Z80-H542.08 S8RVW3

High Frequency Spindle
Pneumatic Change of Tool Holder

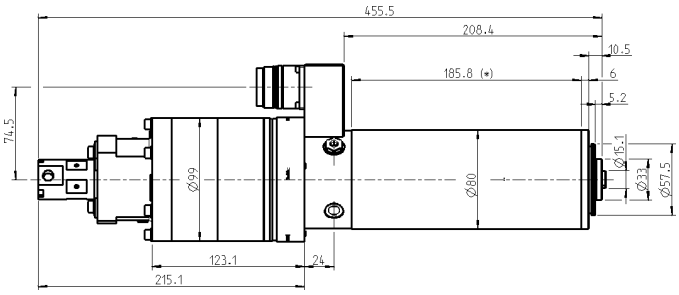
(Example of design)

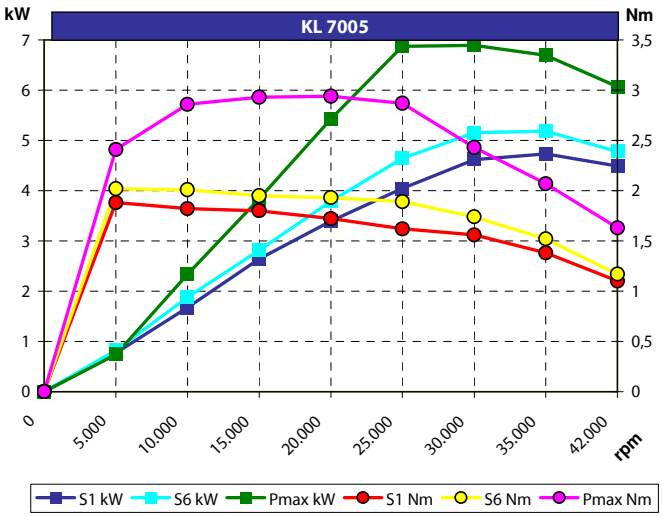
HF-Spindle for high-speed milling, -grinding, -drilling, -engraving

Technical Specifications:

Ceramic hybrid ball bearing		4pcs
Lifetime lubricated		maintenance free
Nominal power:	Pmax. / 5s	**6,8 kW**
	S1-100%	**4,7 kW**
	S6-60%	**5,2 kW**
Voltage:	Pmax. / 5s	**329 V**
	S1-100%	**352 V**
	S6-60%	**342 V**
Current:	Pmax. / 5s	**16 A**
	S1-100%	**10 A**
	S6-60%	**11 A**
Frequency::		1.400 Hz
Motor poles:		2 pairs
Nominal rotation speed:		42.000 min^{-1}
Speed monitoring		via vector control
Motor protection:		via PTC
Housing diameter:		80 mm
Cooling system:		liquid cooled
Sealing air		
Internal coolant supply		
Tool change:		pneumatically
		HSK-E 32
Tool change monitoring:		position query
3 positions:		released clamped ejected
Clamping range:		up to 13 mm
Coupler plug:		18 pole metal
Weight:		~ 12 kg
Inner taper run out		< 1µ

Dimensions:



Performance Diagram:

* Measurement of power is funded by in-house testing