



Z100-H540.108 S3AW2

Pneumatic taper change

Item no. **10405013-04**

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	1.334 Hz
Motor poles (pairs)	2
Rated rotation speed	40.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

Power values

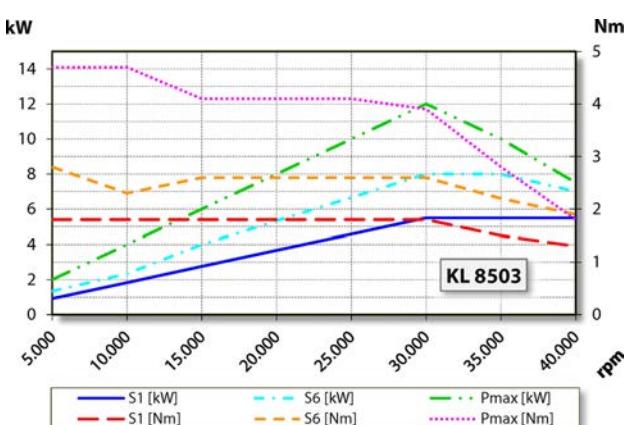
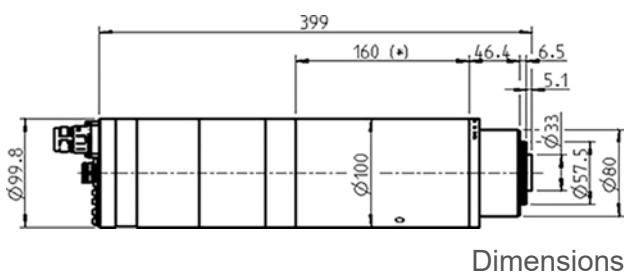
Liquid cooled

	Pmax./5s	S6-60%	S1-100%	
Rated power	12	8	5,5	[kW]
Torque	4,7	2,8	1,8	[Nm]
Voltage	380	380	380	[V]
Current	28	19	14,5	[A]

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Performance Diagram

Measurement of power is funded by in-house testing.

Characteristics

Speed sensor	Differential magneto resistor (TTL)
	Number of signals = 6
Motor protection	PTC 150°C Pt1000
Housing	Stainless steel
Housing diameter	100 / 80 mm
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Taper cleaning	
ESD protection	
Tool change	Pneumatic taper change
Tool Holder	HSK-E 32
Tool change monitoring	inductive
3 positions	clamped, unclamped, ejected
Clamping range up to	13 mm
Clockwise and anticlockwise	
Coupler plug	8-pin (SpeedTEC) (motor phases) 12-pin (ECTA 133) (sensors)
Weight	~ 13,5 kg
Inner taper run out	< 1 µ
Axial run-out	< 1 µ