Technical Specifications for Built-In Motor-Spindle

Spindle type: SYG-100

1. Spindle housing diameter (mm) and mounting: Ø100h6 vertical or horizontal
2. Maximum speed (rpm): 60,000rpm-(Oil/Air)
3. Nominal speed: ------------
4. Motor type: integrated induction motor
5. Motor power S1/S6 (Kw): 6.0/7.0Kw
6. Motor voltage / poles: 350v/2
7. Spindle torque at power S1/S6 (Nm): 1.0/1.1Nm
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: Oil/Air
13. Bearing temperature sensor: N/A
14. Tool interface: grinding quill (M14xP1.5)
15. Tool release: manual
16. Motor cooling: water with additive
17. Spindle cooling (Kcal/h): 2,000 Kcal/h
18. Coolant through shaft: N/A
19. Converter nominal power(KVA): 
20. Spindle weight: 
Spindle type : SYG-100

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

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