



## Z80-M445.06 S5

### Manual taper change

Item no. **10204046**

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

### Bearings

Hybrid ball bearing (pcs)	3
Lifetime lubricated	maintenance free

### Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.500 Hz
Motor poles (pairs)	2
Rated rotation speed	45.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

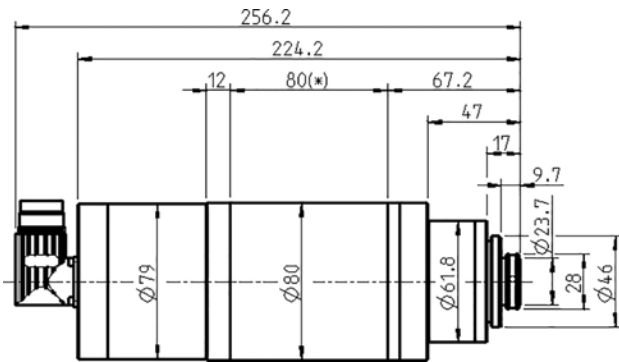
### Power values

Liquid cooled

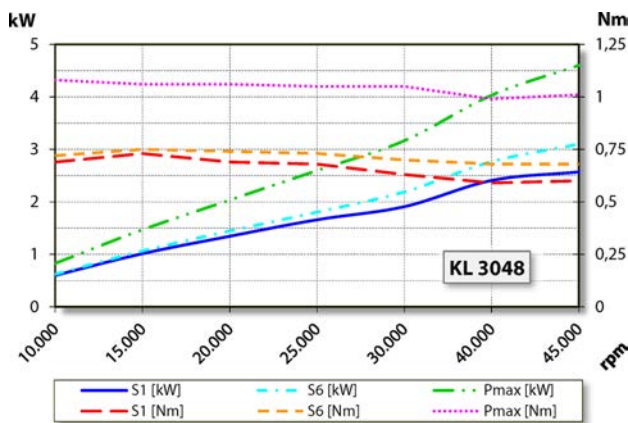
	Pmax./5s	S6-60%	S1-100%	
Rated power	4,6	3,1	2,6	[kW]
Torque	1,08	0,75	0,73	[Nm]
Voltage	320	280	275	[V]
Current	16	11	10	[A]

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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 / 62 mm
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Tool change	Manual taper change
Tool Holder	HSK-C 25
Clamping range up to	10 mm
Clockwise and anticlockwise	
Coupler plug	9-pin (SpeedTEC)
Weight	~ 4,2 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ