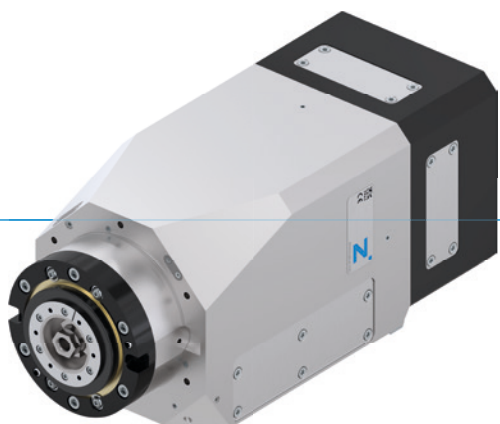


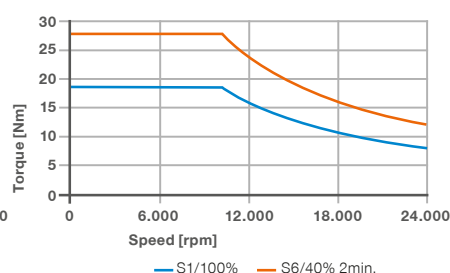
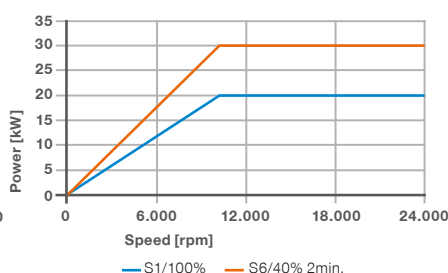
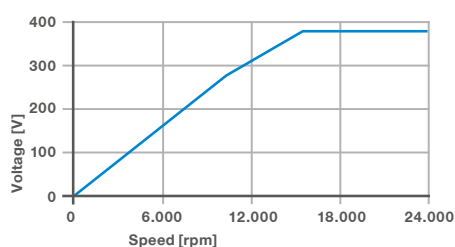
MOTOR SPINDLE

HF150-005-001

► PRODUCT ADVANTAGES



- **Rated power S1: 20 kW**
- **Rated torque S1: 18.5 Nm**
- **Max. speed: 24,000 1/min**
- Liquid cooling
- Automatic Tool Change
- Very high power density (synchronous motor)
- Very high torque (synchronous motor)
- Encoder (with integrated safety)
- IO-Link ready



► TECHNICAL DATA

Order no.	HF150-005-001		
Engine cooling	Liquid	Release unit	pneumatic
Motor technology	Synchronous	Bearing lubrication	Grease
Number of poles	4	Storage protection	Labyrinth with sealing air
Rate voltage [V]	278	Encoder	1Vss 256
Nominal output S1 [kW]	20.0	IO-Link capable	Yes
Nominal speed [1/min]	10,300	Media implementation	Yes
Rated torque S1 [Nm]	18.5	Tool cooling	External tool cooling
Nominal current S1 [A]	50.0	Tool cooling medium	Minimum quantity lubrication
Relative duty cycle S6 [%]	40	Mechanical interface	Assembly
Playing time S6 [min]	2	Release tool - operating pressure [bar]	6.0 ... 8.0
Nominal output S6 [kW]	30.0	Motor cooling - operating pressure [bar]	2.0 ... 7.0
Nominal torque S6 [Nm]	27.8	Media feed-through - operating pressure [bar]	0.0 ... 12.0
Nominal current S6 [A]	74.0	Cone cleaning - operating pressure [bar]	4.0 ... 7.0
Maximum speed [1/min]	24,000	Sealing air - operating pressure [bar]	1.6 ... 2.0
Tool interface	HSK-F63	Certifications	CE / UKCA / LABS / REACH / RoHS
Clamping force [N]	11,000	Weight [kg]	36
Tool exchange	automatic		

Legend	Interface		
Tool unlocked	A	Media feed-through	Hx
Taper cleaning	KR	Power	XD1
Sealing air	SPL	Signal	XG2
Motor cooling	E, F	Encoder	XG3

▶ TECHNICAL DRAWINGS

