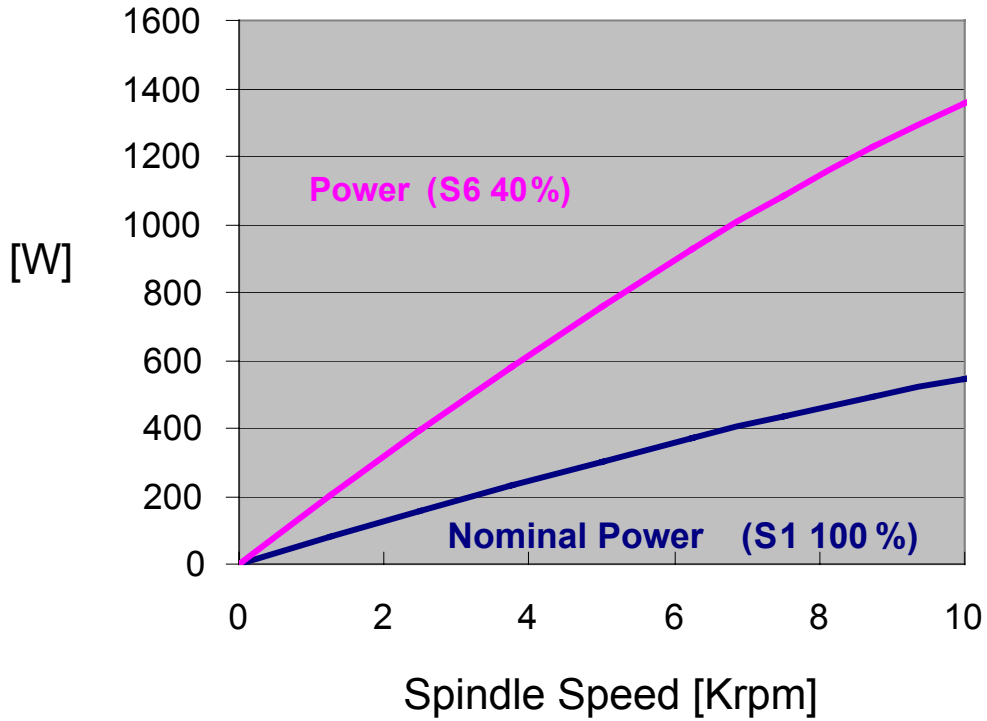


Technical Specifications for Colibri - Motor Spindles: **BER: HF 120 LVD 10**

- ◆ Speed range : 2,000 to 10,000 rpm (12,000 rpm no load speed)
- ◆ Optimal working speed at : 10,000 rpm
- ◆ Peak Power : 550 W
- ◆ Torque (S1) : 0.5 Nm at 10,000 rpm, (S6 40% 1.3 Nm)
- ◆ Peak Torque : 7.9 Nm
- ◆ Stiffness : Radial 10 N/μm, axial 7 N/μm → static
- ◆ Load Capacity : Radial 75 N, axial 100 N → static
- ◆ Noise Level : Less than 75 db (A)
- ◆ Air Pressure : 5-6 bar
- ◆ Air Consumption : 40-55 lpm
- ◆ Tool Holding : Flat shaft
- ◆ Tool release : Manual
- ◆ Mounting : Horizontal to Vertical, any Position
- ◆ Motor technology : DC - Blushless
- ◆ Guarantee : 24 month
- ◆ Cooling System : Water cooling / Air cooling / Still Air
- ◆ Run-out Radial : 0.2 – 0.5 μm
- ◆ Run-out Axial : 0.2 – 0.5 μm
- ◆ Spindle Weight : 12 Kg
- ◆ Spindle connections :
 - 2 quick release connectors for the air system
 - Optional: 2 quick release connectors for the water\air 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]
 - Optional: 3-5 m extension cable

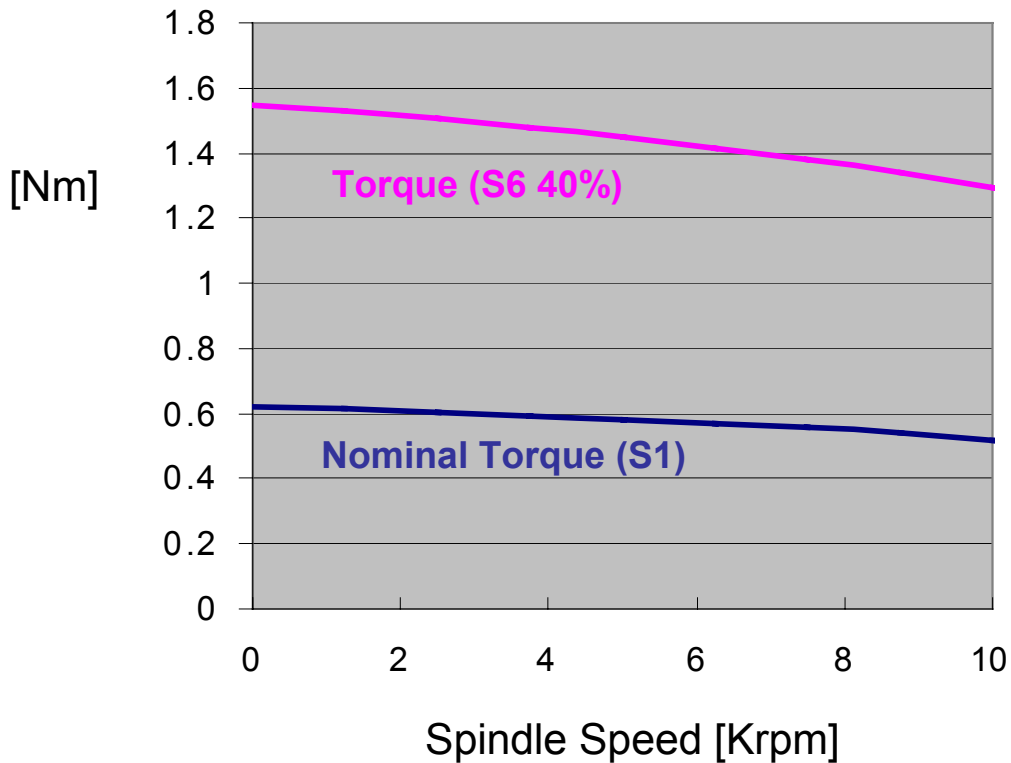
Power vs . Spindle Speed

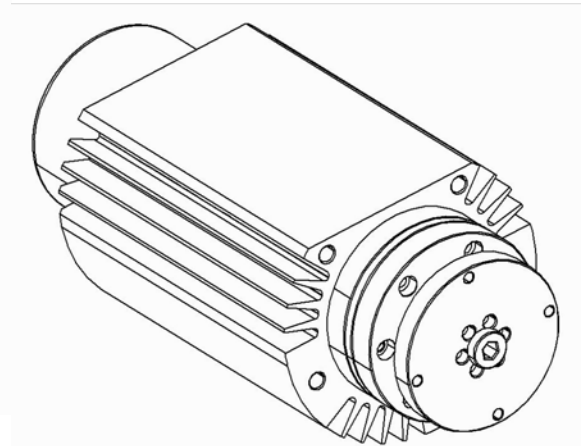
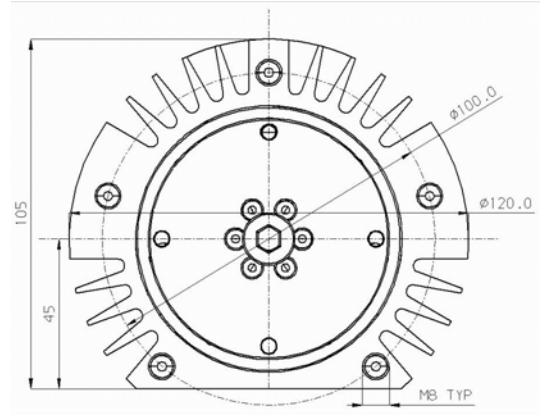
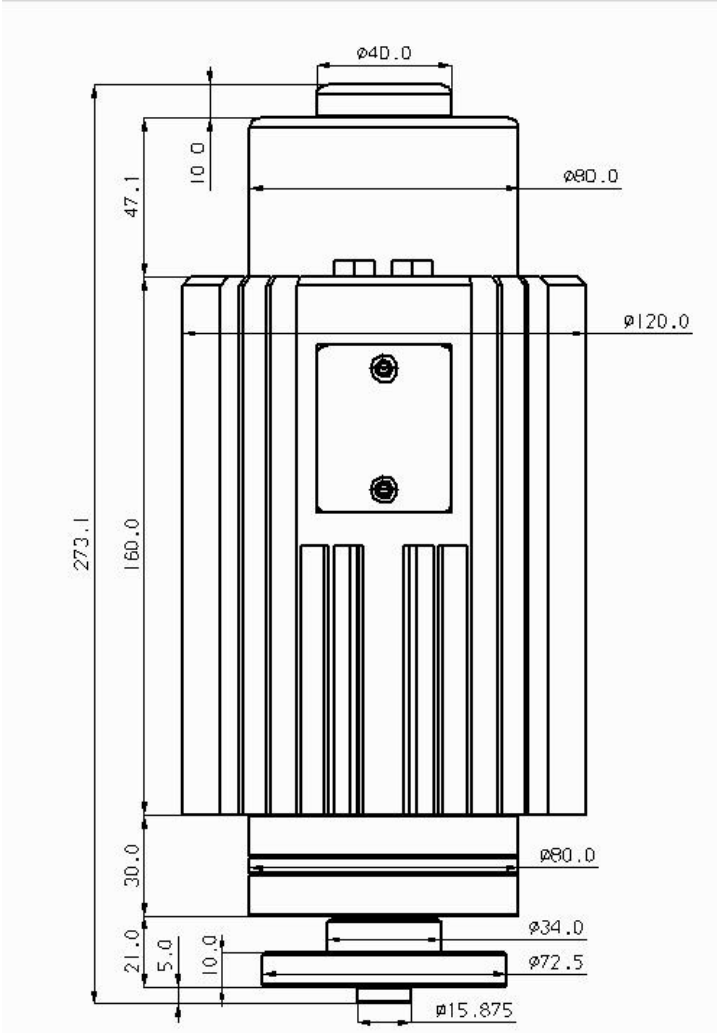
POWER



Torque vs . Spindle Speed

TORQUE





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