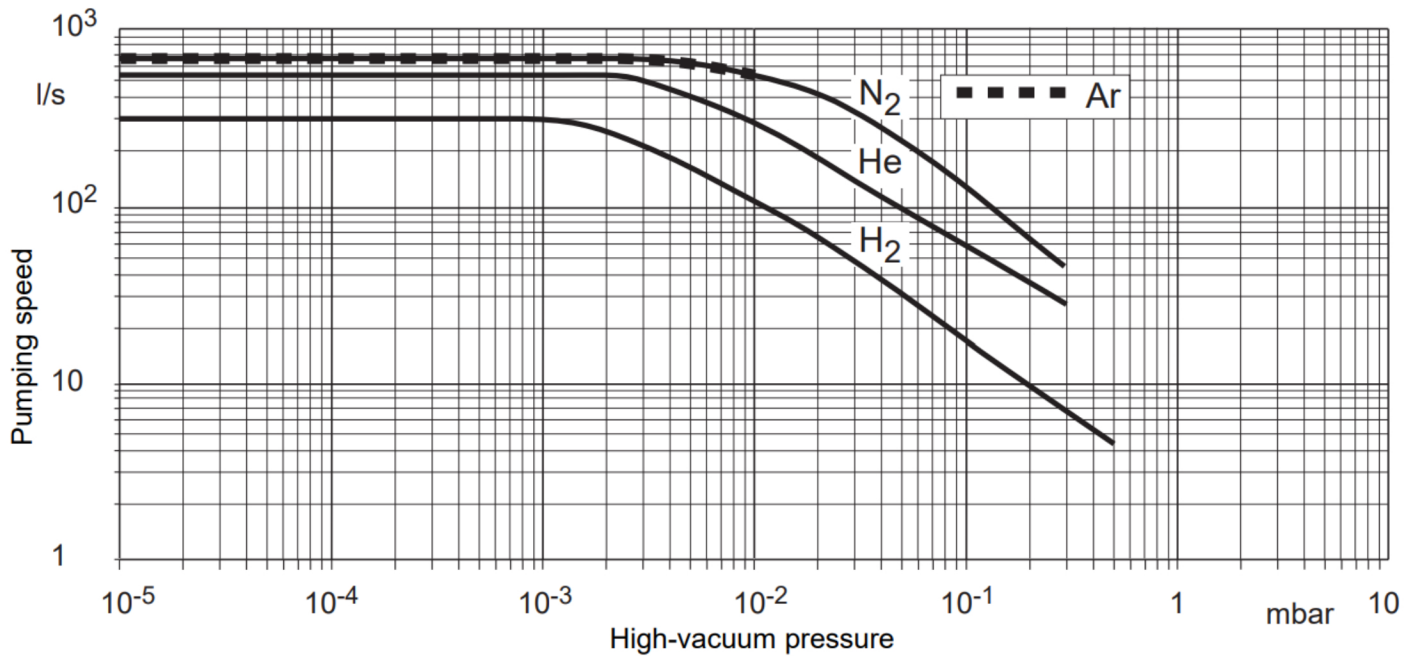
## SALES

PHONE: 831-462-8900

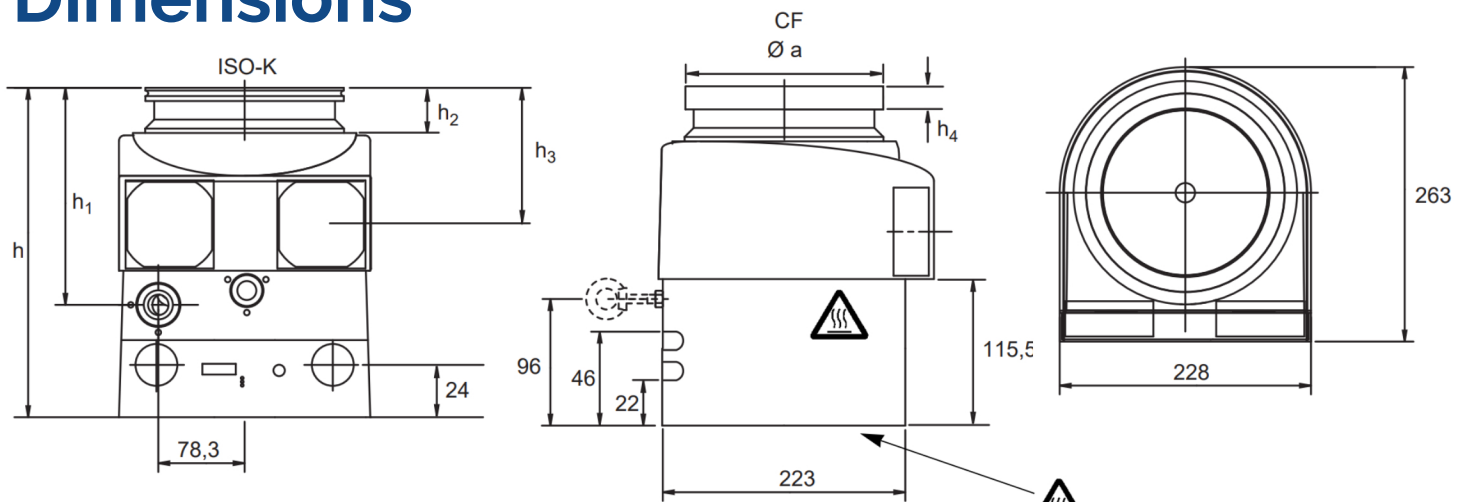
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# Leybold TW 700 Pumping Curves



## Dimensions



	Ø a	h	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>
DN 160 ISO-K	180	280	197	39.5	119	12
DN 200 CF	253	290	207	49.5	129	24.5
DN 160 CF	202.5	289	206	48.5	128	22

  
Warning label  
under the pump;  
means „Warning:  
heat generation“