



Z80-M450.61 S5

Manual tool change

Item no. **10204049**

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	833 Hz
Motor poles (pairs)	1
Rated rotation speed	50.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

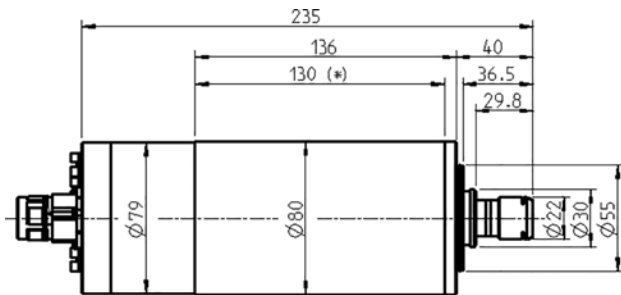
Power values

Liquid cooled

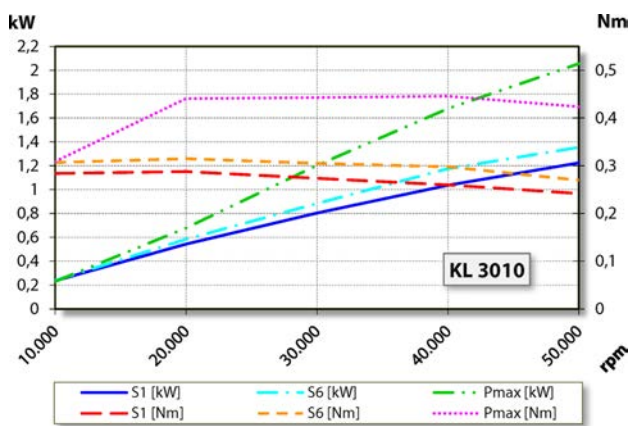
	Pmax./5s	S6-60%	S1-100%	
Rated power	2,1	1,4	1,2	[kW]
Torque	0,446	0,315	0,288	[Nm]
Voltage	198	199	199	[V]
Current	11	7,7	7	[A]

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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
Tool change	Manual tool change
Collet type	ER 16 Optional accessories
Clamping range up to	10 mm (25/64")
Rotation	Clockwise
Coupler plug	9-pin (SpeedTEC)
Weight	~ 4,6 kg
Inner taper run out	< 1 μ