



## Z33-M0120.04 K2S15

### Manual tool change

Item no. **15201235**

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	2.000 Hz
Motor poles (pairs)	1
Rated rotation speed	120.000 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	0,32	0,31	0,3	[kW]
Torque	0,065	0,063	0,061	[Nm]
Voltage	34	34	34	[V]
Current	10	9,8	9,5	[A]

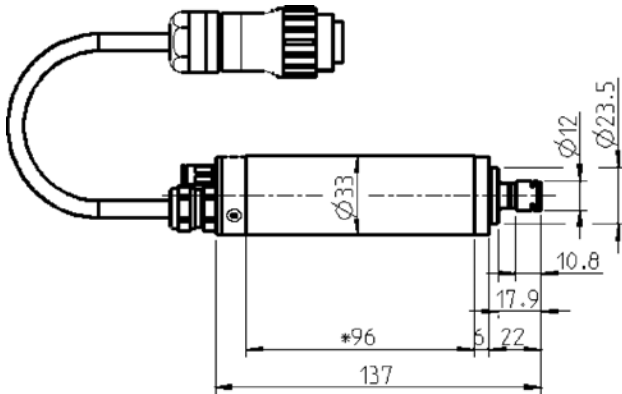
### Power values

#### Compressed air cooled

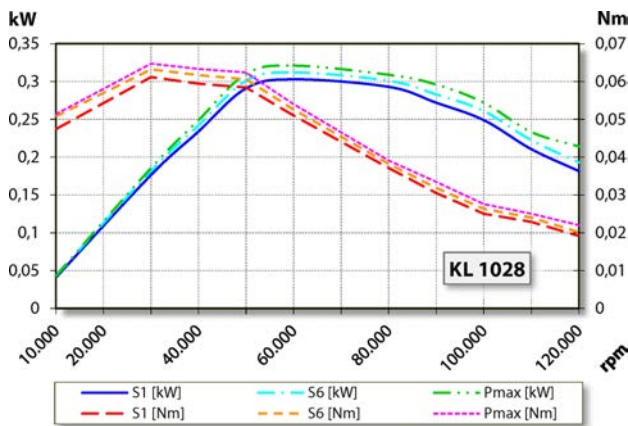
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,25	0,24	0,2	[kW]
Torque	0,039	0,038	0,033	[Nm]
Voltage	32	32	32	[V]
Current	8,2	7,7	6,9	[A]

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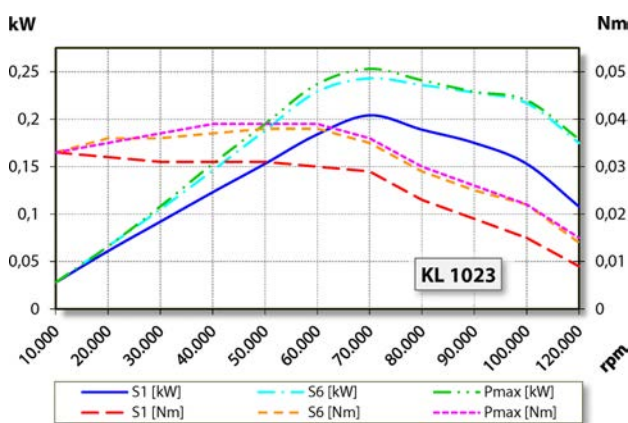


Dimensions



Performance Diagram

Spindle holder cooled



Performance Diagram

Compressed air cooled

Measurement of power is funded by in-house testing.

**Characteristics**

Motor protection	PTC 100°C
Housing	Aluminium
Housing diameter	33 mm
Cooling	Compressed air cooled
Heat dissipation	Via the spindle holder
Housing temperature	< + 55° C
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Tool change	Manual tool change
Collet type	ER 8
	Optional accessories
Clamping range up to	5 mm (13/64")
Clockwise	
Coupler plug	7-pin plastic
	Cable length 2 m
Weight	~ 0,5 kg
Inner taper run out	< 1 μ