



## SPINDLEX TECHNOLOGIES CO., LTD.

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

TEL : +886-2-29950267

E-mail:[spindlex@ms34.hinet.net](mailto:spindlex@ms34.hinet.net)

FAX : +886-2-29958334

Web:<http://www.spindlex.com.tw>

### Technical Specifications for Built-In Motor-Spindle Spindle type : SY-210B

1. Spindle housing diameter (mm) and mounting:	Ø210h6 vertical or horizontal
2. Maximum speed (rpm) :	20,000rpm – HSK-A63 20,000rpm – BBT-40
3. Nominal speed:	4,000rpm
4. Motor type:	integrated induction motor
5. Motor power S1/S6 (Kw) :	27/35Kw
6. Motor voltage / poles :	350v/4
7. Spindle torque at power S1/S6(Nm):	68/90.2 Nm
8. Shaft orientation Encoder (Vector control):	mini-encoder with sinusoidal wave signal 1.0 Vpp , for vector drive and oriented spindle stop
9. Bearing type:	hybrid bearing
10. Front bearing inner diameter(mm):	Ø70mm
11. Bearing preloading :	constant springs preload
12. Bearing lubrication:	minimum quantity Oil/Air lubrication system
13. Bearing temperature sensor :	sensor on the front bearing (option)
14. Tool interface:	HSK-A63 (DIN69893) BBT-40 (JISB6340-1992 MAS-P40T-1 (45°))
15. Clamping capacity :	Ø2~25mm
16. Tool holding force(N) :	18,000N-HSK 10,500N-BBT
17. Tool release :	hydraulic (standard) 3 ATC sensors
18. Motor cooling :	water with additive
19. Spindle cooling (Kcal/h) :	6,000 Kcal/h
20. Coolant through shaft :	cooling through the center(option)
21. Converter nominal power(KVA) :	
22. Spindle weight :	105Kgs



# SPINDEX TECHNOLOGIES CO., LTD.

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

TEL : +886-2-29950267

E-mail:[spindex@ms34.hinet.net](mailto:spindex@ms34.hinet.net)

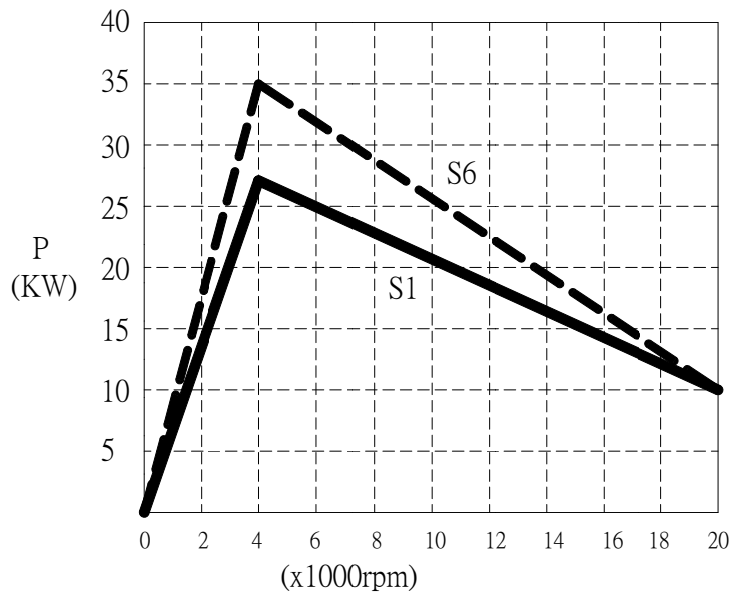
FAX : +886-2-29958334

Web:<http://www.spindex.com.tw>

## Spindle type : SY-210B

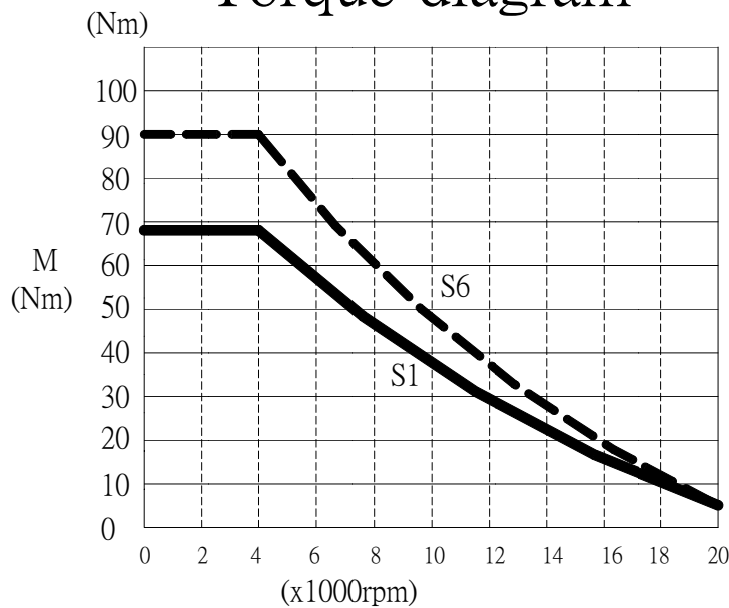
### Power and Torque-diagram for Built-In Motor-Spindle

Power



### Torque-diagram

Torque





## SPINDLEX TECHNOLOGIES CO., LTD.

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

TEL : +886-2-29950267

E-mail:[spindlex@ms34.hinet.net](mailto:spindlex@ms34.hinet.net)

FAX : +886-2-29958334

Web:<http://www.spindlex.com.tw>

---