

## C80-M440.01 S4

### Manual tool change

Item no. **10004007**

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

### Bearings

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

### Motor

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

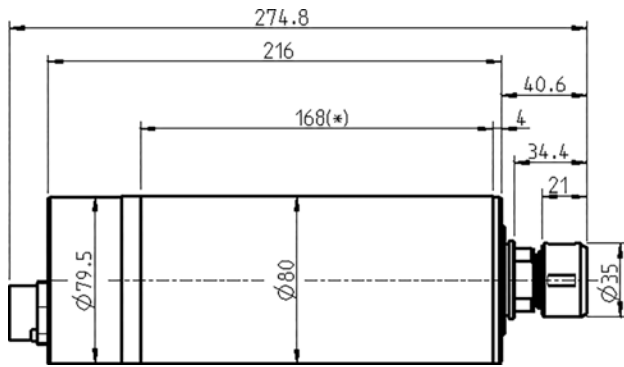
### Power values

Liquid cooled

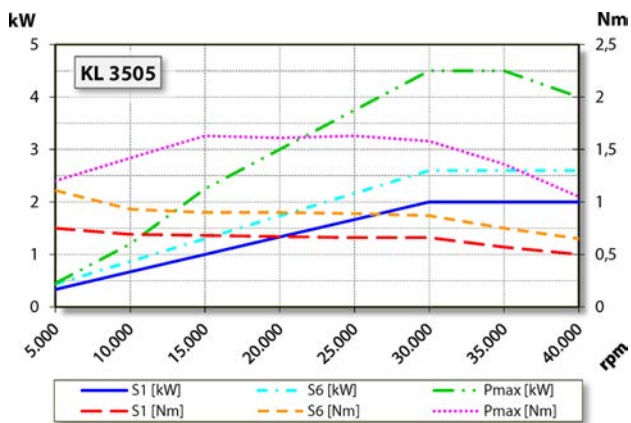
|             | Pmax./5s | S6-60% | S1-100% |      |
|-------------|----------|--------|---------|------|
| Rated power | 4,5      | 2,6    | 2       | [kW] |
| Torque      | 1,63     | 1,11   | 0,75    | [Nm] |
| Voltage     | 200      | 200    | 200     | [V]  |
| Current     | 20       | 11     | 8,9     | [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                               | 80 mm                                  |
| Cooling  | Liquid cooled                          |
| Ambient temperature                            | + 10°C ... + 45°C                      |
| Sealing air                                    |  |
| Protection category<br>(sealing air turned on) | IP54                                   |
| Tool change                                    | Manual tool change                     |
| Collet type                                    | D12                                    |
| Clamping range up to                           | Optional accessories<br>12 mm (15/32") |
| Clockwise                                      |  |
| Coupler plug                                   | 9-pin plastic                          |
| Weight   | ~ 5,5 kg                               |
| Inner taper run out                            | < 2 μ                                  |