



Leybold Turbolab Core 90i, 250i

Technical Specifications

TURBOLAB Core		90 i			250 i	
High vacuum connection	DN	KF 40	ISO 63	CF 63	ISO 100	CF 100
Fore vacuum connection	DN	16 KF				
Pumping speed for N ₂	l/s	40	90		250	
Ultimate pressure	mbar	8 x 10 ⁻⁸	8 x 10 ⁻⁸	5 x 10 ⁻¹⁰	8 x 10 ⁻⁸	5 x 10 ⁻¹⁰
Mains supply	V	110 /230 +/- 10%				
Power consumption	W	250				
Weight	kg	26		27	30	

Product Name	High vacuum pump	Backing pump	Flange	Part number
TURBOLAB Core	TURBOVAC 90 i	DIVAC 1.4	63 ISO-K	501591V00000500
			63 CF	501591V01000500
	40 KF		501591V02000500	
	100 ISO-K		501591V08000500	
	TURBOVAC 250 i		100 CF	501591V09000500

Parameter	TURBOVAC 90i	TURBOVAC 250i
Pumping speed*		
▪ Nitrogen	38 ls ⁻¹	225 ls ⁻¹
▪ Argon	36 ls ⁻¹	210 ls ⁻¹
▪ Helium	39 ls ⁻¹	250 ls ⁻¹
▪ Hydrogen	31 ls ⁻¹	210 ls ⁻¹
Compression ratio*		
▪ Nitrogen	1 x 10 ¹¹ ls ⁻¹	1 x 10 ¹¹ ls ⁻¹
▪ Argon	1 x 10 ⁶ ls ⁻¹	1 x 10 ⁶ ls ⁻¹
▪ Helium	1 x 10 ⁸ ls ⁻¹	1 x 10 ⁸ ls ⁻¹
▪ Hydrogen	5 x 10 ⁷ ls ⁻¹	2 x 10 ⁷ ls ⁻¹



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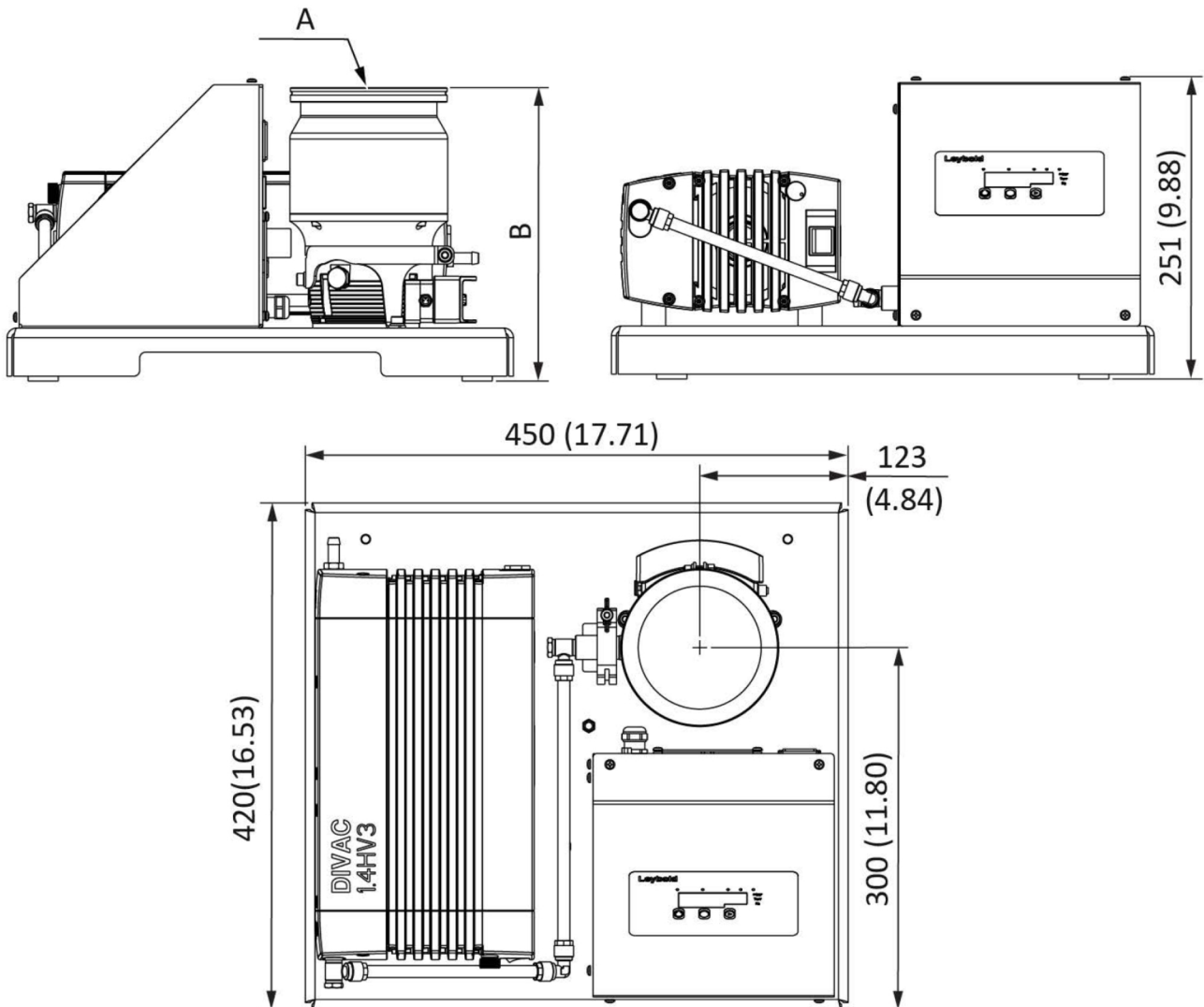
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Leybold Turbolab Core 90i, 250i Dimensions



Dimension	TURBOLAB Core 90			TURBOLAB Core 250	
	DN 40 KF	DN 63 ISO-K	DN 63 CF	DN 100 ISO-K	DN 100 CF
A	249.5 mm (9.82 inch)	230.5 mm (9.07 inch)	248 mm (9.76 inch)	243.5 mm (9.58 inch)	252.5 mm (9.94 inch)
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Leybold Turbolab Core 90i, 250i Features & Benefits

- entry level pumping station
- incorporates a turbo pump, a backing pump, & a simple controller
- fitted on a robust baseplate
- small footprint, low vibrations, low noise level
- easily integrated
- comes with optional accessories

Applications

- research & development • high & ultra high vacuum systems
- high energy physics • surface physics • accelerators • analytics

