



PROVAC

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Anest Iwata ISP-250B

Technical Specifications

Model		ISP-250B										
Displacement (swept volume) L/min	50H	250										
	60H	300										
Ultimate pressure Pa(Torr)		≤ 1.6 ($\leq 1.2 \times 10^{-2}$)										
Leak tightness Pa(mbar) · L/S		$\leq 1.0 \times 10^{-2}$ ($\leq 1.0 \times 10^{-4}$)										
Max. intake pressure		Atmospheric pressure										
Ambient operating temperature range		5°C ~ 40°C										
Motor	Type	Single-phase induction motor totally-enclosed · 4P · B class insulation, capacitor start (without external overheat protection)					3-phase induction motor totally enclosed · 4P · B class insulation (without external overheat protection)					
	Output kW	0.4										
	Voltage V	100	115	200	230	200	208	230	380	415	460	
	Rated current A	50H	4.2	—	2.0	2.2	1.6	—	—	0.9	1.0	—
		60H	4.3	3.8	2.2	1.9	1.9	1.9	1.8			1.0
	Revolution min ⁻¹ (rpm)	50H	1430	—	1420	1440	1420	—	—	1440	1450	—
60H		1720	1740	1710	1730	1670	1680	1710	—	—	1720	
Noise level 1m dB(A) with air flush ON(opened)		≤ 58 ≤ 66										
Inlet connection		NW25										
Outlet connection		NW16										
Direction of inlet		Perpendicularly fitted										
Dimensions mm L×W×H		400×252×336					370×252×336					
Mass kg		25					23					
Cooling system		Air-cooled										
Others		With hour meter and air flush										

Note 1 : Pumping speed and ultimate pressure remain roughly the same when air flush is ON(opened) and OFF (closed).

Note 2 : Noise level is measured at ultimate pressure in an anechoic room.

Note 3 : Leak tightness is measured when pump is stopped and air flush is OFF (closed).

Note 4 : Water vapor handling is less than 25g/day when air flush is ON (opened).

Air flush volume is 10 liters/min.

Note 5 : Air flush is OFF (closed) when pump is delivered.



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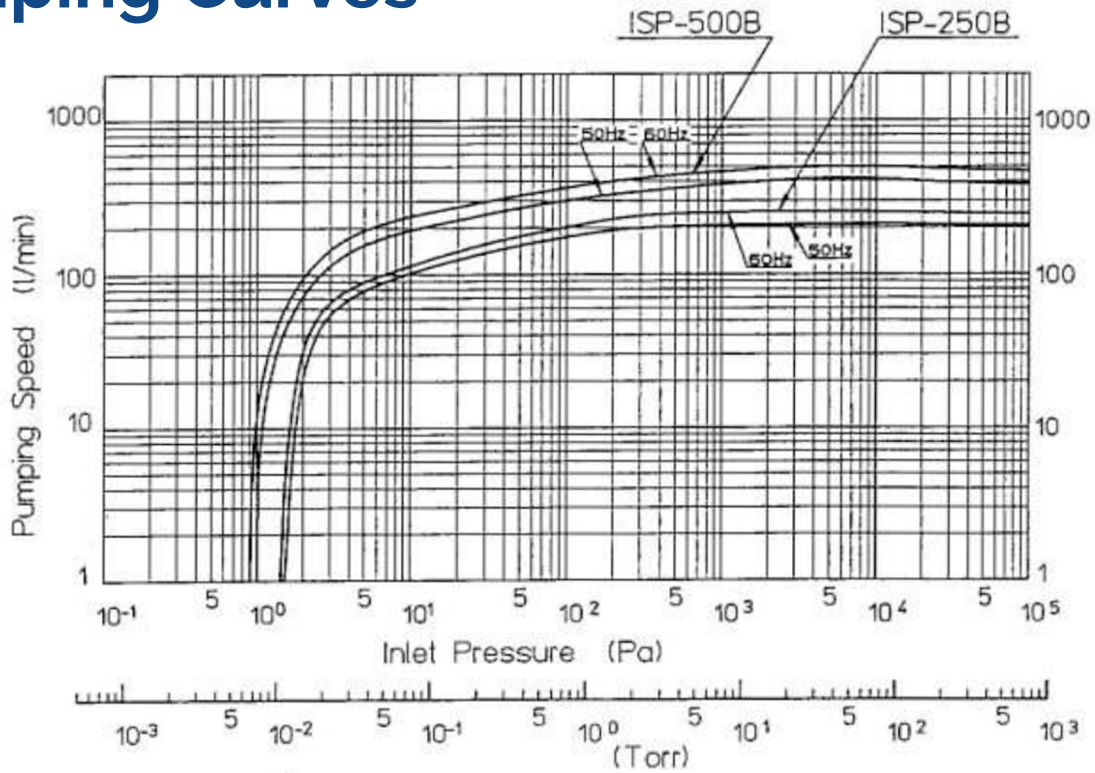
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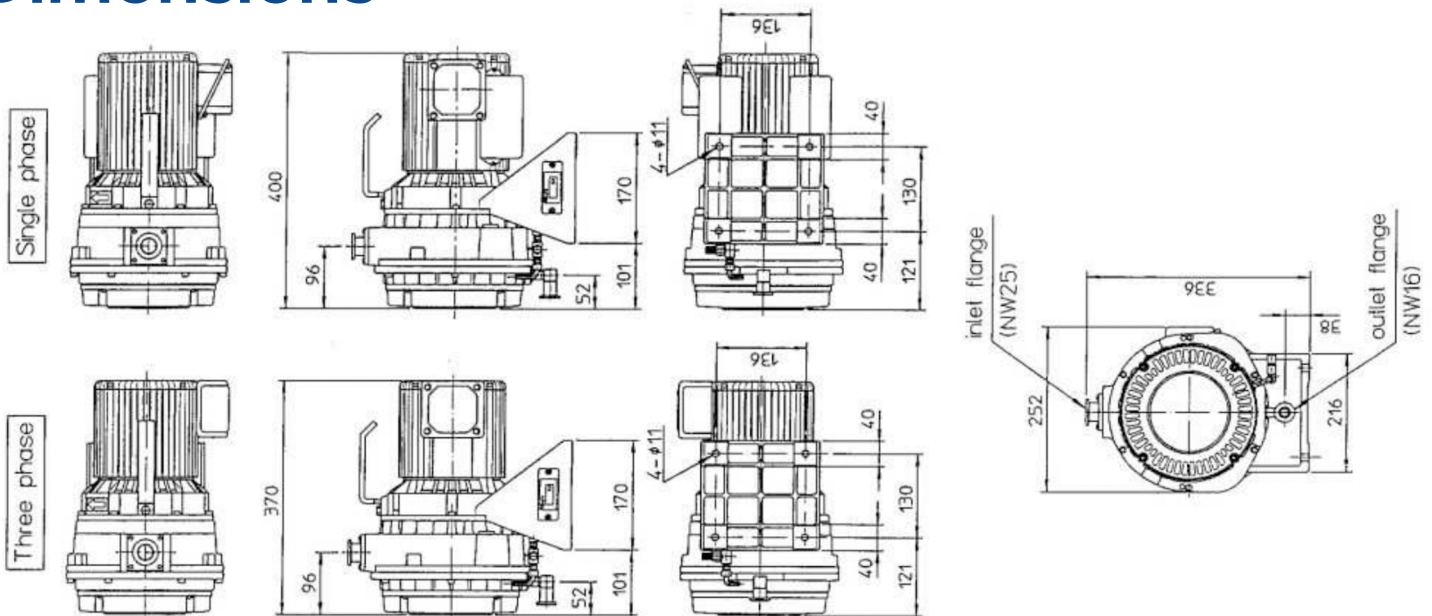
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Anest Iwata ISP-250B Pumping Curves



Dimensions





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Features & Benefits

- air-cooled, oil-free scroll-type vacuum
- low noise & vibration
- compact design
- no lubricant maintenance or sealing water administration
- free from installation restrictions
- low power consumption

Applications

- sputtering/vacuum deposition/ion plating equipment • accelerator & synchrotron radiation • surface modification • electron beam process
- gas recovery devices • vacuum equipment • leak detectors • device handling system • vacuum/heat treatment furnace • laboratory use
- vacuum packaging machine

