



DentaDrive S 60-3 S21

Pneumatic direct change

Item no. **133BB023**

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

Bearings

Steel ball bearing (pcs)	3
Lifetime lubricated	maintenance free

Motor

Motor technology	3-phase synchronous 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

Spindle holder cooled

	Pmax./5s	S6-60%	S1-100%	
Rated power	0,91	0,76	0,71	[kW]
Torque	0,149	0,126	0,119	[Nm]
Voltage	51	52	48	[V]
Current	15	13,1	12,5	[A]

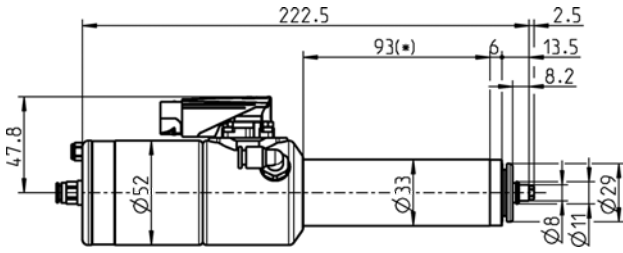
Power values

Uncooled

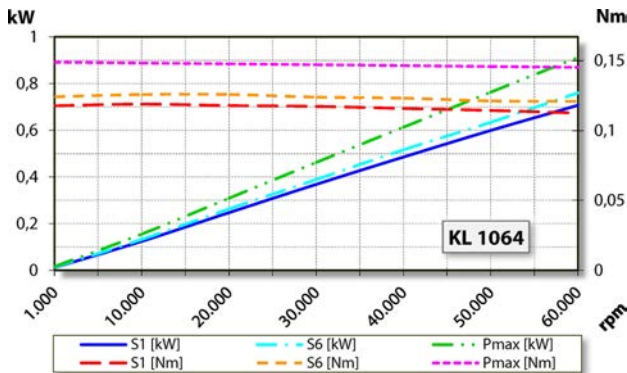
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,65	0,52	0,38	[kW]
Torque	0,108	0,085	0,068	[Nm]
Voltage	45	42	40	[V]
Current	11,9	9,6	7,6	[A]

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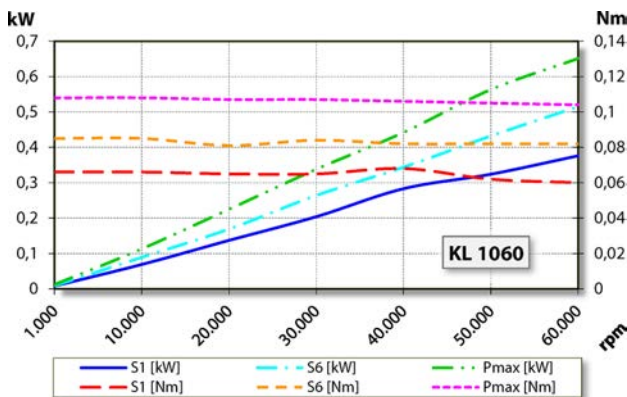
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Dimensions



Performance Diagram
Spindle holder cooled



Performance Diagram
Uncooled

Measurement of power is funded by in-house testing.

Characteristics

Motor protection	PTC 100°C or Pt1000 Optional accessory
Housing	Stainless steel/aluminium
Housing diameter	33 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
Taper cleaning/blow air	Optional accessories
ESD protection	Optional accessories
Tool change	Pneumatic direct change
Collet type	5,1P-5° Optional accessories
Clamping range up to	4 mm
Clockwise	
Coupler plug	9-pin (I-TEC)
Weight	~ 1,2 kg
Inner taper run out	< 1 μ