



Ebara A30W, A70W

Technical Specifications

		A70W	A30W
Pumping Speed (50 / 60Hz)		7000 / 8400 L/min	3000 / 3600 L/min
Ultimate Pressure (50 / 60Hz)		0.27 / 0.13 Pa	0.4 / 0.27 Pa
Connection	Gas Inlet	NW50	
	Gas Outlet	NW40	
Motor		2P 2.2 kW + 3.7 kW	2P 1.5 kW + 2.2 kW
Cooling Water	Connection	Coupler (R c 3/8)	
	Pressure [Gauge Press.]	Supply : Max 0.4 MPa Differential Press. : 0.1 MPa	
	Flow Rate	Min. 3.5 L/min	
	Temperature	Max. 30 deg C	
N ₂ Gas	Connection	1/4" Tube Fitting (Same as Swagelok®)	
	Pressure [Gauge Press.]	Supply : 0.1-0.7 MPa Setting : 0.04-0.07 MPa	
	Approx. Flow Rate [Dilution 0 Mode]	24-27 Pa m ³ /s [3.4 Pa m ³ /s]	17-22 Pa m ³ /s [3.4 Pa m ³ /s]
Duct Ventilation	Connection	d50 mm×L50 mm	
	Pressure	-196 Pa	
	Approx. Flow Rate	0.5 m ³ /min	
Lubrication Oil	Brand	FOMBLIN Y-L VAC 25/6 BARRIERTA J100 DEMNUM S-65 KRYTOX VPF 1525	
	Quantity	0.8 L	
Approximate Weight		380 kg	330 kg
Power Supply	Phase/Volt/Freq.	3 Phase, 200V (50 Hz), 200-220 V (60Hz)	
	Current Rating (50 / 60 Hz)	29.5 / 28.1 A	19.7 / 18.5 A
	Connection	MS Series 22-22 (Japan Aviation Electronics Industry)	
Control Signal		57 Series 50 (DDK. Ltd)	

[Note] Approximate flow rate of N₂ gas shows a necessary total amount for seal N₂ and dilution N₂. LCD controller displays only the flow rate of dilution N₂.



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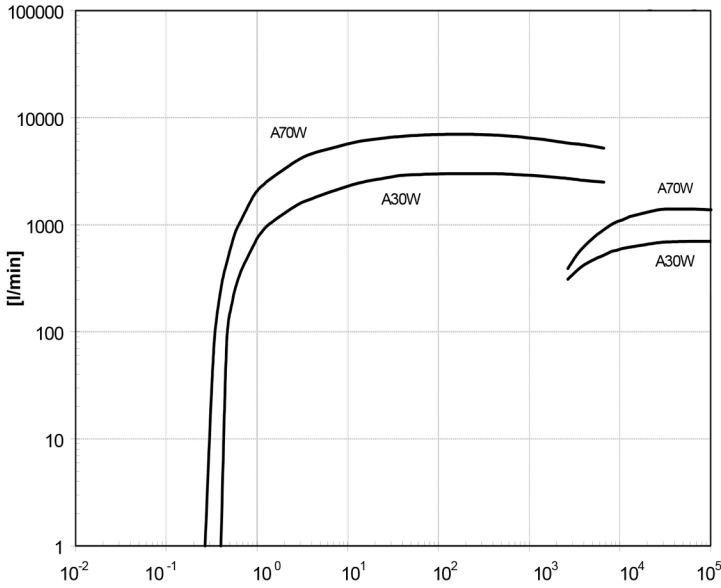
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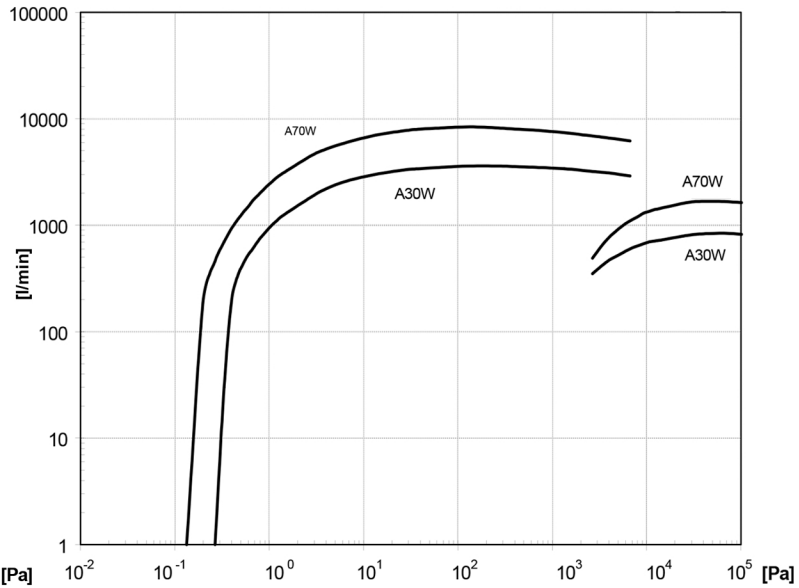
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Ebara A30W, A70W Pumping Curves

50Hz



60Hz





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Features & Benefits

- complete pump safeguard system
- high pump operating temperature prevents condensation
- low noise & vibration
- corrosion resistant materials-stainless steel coolers & water circuits
- high reliability even for harsh processes
- efficient interstage coolers for LPCVD nitride process
- canned motor
- low service requirements
- control panel for monitoring operating conditions
- very low nitrogen consumption for purging
- clean room compatible
- compact size & small footprint
- low service requirements

Applications

- semiconductor • solar • research & development