



F100-M636.04 S11

Manual taper change

Item no. **10206003**

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

Bearings

Hybrid ball bearing (pcs)	4
Lifetime lubricated	maintenance free

Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	1.200 Hz
Motor poles (pairs)	2
Rated rotation speed	36.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

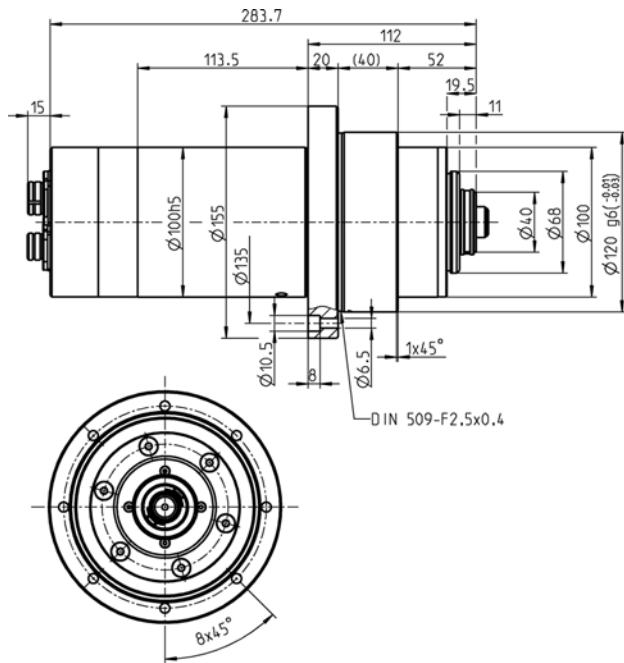
Power values

Liquid cooled

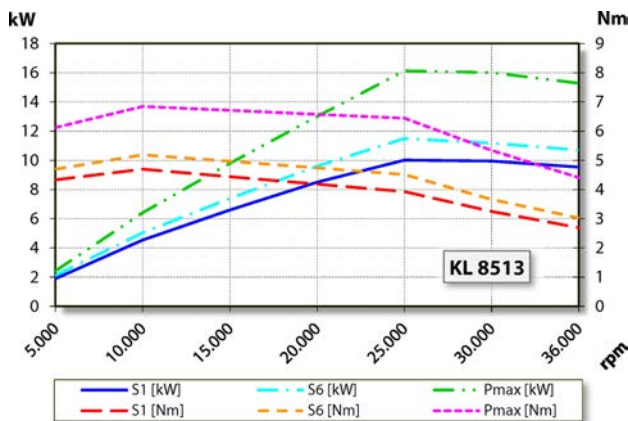
	Pmax./5s	S6-60%	S1-100%	
Rated power	16,1	11,5	10	[kW]
Torque	6,85	5,19	4,7	[Nm]
Voltage	380	380	380	[V]
Current	38,4	28,5	25,7	[A]

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Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

Characteristics

Speed sensor	Differential magneto resistor (TTL) Number of signals = 6
Motor protection	PTC 130°C
Housing	Stainless steel
Housing diameter	100 mm
Flange diameter	155 mm
Pitch circle	dia. 135 mm (8 x $\varnothing 6.5$) for screws: M6
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Tool change	Manual taper change
Tool Holder	HSK-C 40
Clamping range up to	16 mm
Clockwise and anticlockwise	
Coupler plug	5-pin (ECTA 133) motor phases 12-pin (ECTA 133) sensors
Weight	~ 15 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ