



STA Inc.
Spindle Technology Advance

Technical Specification

SP8 - 3024-M4 4024-M4

High-frequency spindle

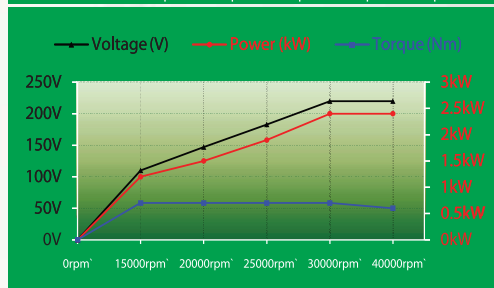


This is highly resistant to corrosion due to the material being **STAINLESS STEEL**.

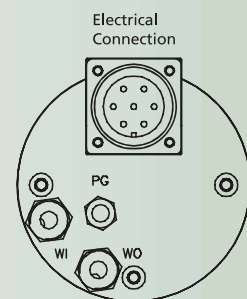
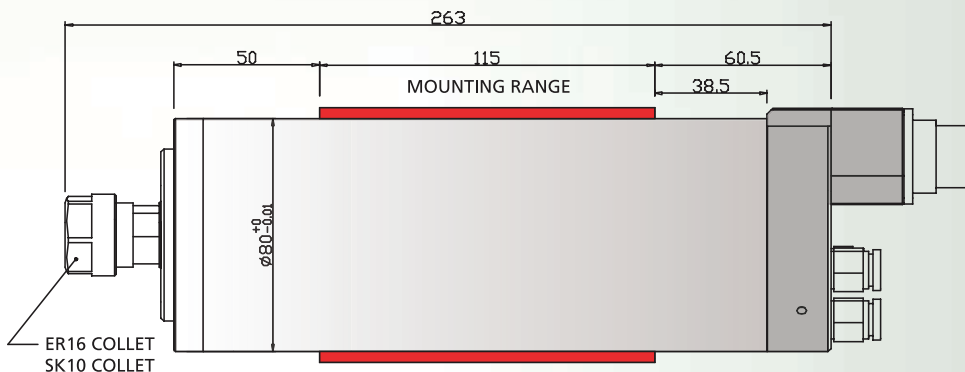
Speed	R.P.M	Max. 30,000 / 40,000
Max Frequency	Hz	Max. 1,000 / 1,334
Voltage	V	220
Output	kW	2.40
Torque	Nm	0.70
Current	A	10.0
Motor Poles	P	4
Collet / Tool Holder		ER16 / SK10
Tool Change		Manual Tool Change
Tool Clamping Range	mm	1.0 ~ 10.0
Cooling System		Water / Oil
Bearing(Grease)	Pcs	4
Housing Diameter	φ	80
Weight	kg	6.8
Motor Protection		Thermistor (P.T.C)
Sealing		Air
Inner Taper Run-out	μm	<2
Lubrication		Grease

Power, Torque, Speed Diagram

Speed (r.p.m)	15,000	20,000	25,000	30,000	40,000
Frequency (Hz)	500	667	834	1,000	1,334
Power (kW)	1.20	1.50	1.90	2.40	2.40
Torque (Nm)	0.70	0.70	0.70	0.70	0.6
Voltage (V)	110	147	183	220	220
Current (A)	10.0	10.0	10.0	10.0	10.0



Dimensions



WI Cooling IN
WO Cooling OUT
PG Air Purge