



SPINDEX TECHNOLOGIES CO., LTD.

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Technical specification for Built-In Motor-Spindle

Spindle type : SY-60

1. Spindle housing diameter (mm) and mounting:	Ø60h6 vertical or horizontal
2. Maximum speed (rpm) :	50,000rpm - Grease
3. Nominal speed:	36,000 rpm
4. Motor type:	integrated induction motor
5. Motor power S1/S6 (Kw) :	1/1.2Kw
6. Motor voltage / poles :	210v/2
7. Spindle torque at power S1/S6(Nm):	0.28/0.0.33Nm
8. Shaft orientation Encoder (Vector control):	N/A
9. Bearing type:	hybrid bearing
10. Front bearing inner diameter(mm):	Ø20mm
11. Bearing preloading :	constant springs preload
12. Bearing lubrication:	life time grease
13. Bearing temperature sensor :	N/A
14. Tool interface:	ISO-10 (SCHAUBLIN)
15. Clamping capacity :	Ø1~8mm
16. Tool holding force(N) :	500N
17. Motor cooling :	water with additive
18. Spindle cooling (Kcal/h) :	1,000 Kcal/h
19. Coolant through shaft :	N/A
20. Converter nominal power(KVA) :	1.5 KVA
21. Spindle weight :	4Kgs



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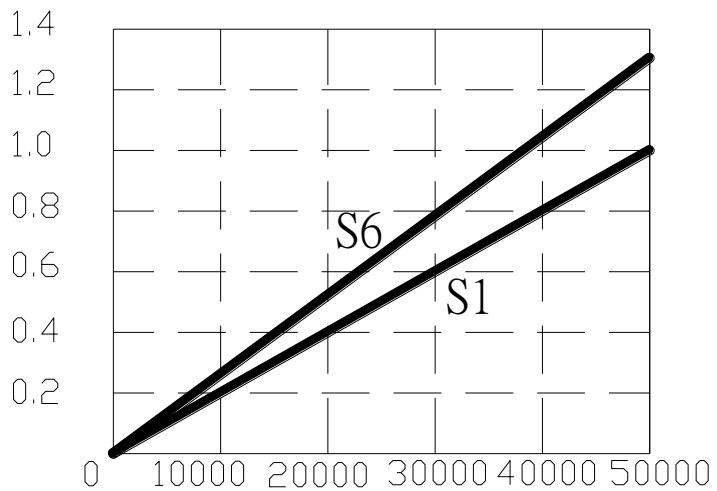
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Power and Torque-diagram for Built-In Motor-Spindle

POWER

P
[KW]



TORQUE

M
[Nm]

