



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: | |
| 4. Motor type: | integrated induction motor |
| 5. Motor power S1/S6 (Kw) : | 1/1.3Kw |
| 6. Motor voltage / poles : | 220v/2 |
| 7. Spindle torque at power S1/S6(Nm): | 0.17/0.25Nm |
| 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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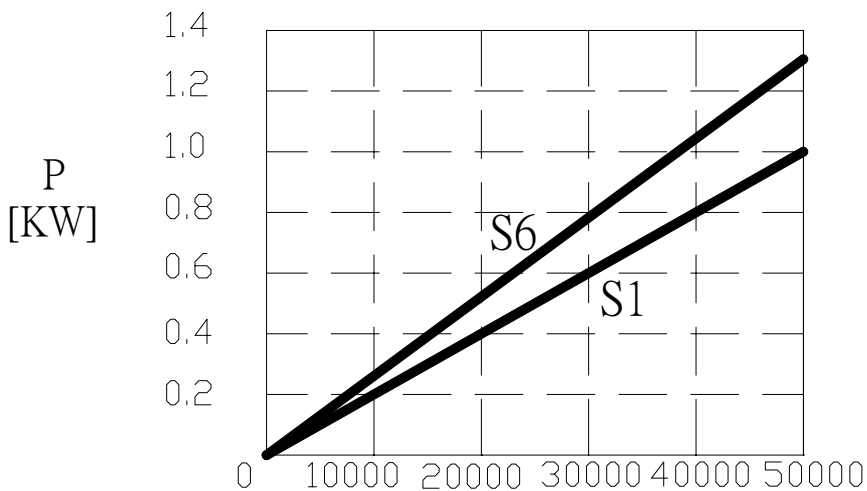
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Power and Torque-diagram for Built-In Motor-Spindle

POWER



TORQUE

