



Z33-D1100.57 S21

Pneumatic direct change

Item no. **15301103**

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

Bearings

Hybrid ball bearing (pcs)	3
Lifetime lubricated	maintenance free

Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.667 Hz
Motor poles (pairs)	1
Rated rotation speed	100.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

Power values

Spindle holder cooled

	Pmax./5s	S6-60%	S1-100%	
Rated power	0,75	0,65	0,51	[kW]
Torque	0,11	0,09	0,083	[Nm]
Voltage	71	71	66	[V]
Current	13,6	11	10,2	[A]

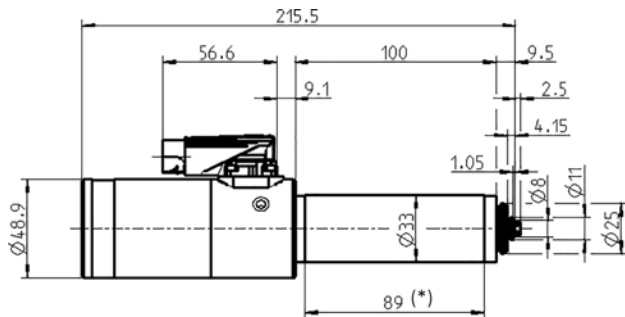
Power values

Compressed air cooled

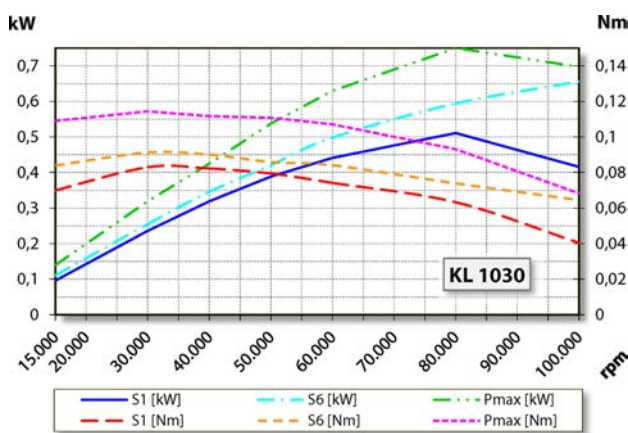
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,42	0,33	0,22	[kW]
Torque	0,111	0,074	0,055	[Nm]
Voltage	36	36	36	[V]
Current	13,7	9,6	7,5	[A]

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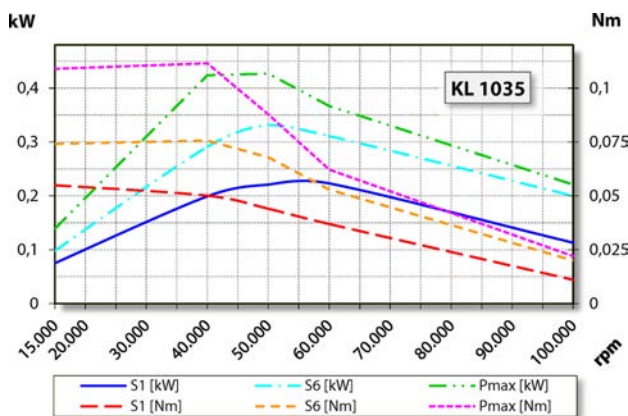
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Dimensions



Performance Diagram
Spindle holder cooled



Performance Diagram
Compressed air cooled

Measurement of power is funded by in-house testing.

Characteristics

Housing	Stainless steel
Housing diameter	33 mm
Cooling	Compressed air cooled
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
Tool change	Pneumatic direct change
Collet type	5,1P-5°
Clamping range up to	4 mm
Clockwise	
Coupler plug	9-pin (I-TEC)
Weight	~ 1,2 kg
Inner taper run out	< 1 μ