



## ARS42-M140.05 K3 S21E

### Manual tool change

Item no. **10001015-01**

HF-Spindle for dressing of grinding wheels

### Bearings

Hybrid ball bearing (pcs)	2
Lifetime lubricated	maintenance free

### Motor

Motor technology	3-phase asynchronous drive (no brushes or sensors)
Frequency	667 Hz
Motor poles (pairs)	1
Rated rotation speed	40.000 rpm
Acceleration/braking value Per second	10 000 rpm (other values by consultation)

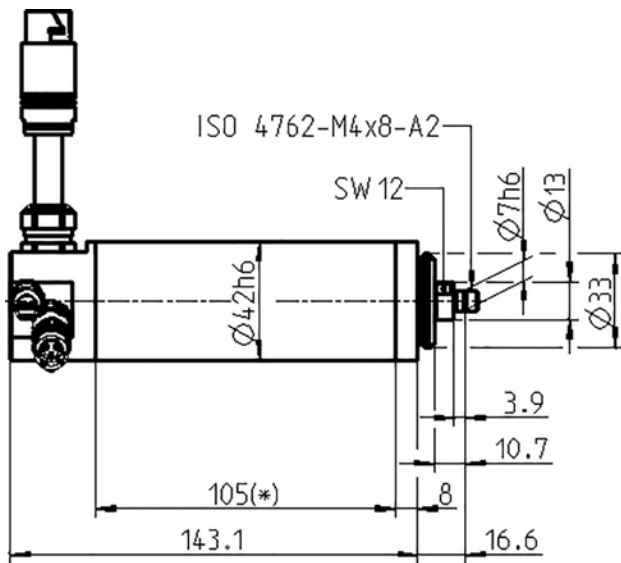
### Power values

#### Uncooled

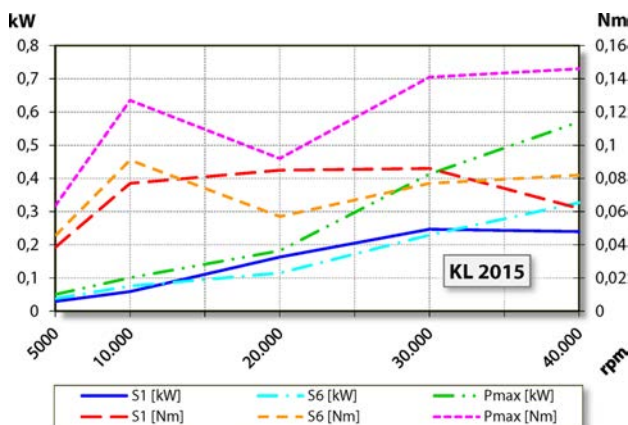
	Pmax./5s	S6-60%	S1-100%	
Rated power	0,57	0,33	0,25	[kW]
Torque	0,147	0,091	0,086	[Nm]
Voltage	71	60	46	[V]
Current	8,4	5,3	5,5	[A]

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Dimensions



Performance Diagram

Uncooled

Measurement of power is funded by in-house testing.

**Characteristics**

Speed sensor	Differential magneto resistor (TTL) Number of signals = 6
Touch recognition	Acoustic emission sensor
Motor protection	PTC 160°C
Housing diameter	42 mm
Cooling	Uncooled
Heat dissipation	Via the spindle holder
Housing temperature	< + 45° C
Ambient temperature	+ 10°C ... + 45°C
Sealing air	
Protection category (sealing air turned on)	IP54
Tool change	Manual tool change Grinding wheel
Tool Holder	maximum dia. 20 mm maximum t = 4 - 6 mm
Clamping range	Ø 7h6 - M4
Clockwise	
Coupler plug	9-pin (I-TEC) Cable length 3 m (motor phases) 3-pin Cable length 3,5 m (sensors)
Weight	~ 1 kg
Axial run-out of mounting surface	< 1 µ