

## Z80-K450.02 S5

### Pneumatic taper change

Item no. **10404139-A**

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	1.667 Hz
Motor poles (pairs)	2
Rated rotation speed	50.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

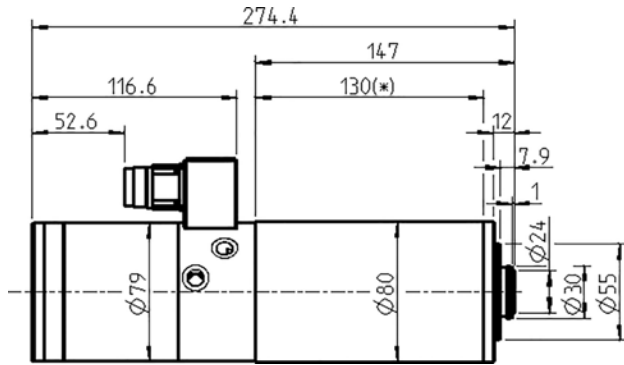
#### Power values

Liquid cooled

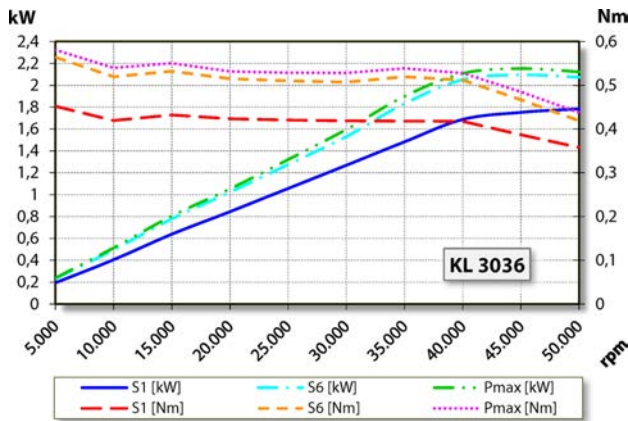
	Pmax./5s	S6-60%	S1-100%	
Rated power	2,1	2	1,8	[kW]
Torque	0,581	0,564	0,452	[Nm]
Voltage	213	212	209	[V]
Current	8,9	8,7	7,5	[A]

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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 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	ER 11 / D 8 Optional accessories
Clamping range up to	7 mm (9/32")
Clockwise and anticlockwise	
Coupler plug	9-pin (SpeedTEC)
Weight	~ 5,3 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ