



## Z62-D452.93 S3

### Pneumatic direct change

Item no. **10304048-02**

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

#### Bearings

|                           |                  |
|---------------------------|------------------|
| Hybrid ball bearing (pcs) | 3                |
| Lifetime lubricated       | maintenance free |

#### Motor

|  |   |
|--|---|
| Motor technology                         | 3-phase asynchronous drive<br>(no brushes or sensors) |
| Frequency                                | 867 Hz  |
| Motor poles (pairs)                      | 1   |
| Rated rotation speed                     | 52.000 rpm  |
| Acceleration/braking value<br>Per second | 10 000 rpm<br>(other values by consultation)          |

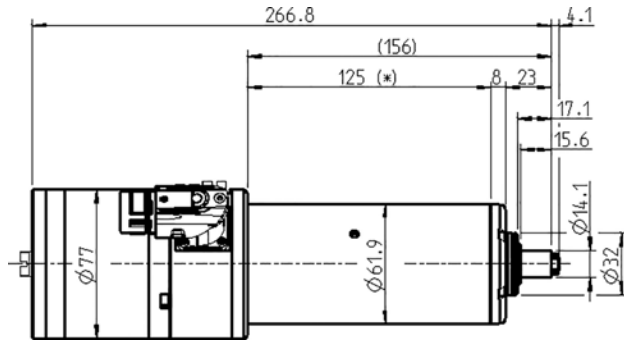
#### Power values

Liquid cooled

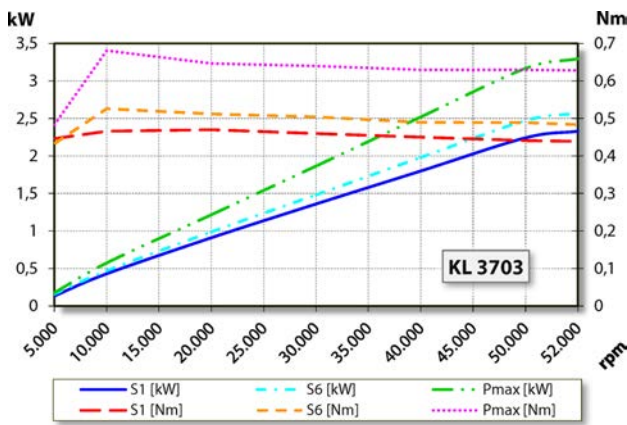
|             | Pmax./5s | S6-60% | S1-100% |      |
|-------------|----------|--------|---------|------|
| Rated power | 3,2      | 2,6    | 2,3     | [kW] |
| Torque      | 0,68     | 0,53   | 0,47    | [Nm] |
| Voltage     | 173      | 173    | 174     | [V]  |
| Current     | 15,9     | 12,9   | 12      | [A]  |

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Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

**Characteristics**

|  |                         |
|--|-------------------------|
| 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<br>(sealing air turned on) | IP54                    |
| Blow air through collet during tool change     |                         |
| Tool change                                    | Pneumatic direct change |
| Collet type                                    | 8/5°                    |
|  | Optional accessories    |
| Clamping range up to                           | 6 mm (1/4")             |
| Clockwise                                      |                         |
| Coupler plug                                   | 8-pin (SpeedTEC)        |
| Weight   | ~ 4,6 kg                |
| Inner taper run out                            | < 1 μ                   |