



## Z80-K450.102 S3

### Pneumatic taper change

Item no. **10404239**

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

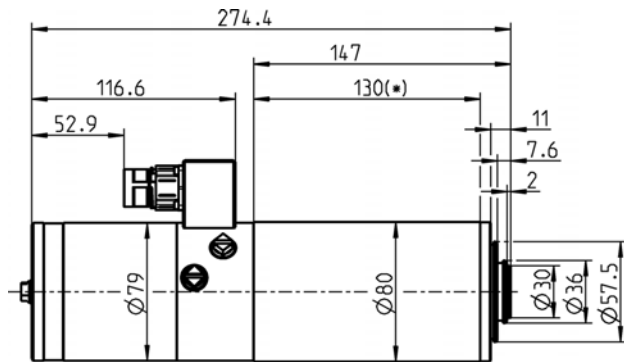
#### Power values

Liquid cooled

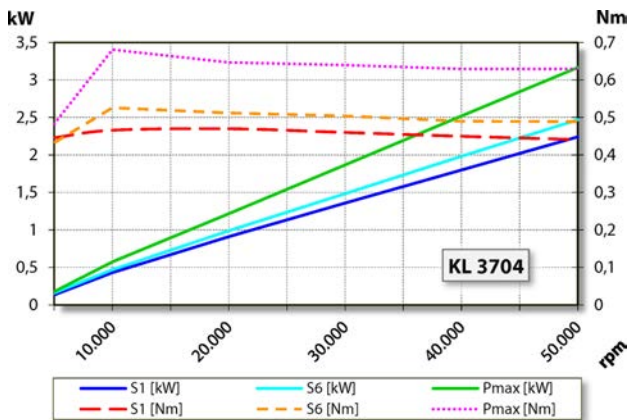
	Pmax./5s	S6-60%	S1-100%	
Rated power	3,2	2,5	2,3	[kW]
Torque	0,68	0,53	0,47	[Nm]
Voltage	167	167	167	[V]
Current	15,9	12,9	12	[A]

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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 130°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	WK 19
Collet type	D8
	Optional accessories
Clamping range up to	8 mm (5/16")
Clockwise	
Coupler plug	8-pin (SpeedTEC)
Weight	~ 5,3 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ