



PROVAC

SALES

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Edwards iL-70

Technical Specifications

Parameter		Units	iL70
Typical peak pumping speed	50 Hz	m ³ h ⁻¹	70
	60 Hz	m ³ h ⁻¹	84
Ultimate vacuum	50 Hz	mbar	$< 5 \times 10^{-2}$
		Pa	< 5
	60 Hz	mbar	$< 3 \times 10^{-2}$
		Pa	< 3
Inlet connection		-	ISO63 bolted
Outlet connection		-	NW40

Warm-up time to nominal pumping performance	15 min
Minimum warm-up time to process gas pumping	3 hours
Vacuum system maximum leak-rate	1×10^{-5} mbar.ls ⁻¹ (1×10^{-3} Pa.ls ⁻¹)
Exhaust system maximum leak-rate	1×10^{-5} mbar.ls ⁻¹ (1×10^{-3} Pa.ls ⁻¹)
Ambient operating temperature range	5 to 40 °C
Maximum ambient operating humidity	90% RH
Maximum exhaust back pressure	3 p.s.i. (0.207 bar, 2.07×10^4 Pa)
Noise level measured at 1 m from the pump (with enclosure panels fitted)	
iL70	< 62 dB(A)
Mass	
iL70	230 kg



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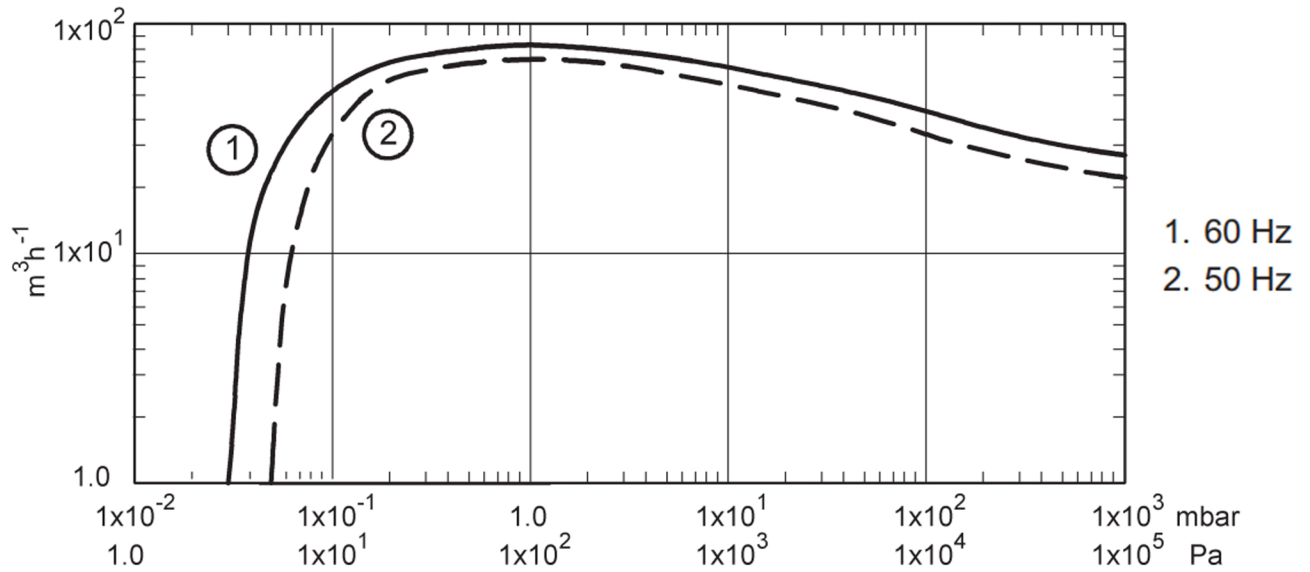
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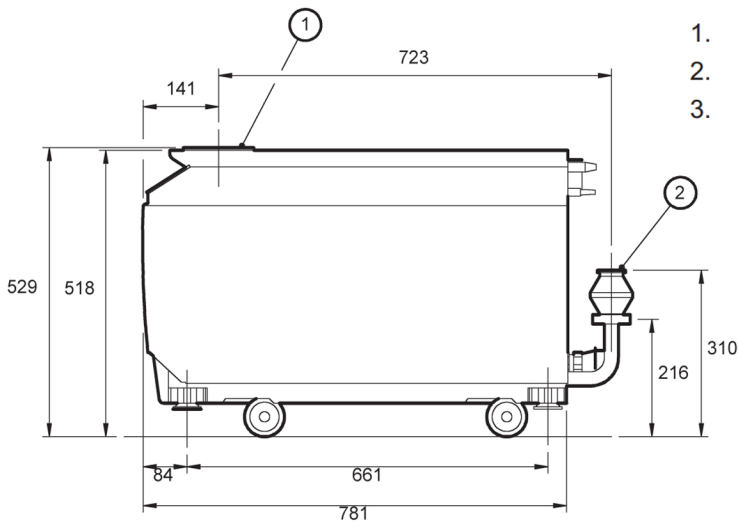
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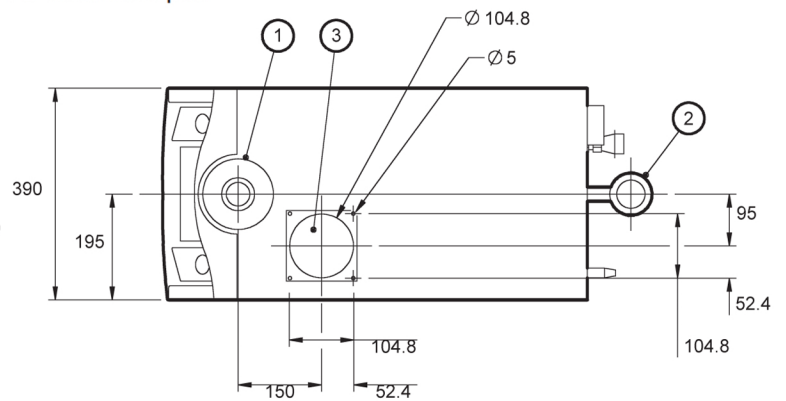
Edwards iL-70 Pumping Curves



Dimensions



1. Inlet
2. Outlet (as supplied)
3. Air-extraction port





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Edwards iL-70 Features & Benefits

- designed for cleaner applications
- no lubricating or sealing fluid in pump chambers
- designed to operate as a sealed unit
- low cost vacuum solution for load locks & similar
- reliability & high performance

Applications

- semiconductor fabrication processes • load lock • transfer chamber
- PVD • SEM

