



DentaDrive S 60LW S21

Electric Direct Tool Change

Item no. **133AB021**

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

Bearings

Steel ball bearing (pcs)	2
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

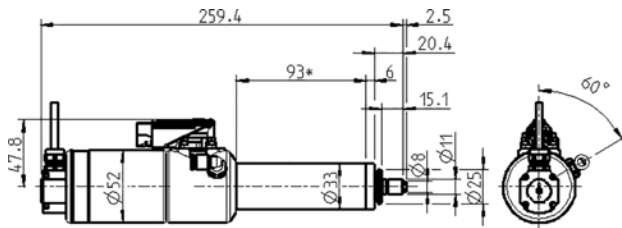
Uncooled

	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]

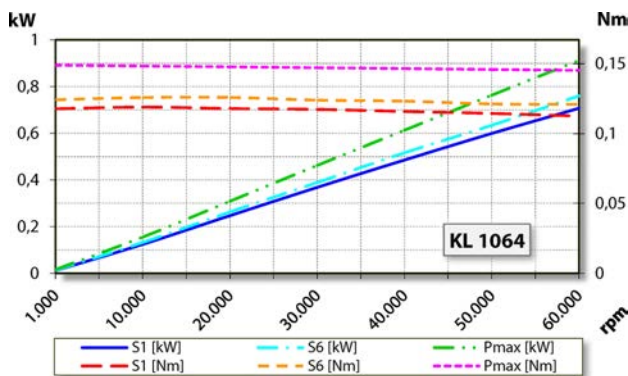
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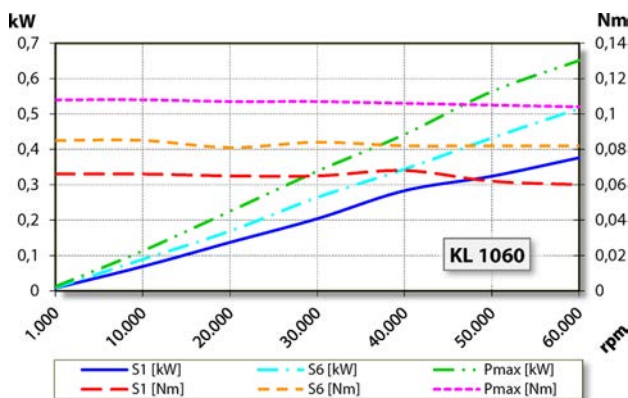


Dimensions



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
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	Optional accessories
ESD protection	Optional accessories
Tool change	Electric Direct Tool 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	~ 1,8 kg
Inner taper run out	< 1 μ