



Z80-D460.02 S5A

Pneumatic direct change

Item no. **10304014**

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

Bearings

Hybrid ball bearing (pcs)	2
Lifetime lubricated	maintenance free

Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.000 Hz
Motor poles (pairs)	1
Rated rotation speed	60.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

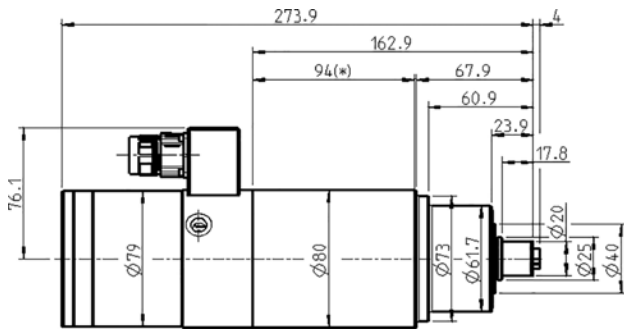
Power values

Liquid cooled

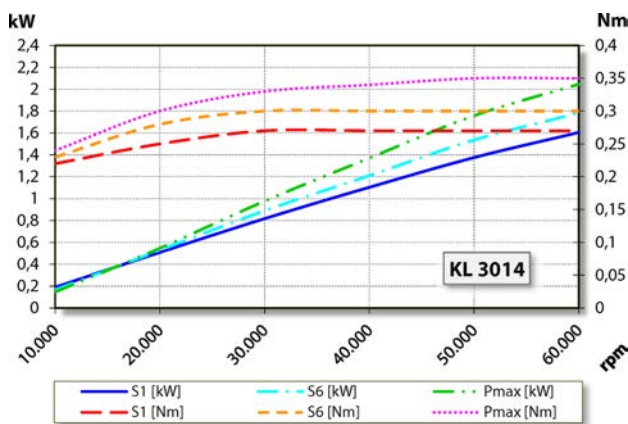
	Pmax./5s	S6-60%	S1-100%	
Rated power	2	1,8	1,6	[kW]
Torque	0,35	0,3	0,27	[Nm]
Voltage	198	198	199	[V]
Current	10	8,5	7,5	[A]

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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 / 62 mm
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
ESD protection	
Tool change	Pneumatic direct change
Collet type	10/5°
Clamping range up to	8 mm
Clockwise	
Coupler plug	9-pin (SpeedTEC)
Weight	~ 6,1 kg
Inner taper run out	< 1 μ