

MOTOR SPINDLES

HF125-002-004

▶ PRODUCT ADVANTAGES



- ▶ **Rated power S1: 9 kW**
- ▶ **Rated torque S1: 7.3 Nm**
- ▶ **Max. speed: 24,000 rpm**
- ▶ Water cooling
- ▶ IO-Link communication
- ▶ Designed as unit carrier
- ▶ Adapted for use in an angle head, for example
- ▶ Hybrid bearings used for maximum performance
- ▶ Ideal for processing wood, plastics, lightweight metal and composites
- ▶ Vector controlled

▶ EQUIPMENT FEATURES



Conus cleanig of tool fixation



Labyrinth seal



Tool fixation monitoring



Sealing air



Speed monitoring



Automatic tool change



IO-Link



Controllable air connectors



Vector controlled / feedback

▶ OPTIONS



Acceleration sensor



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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Cooling units/
connector set

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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

▶ HF125-002-004

Three phase asynchron motor, 4-poles

Nominal output S1 [kW]	9.0
Rated torque S1 [Nm]	7.3
Nominal current S1 [A]	20.0
Nominal speed	11.750
Maximum speed	24,000
Tool interface	HSK-F63
Motor technology	Asynchronous
Number of poles	4
Release unit	Pneumatic
Cooling	Water
Weight [kg]	13

▶ Interface Diagram

	Interface
A	Tool unlocked
E, F	Cooling system inlet and outlet
Hx	Controllable connection
KR	Conus cleaning
SPL	Sealing air
XD1	Power and signal connector
XG2	Signal connector
XG3	Position and speed sensor

