



Seiko Seiki STP-301CVB3

Technical Specifications

Item		Model name
Flange size	Inlet port	ISO100
	Outlet port	KF40
Cooling water port (external diameter)		1/4 inch
TMS setting temperature		60 °C
Pumping speed *1	N ₂ L/s	280
	He L/s	260
	H ₂ L/s	280
Compression ratio *1	N ₂	>10 ⁸
	He	5×10 ⁵
	H ₂	1.2×10 ⁴
Ultimate pressure *1 Pa(Torr)		6.5×10 ⁻⁶ (5×10 ⁻⁸)
Maximum working pressure*1 Pa(Torr)		3 (25×10 ⁻³)
Allowable backing pressure*1 Pa(Torr)		65 (0.5)
Max throughput*1 Pa·m ³ /sec (SCCM)		0.42 (250)
Rotational speed rpm		44000 (Rotational speed setting range: 25000~44000)
Starting time min		3
Stopping time min		3
Vibration μ m(0-P)		<0.01 (at 44000 rpm)
Noise dB		<50 (at 44000 rpm)
Baking temperature °C		<120 (Not use with TMS unit)
Lubricating oil		Not necessary
Installation position		Free
Cooling method		Water cooling
Cooling water	Amount of water L/min	1.5 or more
	Temperature °C	10 to 20
	Water pressure Pa (kgf/cm ²)	2.9×10 ⁵ (3)
Standard baking pump L/min		>1000
Mass kg		11
Ambient temperature °C		0 to 40
Storage temperature °C		-25 to 55



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Dimensions

