

HOCHFREQUENZ-MOTORSPINDEL
HIGH-FREQUENCY MOTOR SPINDLE



5060 XC-HSK-E25



HIGH EFFICIENT DRIVE TECHNOLOGY

FEATURES

ASYNCHRONOUS MOTOR:

- UP TO 3.1 KW AND 0.7 NM

SYNCHRONOUS MOTOR:

- UP TO 5.1 KW AND 4.0 NM

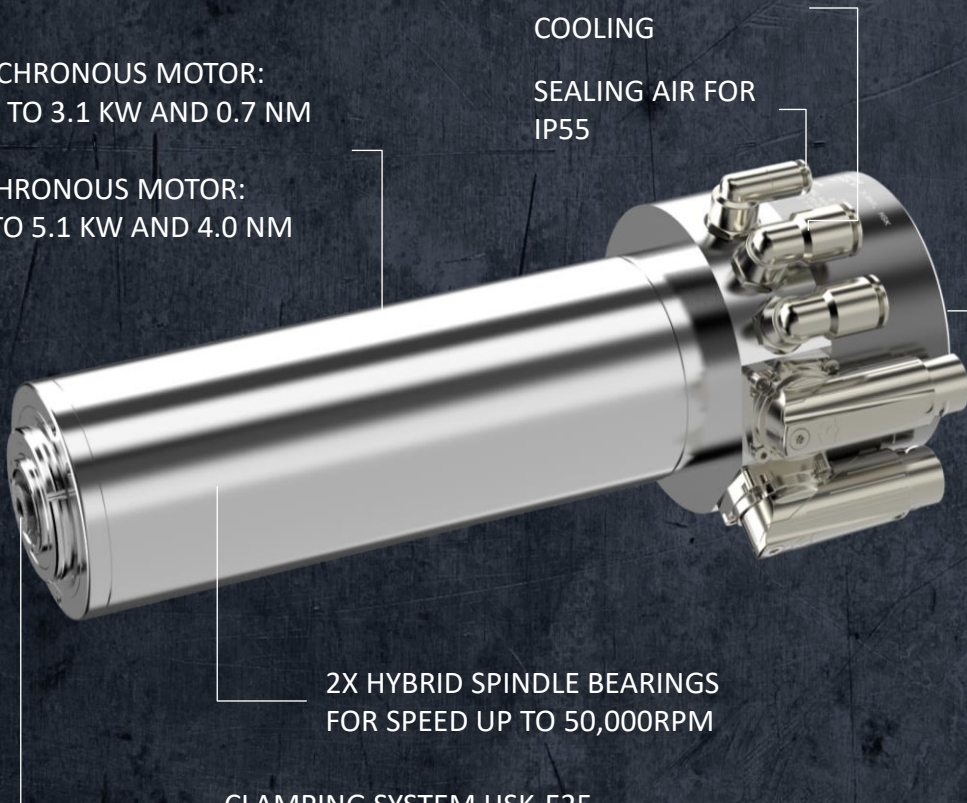
INTERNAL SPINDLE
COOLING

SEALING AIR FOR
IP55

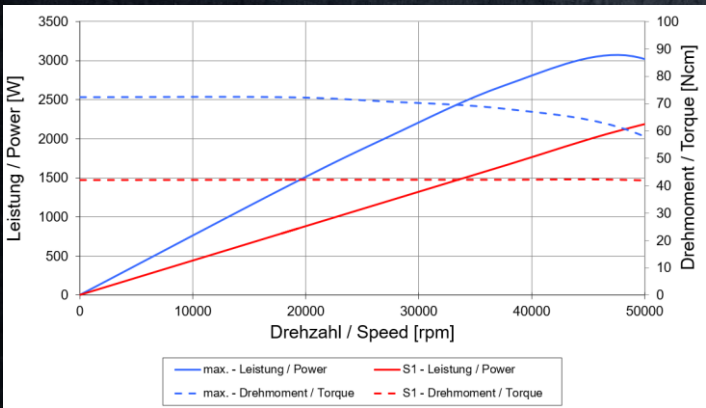
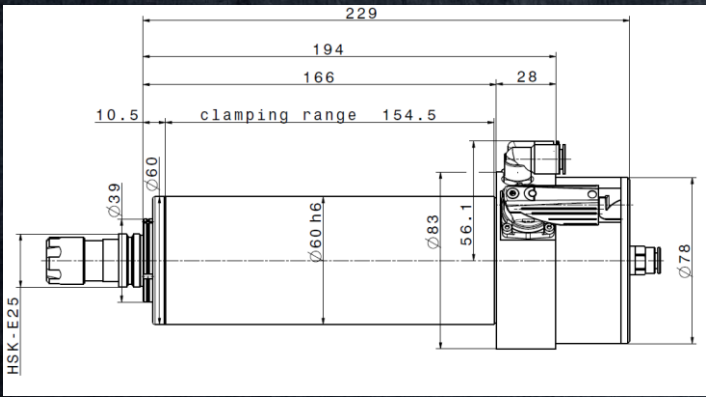
PNEUMATIC TOOL
CHANGE

2X HYBRID SPINDLE BEARINGS
FOR SPEED UP TO 50,000RPM

CLAMPING SYSTEM HSK-E25

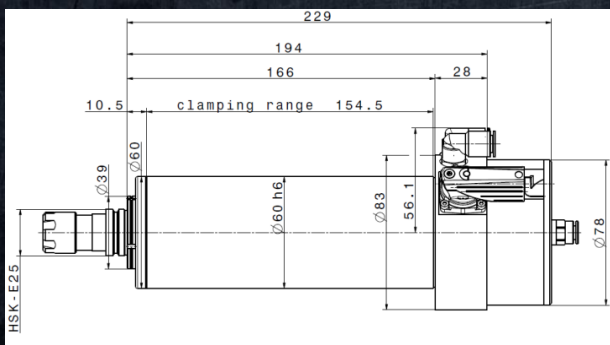


5060 AC-HSK-E25	
Speed	5,000 – 50,000rpm
Housing diameter	60 mm
Motor system	3 Phase asynchronous motor
Motor type options	62-AC-01
Frequency	83 – 833 Hz
Voltage	180 V
Current	S1: 10.9 A, max. 18 A – 5 sec.
Output power	S1: 2200 W, max. 3100 W
Torque	S1: 42 Ncm, max. 72 Ncm
Motor protection	PTC
Weight	3.5 kg
Bearing system	2 x Hybrid, lifetime lubrication
Run-out (taper)	≤ 1 µm
Tooling system	Tool holder HSK-E25
Chuch clamping range	Up to Ø 10.0 mm (ER16)
Tool change	Pneumatic 5.5 – 6.0 bar
Cooling system	Internal housing cooling 0.7 l/min
Protection category	IP 55
Protected against dirt and cooling lubricant	Sealing air 30 l/min@stp
Cable / plug type	915
Housing material	Stainless steel
Inverter recommendation	e@syDrive 4638 or CT HS30

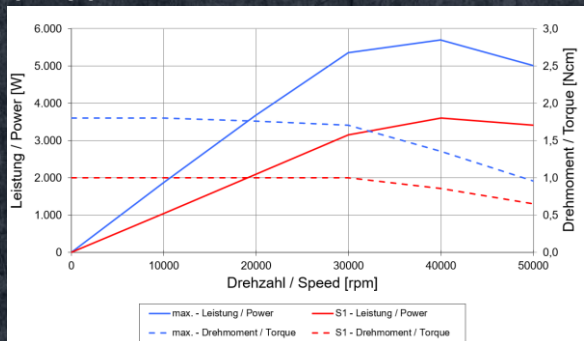


5060 DC-HSK-E25

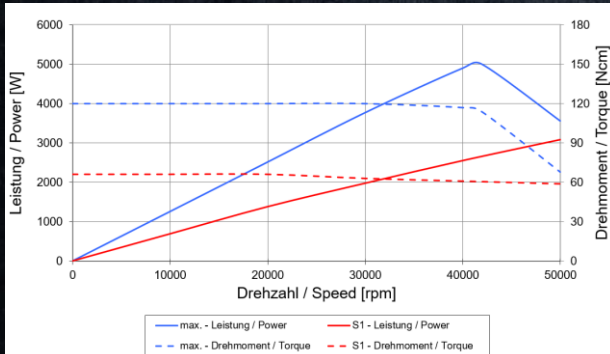
Speed	5,000 – 50,000rpm	5,000 – 50,000rpm	6,000 – 30,000rpm
Housing diameter	60 mm	60 mm	60 mm
Motor system	BLDC	BLDC	BLDC
Motor type	62-DC-01	64-DC-02	60-DC-04
Frequency	167 – 1,667 Hz	167 – 1,667 Hz	300 – 1,500 Hz
Voltage	168 V	348 V	348 V
Current	S1: 14 A max. 23 A – 60 sec.	S1: 9 A max. 14 A – 5 sec.	S1: 6 A max. 14 A – 5 sec.
Output power	S1: 3100 W max. 5000 W	S1: 3600 W max. 5700 W	S1: 3500 W max. 5100 W
Torque	S1: 0.6 Nm max. 1.2 Nm	S1: 1 Nm max. 1.8 Nm	S1: 1.8 Nm max. 4 Nm
Motor protection	PTC		
Weight	3.5 kg		
Bearing system	4 x Hybrid, lifetime lubrication		
Run-out (taper)	≤ 1 µm		
Tooling system	Tool holder HSK-E25		
Chuck clamping range	Up to Ø 10.0 mm (ER16)		
Tool change	Pneumatic 5.5 – 6.0 bar		
Cooling system	Internal housing cooling 0.7 l/min		
Protection category	IP 55		
Protected against dirt and cooling lubricant	Sealing air 30 l/min@stp		
Cable / plug type	915 / M12-A		
Housing material	Stainless steel		
Inverter recommendation	e@syDrive 4638 / S&M SD45		



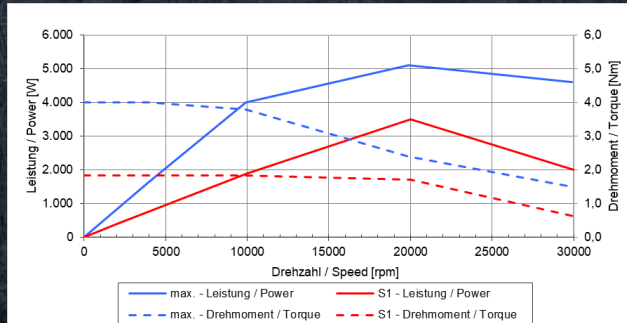
64-DC-02



62-DC-01



60-DC-04





high efficient drive technology

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