

Z80-K440.21 S5A ER16 vs/IP

Pneumatic taper change

Item no. **10404150**

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

Bearings

Hybrid ball bearing (pcs)	4
Lifetime lubricated	maintenance free

Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.333 Hz
Motor poles (pairs)	2
Rated rotation speed	40.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

Power values

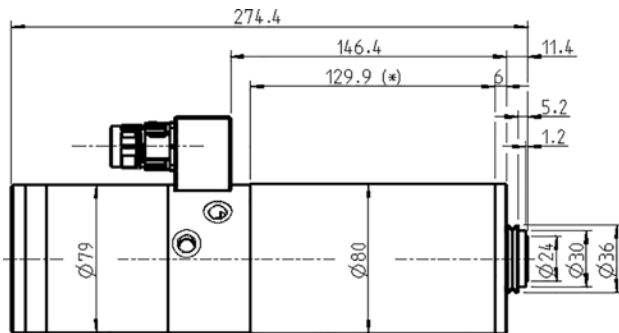
Liquid cooled

	Pmax./5s	S6-60%	S1-100%	
Rated power	5,8	3	2,6	[kW]
Torque	1,43	0,82	0,67	[Nm]
Voltage	330	270	260	[V]
Current	19	11	10	[A]

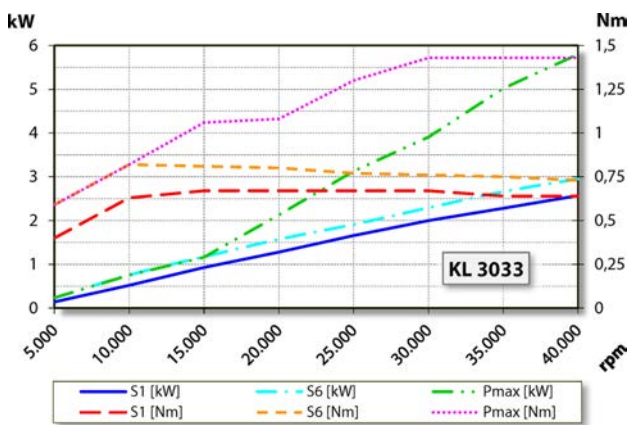
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Dimensions



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)	IP65
Taper cleaning	
ESD protection	
Tool change	Pneumatic taper change
Tool Holder	WK 19
Collet type	ER 16
Clamping range up to	10 mm (25/64")
Clockwise	
Coupler plug	9-pin (SpeedTEC)
Weight	~ 5,8 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ