



# HiPace® 60 P

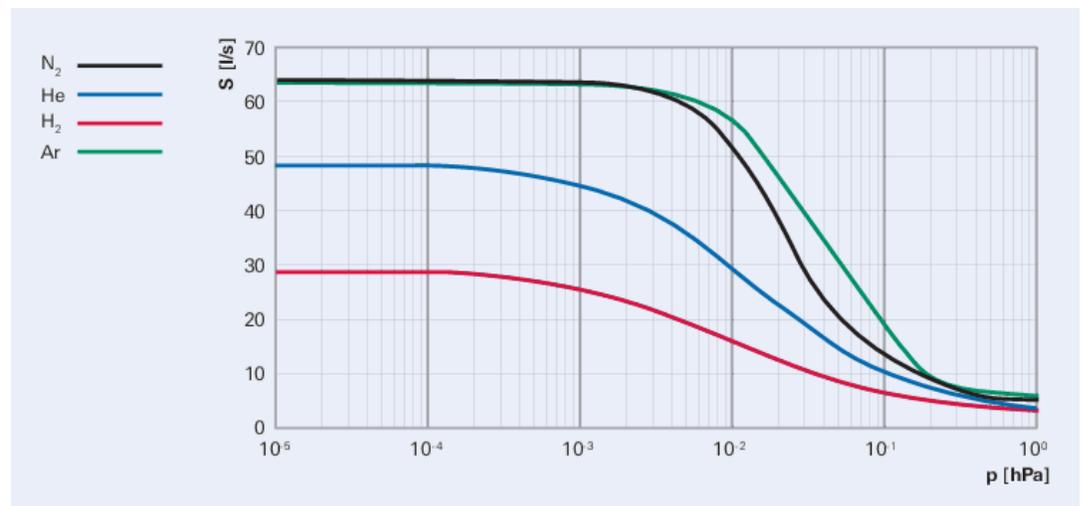


Illustration only

## HiPace® 60 P with TC 110, DN 63 ISO-K

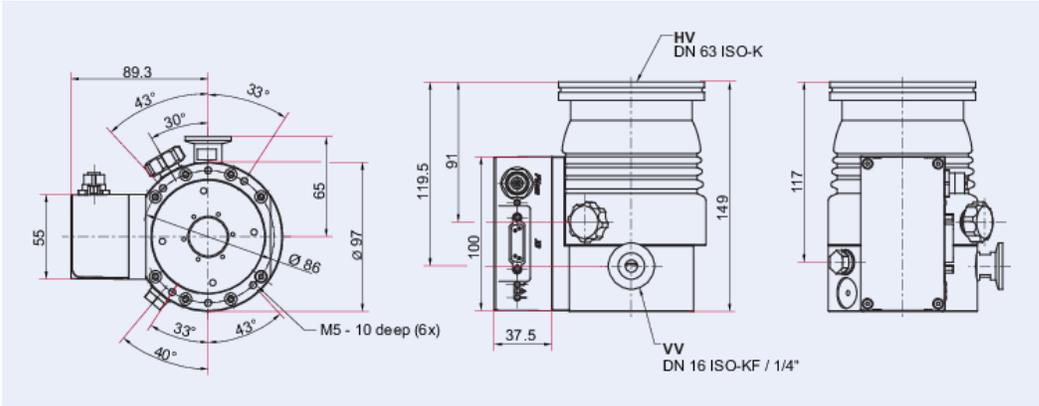
- Small yet powerful turbo molecular pump without Holweck-stage with a pumping speed of up to 64 l/s for N<sub>2</sub>
- TC 110 integrated electronic drive unit
- Installation in any orientation
- Simple and reliable system integration
- Insensitive to dust
- Extensive accessories expand the range of applications

## Characteristics



# HiPace® 60 P

## Dimensions



# HiPace® 60 P

Technical Data	HiPace® 60 P with TC 110, DN 63 ISO-K
Connection flange (out)	DN 16 ISO-KF   G ¼"
Connection flange (in)	DN 63 ISO-F
Electronic drive unit	TC 110
Type of electronic drive unit installation	Integrated electronic drive unit
Rotation speed ± 2 %	90,000 rpm
Rotation speed variable	50 - 100 %
I/O interfaces	RS-485, Remote
Mounting orientation	Arbitrary
Input voltage(s)	24 V DC (±10 %)
Final pressure without gas ballast	$<1 \cdot 10^{-6}$ hPa
Gas throughput at full rotational speed for Ar	0.83 hPa·l/s
Gas throughput at full rotational speed for H <sub>2</sub>	55 hPa·l/s
Gas throughput at full rotational speed for He	55 hPa·l/s
Gas throughput at full rotational speed for N <sub>2</sub>	9.2 hPa·l/s
Weight	2.2 kg
Run-up time	1 min
Integral leakage rate	$<2 \cdot 10^{-8}$ Pa m <sup>3</sup> /s
Compression ratio for Ar	$2 \cdot 10^6$
Compression ratio for H <sub>2</sub>	$2 \cdot 10^2$
Compression ratio for He	$3.5 \cdot 10^2$
Compression ratio for N <sub>2</sub>	$1 \cdot 10^6$
Cooling method	Natural convection
Bearing	Hybrid
Power consumption max.	110 W
Position of power supply pack	External power supply pack
Pumping speed for Ar	63 l/s
Pumping speed for H <sub>2</sub>	28 l/s
Pumping speed for He	48 l/s
Pumping speed for N <sub>2</sub>	64 l/s
Sound pressure level	≤48 dB(A)
Protection degree	IP44   Type 12
Current max.	4.6 A
Fore-vacuum max. for N <sub>2</sub>	4 hPa
Permissible radial magnetic field max.	4 mT
Emission sound pressure level (EN ISO 2151) level 1	≤48 dB(A)

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Final pressure according to PNEUROP

$<1 \cdot 10^{-6}$  hPa |  $<7.5 \cdot 10^{-7}$  Torr |  $<1 \cdot 10^{-6}$  mbar

## Order number

**HiPace® 60 P with TC 110, DN 63 ISO-K**

HiPace® 60 P with TC 110, DN 63 ISO-K

PM P04 000 A

## Accessories

**HiPace® 60 P with TC 110, DN 63 ISO-K**

Operating fluid reservoir, cpl. for HiPace 80

PM 143 740 -T

Spare parts package 1, bearing for HiPace 80  
(from index A)

PM E01 056 -T



Errors and/or changes excepted. - 9/30/2025

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