

## Technical Specifications for Colibri - Motor Spindles:

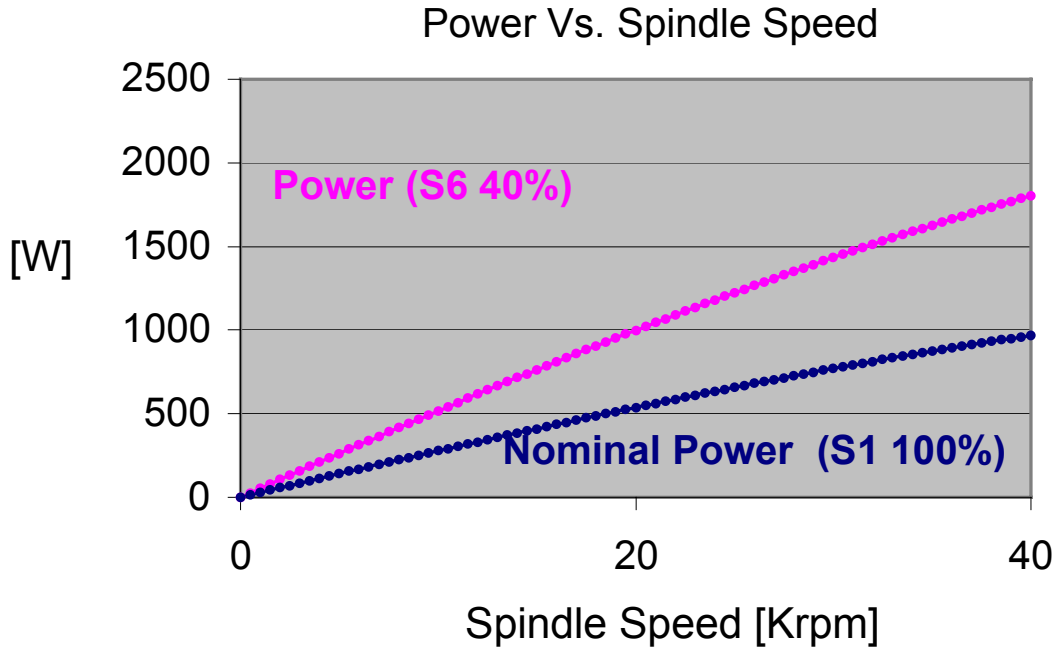
### KAR: HF 80 L 5 D 30

- ◆ Speed range : Up to 30,000 rpm
- ◆ Continuous power : 750 W (S6 40% 1450 W)
- ◆ Peak Power : 5400 W
- ◆ Torque (S1) : 0.25 Nm at 30,000 rpm (S6 40% 0.45 Nm)
- ◆ Peak Torque : 2.1 Nm
- ◆ Stiffness : Radial 2 N/ $\mu$ m, axial 5 N/ $\mu$ m  $\rightarrow$  static
- ◆ Load Capacity : Radial 30 N, axial 100 N  $\rightarrow$  static
- ◆ Noise Level : Less then 75 db (A)
- ◆ Air Pressure : 5-7 bar
- ◆ Air Consumption : 30-50 Lpm
- ◆ Tool Holding : Dorn \ Collet
- ◆ Tool diameter : Up to 6 [mm]
- ◆ Tool release : Manual
- ◆ Guarantee : 24 month
- ◆ Run-out Radial : 0.2 – 0.5  $\mu$ m
- ◆ Run-out Axial : 0.2 – 0.5  $\mu$ m
- ◆ Spindle Weight : 3.1 Kg
- ◆ Spindle connections :
  - 3 quick release connectors for the air system
  - Power and signal cable – Round type cable length 1.25 [m]

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## Power- and Torque-diagram for Colibri - Motor Spindles:

POWER



TORQUE

