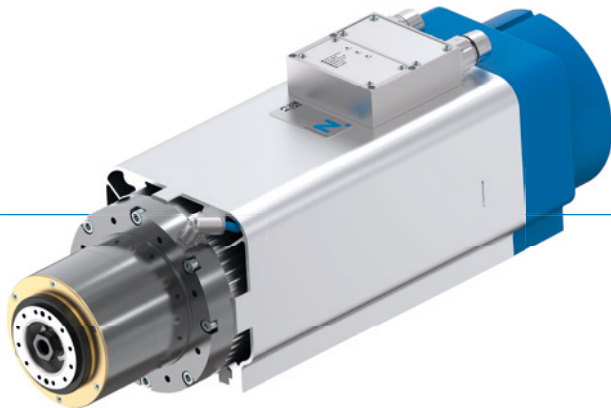


# MOTOR SPINDLES

## HF145-001-004

### ▶ PRODUCT ADVANTAGES



- ▶ **Rated power S1: 6 kW**  
**Rated torque S1: 4.9 Nm**  
**Max. speed: 24,000 rpm**
- ▶ Air cooling via electric fan
- ▶ IO-Link communication
- ▶ Designed as unit carrier
- ▶ Hybrid bearings used for maximum performance
- ▶ Ideal for processing wood, plastics, lightweight metal and composites
- ▶ Vector controlled

### ▶ EQUIPMENT FEATURES



Conus cleaning of tool fixation



IO-Link



Labyrinth seal



Vector controlled / feedback



Tool fixation monitoring



Sealing air



Speed monitoring



Automatic tool change

### ▶ OPTIONS



C-axis interface



Acceleration sensor



Manual tool release pushbutton



Aggregate interface



Robot change unit

### ▶ ACCESSORIES



Frequency inverter

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Control units

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Adapter  
Frequency inverter

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Power lines

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Signal lines

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Encoder lines

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Robot change unit

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## ▶ TECHNICAL DATA

### ▶ HF145-001-004

Three phase asynchron motor, 4-poles

Nominal output S1 [kW]	6.0
Rated torque S1 [Nm]	4.9
Nominal current S1 [A]	14.0
Nominal speed	11.780
Maximum speed	24,000
Tool interface	HSK-F63
Motor technology	Asynchronous
Number of poles	4
Release unit	Pneumatic
Cooling	Electric fan
Weight [kg]	26

### ▶ Interface Diagram

	Interface
A	Tool unlocked
AZ	Tool clamping
KR	Conus cleaning
SPL	Sealing air
XD1	Power and signal connector
XG2	Signal connector
XG3	Position and speed sensor

