



## F100-H635.101 S11.1W2V

### Pneumatic taper change

Item no. **10406026-02**

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	1.167 Hz
Motor poles (pairs)	2
Rated rotation speed	35.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

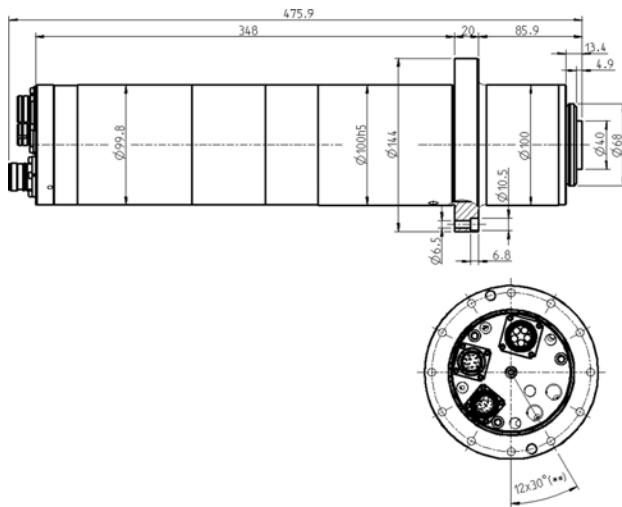
### Power values

Liquid cooled

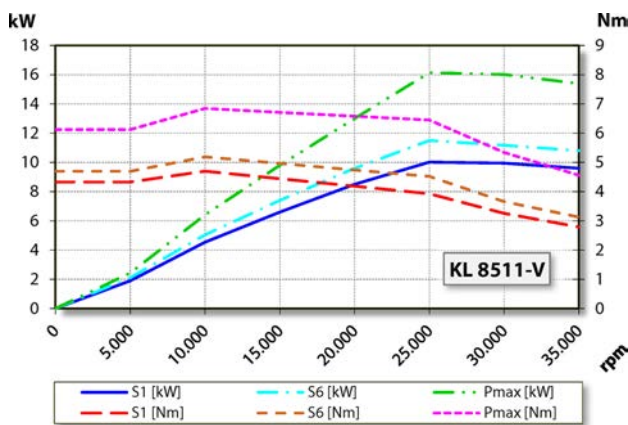
	Pmax./5s	S6-60%	S1-100%	
Rated power	16,1	11,5	10	[kW]
Torque	6,85	5,19	4,7	[Nm]
Voltage	380	380	380	[V]
Current	38,4	28,5	25,7	[A]

**F100-H635.101 S11.1W2V**

Pneumatic taper change  
Item no. **10406026-02**



Dimensions



Performance Diagram  
Liquid cooled

Measurement of power is funded by in-house testing.

**Characteristics**

Speed sensor	Vector control
Toothed wheel	Teeth = 150 Module = 0,3
Motor protection	PTC 130°C Pt1000
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	
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 anticlockwise	
Coupler plug	5-pin (ECTA 133) (motor phases) 12-pin (ECTA 133) + 17-pin (sensors)
Weight	~ 16 kg
Inner taper run out	< 1 $\mu$
Axial run-out	< 1 $\mu$