



STA Inc.
Spindle Technology Advance

SP8 - 5012-M4 6012-M4

High-frequency spindle



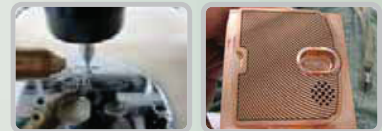
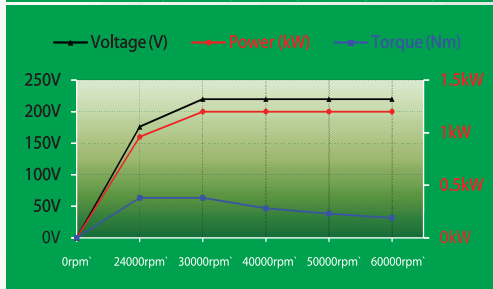
This is highly resistant to corrosion due to the material being **STAINLESS STEEL.**

Technical Specification

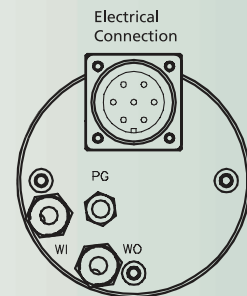
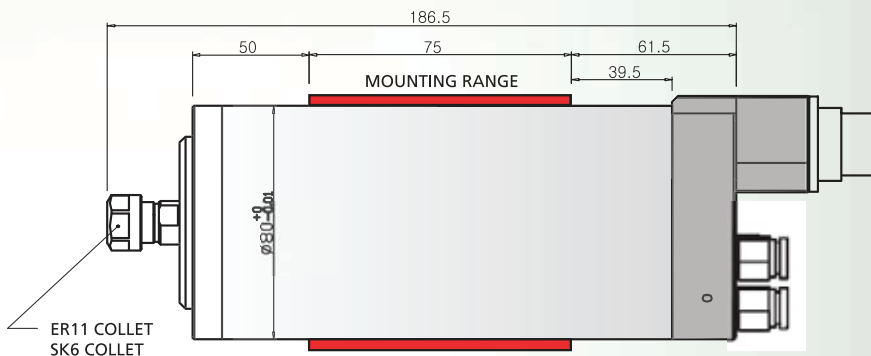
Speed	R.P.M	Max. 50,000 / 60,000
Max Frequency	Hz	Max. 1,667 / 2,000
Voltage	V	220
Output	kW	1.20
Torque	Nm	0.38
Current	A	6.2
Motor Poles	P	4
Collet / Tool Holder		SK6
Tool Change		Manual Tool Change
Tool Clamping Range	mm	0.7 ~ 6.0
Cooling System		Water / Oil
Bearing(Grease)	Pcs	4
Housing Diameter	φ	80
Weight	kg	6.5
Motor Protection		Thermistor (P.T.C)
Sealing		Air
Inner Taper Run-out	μm	<2
Lubrication		Grease

Power, Torque, Speed Diagram

Speed (rpm)	24,000	30,000	40,000	50,000	60,000
Frequency (Hz)	800	1,000	1,334	1,667	2,000
Power (kW)	0.96	1.20	1.20	1.20	1.20
Torque (Nm)	0.38	0.38	0.28	0.23	0.19
Voltage (V)	176	220	220	220	220
Current (A)	6.2	6.2	6.2	6.2	6.2



Dimensions



WI ---- Cooling IN
WO ---- Cooling OUT
PG ---- Air Purge