

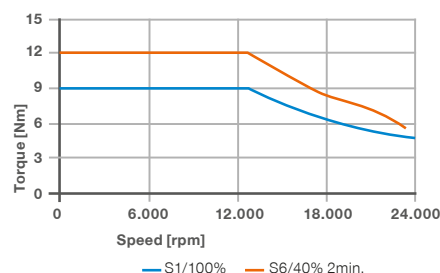
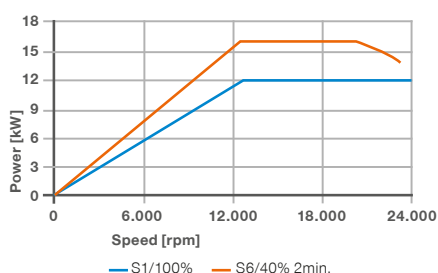
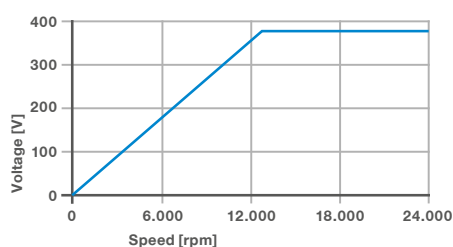
# MOTOR SPINDLE

## HF125-002-014

### ► PRODUCT ADVANTAGES



- **Rated power S1: 12 kW**
- **Rated torque S1: 9 Nm**
- **Max. speed: 24,000 1/min**
- Liquid cooling
- Automatic Tool Change
- Encoder (with integrated safety)
- Integrated media feed-through
- Robot Interchange Interface
- IO-Link ready



### ► TECHNICAL DATA

| Order no.                  | HF125-002-014 |                                               |                                 |
|----------------------------|---------------|-----------------------------------------------|---------------------------------|
| Engine cooling             | Liquid        | Tool exchange                                 | automatic                       |
| Motor technology           | Asynchronous  | Release unit                                  | pneumatic                       |
| Number of poles            | 4             | Bearing lubrication                           | Grease                          |
| Rate voltage [V]           | 380           | Storage protection                            | Labyrinth with sealing air      |
| Nominal output S1 [kW]     | 12.0          | Encoder                                       | 1Vss 256                        |
| Nominal speed [1/min]      | 12,730        | speed sensor                                  | 2 pulses per revolution         |
| Rated torque S1 [Nm]       | 9.0           | IO-Link capable                               | Yes                             |
| Nominal current S1 [A]     | 25.0          | Media implementation                          | Yes                             |
| Relative duty cycle S6 [%] | 40            | Robot interface                               | WWR125                          |
| Playing time S6 [min]      | 2             | Release tool - operating pressure [bar]       | 10.0 ... 12.0                   |
| Nominal output S6 [kW]     | 16.0          | Motor cooling - operating pressure [bar]      | 2.0 ... 7.0                     |
| Nominal torque S6 [Nm]     | 12.1          | Media feed-through - operating pressure [bar] | 0.0 ... 12.0                    |
| Nominal current S6 [A]     | 32.0          | Cone cleaning - operating pressure [bar]      | 4.0 ... 7.0                     |
| Maximum speed [1/min]      | 24,000        | Sealing air - operating pressure [bar]        | 6.0 ... 7.0                     |
| Tool interface             | HSK-F63       | Certifications                                | CE / UKCA / LABS / REACH / RoHS |
| Clamping force [N]         | 11,000        | Weight [kg]                                   | 19                              |

| Legend         | Interface |                     |     |
|----------------|-----------|---------------------|-----|
| Tool unlocked  | A         | Media feed-through  | Hx  |
| Taper cleaning | KR        | Power               | XD1 |
| Sealing air    | SPL       | Acceleration sensor | XG4 |
| Motor cooling  | E, F      |                     |     |

## ► TECHNICAL DRAWINGS

