



Z80-H445.06 S19W2/2

Pneumatic taper change

Item no. **10404066**

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

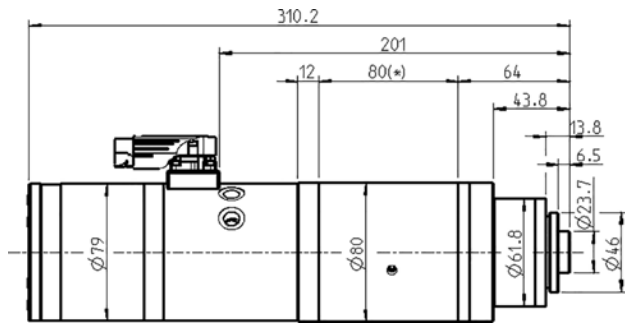
Liquid cooled

	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]

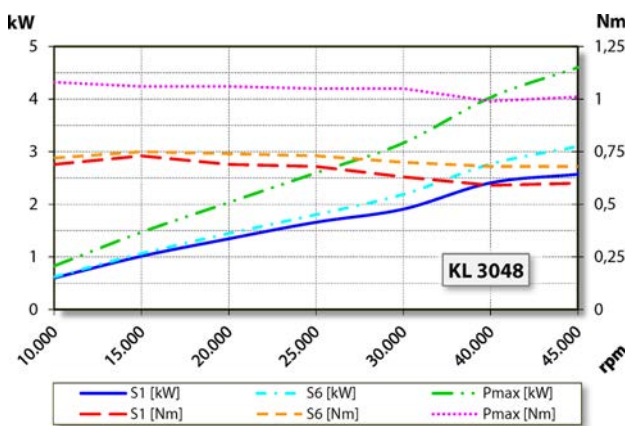
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Dimensions



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 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 25
Tool change monitoring	inductive
2 positions	clamped, ejected
Clamping range up to	10 mm
Clockwise and anticlockwise	
Coupler plug	Y-TEC 9-pin (motor phases) 12-pin (sensors)
Weight	~ 6 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ