



## SPINDEX TECHNOLOGIES CO., LTD.

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### Technical Specifications for Built-In Motor-Spindle Spindle type : SYG-120

1. Spindle housing diameter (mm) and mounting:	Ø120h6 vertical or horizontal
2. Maximum speed (rpm) :	50,000rpm-(Oil/Air)
3. Nominal speed:	-----
4. Motor type:	integrated induction motor
5. Motor power S1/S6 (Kw) :	5/5.8Kw
6. Motor voltage / poles :	300v/2
7. Spindle torque at power S1/S6 (Nm):	1/1.1Nm
8. Shaft orientation Encoder (vector control):	N/A
9. Bearing type:	hybrid bearing
10. Front bearing inner diameter(mm):	Ø25mm
11. Bearing preloading :	constant springs preload
12. Bearing lubrication:	Oil/Air
13. Bearing temperature sensor :	N/A
14. Tool interface:	grinding quill (M14xP1.5)
14. Tool release :	manual
15. Motor cooling :	water with additive
16. Spindle cooling (Kcal/h) :	3,000 Kcal/h
17. Coolant through shaft :	N/A
18. Converter nominal power(KVA) :	12 KVA
19. Spindle weight :	



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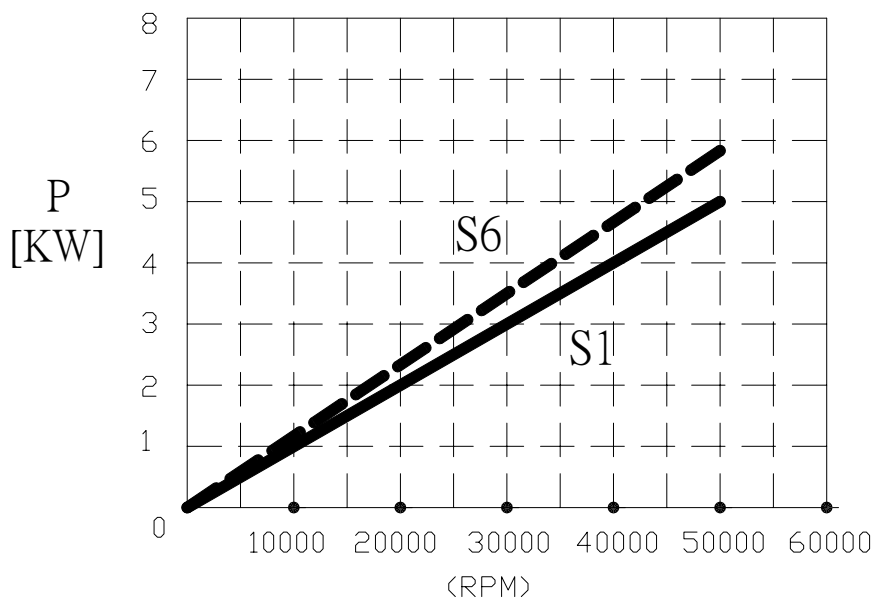
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### Power and Torque-diagram for Built-In Motor-Spindle

POWER



TORQUE

