



SPINDEX TECHNOLOGIES CO., LTD.

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Technical Specifications for Built-In Motor-Spindle

Spindle type : SY-100

1. Spindle housing diameter (mm) and mounting:	Ø100h6 vertical or horizontal
2. Maximum speed (rpm) :	30,000rpm-HSK-E32
3. Nominal speed:	18,000rpm
4. Motor type:	integrated Induction motor
5. Motor power S1/S6 (Kw) :	3.5/5.5Kw
6. Motor voltage / poles :	380v/2 or 220v/2
7. Spindle torque at power S1/S6(Nm):	2.3/2.9Nm
8. Shaft orientation Encoder (Vector control):	option
9. Bearing type:	hybrid bearing
10. Front bearing inner diameter(mm):	Ø35mm
11. Beating preloading :	constant springs preload
12. Bearing lubrication:	life time grease
13. Bearing temperature sensor :	sensor on the front bearing (option)
14. Tool interface:	HSK-E32 (DIN69893)
15. Clamping capacity :	Ø1~13mm
16. Tool holding force(N) :	2,000N
17. Tool release :	pneumatic (standard) 2 ATC sensors
18. Motor cooling :	water with additive
19. Spindle cooling (Kcal/h) :	2,000 Kcal/h
20. Coolant through shaft :	N/A
21. Converter nominal power(KVA) :	13 KVA
22. Spindle weight :	16Kgs



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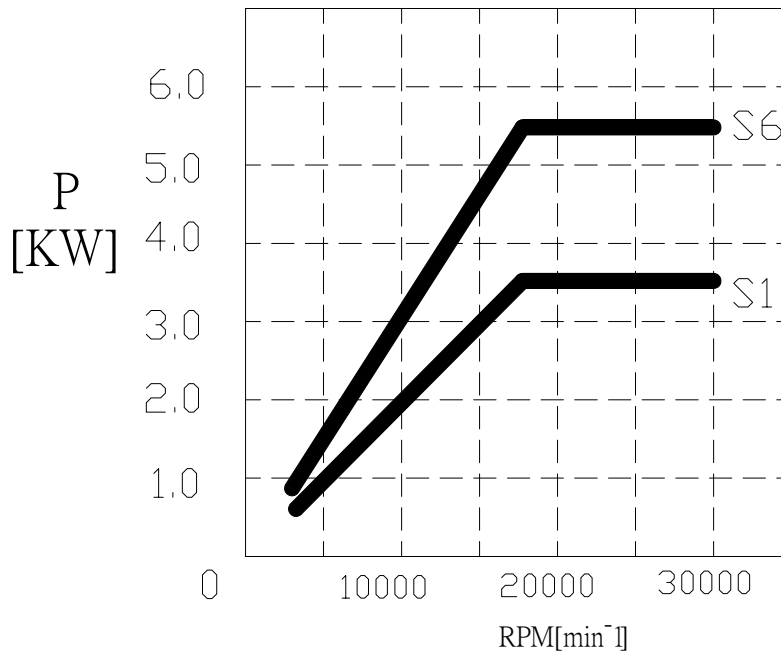
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Power and Torque-diagram for Built-In Motor-Spindle

POWER



TORQUE

