



## Z62-M445.01 S5

### Manual tool change

Item no. **10004021**

HF-Spindle for high-speed drilling

### Bearings

Hybrid ball bearing (pcs)	4
Lifetime lubricated	maintenance free

### Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	750 Hz
Motor poles (pairs)	1
Rated rotation speed	45.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

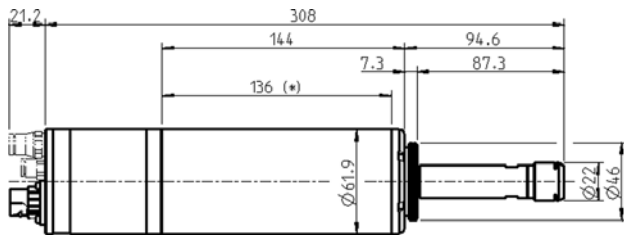
### Power values

Liquid cooled

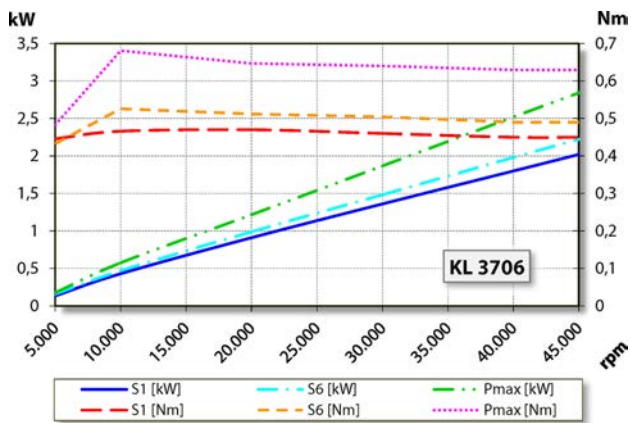
	Pmax./5s	S6-60%	S1-100%	
Rated power	2,8	2,2	2	[kW]
Torque	0,68	0,53	0,47	[Nm]
Voltage	152	152	151	[V]
Current	15,9	12,9	12	[A]

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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 130°C
Housing	Stainless steel
Housing diameter	61,9 mm
Cooling	Liquid cooled
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Tool change	Manual tool change
Collet type	ER 16
	Optional accessories
Clamping range up to	10 mm (25/64")
Clockwise	
Coupler plug	9-pin (SpeedTEC)
Weight	~ 3,3 kg
Inner taper run out	< 1 μ