

MOTOR SPINDLES

HF125-002-005

▶ PRODUCT ADVANTAGES



- ▶ **Rated power S1: 12 kW**
- ▶ **Rated torque S1: 9 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



IO-Link



Labyrinth seal



Controllable air connectors



Tool fixation monitoring



Vector controlled / feedback



Sealing air



Speed monitoring



Automatic tool change

▶ 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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▶ TECHNICAL DATA

▶ HF125-002-005

Three phase asynchron motor, 4-poles

| | |
|-------------------------------|--------------|
| Nominal output S1 [kW] | 12.0 |
| Rated torque S1 [Nm] | 9.0 |
| Nominal current S1 [A] | 25.0 |
| Nominal speed | 12.730 |
| Maximum speed | 24,000 |
| Tool interface | HSK-F63 |
| Motor technology | Asynchronous |
| Number of poles | 4 |
| Release unit | Pneumatic |
| Cooling | Water |
| Weight [kg] | 15 |

▶ 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 |

