



## Z100-H542.08 S3W2V

### Pneumatic taper change

Item no. **10405013-02**

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	1.400 Hz
Motor poles (pairs)	2
Rated rotation speed	42.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

### Power values

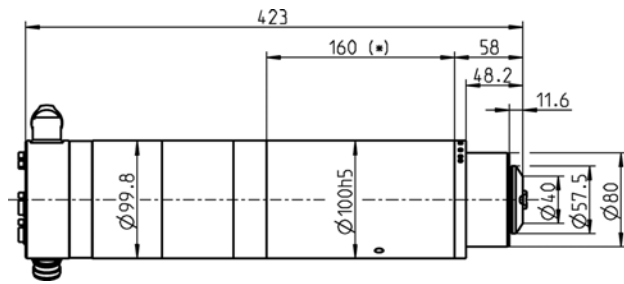
#### Liquid cooled

	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]

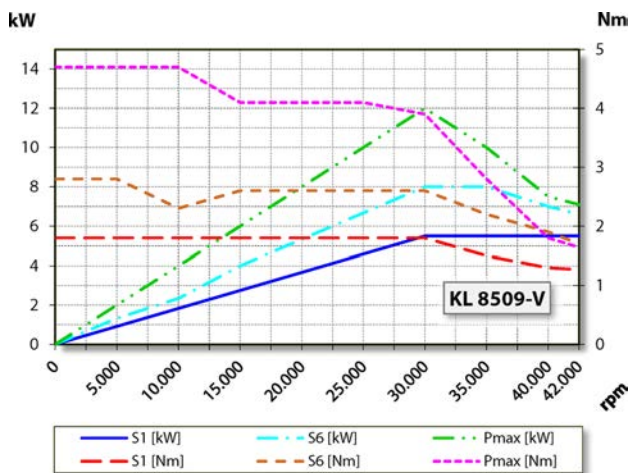
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Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

## Characteristics

Speed sensor	Vector control
Toothed wheel	Teeth = 164 Module = 0,3
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	
Tool change	Pneumatic taper change
Tool Holder	HSK-E 32 + HSK-F 40
Tool change monitoring	inductive
3 positions	clamped, unclamped, ejected
Clamping range up to	13 mm
Clockwise and anticlockwise	
	9-pin (SpeedTEC) (motor phases)
Coupler plug	12-pin (ECTA 133) 17-pin (sensors)
Weight	~ 16 kg
Inner taper run out	< 1 µ
Axial run-out	< 1 µ