



HiPace® 700 with TC 400, DN 160 ISO-F, G 1/4"



HiPace® 700

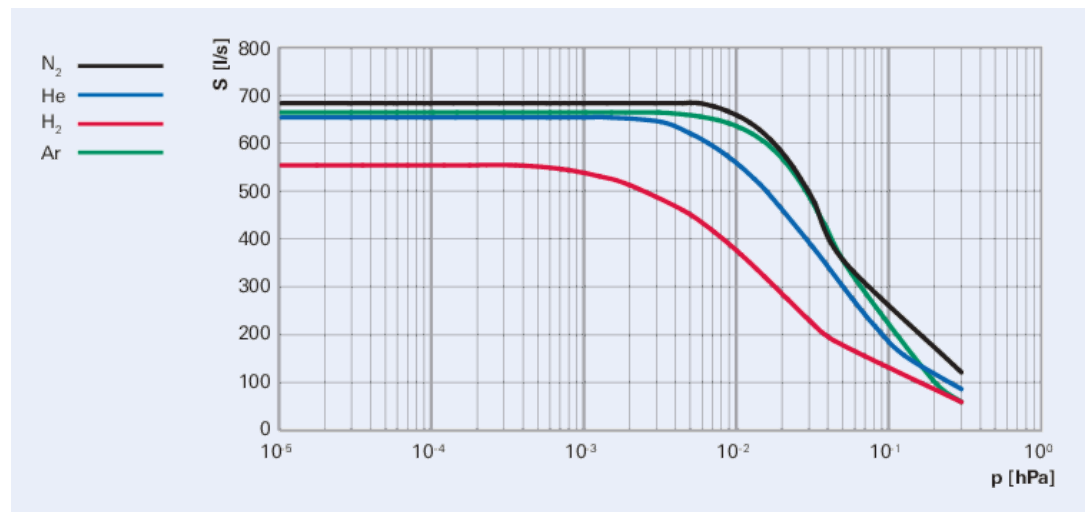


Illustration only

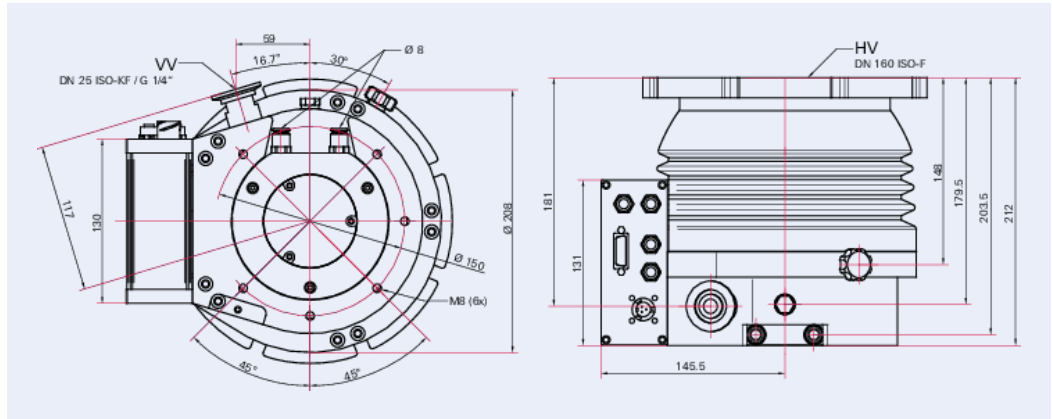
HiPace® 700 with TC 400, DN 160 ISO-F, G ¼"

- Compact yet powerful turbopump with a pumping speed of up to 685 l/s for N₂
- Maximum vacuum performance with minimum power consumption
- For installation in any orientation
- TC 400 integrated electronic drive unit
- Integrated, powerful cooling system

Characteristics



Dimensions



Technical Data	HiPace® 700 with TC 400, DN 160 ISO-F, G ¼"
Electronic drive unit	TC 400
Type of electronic drive unit installation	Integrated electronic drive unit
Position of power supply pack	External power supply pack
Cooling method	Water
Pumping speed	1998 – 2466 m³/h
Pumping speed category	2520 m³/h
Pumping speed for He	655 l/s
Pumping speed for N ₂	685 l/s
Vacuum range min	1 · 10 ⁻⁷ hPa
Vacuum range max	1 · 10 ⁻⁷ hPa
I/O interfaces	RS-485, Remote
Cooling water temperature	15 – 35 °C
Interfaces, extended	Profibus DeviceNet E74
Venting connection	G 1/8"
Bearing	Hybrid
Cooling method, optional	Air (forced convection)
Current max.	8.4 A
Mounting orientation	Arbitrary
Temperature: Storage, max	55 °C
Temperature: Storage, min	-20 °C
Pumping speed for Ar	665 l/s
Pumping speed for H ₂	555 l/s
Emission sound pressure level (EN ISO 2151)	≤50 dB(A)
Gas throughput at final rotation speed for H ₂	14 hPa·l/s
Gas throughput at final rotation speed for He	20 hPa·l/s
Run-up time	2 min
Compression ratio for Ar	1 · 10 ¹¹
Compression ratio for H ₂	4 · 10 ⁵
Compression ratio for He	3 · 10 ⁷
Compression ratio for N ₂	1 · 10 ¹¹
Gas throughput at final rotation speed for N ₂	6.5 hPa·l/s
Gas throughput at final rotation speed for Ar	3.5 hPa·l/s
Fore-vacuum max. for N ₂	11 hPa 8.25 Torr 11 mbar
Pumping speed for He	655 l/s
Pumping speed for N ₂	685 l/s

HiPace® 700

Rotation speed $\pm 2\%$	49,200 rpm 49,200 min ⁻¹
Weight	12.1 kg 26.68 lb
Pumping speed for Ar	665 l/s
Pumping speed for H ₂	555 l/s
Compression ratio for N ₂	$1 \cdot 10^{11}$
Compression ratio for H ₂	$4 \cdot 10^5$
Compression ratio for He	$3 \cdot 10^7$
Compression ratio for Ar	$1 \cdot 10^{11}$
Permissible radial magnetic field max.	6 mT
Fore-vacuum max. for N ₂	11 hPa
Cooling water flow	100 l/h
Power consumption max.	420 W
03 Vacuum range	High Vacuum Ultra-high Vacuum
Connection flange	DN 160 ISO-F / DN 25 ISO-KF G 1/4" Thread
Rotation speed variable	60 – 100 %
Rotation speed $\pm 2\%$	49,200 rpm
Weight	12.1 kg
Connection flange (in)	DN 160 ISO-F
Connection flange (out)	DN 25 ISO-KF G 1/4"

Order number	HiPace® 700 with TC 400, DN 160 ISO-F, G 1/4"
HiPace® 700 with TC 400, DN 160 ISO-F, G 1/4"	2000236939



伯东企业（上海）有限公司
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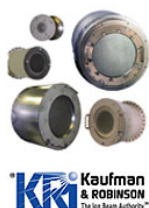
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