



Edwards HV8000

Technical Specifications

	Units	HV8000
Displacement (swept volume)		
50Hz	m ³ h ⁻¹ / ft ³ min ⁻¹	7200 / 4241
60Hz	m ³ h ⁻¹ / ft ³ min ⁻¹	8640 / 5089
Max rotation speed		
50Hz	rpm	3000
60Hz	rpm	3600
Max pressure differential		
50Hz	mbar/ Torr	190 / 143
60Hz	mbar/ Torr	120/ 90
Ultimate (depends on backing set)		
50Hz	mbar/ Torr	1.5 x 10 ⁻⁴ / 1 x 10 ⁻⁴
60Hz	mbar/ Torr	2 x 10 ⁻⁴ / 1.5 x 10 ⁻⁴
Electrical supply voltage		
50Hz		380-415V, 3-ph
60Hz		440-460V, 3-ph
Standard motor power		
50Hz	kW/ hp	15 / 20
60Hz	kW/ hp	18.5/ 25
Standard backing set speed requirements		
	m ³ h ⁻¹ / ft ³ min ⁻¹	2600/ 1530
Recommended oil		
		Mobile SHC 629
Max oil capacity (vertical gas flow config)		
	litre / US gal	8.3 / 2.18
Inlet/outlet connection		
		10" class 150 ASME B16.5
Inlet/outlet cooling water connection		
		Rp 1/2 ISO 7-1 (1/2 BSP)
End cover purge gas inlet		
		Rp 3/8 ISO 7-1 (3/8 BSP)
Max cooling water supply pressure		
	bar/ psi	4/ 58
Max cooling water supply temp		
	°C / F	35/ 95
Cooling water flow rate		
	lmin ⁻¹ / US gal min ⁻¹	15/ 3.96
Noise level		
		82 dB(A)
Weight (without motor)		
	kg/ lb	580 / 1279
Weight (with standard motor)		
	kg/ lb	720 / 1587



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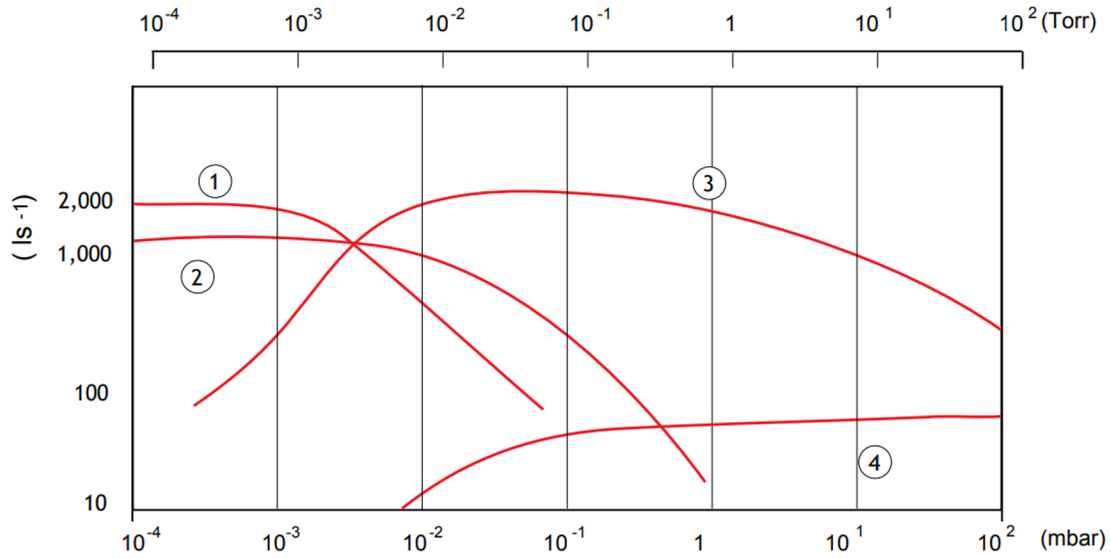
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PHONE: 831-462-8900

FAX: 831-462-3536

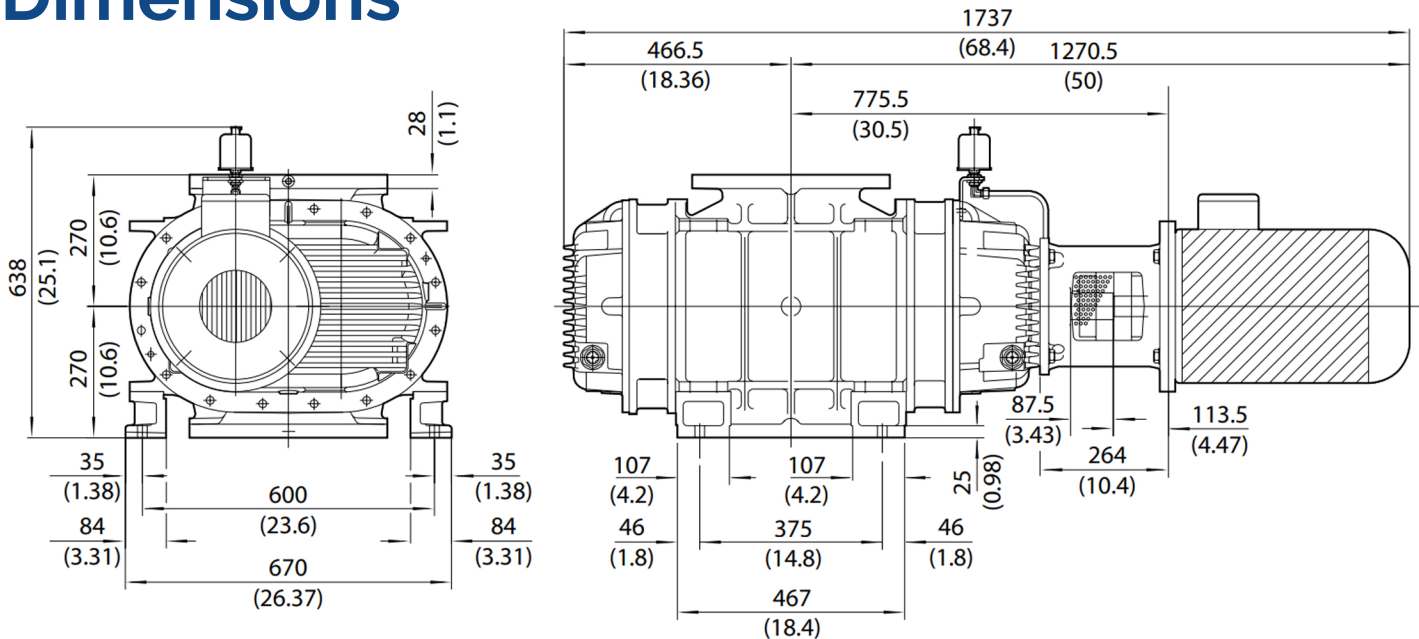
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Edwards HV8000 Pumping Curves



In their most efficient range mechanical booster pumps (3) cover the gap between oil vapour diffusion pumps (1), Oil vapour booster pumps (2) and rotary or dry primary pump (4)

Dimensions





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Features & Benefits

- can be configured for horizontal or vertical flow
- rugged design for robust & reliable operation
- suitable for very large scale processes in industrial & chemical markets
- stable process for consistent output

Applications

- steel degassing • metallurgy • coating • process engineering industries
- chemical • industrial

