



## SPINDLEX TECHNOLOGIES CO., LTD.

No. 21, Ln. 204, Zhongxing N. ST., Sanchong Dist.,  
New Taipei City 241, Taiwan (R. O. C.)

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### Technical Specifications for Built-In Motor-Spindle Spindle type : SY-80

1. Spindle housing diameter (mm) and mounting:	Ø80h6 vertical or horizontal
2. Maximum speed (rpm) :	40,000rpm - Grease
3. Nominal speed:	-----
4. Motor type:	integrated induction motor
5. Motor power S1/S6 (Kw) :	2.5/3.3Kw
6. Motor voltage / poles :	380V/2 or 220V/2
7. Spindle torque at power S1/S6(Nm):	0.6Nm / 0.8Nm
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:	life time grease
13. Bearing temperature sensor :	N/A
14. Tool interface:	ISO-20 (SCHAUBLIN) (ER-16 or SD-10)
15. Clamping capacity :	Ø1~10mm
16. Tool holding force(N) :	800N
17. Tool release :	pneumatic (standard) +2 ATC sensors
18. Motor cooling :	water with additive
19. Spindle cooling (Kcal/h) :	1,000 Kcal/h
20. Coolant through shaft :	N/A
21. Converter nominal power(KVA) :	3.5 KVA
22. Spindle weight :	7.5Kgs



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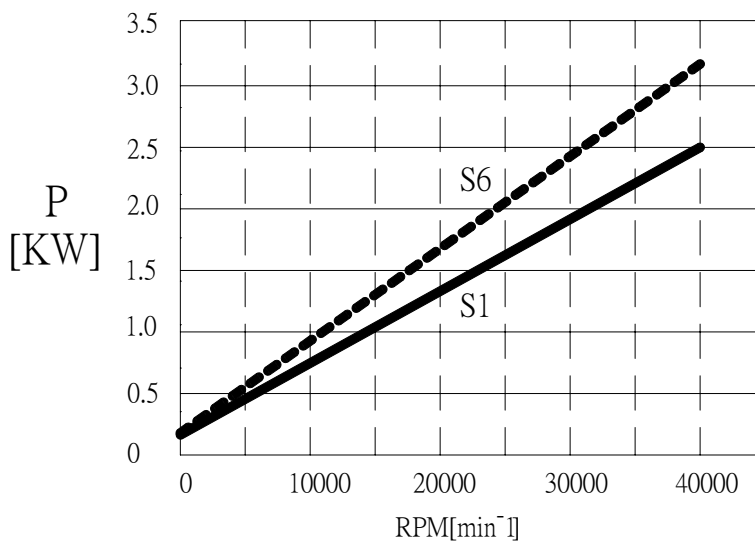
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## Spindle type : SY-80

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

POWER



TORQUE

