



Z33-D080.01 S1

Pneumatic direct change

Item no. **10301164**

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	1.333 Hz
Motor poles (pairs)	1
Rated rotation speed	80.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

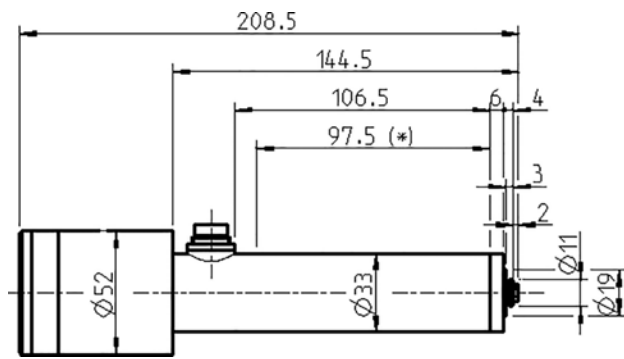
Power values

Uncooled

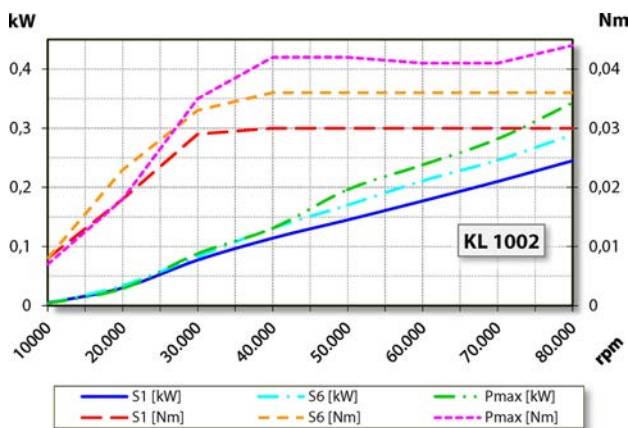
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,34	0,3	0,24	[kW]
Torque	0,044	0,036	0,03	[Nm]
Voltage	49	47	45	[V]
Current	6,6	6	5,3	[A]

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Dimensions



Performance Diagram

Uncooled

Measurement of power is funded by in-house testing.

Characteristics

Housing	Aluminium
Housing diameter	33 mm
Cooling	Uncooled
Heat dissipation	Via the spindle holder
Housing temperature	< + 45° C
Ambient temperature	+ 10°C ... + 45°C
Protection category	IP43
Tool change	Pneumatic direct change
Collet type	5,5P-10°
Clamping range up to	3 mm (1/8")
	Clockwise
Coupler plug	3-pin (Amphenol C 091 A)
Weight	~ 0,8 kg
Inner taper run out	< 1 μ