



Leybold Turbolab 80, 350, 450

Technical Specifications

		TURBOLAB 80 / Cart		TURBOLAB 350 / Cart		TURBOLAB 450 / Cart		
High vacuum connection	DN	63 ISO-K or 63 CF		100 ISO-K or 100 CF		160 ISO-K or 160 CF		
Forevacuum connection	DN	16 KF		25 KF		25 KF		
Pumping speed for N ₂	l/s	65		290		430		
Ultimate pressure	ISO/CF	mbar	10 ⁻⁷ / 10 ⁻⁷		< 10 ⁻⁸ / < 10 ⁻¹⁰		< 10 ⁻⁸ / < 10 ⁻¹⁰	
Mains supply	V	110 / 230 ±10 %		110 / 230 ±10 %		110 / 230 ±10 %		
Power consumption, max.	VA	350		240		240		
Weight	ISO	kg	14,5		22		22	
Accessories			6		6		6	
Gauges			2		2		2	
System condition monitoring (CBM)				Internal condition monitoring				
Software		Access via the IP address of the TURBOLAB (no software installation required)						
Webserver		Multi-platform browser (InternetExplorer, Safari, Chrome, Fire Fox) for system configuration, control, operation, monitoring						
DataViewer		Analysing and assessing of the recorded system data. Display as graph and in a table (PC Windows)						
CMS Widget		Control window for permanent system condition monitoring (PC Windows)						

Backing pumps

Diaphragm vacuum pump	DIVAC	0.8 T		3.0			
Pumping speed	m ³ · s ⁻¹	0.7		3.0			
Exhaust connection	DN	Silencer		Silencer			
Noise level	dB(A)	49		54			
Scroll vacuum pump	SCROLLVAC	SC 5 D		SC 15 D		SC 30 D	
Pumping speed	m ³ · s ⁻¹	5.4		15.0		30.0	
Exhaust connection	DN	16 ISO-KF		16 ISO-KF		25 ISO-KF	
Noise level	dB(A)	52		58		62	
Rotary vane vacuum pump	TRIVAC	D 4 B		D 8 B			
Pumping speed	m ³ · s ⁻¹	4.8		9.7			
Exhaust connection	DN	16 ISO-KF		16 ISO-KF			
Noise level	dB(A)	52		52			
Rotary vane vacuum pump	SOGEVAC	SV 16 D					
Pumping speed	m ³ · s ⁻¹	16.0					
Exhaust connection	G	1/2"					
Noise level	dB(A)	59					



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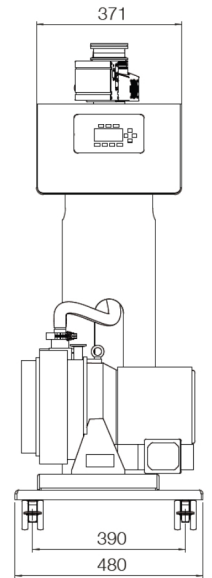
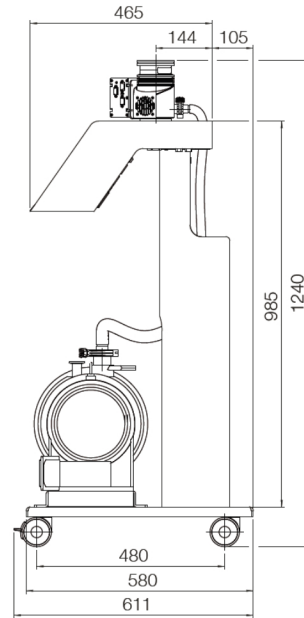
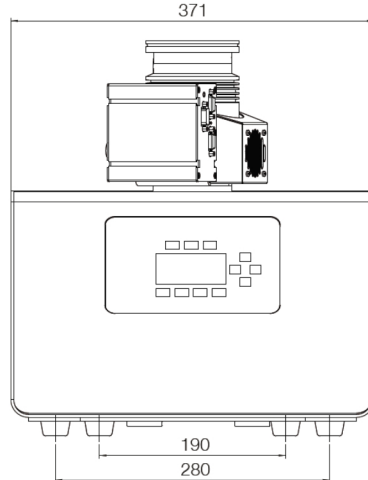
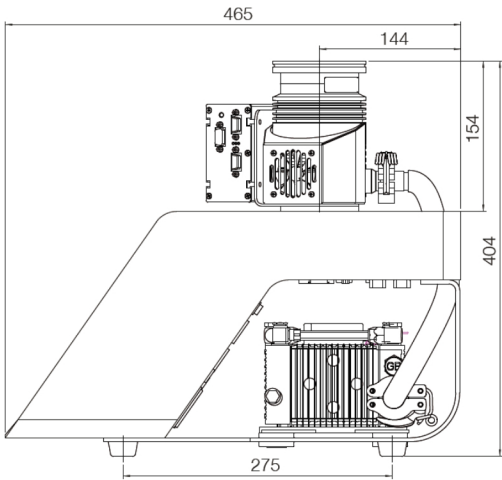
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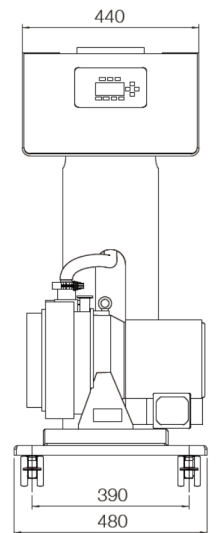
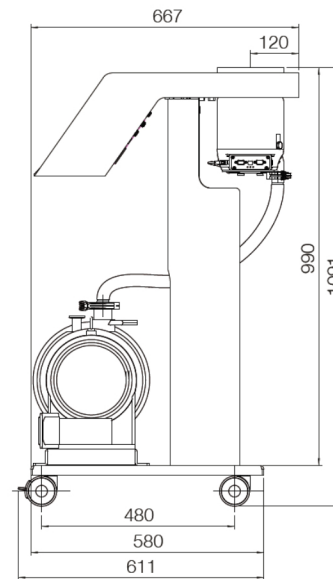
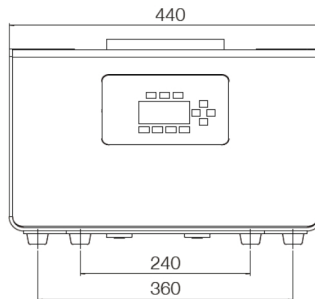
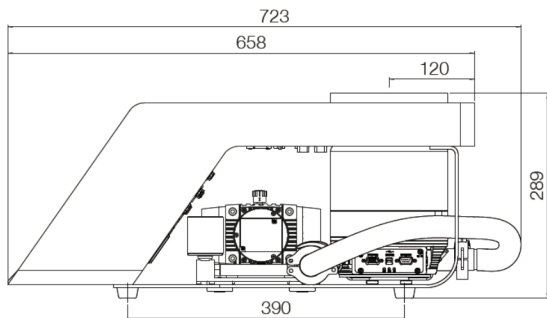
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Leybold Turbolab 80, 350, 450 Dimensions

Turbolab 80



Turbolab 350, 450





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Leybold Turbolab 80, 350, 450 Features & Benefits

- benchmark functionality, reliability & design
- easily relocate pump away from frame and on your chamber
- built in webserver for control, condition monitoring, data analysis & configuration of the Turbolab system
- remote control via the X1 interface
- full range of high vacuum, enhanced pump performance
- price-to-performance ratio
- compact mobile design
- small footprint
- backlight display

Applications

- microbalances • sputtering • spectroscopy • production of TV & monitor picture tubes • surface refining • evaporation coating systems • beam guidance systems • laboratory pump systems
- analytics • research & development • high energy physics

