



Edwards STP-XA4503C

Technical Specifications

Specifications				
Inlet flange size	VG300	ISO320F	VG350	
Backing port size	KF40	KF40	KF40	
Pumping speed N ₂ /H ₂	3800/2500	4000/2500	4300/2500	litres/second
Compression ratio N ₂ /H ₂	>10 ⁸ /6 x 10 ³	>10 ⁸ /6 x 10 ³	>10 ⁸ /6 x 10 ³	
Ultimate pressure	10 ⁻⁷ (10 ⁻⁹) oder	10 ⁻⁷ (10 ⁻⁹) oder	10 ⁻⁷ (10 ⁻⁹) oder	Pa (mbar)
Maximum allowable backing pressure	266 (2.66)	266 (2.66)	266 (2.66)	Pa (mbar)
Maximum allowable gas flow, N ₂ *	2800 (4.73)	2800 (4.73)	2800 (4.73)	sccm (Pa m ³ /s)
Maximum allowable gas flow, AR *	2150 (3.63)	2150 (3.63)	2150 (3.63)	sccm (Pa m ³ /s)
Rated speed	24000	24000	24000	rpm
Run-up time to 90% rated speed	12	12	12	minutes
Mounting position	Any orientation			
Water cooling				
Flow	3	3	3	Litres/min
Temperature	5-25 (41-77)	5-25 (41-77)	5-25 (41-77)	°C (°F)
Pressure	3	3	3	Kgf/cm ²
Recommended purge gas flow N ₂	50 (8.4 x 10 ⁻²)	50 (8.4 x 10 ⁻²)	50 (8.4 x 10 ⁻²)	sccm (Pa m ³ /s)
Input voltage	200-240 +/- 10%	200-240 +/- 10%	200-240 +/- 10%	ac V
Max input power (without TMS)	1.5	1.5	1.5	KVA
Weight, pump/controller	105 (231.48) / 12 (26.46)	105 (231.48) / 12 (26.46)	97 (213.85) / 12 (26.46)	kg (lb)

* water cooled only, 10,000 l/min backing pump



PROVAC

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Edwards STP-XA4503C Features & Benefits

- improved thermal management
- enhanced performance on harsh processes
- increased maximum process flow capability
- reduced corrosion & deposition
- designed to handle both light & harsh duty applications
- wide process window
- higher throughput at lower pressure
- maintenance free
- 5-axis magnetic suspension system
- low vibration & noise
- zero contamination

Applications

- etch • implant • lithography • FPD processes

