



HiPace® 700 with TC 400 and power supply pack OPS 400, DN 160 ISO-K



HiPace® 700



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- Compact yet powerful turbopump with a pumping speed of up to 685 l/s for N₂
- DN 160 ISO-K
- Drive electronics TC 400 with power supply OPS 400 integrated
- Ideal for analytical and industrial applications
- For installation in any orientation
- Extensive accessories expand the range of applications

Technical Data	HiPace® 700 with TC 400 and power supply pack OPS 400, DN 160 ISO-K
Connection flange (out)	DN 25 ISO-KF
Connection flange (in)	DN 160 ISO-K
Electronic drive unit	TC 400
Type of electronic drive unit installation	Integrated electronic drive unit
Rotation speed $\pm 2\%$	49,200 rpm
Rotation speed variable	60 – 100 %
I/O interfaces	RS-485, Remote
Mounting orientation	Arbitrary
Input voltage(s)	115 – 230 V AC, 50/60 Hz
Final pressure without gas ballast	$1 \cdot 10^{-7}$ hPa
Gas throughput at full rotational speed for Ar	3.5 hPa·l/s
Gas throughput at full rotational speed for H ₂	14 hPa·l/s
Gas throughput at full rotational speed for He	20 hPa·l/s
Gas throughput at full rotational speed for N ₂	6.5 hPa·l/s
Weight	13.3 kg
Run-up time	2 min
Integral leakage rate	$1 \cdot 10^{-8}$ Pa m ³ /s
Compression ratio for Ar	$>1 \cdot 10^{11}$
Compression ratio for H ₂	$4 \cdot 10^5$
Compression ratio for He	$3 \cdot 10^7$
Compression ratio for N ₂	$>1 \cdot 10^{11}$
Cooling method	Water
Bearing	Hybrid
Power consumption max.	420 W
Mains frequency compatibility	50 Hz 60 Hz
Position of power supply pack	Integrated power supply pack
Pumping speed for Ar	665 l/s
Pumping speed for H ₂	555 l/s
Pumping speed for He	655 l/s
Pumping speed for N ₂	685 l/s
Sound pressure level	50 dB(A)
Protection degree	IP54 Type 12
Current max.	8,75 A
Fore-vacuum max. for N ₂	11 hPa
Permissible radial magnetic field max.	6 mT
Emission sound pressure level (EN ISO 2151) level 1	50 dB(A)

Order number	HiPace® 700 with TC 400 and power supply pack OPS 400, DN 160 ISO-K
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