



Z80-K440.54.1 S4W2IP

Pneumatic taper change

Item no. **10404146**

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)

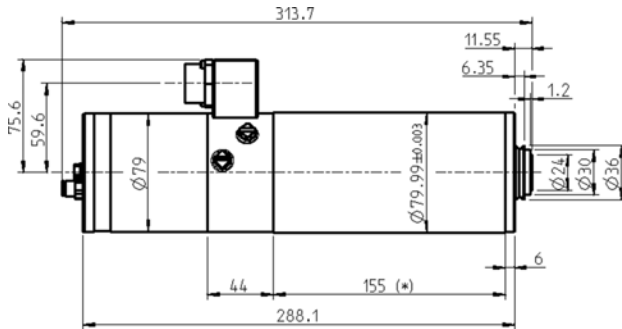
Power values

Liquid cooled

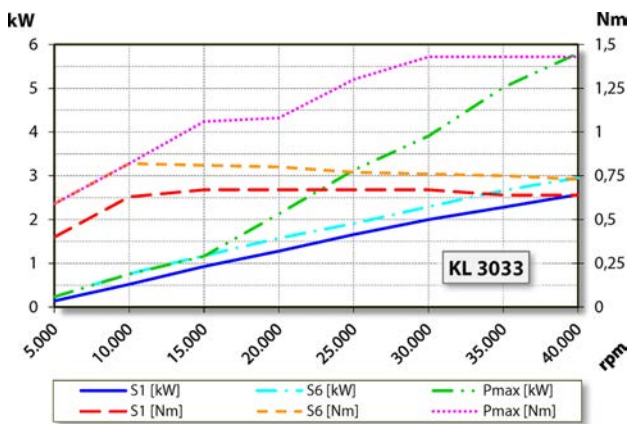
	Pmax./5s	S6-60%	S1-100%	
Rated power	5,8	3	2,6	[kW]
Torque	1,43	0,82	0,67	[Nm]
Voltage	330	270	260	[V]
Current	19	11	10	[A]

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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	Pt1000
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	
Tool change	Pneumatic taper change
Tool Holder	WK 19
Tool change monitoring	inductive
1 position	clamped
Collet type	ER 16 / D 10
	Optional accessories
Clamping range up to	10 mm (25/64")
Clockwise	
Coupler plug	9-pin plastic
Weight	~ 6 kg
Inner taper run out	< 1 µ
Axial run-out	< 1 µ