



## Z62-H450.01 S19W2/2V

### Pneumatic taper change

Item no. **10404085**

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

#### Bearings

|                           |                  |
|---------------------------|------------------|
| Hybrid ball bearing (pcs) | 4                |
| Lifetime lubricated       | maintenance free |

#### Motor

|  |   |
|--|---|
| Motor technology                         | 3-phase asynchronous drive<br>(no brushes or sensors) |
| Frequency                                | 833 Hz  |
| Motor poles (pairs)                      | 1   |
| Rated rotation speed                     | 50.000 rpm  |
| Acceleration/braking value<br>Per second | 10 000 rpm<br>(other values by consultation)          |

#### Power values

Liquid cooled

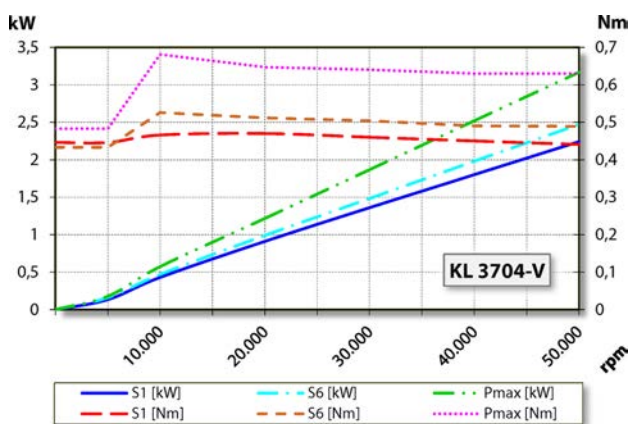
|             | Pmax./5s | S6-60% | S1-100% |      |
|-------------|----------|--------|---------|------|
| Rated power | 3,2      | 2,5    | 2,3     | [kW] |
| Torque      | 0,68     | 0,53   | 0,47    | [Nm] |
| Voltage     | 167      | 167    | 167     | [V]  |
| Current     | 15,9     | 12,9   | 12      | [A]  |

**Z62-H450.01 S19W2/2V**

Pneumatic taper change  
Item no. **10404085**



Dimensions



Performance Diagram

Liquid cooled

Measurement of power is funded by in-house testing.

**Characteristics**

|  |   |
|--|---|
| Speed sensor                                   | Vector control<br>TTL, 8x   |
| Toothed wheel                                  | Teeth = 64<br>Module = 0,4  |
| Motor protection                               | PTC 130°C<br>Optional accessory   |
| 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  |
| Taper cleaning                                 |   |
| Tool change                                    | Pneumatic taper change  |
| Tool Holder                                    | HSK-E 25  |
| Tool change monitoring                         | inductive   |
| 2 positions                                    | clamped, ejected  |
| Clamping range up to                           | 10 mm   |
| Clockwise and anticlockwise                    |   |
| Coupler plug                                   | Y-TEC<br>9-pin (motor phases)<br>12-pin (sensors)<br>SpeedTEC<br>17-pin (sensors) |
| Weight   | ~ 6,2 kg  |
| Inner taper run out                            | < 1 µ   |
| Axial run-out                                  | < 1 µ   |