

HOCHFREQUENZ-MOTORSPINDEL
HIGH-FREQUENCY MOTOR SPINDLE



5062 XC-SK10



HIGH EFFICIENT DRIVE TECHNOLOGY

FEATURES

ASYNCHRONOUS MOTOR:

- UP TO 3.7 KW AND 1.3 NM

SYNCHRONOUS MOTOR:

- UP TO 5.1 KW AND 4.0 NM

INTERNAL SPINDLE
COOLING

PNEUMATIC TOOL
CHANGE

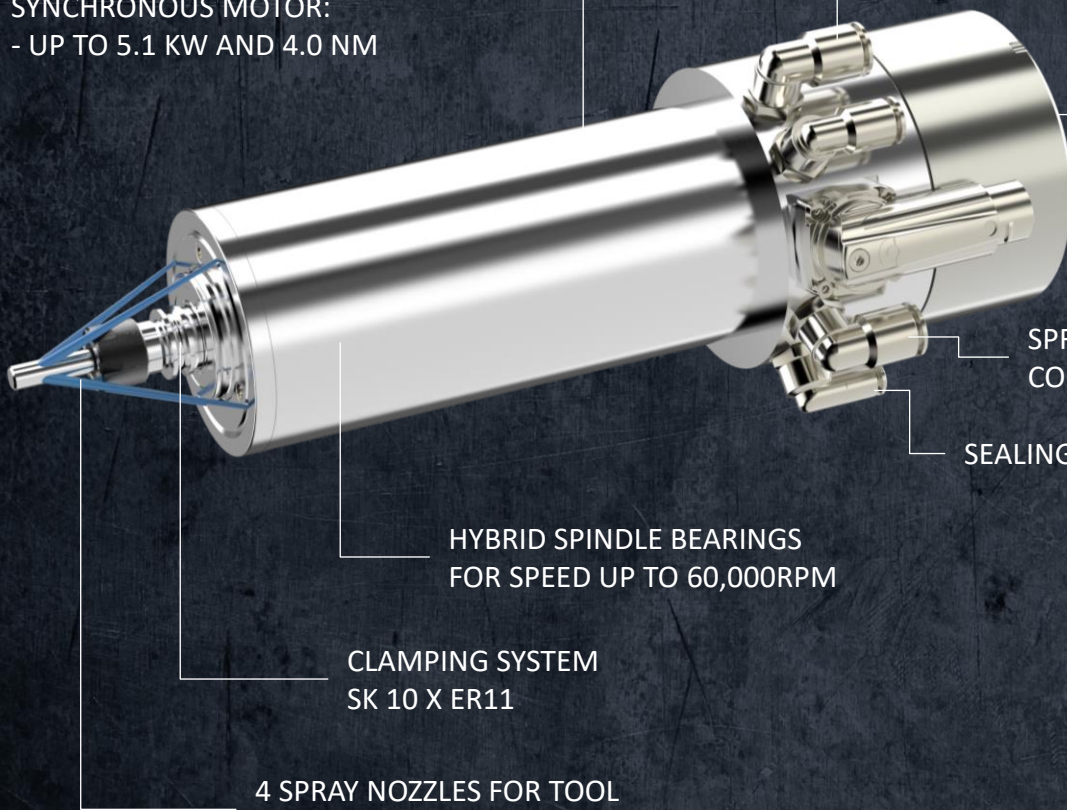
SPRAY WATER FOR TOOL
COOLING

SEALING AIR FOR IP55

HYBRID SPINDLE BEARINGS
FOR SPEED UP TO 60,000RPM

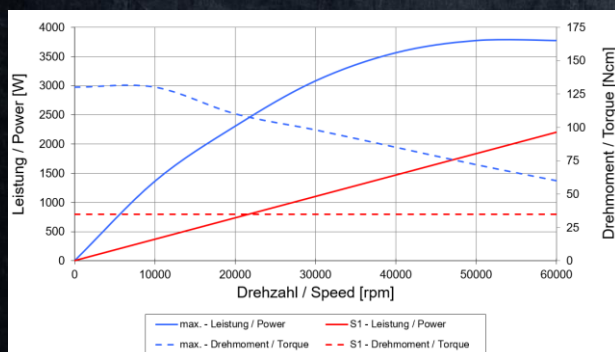
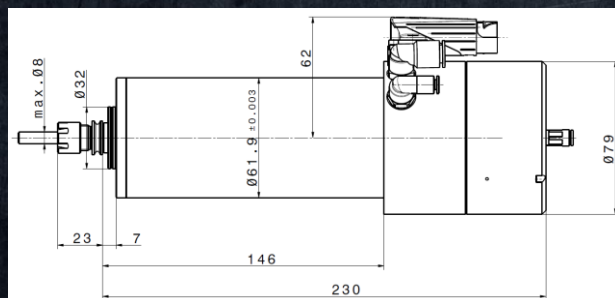
CLAMPING SYSTEM
SK 10 X ER11

4 SPRAY NOZZLES FOR TOOL
COOLING



Speed	6,000 – 60,000rpm
Housing diameter	61.9 mm
Motor system	3 Phase asynchronous motor
Motor type options	62-AC-01
Frequency	100 – 1,000 Hz
Voltage	180 V
Current	S1: 9.5 A, max. 20 A – 5 sec.
Output power	S1: 2000 W, max. 3700 W
Torque	S1: 35 Ncm, max. 130 Ncm
Motor protection	PTC
Weight	3.5 kg
Bearing system	2 x Hybrid, lifetime lubrication
Run-out (taper)	≤ 1 µm
Tooling system	Tool holder SK 10
Chuck clamping range	Up to Ø 8.0 mm (ER11)
Tool change	Pneumatic 4 bar
Cooling system	Internal housing cooling 1.0 l/min
Tool cooling	4 internal channels for spray nozzles
Protection category	IP 55
Protected against dirt and cooling lubricant	Sealing air 20 l/min@stp
Cable / plug type	915
Housing material	Stainless steel
Inverter recommendation	e@syDrive 4638 or CT HS30
Optional	Speed sensor 1Vss sin/cos

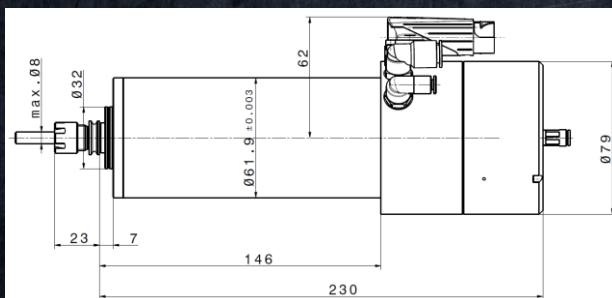
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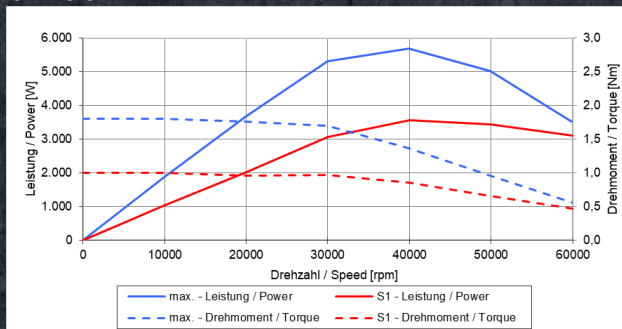
5062 DC-SK10

Speed	6,000 – 60,000rpm	6,000 – 60,000rpm	6,000 – 30,000rpm
Housing diameter	61.9 mm	61.9 mm	61.9 mm
Motor system	BLDC	BLDC	BLDC
Motor type	62-DC-01	64-DC-02	60-DC-04
Frequency	100 – 2,000 Hz	100 – 2,000 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. 4.0 Nm
Motor protection	PTC		
Weight	3.5 kg		
Bearing system	2 x Hybrid, lifetime lubrication		
Run-out (taper)	$\leq 1 \mu\text{m}$		
Tooling system	Tool holder SK 10		
Chuck clamping range	Up to $\varnothing 8.0 \text{ mm}$ (ER11)		
Tool change	Pneumatic 4 bar		
Cooling system	Internal housing cooling 1.0 l/min		
Tool cooling	4 internal channels for spray nozzles		
Protection category	IP 55		
Protected against dirt and cooling lubricant	Sealing air 20 l/min@stp		
Cable / plug type	915		
Housing material	Stainless steel		
Inverter recommendation	e@syDrive 4638 / S&M SD45		
Optional	Speed sensor 1Vss sin/cos		

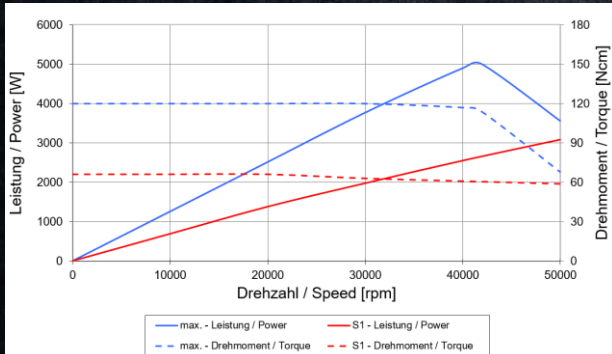
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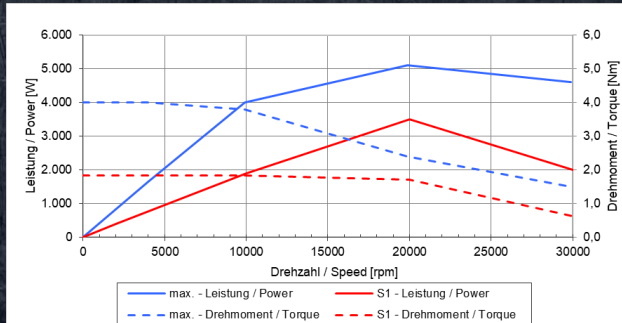
64-DC-02



62-DC-01



60-DC-04





high efficient drive technology

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