



Pfeiffer TMH-260, TMH-260P, TMU-260, TMU-260P

Technical Specifications

Feature	Unit	TMH 260 TMH 260 P	TMU 260 TMU 260 P
Connection nominal diameter		DN 100 ISO-K	DN 100 CF-F
Inlet			DN 25 ISO-KF/G 1/4"
Outlet			G 1/8"
Venting connection			
Electronic Drive Unit		TCP 121/ TCP 380	
Nominal rotation speed	1/min	60 000	
Standby rotation speed	1/min	40 000	
Run-up time (up to 90% of the rated rotation speed with TCP 380)	min	1:45	
Noise level	dB (A)	< 50	
Final pressure, backing pump	mbar	< 5	
Max. permissible rotor temperature	°C	90	
Permissible heat radiation power	W	8	
Volume flow rate for:			
Nitrogen N ₂	l/s	210	
Helium He	l/s	220	
Hydrogen H ₂	l/s	180	
Compression ratio for:			
N ₂		> 1 · 10 ⁹	
He		3 · 10 ⁵	
H ₂		1,3 · 10 ⁴	
Max. fore-vacuum pressure			
N ₂	mbar	10	
He	mbar	8	
H ₂	mbar	4	
Max. gas throughput ¹⁾			
N ₂	mbar l/s	3.5	
He	mbar l/s	4.0	
Final pressure ²⁾			
with rotary vane vacuum pump	mbar	1 · 10 ⁻¹⁰	
with diaphragm vacuum pump	mbar	1 · 10 ⁻⁸	
Lubricant		TL 011	
Max. cooling water consumption with water at 15 °C ³⁾	l/h	50	
Cooling water temperature	°C	5 - 25	
Permissible ambient temperature with air cooling	°C	0 - 35	
Heating power consumption	W	60	
Weight	kg	7,5	8
Permissible magnetic field	mT	5.5	





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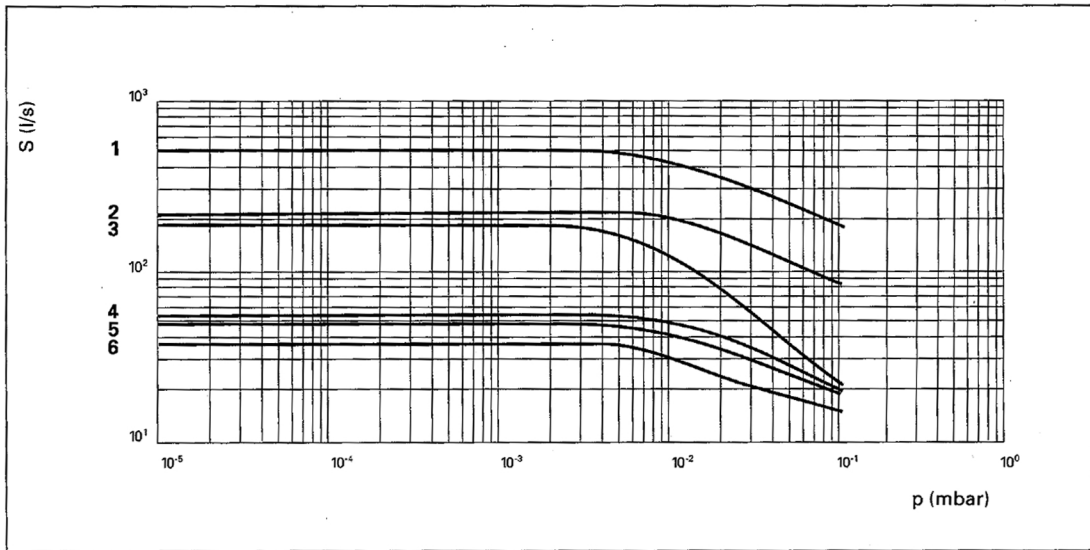
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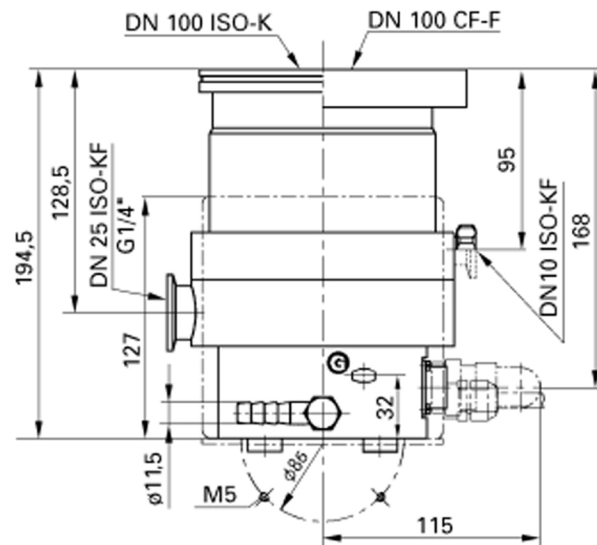
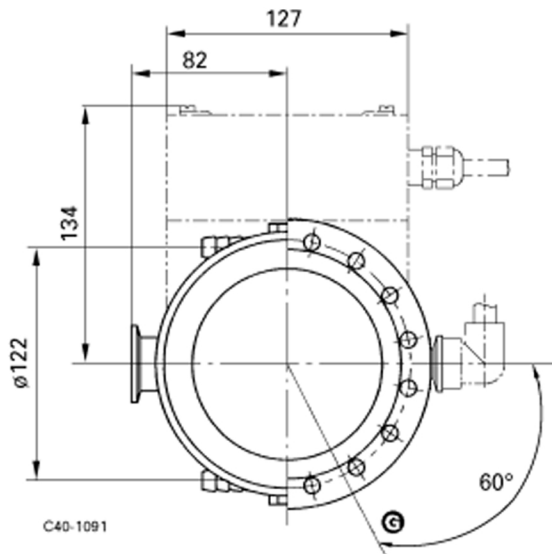
Pumping Curves



Pumping speed

- 1 TMH/U 520: He, N₂, H₂
- 2 TMH/U 260: He, N₂
- 3 TMH/U 260: H₂
- 4 TMH/U 064/065: N₂
- 5 TMH/U 064/065: He
- 6 TMH/U 064/065: H₂

Dimensions



ⓐ Only pump types TMH 260 P and TMU 260 P (see the rating plate).



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Features & Benefits

- pump and drive form single unit
- simple and economical system solution
- modular design for maximum flexibility
- all components connects on the plug & play principle
- minimal space requirements for the entire system
- integrated serial interface provides additional versatility
- low vibration and noise level
- low system costs

Applications

- HV technology • UHV technology • research & development • mass spectrometry • leak detectors • electron optics/microscopy
- vacuum handling systems/locks • lamp & tube production
- vacuum process technology • basic physical research • accelerators
- fusion technology

Recommended controller/backing pump

- Diaphragm pumps: MZ-2T
- Vane pumps: UNO 005A
- Controllers: TCP-121 • TCP-380