



**STA Inc.**  
Spindle Technology Advance

# SP9 - 5033-A4 5533-A4 High-frequency spindle



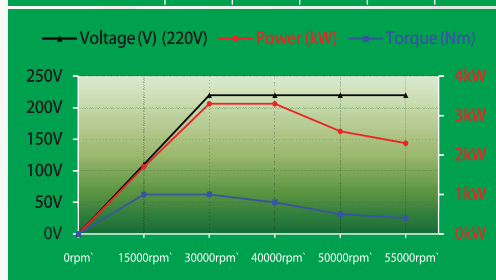
This is highly resistant to corrosion due to the material being **STAINLESS STEEL.**

## Technical Specification

Speed	R. P. M	Max. 50,000 / 55,000
Max Frequency	Hz	Max. 1,667 / 1,834
Voltage	V	220 / 380
Output	kW	3.30
Torque	Nm	1.00
Current	A	13.1 / 7.6
Motor Poles	P	4
Collet / Tool Holder		HSK E25
Tool Change		Auto Tool Change
Tool Clamping Range	mm	1.0 ~ 10.0
Cooling System		Water / Oil
Bearing(Grease)	Pcs	4
Housing Diameter	φ	90
Weight	kg	11.0
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	30,000	40,000	50,000	55,000
Frequency (Hz)	500	1,000	1,334	1,667	1,834
Power (kW)	1.70	3.30	3.30	2.60	2.30
Torque (Nm)	1.00	1.00	0.80	0.50	0.40
Voltage (V) (220V)	110	220	220	220	220
Current (A) (220V)	13.1	13.1	12.7	10.2	9.2
Voltage (V) (380V)	190	380	380	380	380
Current (A) (380V)	7.6	7.6	7.4	5.9	5.3



## Dimensions

