



Z80-H528.08 S5VW3

Pneumatic taper change

Item no. **10405047-08**

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	933 Hz
Motor poles (pairs)	2
Rated rotation speed	28.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

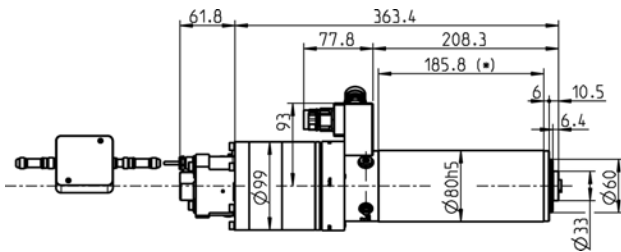
Power values

Liquid cooled

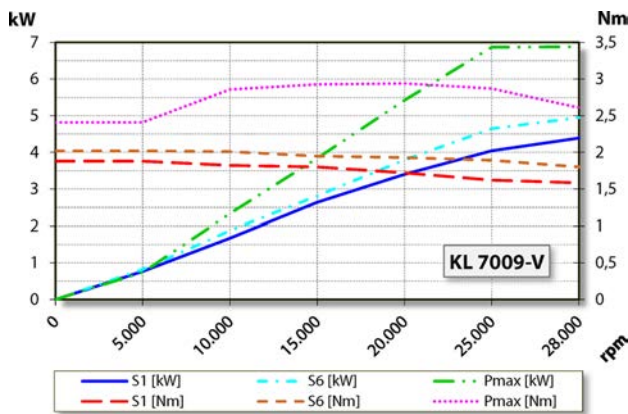
	Pmax./5s	S6-60%	S1-100%	
Rated power	6,9	4,9	4,4	[kW]
Torque	2,94	2,02	1,88	[Nm]
Voltage	351	354	366	[V]
Current	16	11	10	[A]

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Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

Characteristics

Speed sensor	Vector control
Toothed wheel	Teeth = 110 Module = 0,3
Motor protection	Pt1000
Housing	Stainless steel
Housing diameter	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
Tool change monitoring	inductive
3 positions	clamped, unclamped, ejected
Clamping range up to	13 mm
Clockwise and anticlockwise	
Coupler plug	9-pin (SpeedTEC) (motor phases) 17-pin (sensors)
Weight	~ 12 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ