



F80-M530.05 K02S5R

Manual taper change

Item no. **10205019**

HF-Spindle for high-speed milling, -grinding, -drilling, -engraving

Bearings

Hybrid ball bearing (pcs)	4
Lifetime lubricated	maintenance free

Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.000 Hz
Motor poles (pairs)	2
Rated rotation speed	30.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

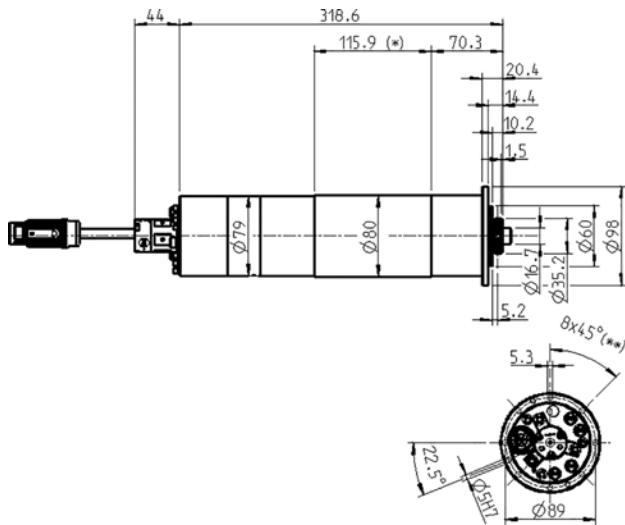
Power values

Liquid cooled

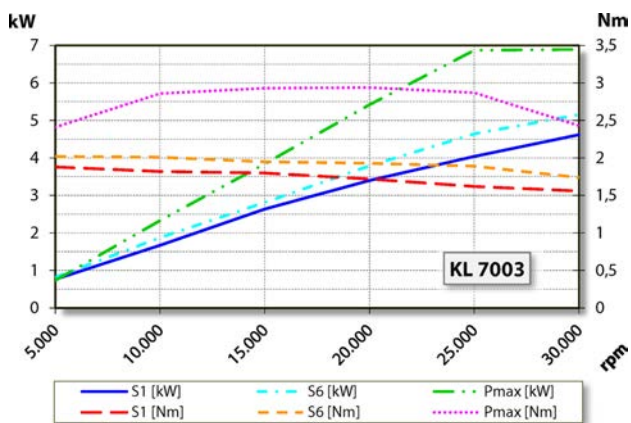
	Pmax./5s	S6-60%	S1-100%	
Rated power	6,9	5,2	4,6	[kW]
Torque	2,94	2,02	1,88	[Nm]
Voltage	351	354	366	[V]
Current	16	11	10	[A]

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Dimensions



Performance Diagram
Liquid cooled

Measurement of power is funded by in-house testing.

Characteristics

Speed sensor	Differential magneto resistor (TTL) Number of signals = 6
Motor protection	PTC 160°C
Housing	Stainless steel
Housing diameter	80 mm
Flange diameter	98 mm
Pitch circle	dia. 89 mm (8 x $\varnothing 5.3$) for screws: M5
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Internal coolant supply	< 80 bar
Internal coolant supply	< 10 l/min
Tool change	Manual taper change
Tool Holder	HSK-C 32
Clamping range up to	13 mm
Clockwise and anticlockwise	
Coupler plug	9-pin (SpeedTEC) Cable length 0,2 m
Weight	~ 8 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ