



Z100-M618.03 S5R

Manual taper change

Item no. **10206007**

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	600 Hz
Motor poles (pairs)	2
Rated rotation speed	18.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

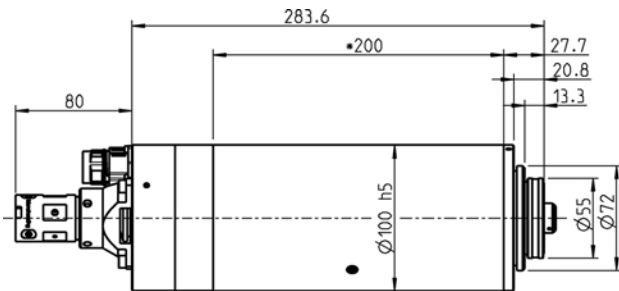
Power values

Liquid cooled

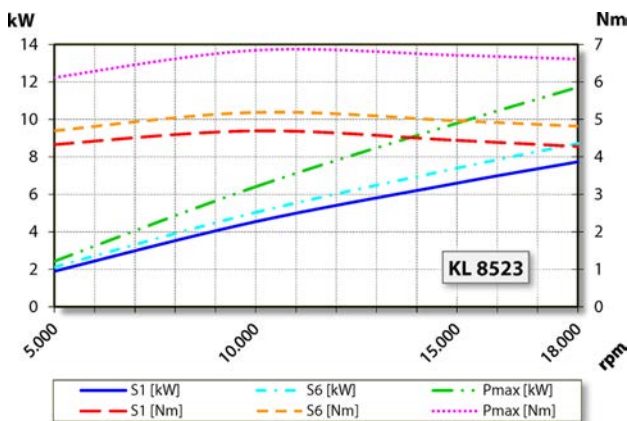
	Pmax./5s	S6-60%	S1-100%	
Rated power	11,7	8,7	7,7	[kW]
Torque	6,85	5,19	4,7	[Nm]
Voltage	282	282	282	[V]
Current	38	28,5	25,7	[A]

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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 150°C Pt1000
Housing	Stainless steel
Housing diameter	100 mm
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Internal coolant supply	
Internal coolant supply	< 80 bar < 10 l/min
Tool change	Manual taper change
Tool Holder	HSK-C 40 + HSK-D 50
Clamping range up to	16 mm
Clockwise and anticlockwise	
Coupler plug	9-pin (SpeedTEC)
Weight	~ 12,5 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ