



SPINDLEX TECHNOLOGIES CO., LTD.

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Technical Specifications for Built-In Motor-Spindle Spindle type : SY-62(3163H)

1. Spindle housing diameter (mm) and mounting:	Ø61.91h6 vertical or horizontal
2. Maximum speed (rpm) :	60,000rpm - Grease
3. Nominal speed:	35,000 rpm
4. Motor type:	integrated induction motor
5. Motor power S1/S6 (Kw) :	1.0/1.2Kw
6. Motor voltage / poles :	210v/2
7. Spindle torque at power S1/S6(Nm):	0.28/0.33Nm
8. Shaft orientation Encoder (vector control):	N/A
9. Bearing type:	hybrid bearing
10. Front bearing inner diameter(mm):	Ø17mm
11. Bearing preloading :	constant springs preload
12. Bearing lubrication:	life time grease
13. Bearing temperature sensor :	N/A
14. Tool interface:	Collet type
15. Clamping capacity :	Ø3.175~6mm
16. Tool release :	pneumatic
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) :	2.22 KVA
21. Spindle weight :	5.5Kgs



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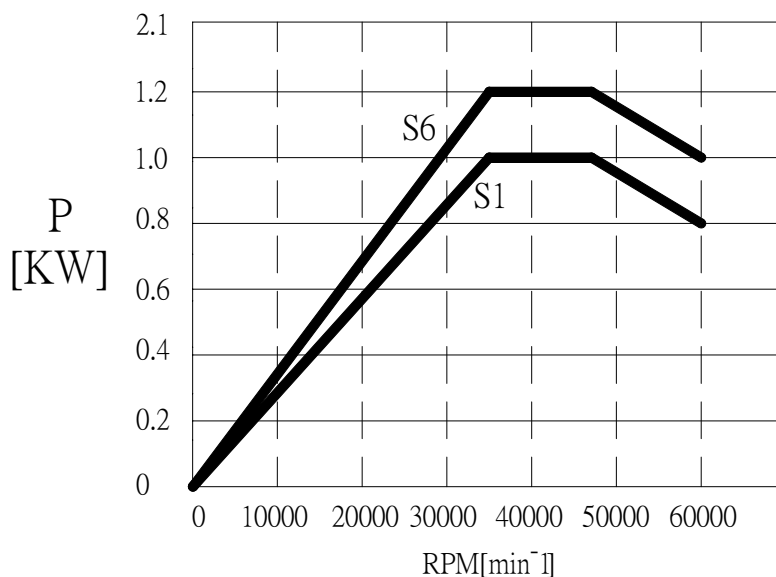
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Power and Torque-diagram for Built-In Motor-Spindle

POWER



TORQUE

