



DentaDrive 100V-3 S21

Pneumatic direct change

Item no. **153FH023**

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	0,32	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]

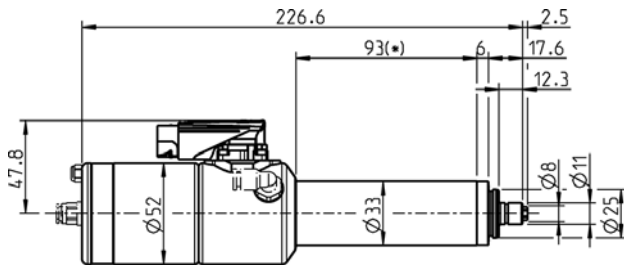
Power values

Compressed air cooled

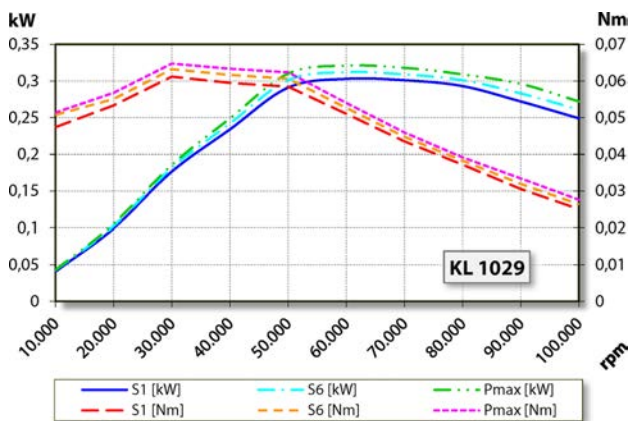
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,25	0,23	0,2	[kW]
Torque	0,039	0,037	0,033	[Nm]
Voltage	33	33	33	[V]
Current	8,2	7,7	6,9	[A]

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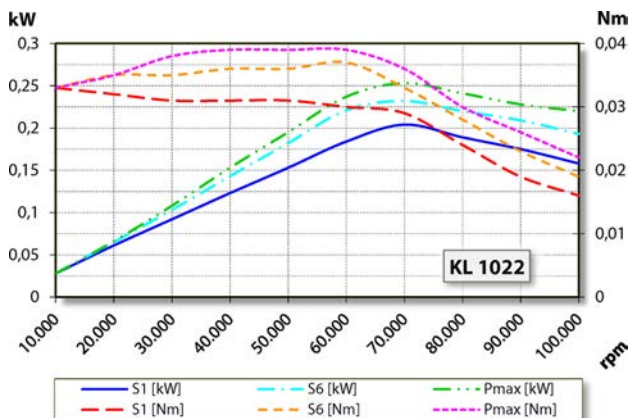
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Dimensions



Performance Diagram
Spindle holder cooled



Performance Diagram
Compressed air cooled

Measurement of power is funded by in-house testing.

Characteristics

Motor protection	PTC 100°C or Pt1000 Optional accessory
Housing	Stainless steel/ aluminium
Housing diameter	33 mm
Cooling	Compressed air cooled
Heat dissipation	Via the housing
Housing temperature	< + 50° 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	3.5 mm (1/8")
Clockwise	
Coupler plug	9-pin (I-TEC)
Weight	~ 1,2 kg
Inner taper run out	< 1 μ