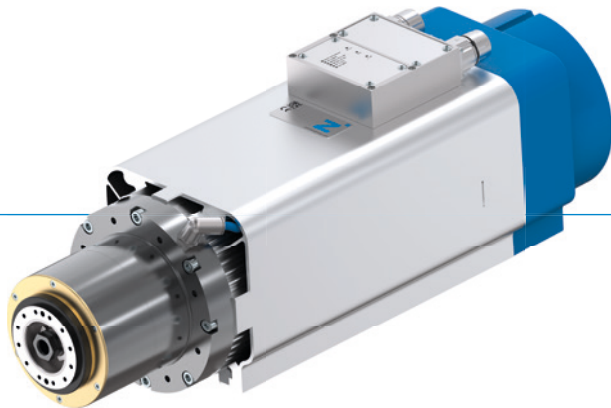


MOTOR SPINDLES

HF145-001-003

▶ PRODUCT ADVANTAGES



- ▶ **Rated power S1: 11.8 kW**
- ▶ **Rated torque S1: 9.6 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

▶ EQUIPMENT FEATURES



Conus cleaning of tool fixation



IO-Link



Labyrinth seal



Tool fixation monitoring



Sealing air



Speed monitoring



Automatic tool change

▶ OPTIONS



C-axis interface



Acceleration sensor



Vector controlled / feedback



Manual tool release pushbutton



Aggregate interface



Robot change unit

▶ ACCESSORIES



Frequency inverter

Page 41



Control units

Page 41



Adapter
Frequency inverter

Page 41



Power lines

Page 43



Signal lines

Page 43

▶ TECHNICAL DATA

▶ HF145-001-003

Three phase asynchron motor, 4-poles

Nominal output S1 [kW]	11.8
Rated torque S1 [Nm]	9.6
Nominal current S1 [A]	25.0
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]	32

▶ Interface Diagram

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

