

Z33-D060.12 S15A

Pneumatic direct change

Item no. **10300024**

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

Bearings

| | |
|--------------------------|------------------|
| Steel ball bearing (pcs) | 2 |
| Lifetime lubricated | maintenance free |

Motor

| | |
|--|---|
| Motor technology | 3-phase asynchronous drive (no brushes or sensors) |
| Frequency | 1.000 Hz |
| Motor poles (pairs) | 1 |
| Rated rotation speed | 60.000 rpm |
| Acceleration/braking value Per second | 10 000 rpm (other values by consultation) |

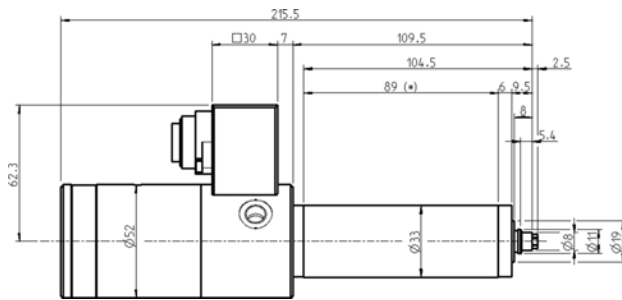
Power values

Uncooled

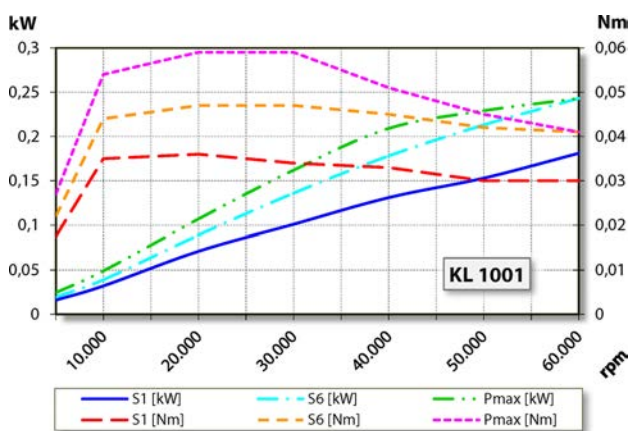
| | Pmax./5s | S6-60% | S1-100% | |
|-------------|----------|--------|---------|------|
| Rated power | 0,24 | 0,24 | 0,18 | [kW] |
| Torque | 0,059 | 0,047 | 0,036 | [Nm] |
| Voltage | 46 | 46 | 44 | [V] |
| Current | 6,5 | 6,5 | 5,5 | [A] |

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Dimensions



Performance Diagram
Uncooled

Measurement of power is funded by in-house testing.

Characteristics

| | |
|--|---------------------------|
| Motor protection | PTC 100°C |
| Housing | Aluminium |
| Housing diameter | 33 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 |
| ESD protection | |
| Tool change | Pneumatic direct change |
| Collet type | 5,1P-5° |
| Clamping range up to | 3.5 mm (1/8") |
| Clockwise | |
| Coupler plug | 7-pin (Amphenol C16-1) |
| Weight | ~ 1,1 kg |
| Inner taper run out | < 1 μ |