



Z120-H824.06 K1W2V

Pneumatic taper change

Item no. **10408018**

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	800 Hz
Motor poles (pairs)	2
Rated rotation speed	24.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

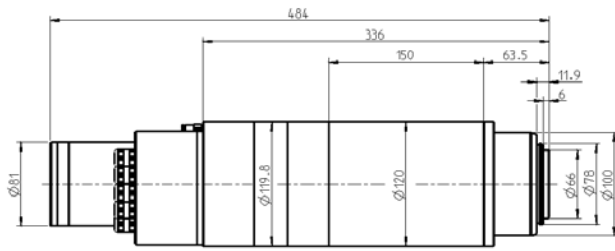
Power values

Liquid cooled

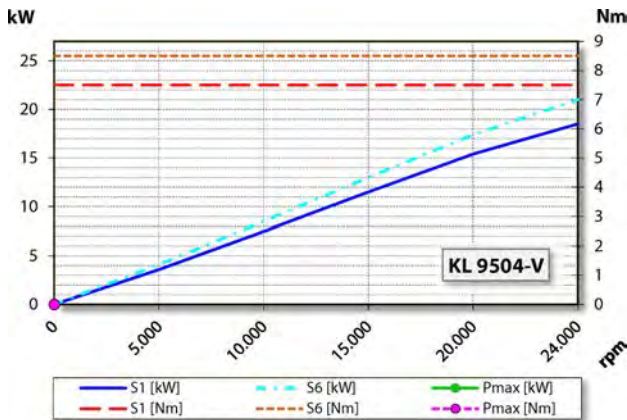
	Pmax./5s	S6-60%	S1-100%	
Rated power		21	18,5	[kW]
Torque		8,5	7,5	[Nm]
Voltage		350	350	[V]
Current		50	47	[A]

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Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

Characteristics

Speed sensor	Vector control
Toothed wheel	Teeth = 256 Module = 0,3
Motor protection	PTC 145°C
Housing	Stainless steel
Housing diameter	120 mm
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Taper cleaning	
Tool change	Pneumatic taper change
Tool Holder	HSK-E 50 + HSK-F 63
Tool change monitoring	inductive
3 positions	clamped, unclamped, ejected
Clamping range up to	20 mm
Clockwise and anticlockwise	
	4 cables Cable length 1 m (motor phases)
Coupler plug	17-pin metal Cable length 0,2 m (sensors) 12-pin (ECTA 133) Cable length 1 m (sensors)
Weight	~ 23 kg
Inner taper run out	< 1 μ
Axial run-out	< 1 μ