



Z42-D160.18 S2.1A

Pneumatic direct change

Item no. **10301071**

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	1.000 Hz
Motor poles (pairs)	1
Rated rotation speed	60.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

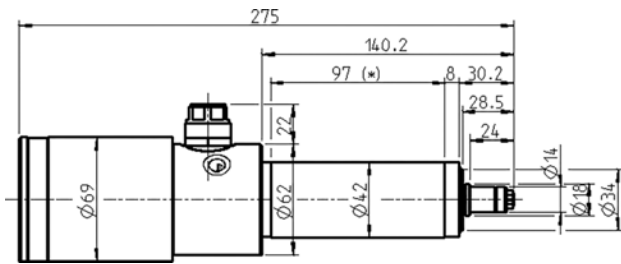
Power values

Uncooled

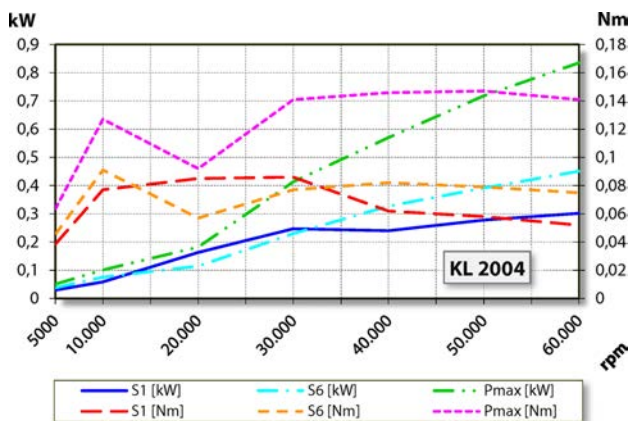
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,8	0,5	0,3	[kW]
Torque	0,147	0,091	0,086	[Nm]
Voltage	93	78	54	[V]
Current	8,4	5,3	5,5	[A]

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Dimensions



Performance Diagram

Uncooled

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	Aluminium
Housing diameter	42 mm
Cooling	Uncooled
Heat dissipation	Via the spindle holder
Housing temperature	< + 45°C
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
ESD protection	
Tool change	Pneumatic direct change
Collet type	8/5°
Clamping range up to	6 mm (1/4")
Clockwise	
Coupler plug	7-pin plastic
Weight	~ 2,2 kg
Inner taper run out	< 1 µ