

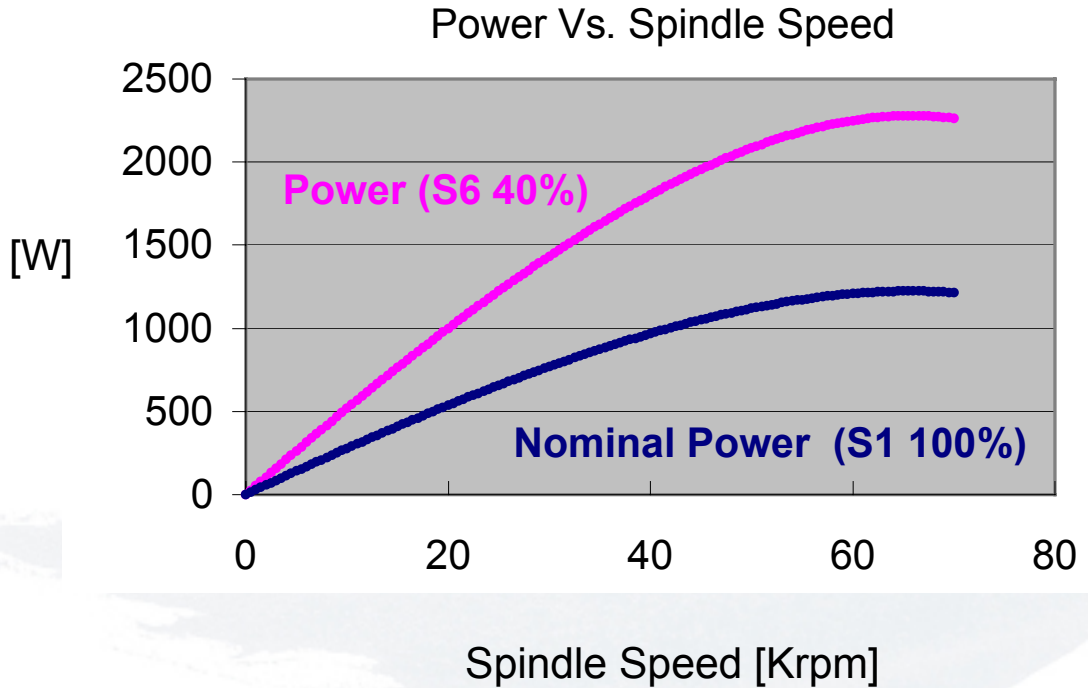
## Technical Specifications for Colibri - Motor Spindles:

### ZAL: HF 80 L 2 D 60

- ◆ Speed Range : Up to 60,000 rpm
- ◆ Continuous power : 1200 W (S6 40% 2250 W)
- ◆ Peak Power : 8600 W
- ◆ Torque (S1) : 0.2 Nm at 60,000 rpm (S6 40% 0.35 Nm)
- ◆ Peak Torque : 2.1 Nm
- ◆ Stiffness : Radial 9 N/μm, axial 8 N/μm → static
- ◆ Load Capacity : Radial 60 N, axial 100 N → static
- ◆ Noise Level : Less then 75 db (A)
- ◆ Air Pressure : 5-7 bar
- ◆ Air Consumption : 40-60 Lpm
- ◆ Tool Holding : Dorn \ Collet
- ◆ Tool diameter : Up to 5 [mm]
- ◆ Tool release : Manual
- ◆ Guarantee : 24 month
- ◆ Cooling System : Water cooling, (3.5 Lpm max at 5 bar)
- ◆ Run-out Radial : 0.2 – 0.5 μm
- ◆ Run-out Axial : 0.2 – 0.5 μm
- ◆ Spindle Weight : 7 Kg
- ◆ Spindle connections :
  - 2 quick release connectors for the air system
  - 2 quick release connectors for the water cooling system
  - Power cable – D type 15 pin length 1.25 [m]
  - Signal cable – D type 9 pin plug + plastic socket with 2 pins for thermistor, length 1.25 [m]
- ◆ Spindle Connections (Optional) : Brushes control system
  - 2 quick release connectors for Brushes control system
  - Brushes Cable - a mini UHP + a plastic 2 pins onlet

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POWER



TORQUE

