



## F100-H536.11 S3W2

### Pneumatic taper change

Item no. **10405160**

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)

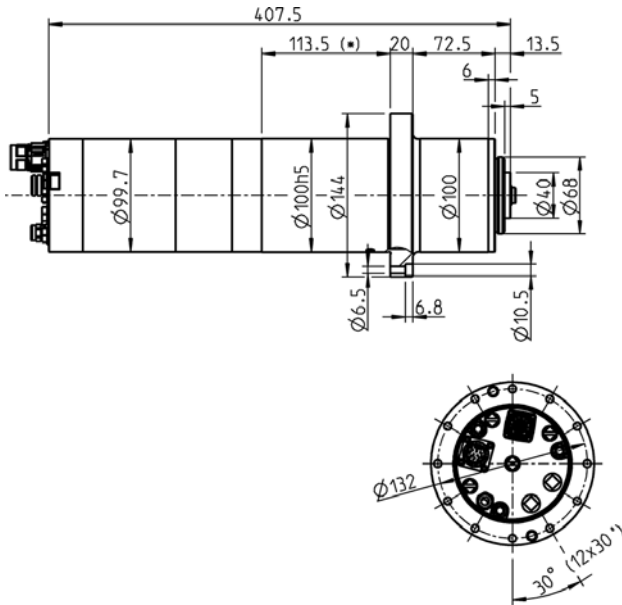
#### Power values

Liquid cooled

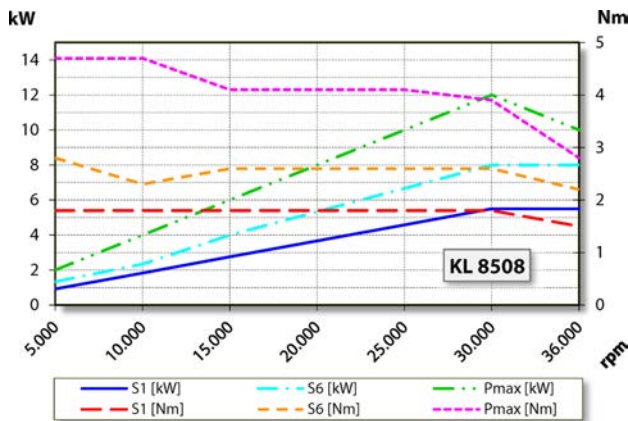
	Pmax./5s	S6-60%	S1-100%	
Rated power	12	8	5,5	[kW]
Torque	4,7	2,8	1,8	[Nm]
Voltage	380	380	380	[V]
Current	28	19	14,5	[A]

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Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

**Characteristics**

Motor protection	PTC 130°C
Housing	Stainless steel
Housing diameter	100 mm
Flange diameter	144 mm
Pitch circle	dia. 132 mm (12 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
Taper cleaning	
Eddy current sensor	Optional accessories
Tool change	Pneumatic taper change
Tool Holder	HSK-E 40
Tool change monitoring	inductive
3 positions	clamped, unclamped, ejected
Clamping range up to	16 mm
Clockwise and anticlock- wise	
Coupler plug	8-pin (SpeedTEC) (motor phases) 12-pin (ECTA 133) (sensors)
Weight	~ 16 kg
Inner taper run out	< 1 $\mu$
Axial run-out	< 1 $\mu$