

ELEKTROSPINDELN MTC
MTC ELECTROSPINDLES



High-Tech-Komponenten für Hersteller von Werkzeugmaschinen.

-- **High-tech components** for machine tool manufacturers.

Hiteco ist auf die Planung und Konstruktion von elektromechanischen, industriellen High-Tech-Komponenten für Werkzeugmaschinen spezialisiert.

Elektrospindeln A.T.C., Elektrospindeln M.T.C., doppelt drehende Köpfe, Bohrköpfe und Aggregate.

Hiteco is specialized in design and manufacture of high technology industrial electromechanical components for machine tools. **A.T.C. electrospindles, M.T.C. electrospindles, birotary heads, boring units and aggregates.**



Hiteco präsentiert sich am internationalen Markt mit einem breitem Spektrum an Produkten für die Bearbeitung von: **Holz, Kunststoff, innovativen Werkstoffen, Glas, Stein und Metall.**

Hiteco offers a wide range of products on international market for **wood, plastic, advanced materials, glass, stone and metal processing.**



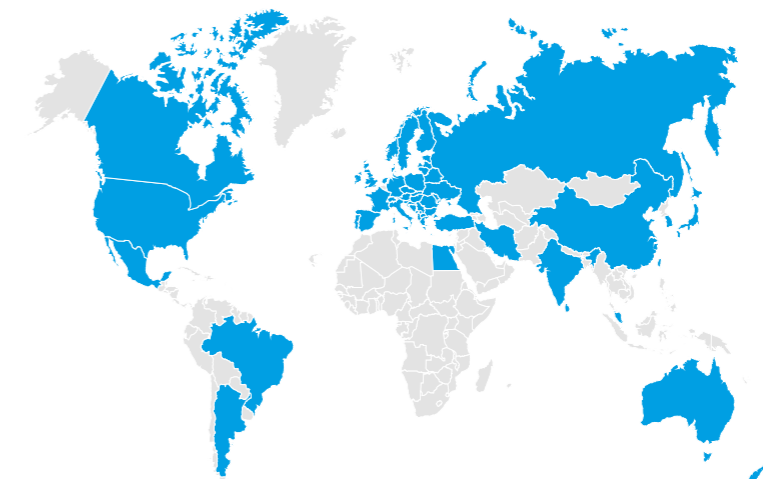
Hiteco wurde 1977 als interne Abteilung von **SCM Group** gegründet, dem weltweit führenden Unternehmen in der Herstellung von Werkzeugmaschinen für die Bearbeitung eines breiten Spektrums an Materialien, und ist seither exponentiell gewachsen. Im Jahr 2008 **wurde es zu einem eigenständigen Unternehmen, das externe Kunden beliefert.** Heute stellt Hiteco Produkte her, die auf dem Markt der Komponenten Maßstäbe setzen, und gehört zu den wichtigsten Akteuren des Sektors weltweit.

Hiteco founded in 1977 as an internal division of the **SCM Group**, leading company in machine tools construction for processing a wide range of materials, had an increasingly exponential growth. In 2008 it become **a profit unit for external customers.** Today Hiteco offers key products for the components market, becoming one of the most important world players in the sector.



Eine **engmaschige Präsenz**, die weltweit **einen Best-in-Class Service** gewährleistet .

-- **A capillary presence** for a **best-in-class** and **worldwide service.**



Die engmaschige Präsenz des Unternehmens entspricht dem Wunsch von Hiteco, den Kunden vor Ort mit **spezialisierten Technikern**, die eine sehr schnelle, professionelle Hilfe gewährleisten, beiseite zu stehen: nicht nur, um Ausfallzeiten der Maschinen und Probleme bei der Produktion zu vermeiden, sondern auch um mit effizienten, innovativen Lösungsvorschlägen einen Mehrwert zu erzeugen. Diese besondere Aufmerksamkeit gegenüber unseren Kunden ist - neben den schnellen Lieferzeiten - einer der Gründe, warum Hiteco auf dem internationalen Markt die höchste **Kundenzufriedenheit** genießt.

The widespread distribution of the company responds to the desire of Hiteco to be close to the customer with the presence of **specialized technicians** on the territory who guarantee an extremely rapid and professional response: not only to reduce machine downtimes and production problems, but also to create added value with the proposal of effective and innovative solutions. Such care, in addition to reduced delivery times, is one of the reason that led Hiteco to have the highest **customer satisfaction** on the international market.



INHALT INDEX



Hitco behält sich das Recht vor, Verbesserungen an den Technologien und den im Katalog präsentierten Produkten vorzunehmen
Hitco reserves the right to make improvements to the technologies and models presented in the catalog

IDENTIFIZIERUNGSCODE DER ELEKTROSPINDELN / ELECTROSPINDLE IDENTIFICATION KEY

Example **QE TF 10/TI 24 63F NC CB EN BT OQ IS**

MODELL (GEHÄUSEGRÖSSE) / MODEL (HOUSING DIMENSION)

QD	102 X 119,5 mm
	110 X 111 mm
QE	130 X 140 mm
QF	150 X 160 mm
QM	215 X 245 mm, 230x230 mm
QX	130 X 130 mm
PX	150 X 150 mm
HX	150 X 150 mm
QT	150 X 150 mm
HT	150 X 150 mm
HD	130 X 130 mm
KX	Ø 202 mm
ML/MA	Ø 158, Ø 166, 135 x 137, 157 x 165
MG	200 X 200 mm
QN	102 X 119,5 mm
MQH1	205 X 175 mm
XS	70 X 65 mm

KÜHLUNG / COOLING TYPE

1F= ELEKTROLÜFTER / ELECTROFAN	
1C= DRUCKLUFT / PRESSED AIR	
2= FLÜSSIGKEIT / LIQUID	
1= LÜFTER AUF WELLE / FAN ON SHAFT	

NENNLEISTUNG (S1) @ GESCHWINDIGKEIT / RATED POWER (S1) @ SPEED

MAX. LEISTUNG @ GESCHWINDIGKEIT/MAX POWER @ SPEED

MAX. GESCHWINDIGKEIT / MAX SPEED

WERKZEUG-SPANNFUTTER / TOOL HOLDER

63F = HSK63F
32E = HSK32E
40E = HSK40E
63E = HSK63E
85S = HSK85S
80F = HSK80F
63A = HSK63A
130 = ISO30
140 = ISO40
ER25
ER32
ER40
WELLE/SHAFT, D=12, 16, 30, 40, 50

SPINDELNASE / SPINDLE NOSE

NC= KURZE NASE/SHORT NOSE
NL= LANGE NASE/LONG NOSE
CH = COMPACT SHORT NOSE
LH = COMPACT LONG NOSE

ELEKTROANSCHLUSS / ELECTRIC CONNECTION

CB= BASISANSCHLUSS / BASIC CONNECTION
CC= RUNDER ANSCHLUSS / CIRCULAR CONNECTION
PP= SCHNELLANSCHLUSS / PLUG AND PLAY CONNECTION
SC= OHNE STECKER / FLYING CABLE

ENCODER

ES= ENCODER 1 VPP (SYNUSOIDAL WAVE)
EN= ENCODER TTL (SQUARE WAVE)

SPANNUNG / VOLTAGE

BT= DUALE SPANNUNGSVERSORGUNG 220V/380V
220 V

OPTIONAL

OQ=OIL MIST+MQL (Minimal Quantity Lubrication)
AT= AIR TOOL
OM= OIL MIST
CTS= CTS SCHMIERUNG / COOLANT THROUGH THE SHAFT

SONSTIGE VARIANTEN / OTHER VARIANTS

SCHWINGUNGSSENSOR / VIBRATION SENSOR	
ÜBERWACHUNG DER LAGERTEMPERATUR / BEARING TEMPERATURE MONITORING	
GESCHWINDIGKEITSMESSE / SPEED MONITORING	
S5 - SENSOR KOLBENRÜCKLAUF / PISTON BACK SENSOR	
TEMPERATURSENSOR / TEMPERATURE SENSOR	
SPINDLE - DIGITAL COMMUNICATION ON FIELDBUS / DIGITALE KOMMUNIKATION DER SENSOREN AUF FIELDBUS	

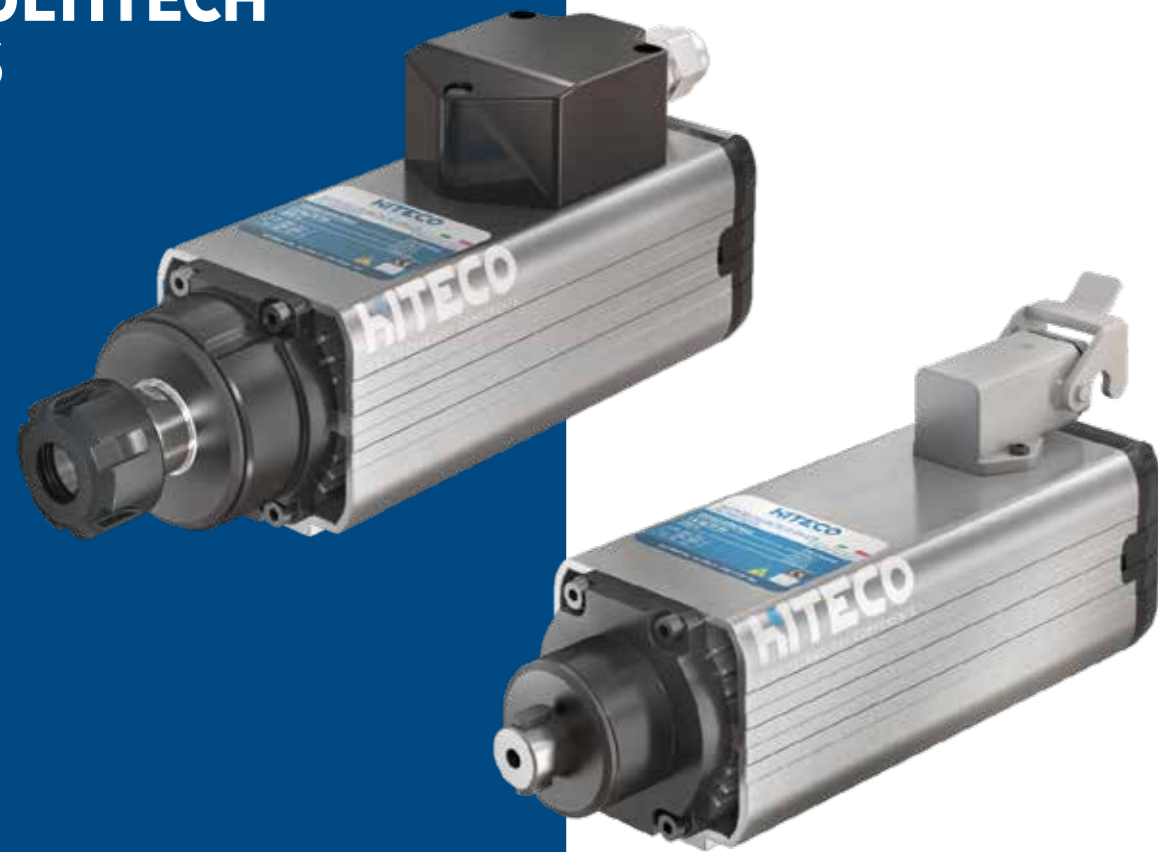
MULTITECH	MULTITECH XS	MULTITECH S	MULTITECH QN	MULTITECH MA	MULTITECH ML	MULTITECH MQH
0.19/12 12		p.15				
0.35/12 12	p. 9					
0.55/12 12	p. 10					
0.65/12 12	p. 11					
1/18 24	p. 12					
1.5/12 12		p. 16				
1.8/12 12		p. 17				
1.5/18 24		p. 18				
3/18 18			p. 21			
3/18 24			p. 19/22			
4.5/18 18			p. 21			
4.5/18 24			p. 22			
6.5/18 18			p. 25			
6.5/18 24			p. 25			
7.5/12 24				p. 27	p. 29/31/33	
8/6 9						p. 41
9.5/12 24					p. 35/37	
10/12 24					p. 29/31/33	
12/12 24					p. 35/37/39	
13/6 9						p. 41

ADDITIONAL EQUIPMENT

C-AXIS FOR POWERTECH 300-400	p. 42
REFERENCE SLEEVE	p. 42
TOOL HOLDER	p. 43
TOOL FINGER	p. 43
HEAT EXCHANGER	p. 43

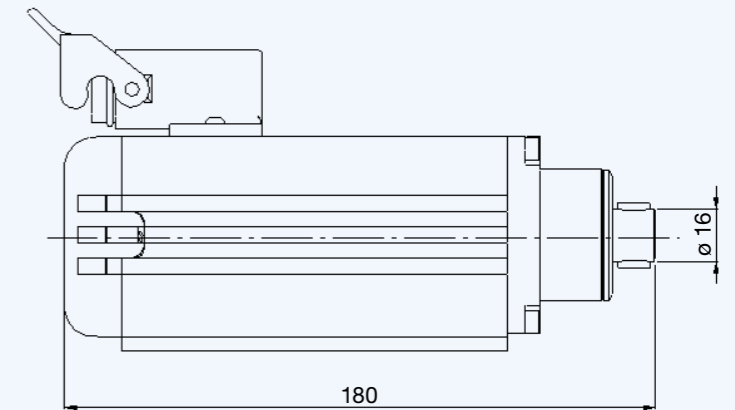
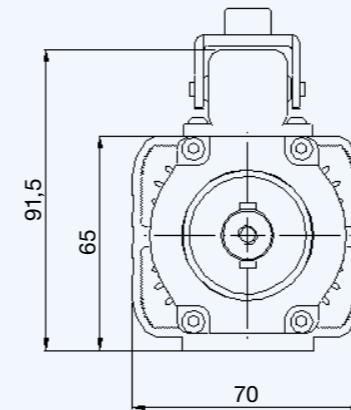


MULTITECH XS



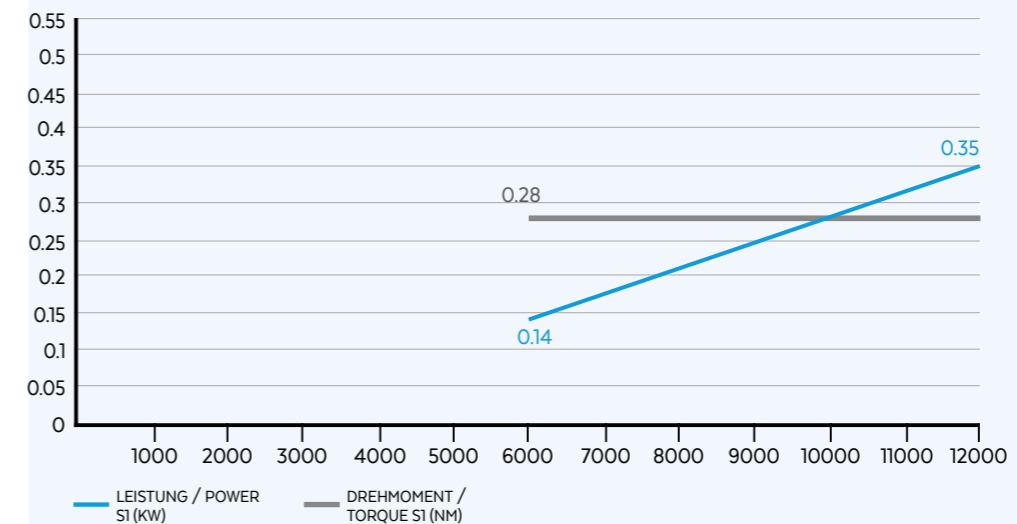
SUITABLE FOR MACHINING WOOD
EFFICIENT COOLING AND LOW NOISE LEVEL
SHAFT ROTATION SENSOR

LAYOUT D16 L13 - 0.35 KW



XS-1 0.35/12 12

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

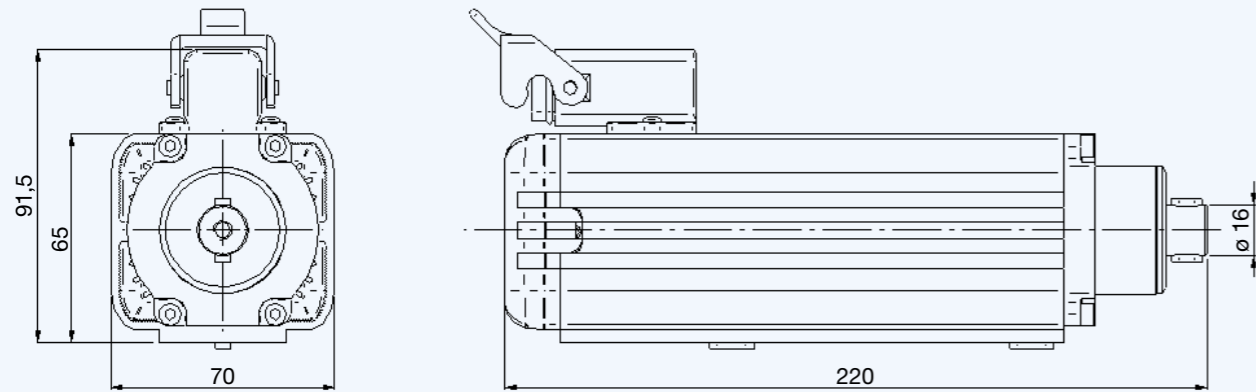
SI kW 0.35	SI A 1.8	Pol es 2
SI Nm 0.28	Volt 220	Supply inverter
rpm 12000	kg 2.7	

AUSRÜSTUNG / EQUIPMENT

- Shaft D16
- Cooling by shaft-driven fan
- Manual tool change (M.T.C.)
- Steel bearings
- Grease lubrication

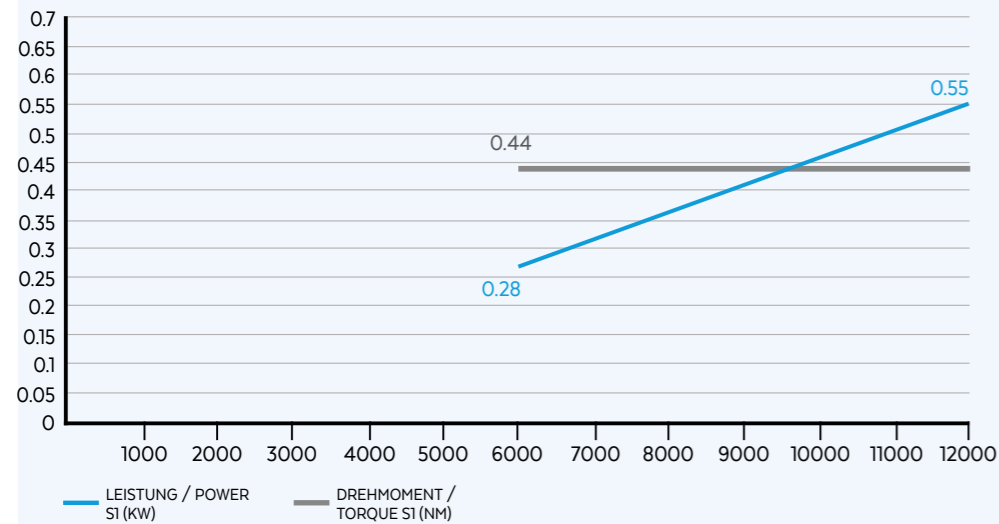


LAYOUT D16 L13 - 0.55 KW



XS-1 0.55/12 12

LEISTUNGEN / PERFORMANCES

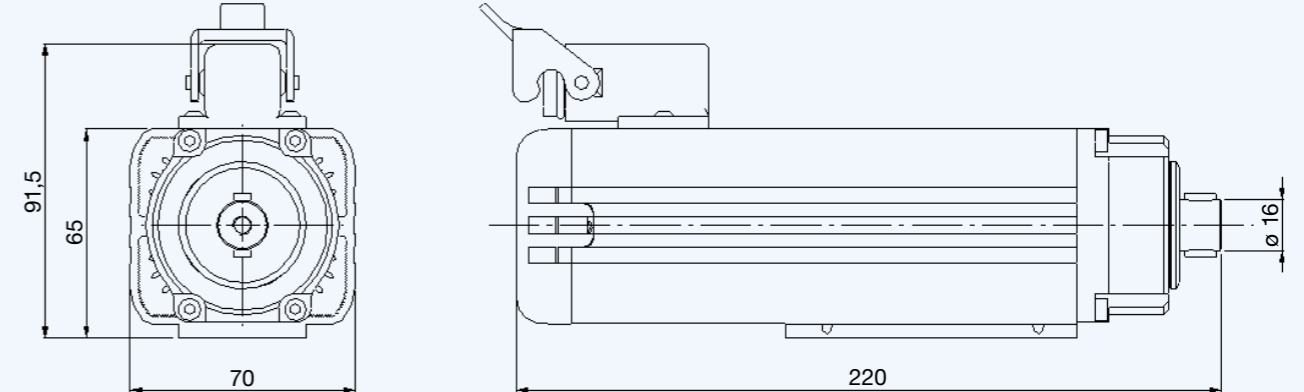


TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1 kW 0.55	S1 A 2.7	Pol es 2	Shaft D16	Cooling by shaft-driven fan	Manual tool change (M.T.C)
S1 Nm 0.44	Volt 220	Supply inverter	Steel bearings	Grease lubrication	
rpm 12000	kg 3.2				

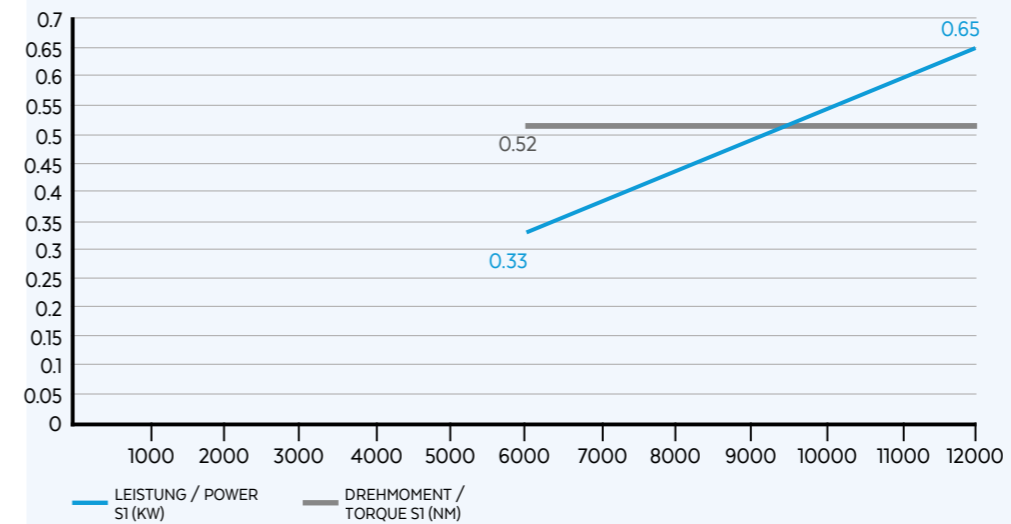
AUSRÜSTUNG / EQUIPMENT

LAYOUT D16 L13 - 0.65 KW



XS-1 0.65/12 12

LEISTUNGEN / PERFORMANCES

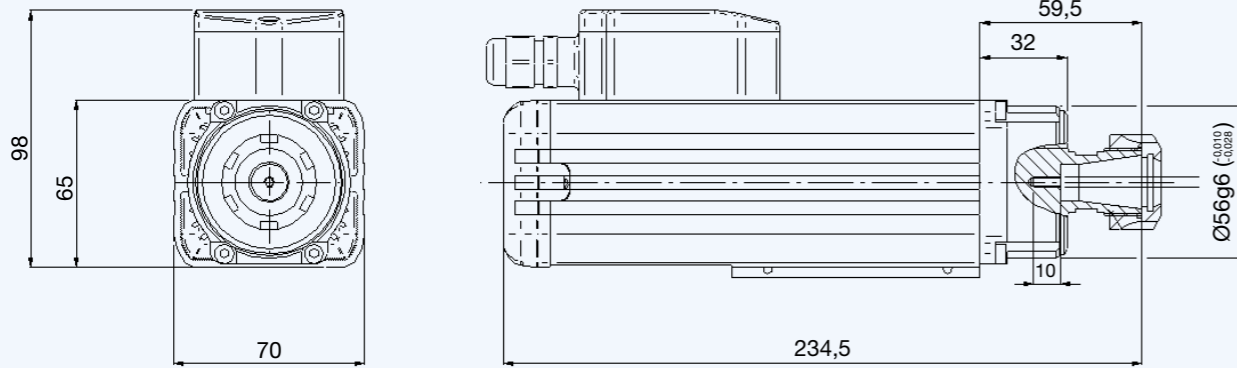


TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1 kW 0.65	S1 A 3	Pol es 2	Shaft D16	Cooling by shaft-driven fan	Manual tool change (M.T.C)
S1 Nm 0.52	Volt 220	Supply inverter	Steel bearings	Grease lubrication	
rpm 12000	kg 3.3				

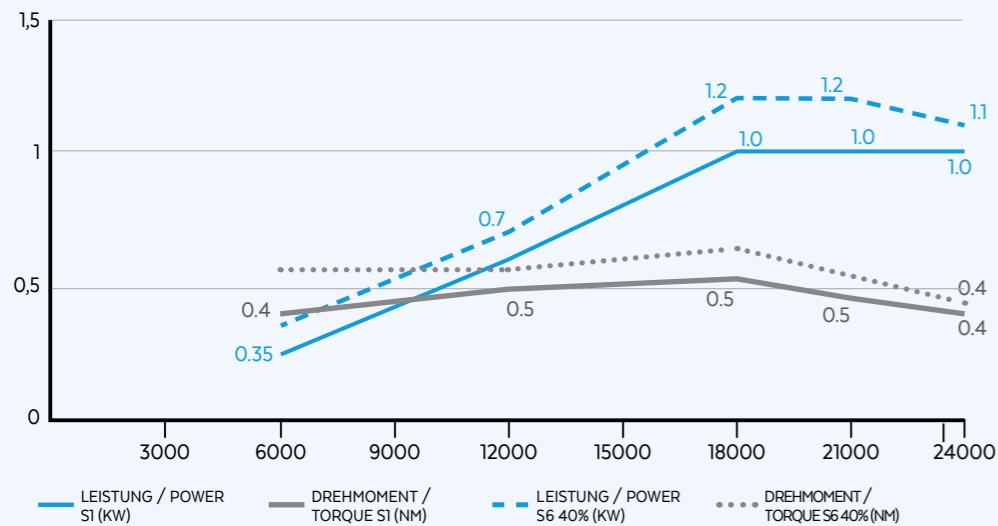
AUSRÜSTUNG / EQUIPMENT

LAYOUT ER20 DX BT - 1 KW



XS-11/18 24

LEISTUNGEN / PERFORMANCES

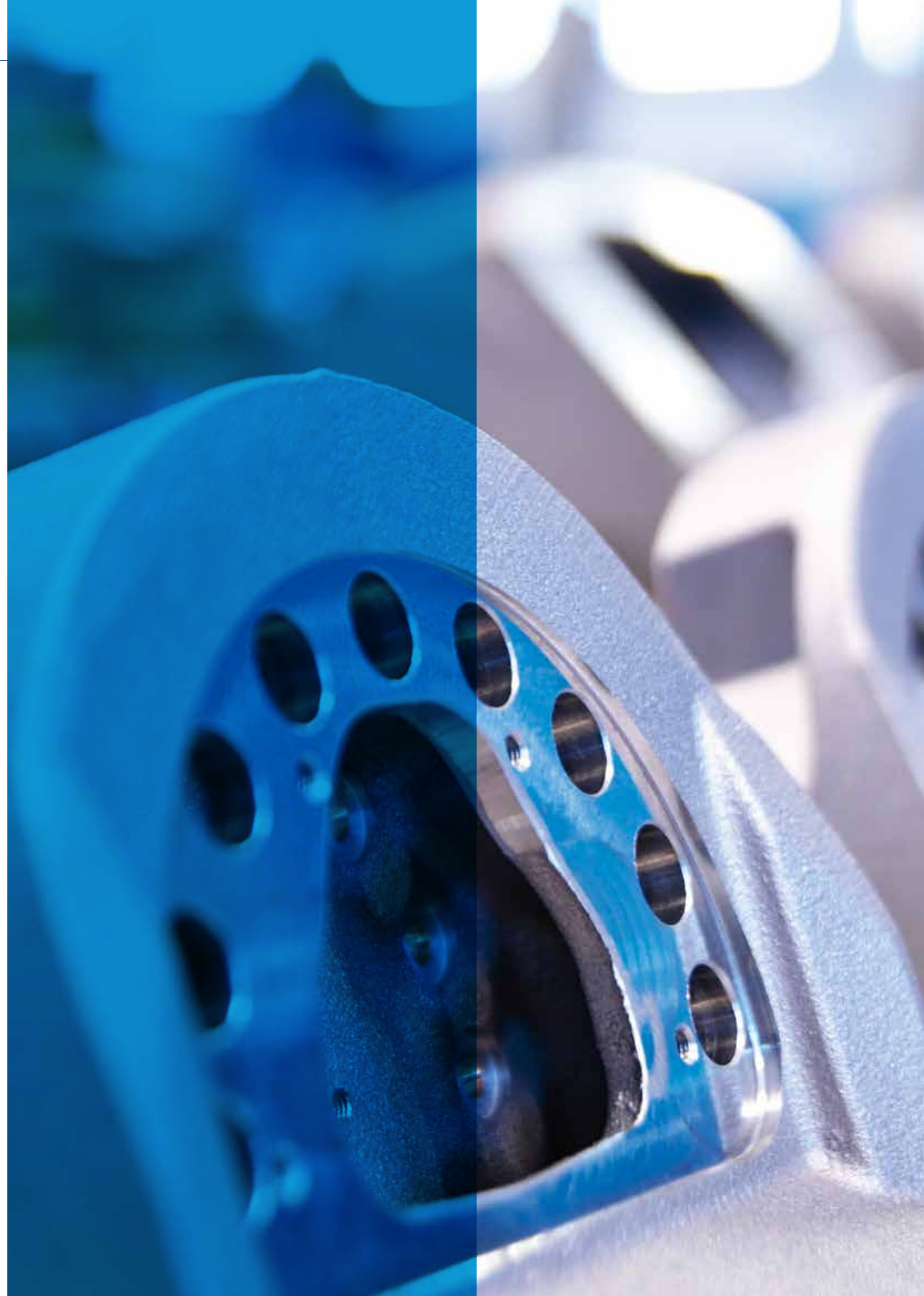


TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

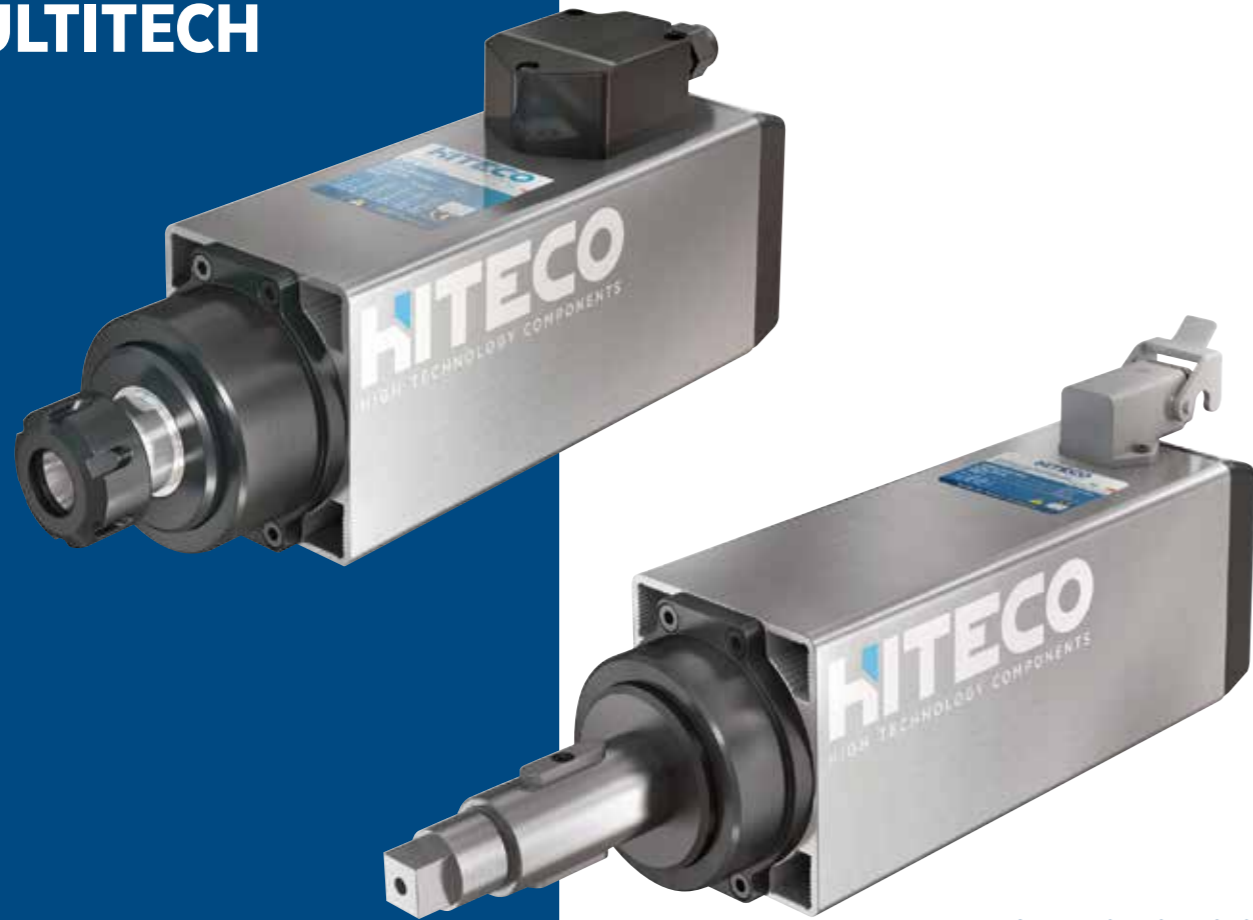
S1-S6 kW 1/1.2	S1-S6 A 3/3.5	Pol es 2
S1-S6 Nm 0.5/0.6	Volt 220/380	Supply inverter
rpm 24000	kg 3	

AUSRÜSTUNG / EQUIPMENT

ER 20DX	Cooling by shaft-driven fan	Manual tool change (M.T.C.)
Steel bearings	Grease lubrication	

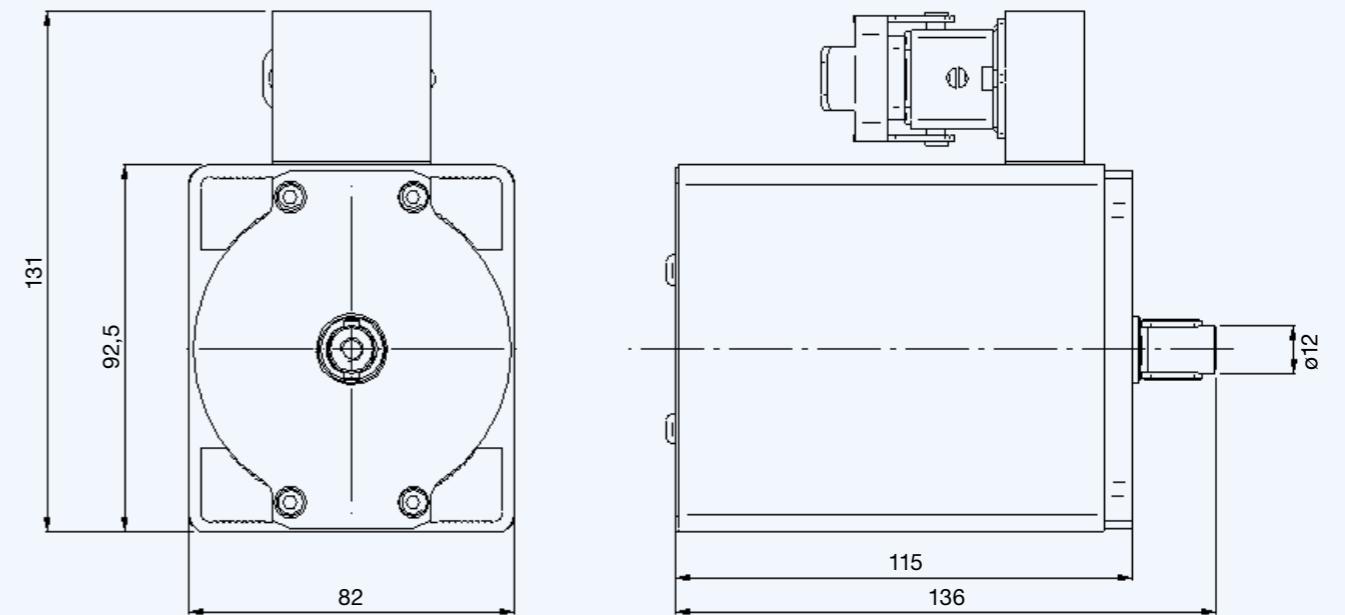


MULTITECH S



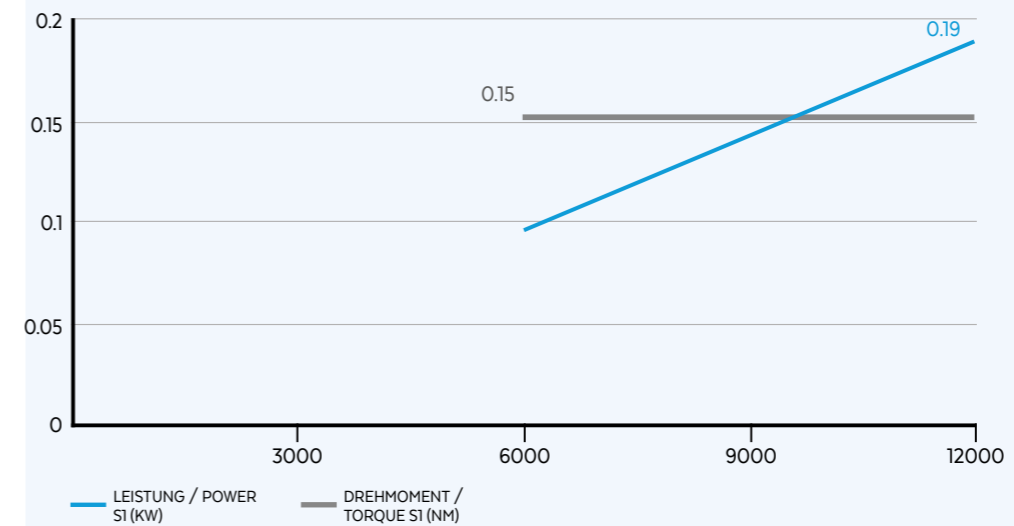
SUITABLE FOR MACHINING WOOD
EFFICIENT COOLING AND LOW NOISE LEVEL
SHAFT ROTATION SENSOR

LAYOUT D12 L 19 - 0.19 KW



S-1 0.19/12 12

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

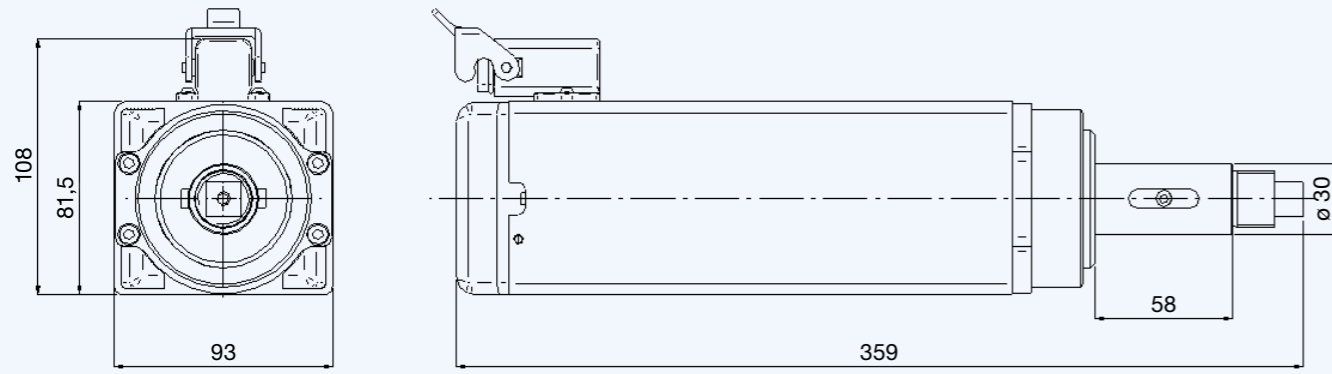
S1 kW 0.19	S1 A 1.4	Pol es 2
S1 Nm 0.15	Volt 220	Supply inverter
rpm 12000	kg 2	

AUSRÜSTUNG / EQUIPMENT

- Shaft D12
- Cooling by shaft-driven fan
- Manual tool change (M.T.C.)
- Steel bearings
- Grease lubrication

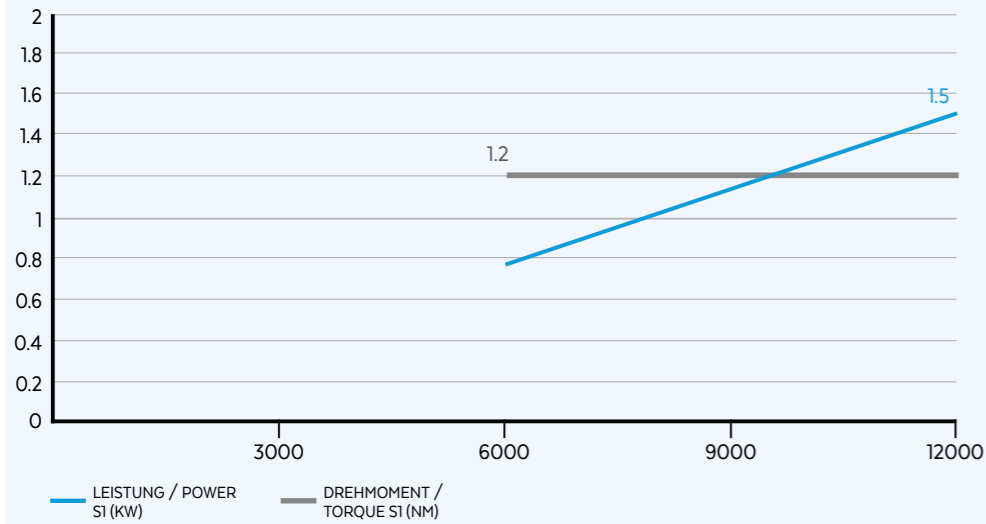


LAYOUT D30 L58 - 1.5 KW



S-11.5/12 12

LEISTUNGEN / PERFORMANCES



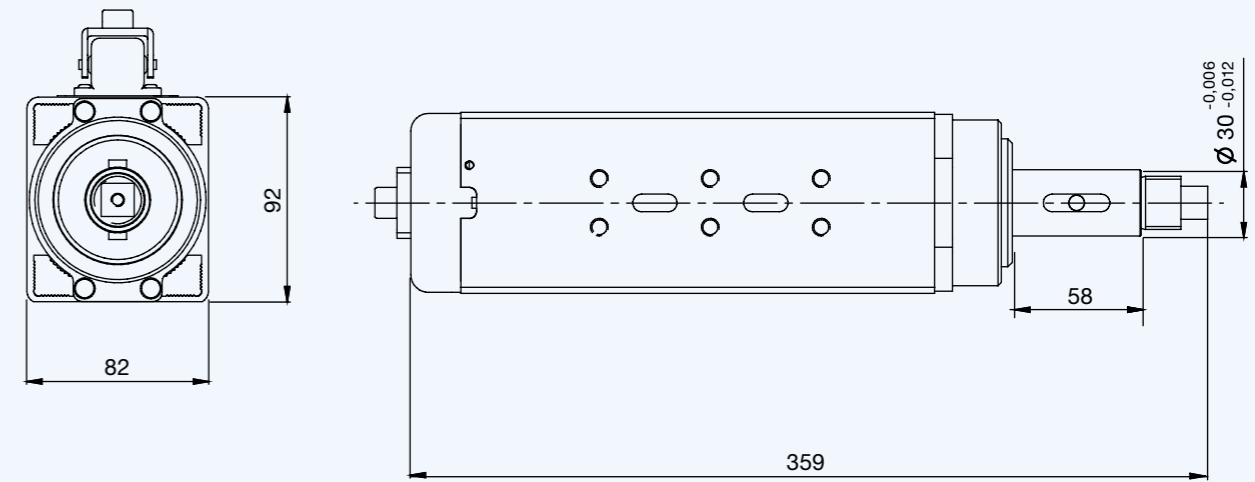
TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

1.5 kW **5.7 A** **2 Poles**
1.2 Nm **220 Volt** **inverter Supply**
12000 rpm **8 kg**

AUSRÜSTUNG / EQUIPMENT

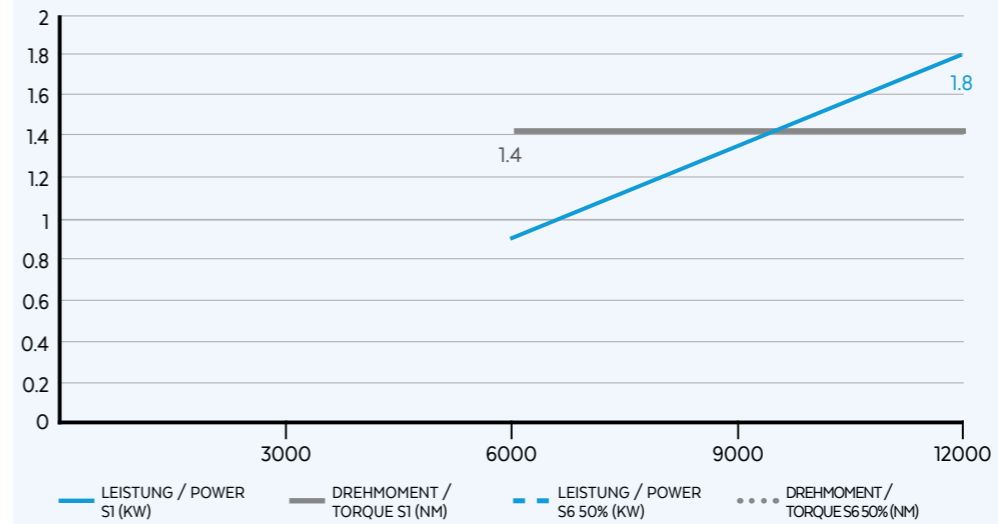
Shaft D30, Cooling by shaft-driven fan, Manual tool change (M.T.C), Steel bearings, Grease lubrication

LAYOUT D30 L58 - 1.8 KW



S-11.8/12 12

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

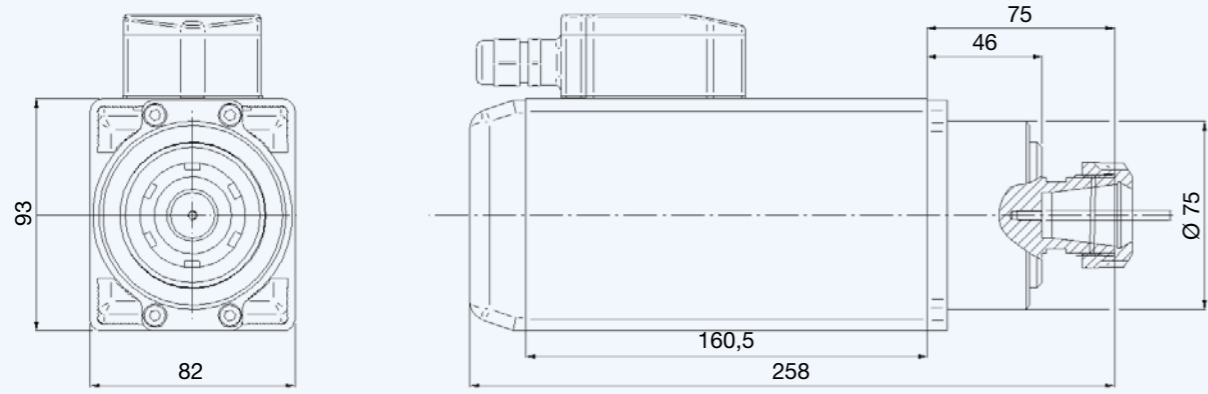
1.8 kW **6.5 A** **2 Poles**
1.4 Nm **220 Volt** **inverter Supply**
12000 rpm **8 kg**

AUSRÜSTUNG / EQUIPMENT

Shaft D30, Cooling by shaft-driven fan, Manual tool change (M.T.C), Ceramic ball bearings, Grease lubrication

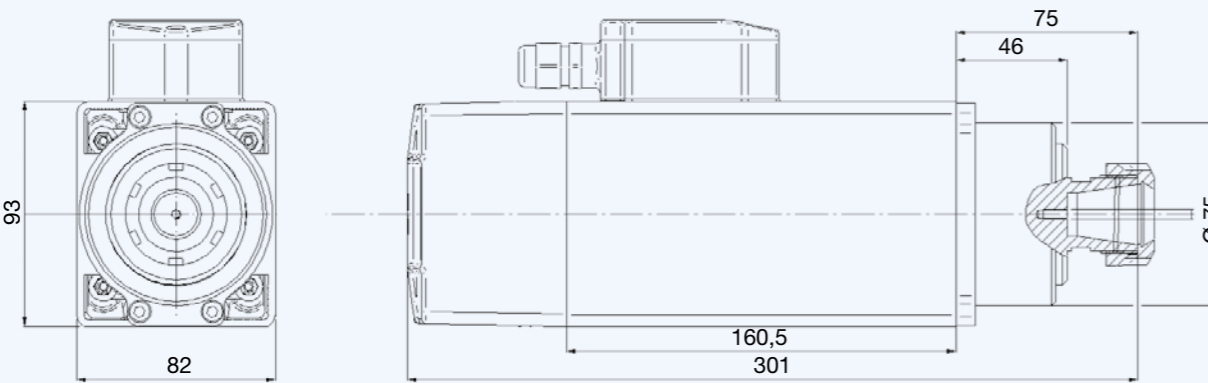
LAYOUT ER25 DX BT

COOLING BY SHAFT-DRIVEN FAN



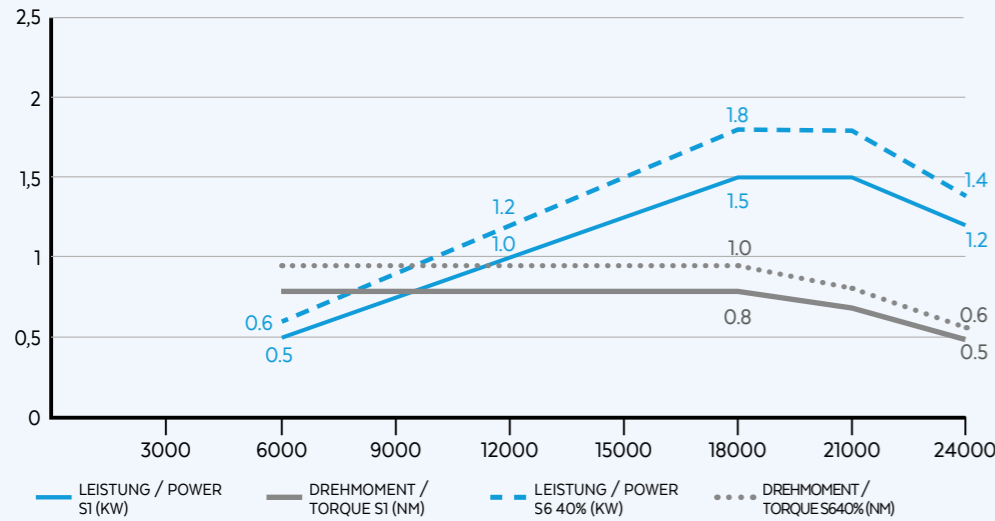
LAYOUT ER25 DX BT

ELECTROFAN COOLING

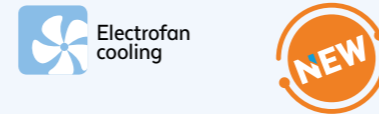


S-11.5/18 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

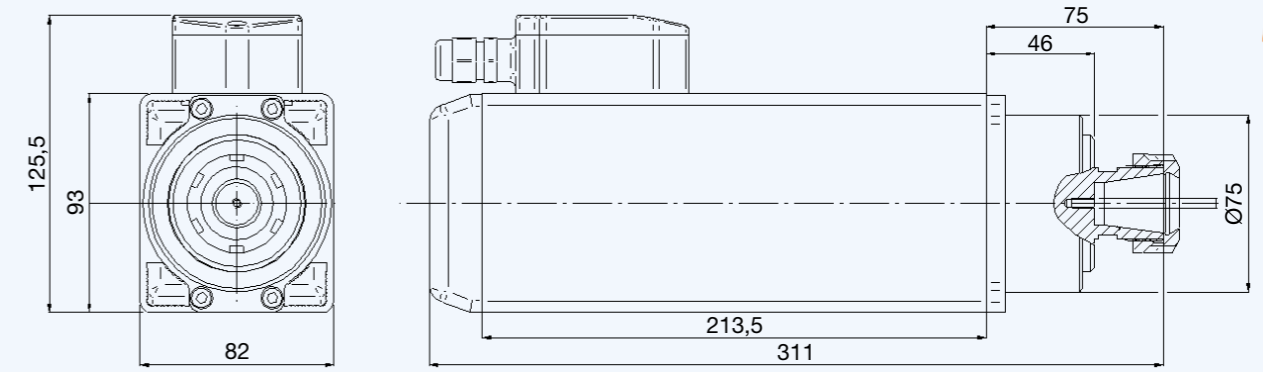
S1-S6 kW 1.5/1.8
S1-S6 A 3.5/4.0
S1-S6 Nm 0.8/1.0
rpm 24000
Pol es 2
Volt 220/380
Supply inverter

AUSRÜSTUNG / EQUIPMENT

ER25 DX
 Cooling by shaft-driven fan
 Manual tool change (M.T.C.)
 Steel bearings
 Grease lubrication

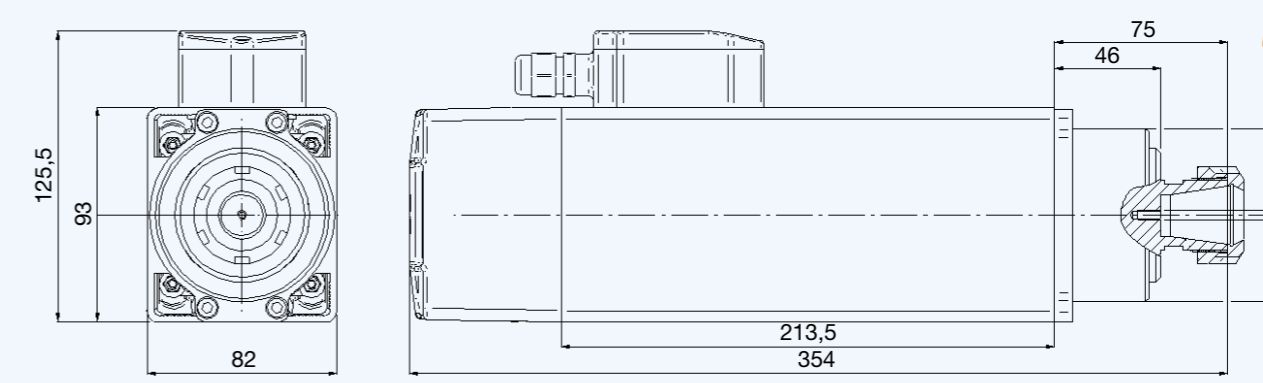
LAYOUT ER25 DX BT

COOLING BY SHAFT-DRIVEN FAN



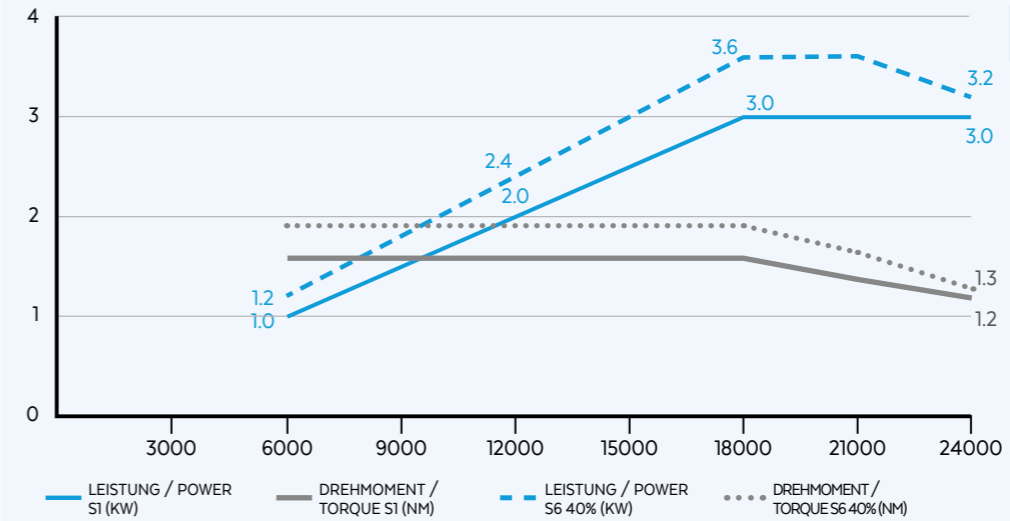
LAYOUT ER25 DX BT

ELECTROFAN COOLING

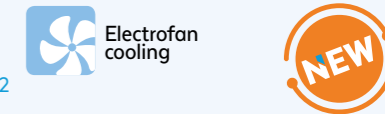


S-13/18 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 3/3.6
S1-S6 A 6.5/7
S1-S6 Nm 1.6/1.9
rpm 24000
Pol es 2
Volt 220/380
Supply inverter

AUSRÜSTUNG / EQUIPMENT

ER25 DX
 Cooling by shaft-driven fan
 Manual tool change (M.T.C.)
 Ceramic ball bearings
 Grease lubrication

MULTITECH QN

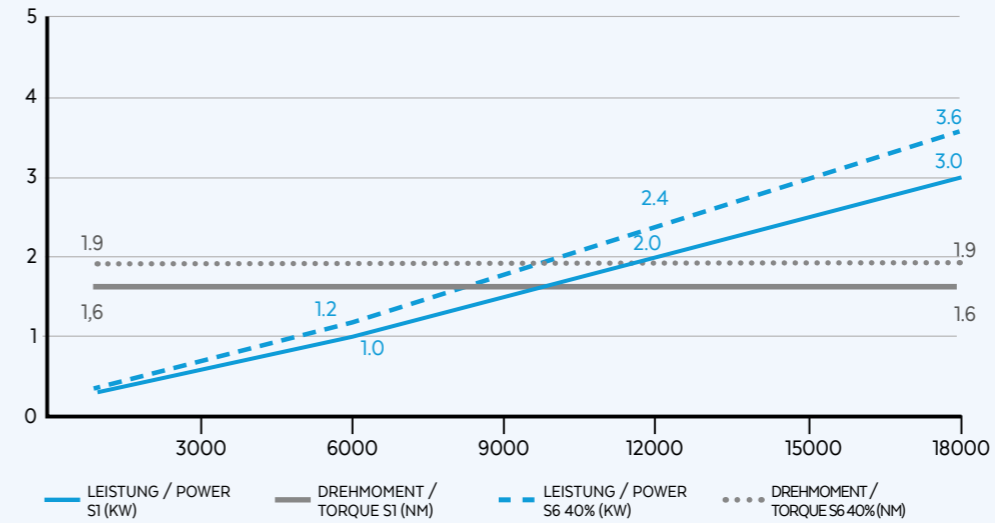


SUITABLE FOR MACHINING WOOD AND ALUMINUM
AVAILABLE WITH ELECTROFAN, COMPRESSED AIR AND SHAFT-POWERED FAN COOLING
AVAILABLE WITH CERAMIC BEARINGS AVAILABLE WITH ER 32 AND HSK 40C

QN-1 3/18 18 BT

COOLING BY SHAFT-DRIVEN FAN

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS

- COMPRESSED AIR Compressed air cooling
- ELECTROFAN Electrofan cooling

TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

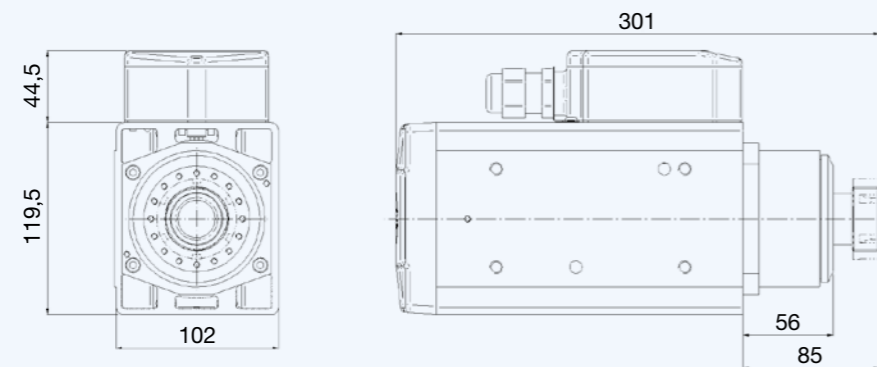
- Power: 3/3.6 kW
- Current: 8/8.5 A
- Speed: 18000 rpm
- Voltage: 220/380 Volt
- Weight: 14 kg
- Supply: inverter
- Pol es: 2

AUSRÜSTUNG / EQUIPMENT

- ER32DX
- Steel bearings
- Cooling by shaft-driven fan
- Manual tool change (M.T.C)
- Grease lubrication

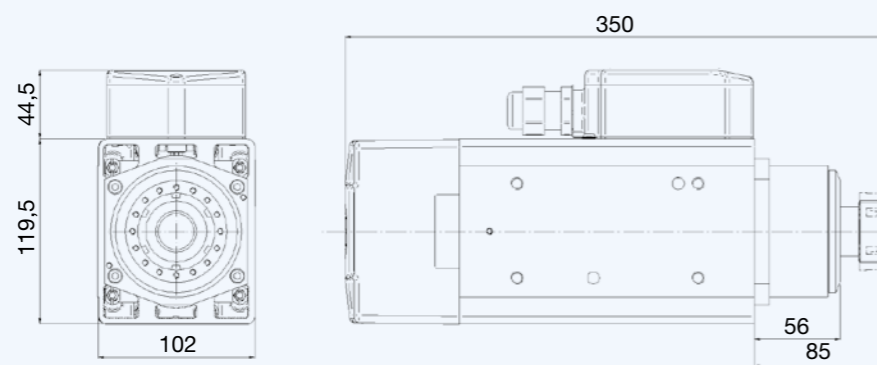
LAYOUT ER 32 DX

COOLING BY SHAFT - DRIVEN FAN



LAYOUT ER 32 DX

ELECTROFAN COOLING



WEITERE LAYOUTS / OTHER LAYOUTS

L tot

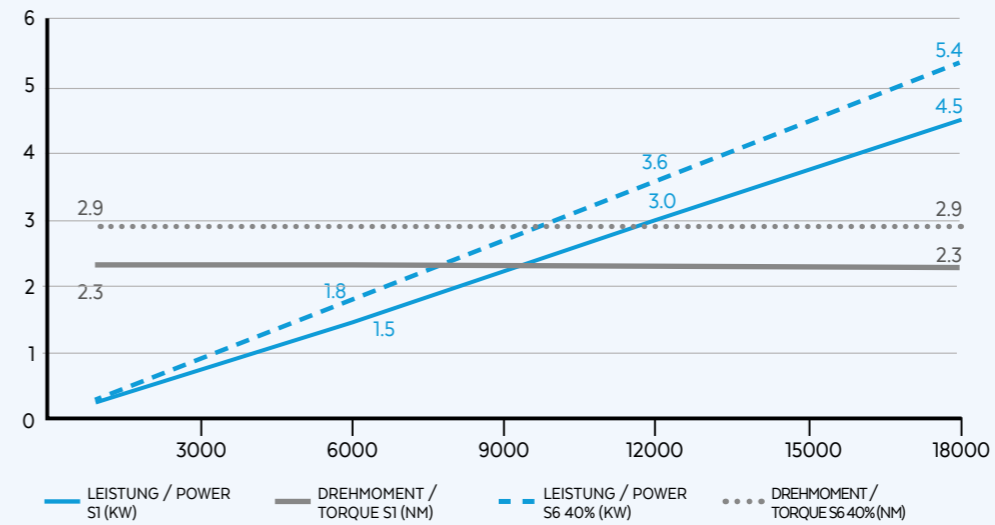
306 mm

Druckluft / Compressed air

QN-1 4.5/18 18 BT

COOLING BY SHAFT-DRIVEN FAN

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS

- COMPRESSED AIR Compressed air cooling
- ELECTROFAN Electrofan cooling

TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

- Power: 4.5/5.4 kW
- Current: 9.5/15 A
- Speed: 18000 rpm
- Voltage: 220/380 Volt
- Weight: 14 kg
- Supply: inverter
- Pol es: 2

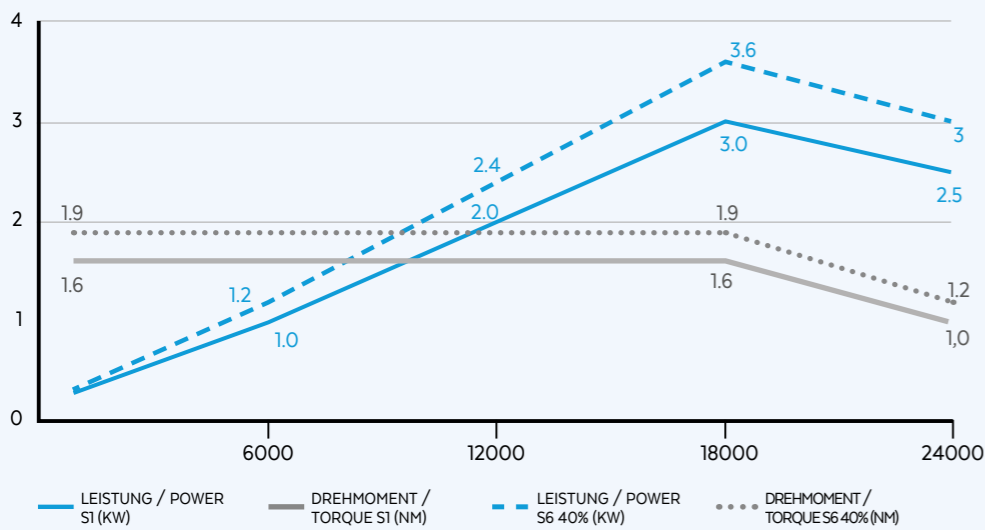
AUSRÜSTUNG / EQUIPMENT

- ER32DX
- Steel bearings
- Cooling by shaft-driven fan
- Manual tool change (M.T.C)
- Grease lubrication

QN-IF 3/18 24 BT

ELECTROFAN COOLING

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 3/3.6
S1-S6 A 8/9
Pol es 2
S1-S6 Nm 1.6/1.9
Volt 220/380
Supply inverter
rpm 24000
kg 14

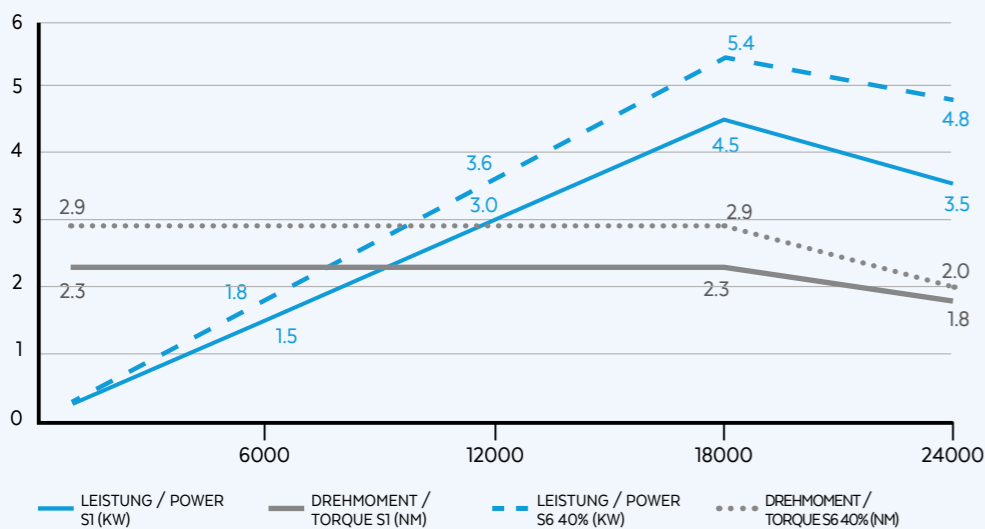
AUSRÜSTUNG / EQUIPMENT

ER32DX
 Electrofan cooling
 Manual tool change (M.T.C.)
 Grease lubrication
 Ceramic ball bearings

QN-IF 4.5/18 24 BT

ELECTROFAN COOLING

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 4.5/5.4
S1-S6 A 10/15
Pol es 2
S1-S6 Nm 2.3/2.9
Volt 220/380
Supply inverter
rpm 24000
kg 14

AUSRÜSTUNG / EQUIPMENT

ER32DX
 Electrofan cooling
 Manual tool change (M.T.C.)
 Grease lubrication
 Ceramic ball bearings



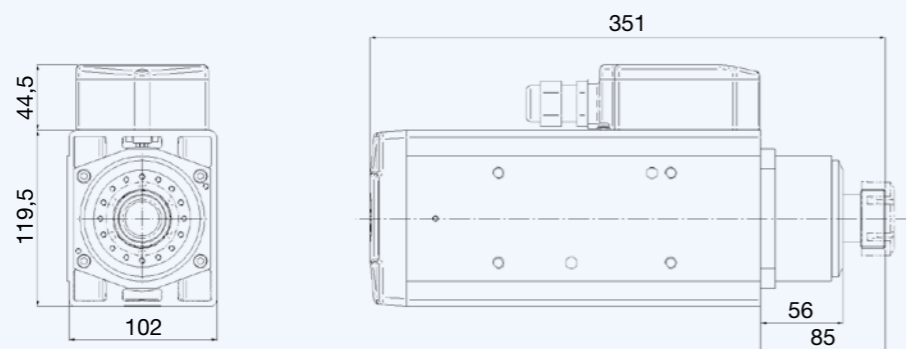
MULTITECH QN



SUITABLE FOR MACHINING WOOD AND ALUMINUM
AVAILABLE WITH ELECTROFAN, COMPRESSED AIR AND SHAFT-POWERED FAN COOLING
AVAILABLE WITH CERAMIC BEARINGS AVAILABLE WITH ER 32 AND HSK 40C

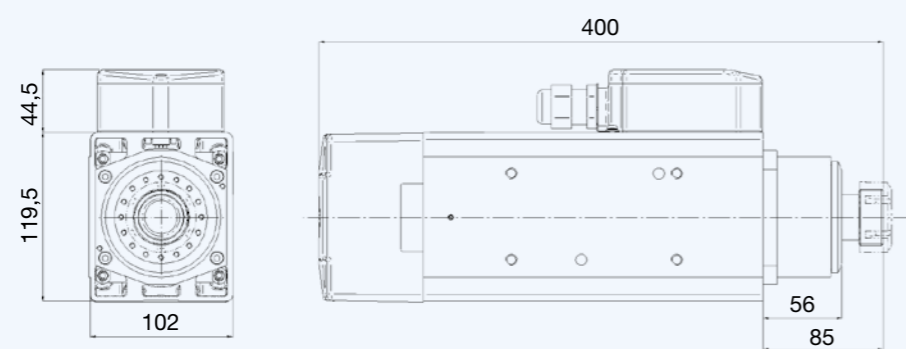
LAYOUT ER 32 DX

COOLING BY SHAFT - DRIVEN FAN



LAYOUT ER 32 DX

ELECTROFAN COOLING



L tot

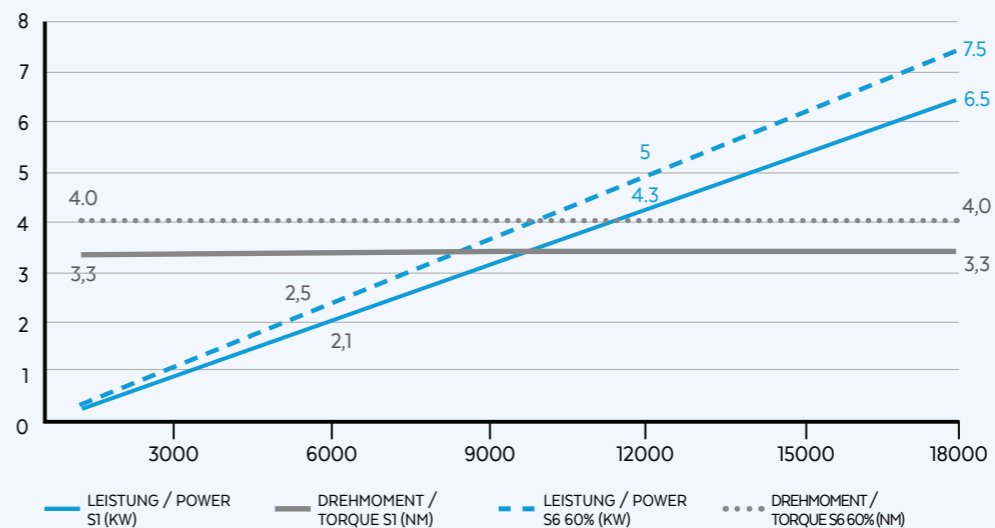
356 mm

Druckluft / Compressed air

QN-1 6.5/18 18 BT

COOLING BY SHAFT-DRIVEN FAN

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / ACCESSORIES

- HSK 40C
- COMPRESSED AIR Compressed air cooling
- Electrofan cooling



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

- S1-S6 kW 6.5/7.5
- S1-S6 A 13/15
- Pol es 2
- S1-S6 Nm 3.3/4
- Volt 220/380
- Supply inverter
- rpm 18000
- kg 14

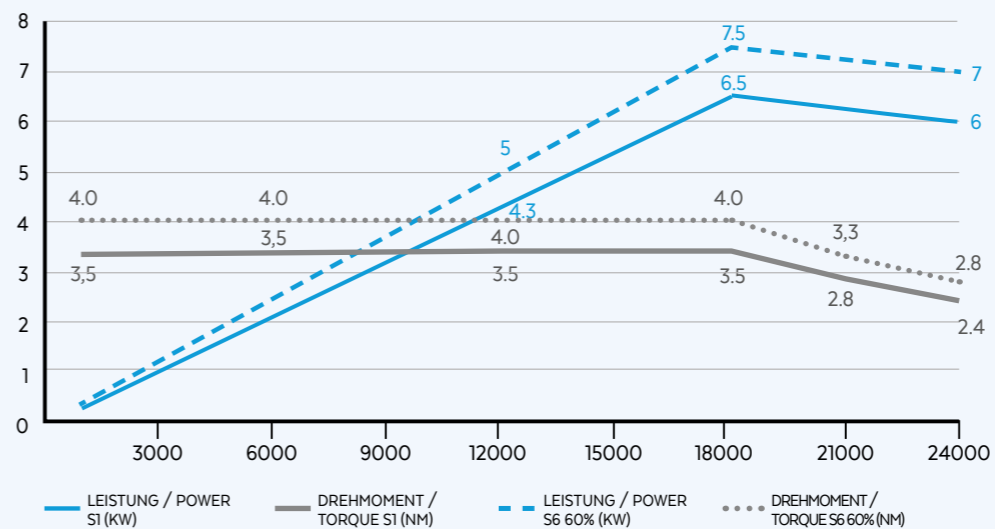
AUSRÜSTUNG / EQUIPMENT

- ER32DX
- cooling by shaft-driven fan
- Manual tool change (M.T.C)
- Grease lubrication
- Steel bearings

QN-1F 6.5/18 24 BT

ELECTROFAN COOLING

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / ACCESSORIES

- HSK 40C
- COMPRESSED AIR Compressed air cooling
- Electrofan cooling



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

- S1-S6 kW 6.5/7.5
- S1-S6 A 13/15
- Pol es 2
- S1-S6 Nm 3.5/4
- Volt 220/380
- Supply inverter
- rpm 24000
- kg 14

AUSRÜSTUNG / EQUIPMENT

- ER32DX
- Electrofan cooling
- Manual tool change (M.T.C)
- Grease lubrication
- Ceramic ball bearings

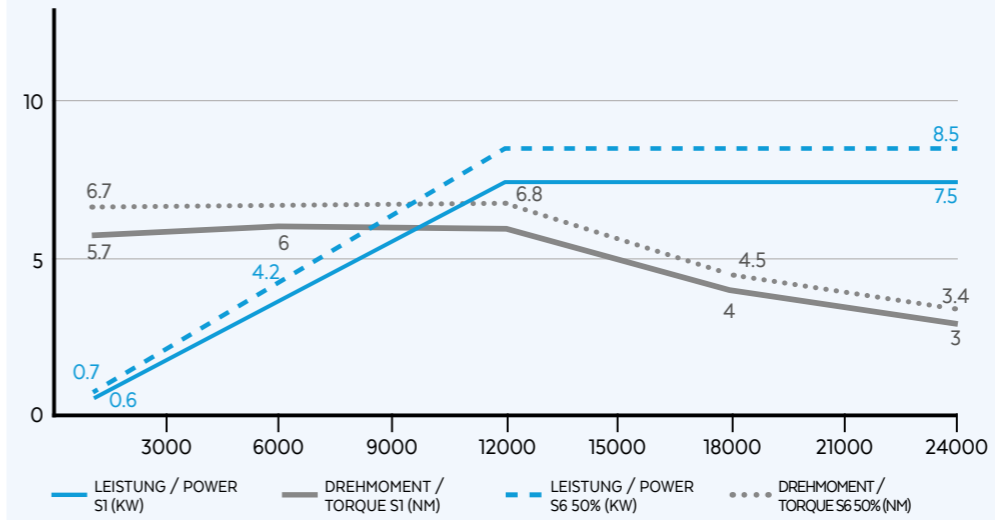
MULTITECH MA



SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
VERY EFFICIENT COMPRESSED AIR COOLING
AVAILABLE WITH ER 32

MA-1C 7.5/12 24

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

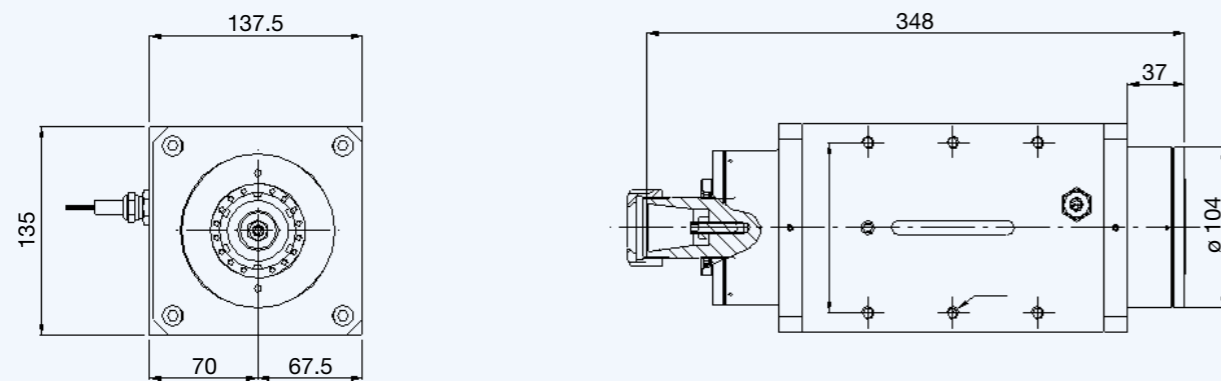
S1-S6 kW 7.5/8.5	S1-S6 A 16/17	Pol es 4
S1-S6 Nm 6/6.8	Volt 380	Supply inverter
rpm 24000	kg 22	

AUSRÜSTUNG / EQUIPMENT

- ER 32DX/SX
- Compressed air cooling
- Manual tool change (M.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal

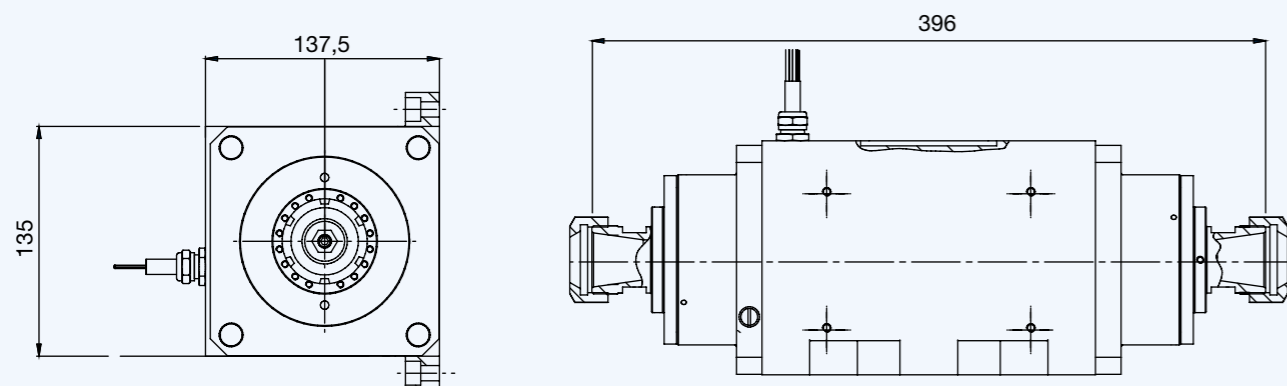
LAYOUT ER32 DX

1 END



LAYOUT ER32 DX-SX

2 ENDS



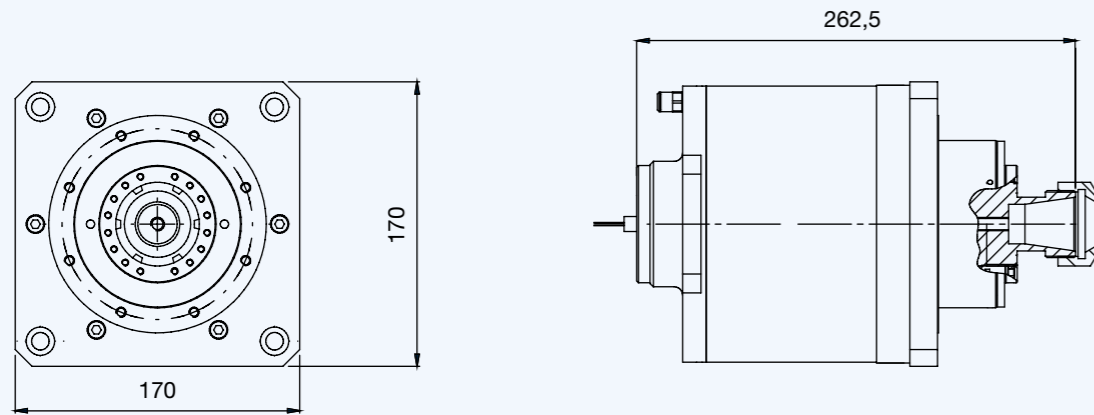
MULTITECH ML

SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
VERY EFFICIENT COMPRESSED AIR COOLING
AVAILABLE WITH ER 32 AND ER 40



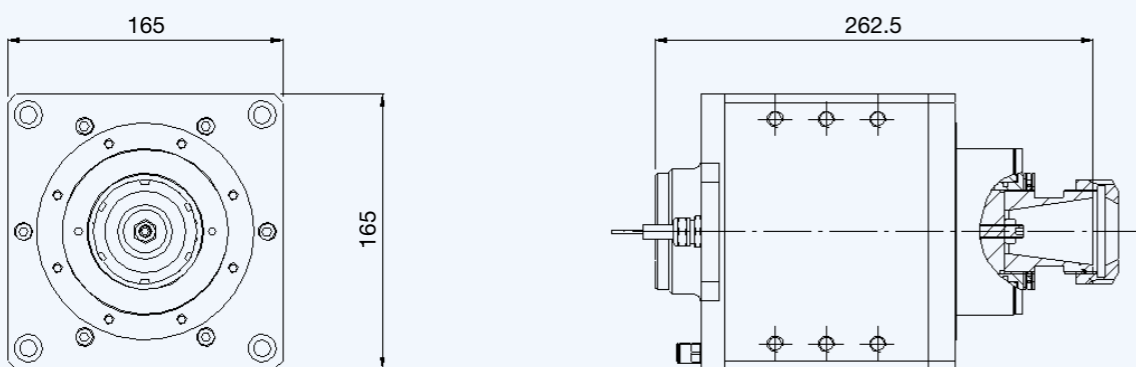
LAYOUT ER32 DX

1 END



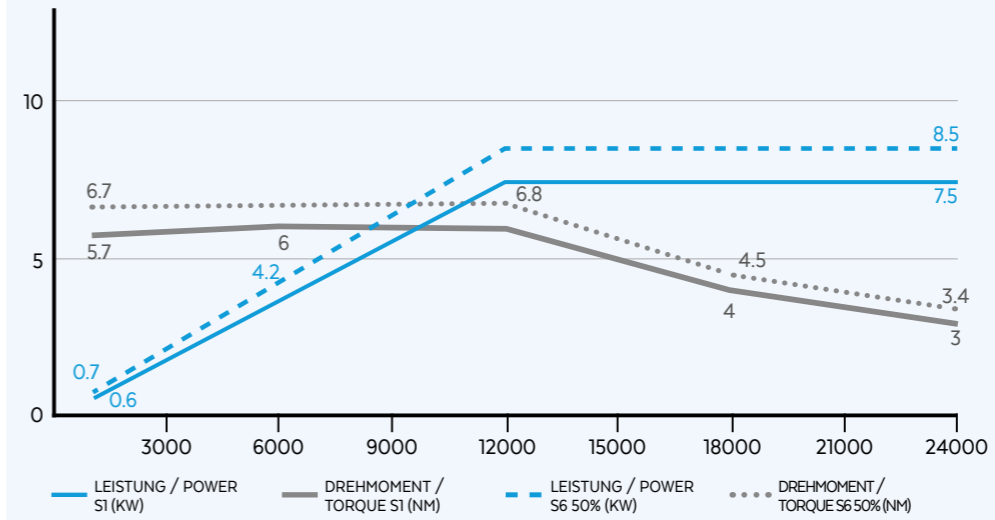
LAYOUT ER32 DX

1 END



ML-TC 7.5/12 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

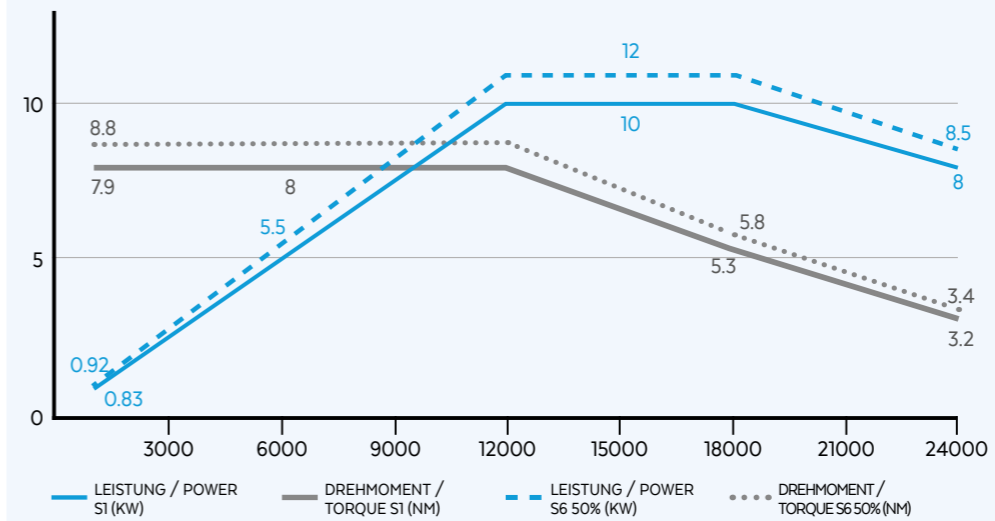
S1-S6 kW	7.5/8.5	S1-S6 A	16/17	Pol es	4
S1-S6 Nm	6/6.8	Volt	380	Supply	inverter
rpm	24000	kg	22		

AUSRÜSTUNG / EQUIPMENT

- ER 32 DX
- Compressed air cooling
- Manual tool change (M.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal

ML-TC 10/12 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW	10/12	S1-S6 A	21.3/22	Pol es	4
S1-S6 Nm	8/8.8	Volt	380	Supply	inverter
rpm	24000	kg	22		

AUSRÜSTUNG / EQUIPMENT

- ER 32 DX
- Compressed air cooling
- Manual tool change (M.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal

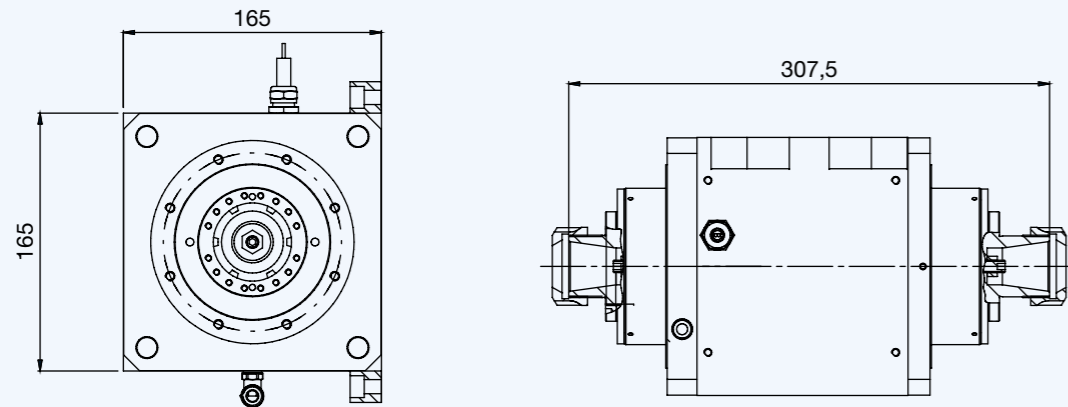
MULTITECH ML

SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
VERY EFFICIENT COMPRESSED AIR COOLING
AVAILABLE WITH ER 32 AND ER 40



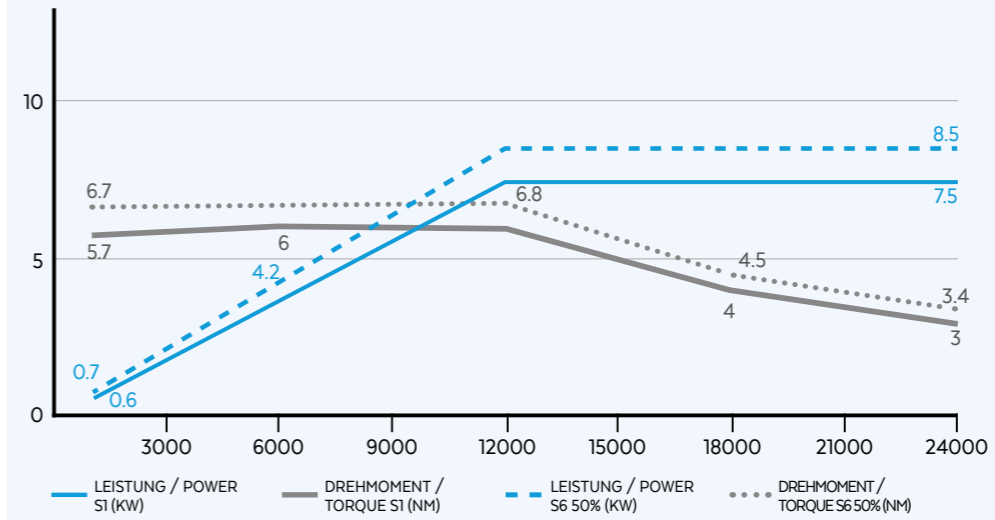
LAYOUT ER 40 DX-SX

2 ENDS

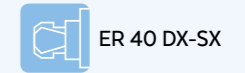


ML-TC 7.5/12 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

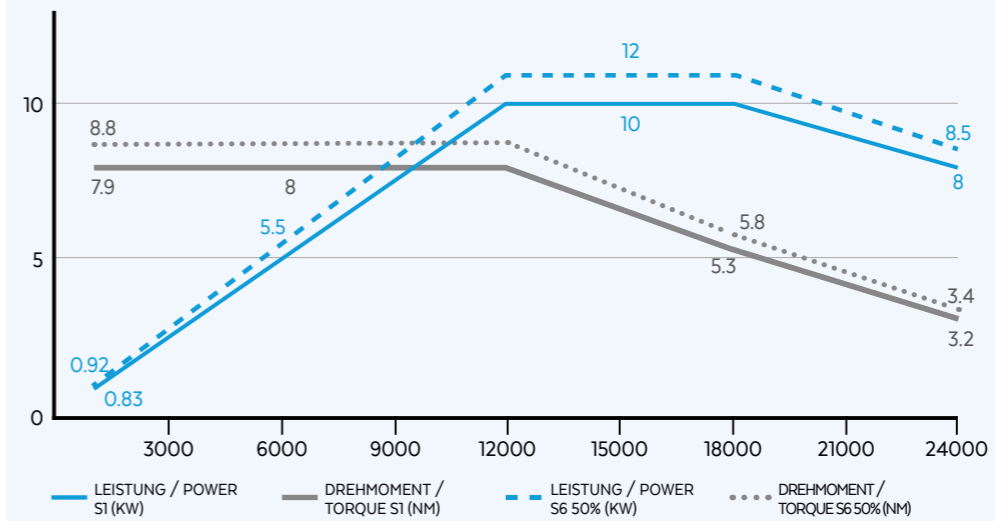
S1-S6 kW	7.5/8.5	S1-S6 A	16/17	Pol es	4
S1-S6 Nm	6/6.8	Volt	380	Supply	inverter
rpm	24000	kg	22		

AUSRÜSTUNG / EQUIPMENT

- ER 32 DX-SX
- Compressed air cooling
- Manual tool change (M.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal

ML-TC 10/12 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW	10/12	S1-S6 A	21.3/22	Pol es	4
S1-S6 Nm	8/8.8	Volt	380	Supply	inverter
rpm	24000	kg	22		

AUSRÜSTUNG / EQUIPMENT

- ER 32 DX-SX
- Compressed air cooling
- Manual tool change (M.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal

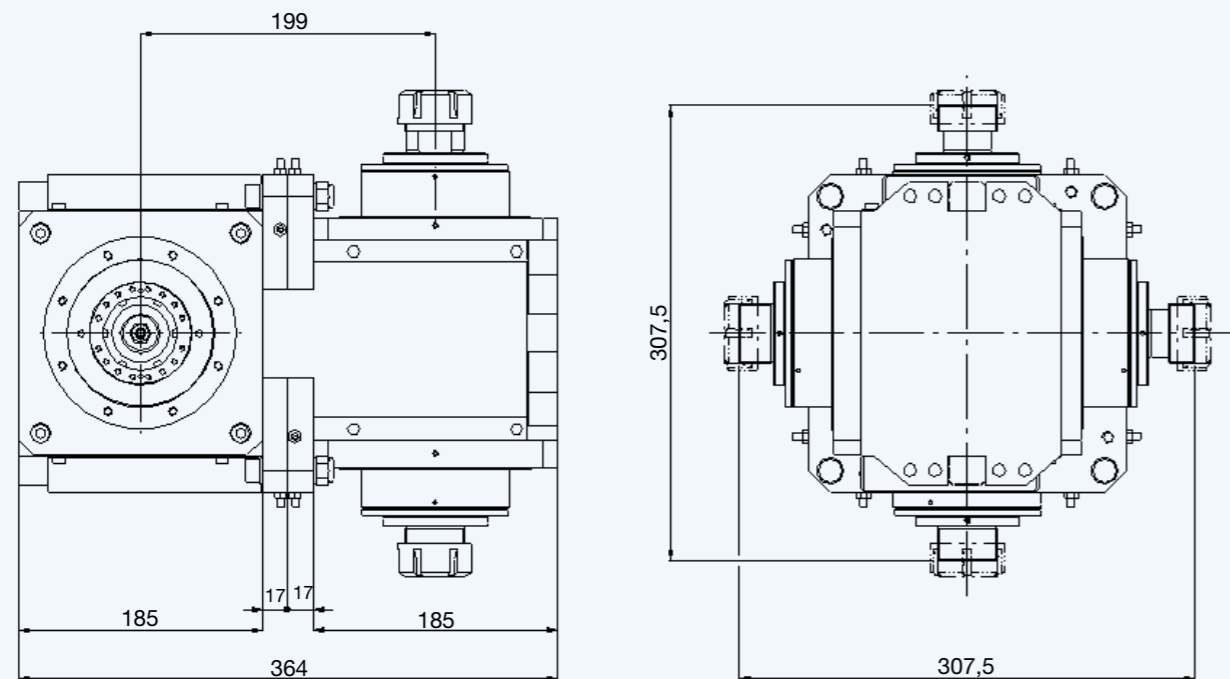
MULTITECH ML

SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
VERY EFFICIENT COMPRESSED AIR COOLING
AVAILABLE WITH ER 32 AND ER 40



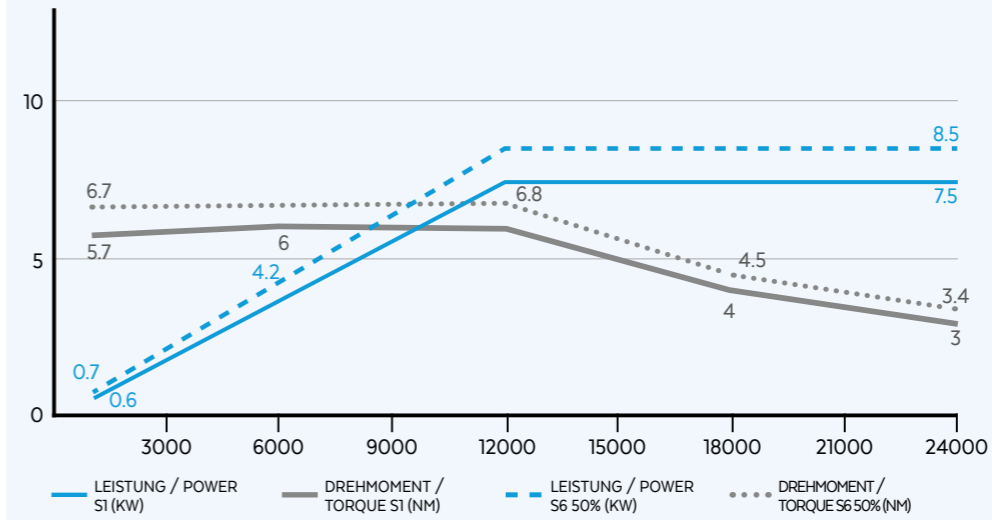
LAYOUT ER 32 DX-SX

2 ENDS

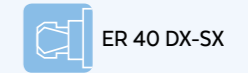


ML-TC 7.5/12 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

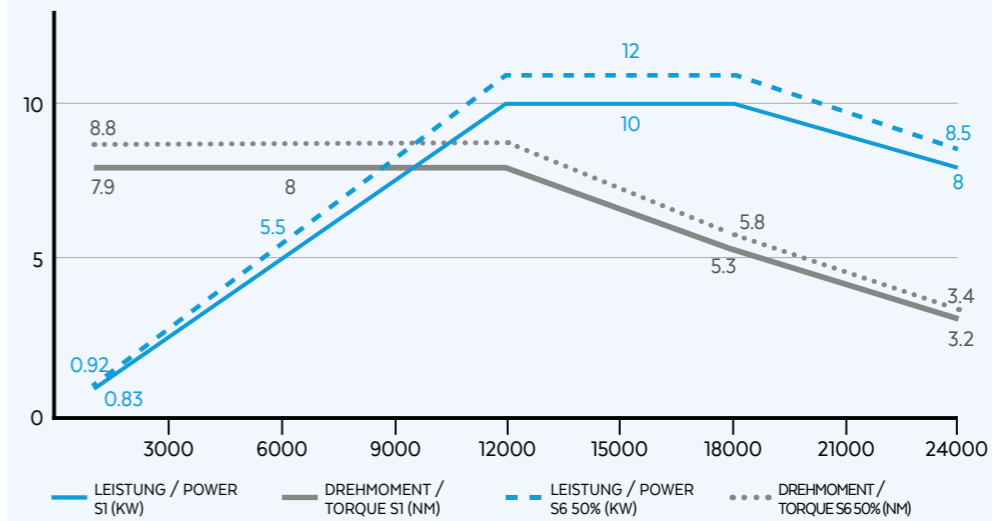
S1-S6 kW 7.5/8.5	S1-S6 A 16/17	Pol 4
S1-S6 Nm 6/6.8	Volt 380	Supply inverter
rpm 24000	kg 22	

AUSRÜSTUNG / EQUIPMENT

ER 32 DX-SX	Compressed air cooling	Manual tool change (M.T.C)	Grease lubrication
Ceramic ball bearings	Labyrinth with air seal		

ML-TC 10/12 24

LEISTUNGEN / PERFORMANCES



OPTIONALES ZUBEHÖR / OPTIONS



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 10/12	S1-S6 A 21.3/22	Pol 4
S1-S6 Nm 8/8.8	Volt 380	Supply inverter
rpm 24000	kg 22	

AUSRÜSTUNG / EQUIPMENT

ER 32 DX-SX	Compressed air cooling	Manual tool change (M.T.C)	Grease lubrication
Ceramic ball bearings	Labyrinth with air seal		

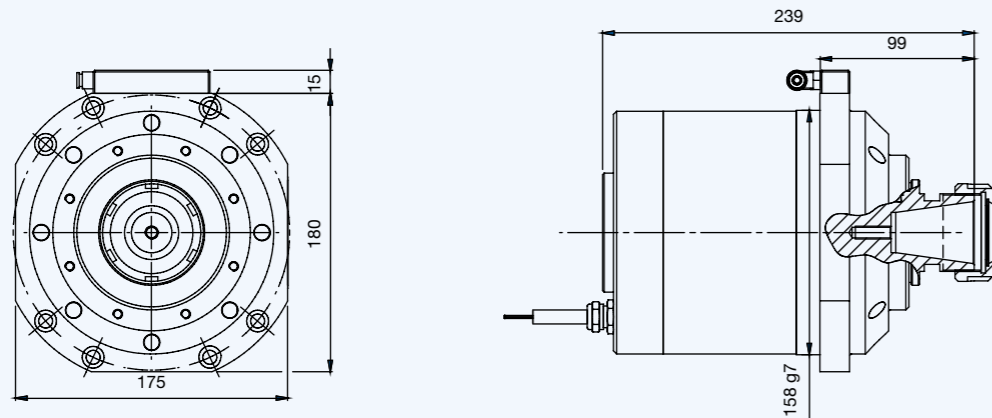
MULTITECH ML

SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
AVAILABLE WITH LIQUID COOLING TO FOR HEAVY AND INTENSIVE PROCESSES
AVAILABLE WITH ER 32 AND ER 40



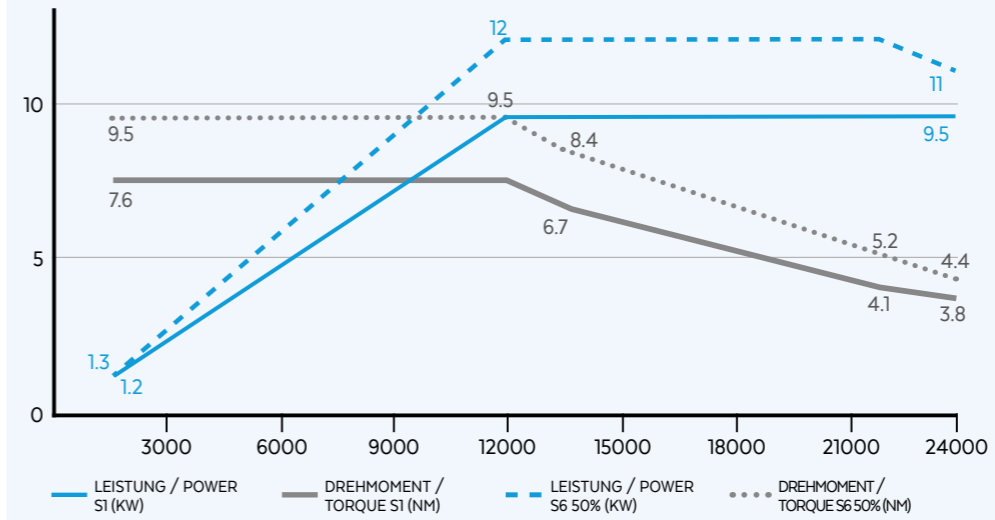
LAYOUT ER 40DX

1 END



ML-2 9.5/12 24

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

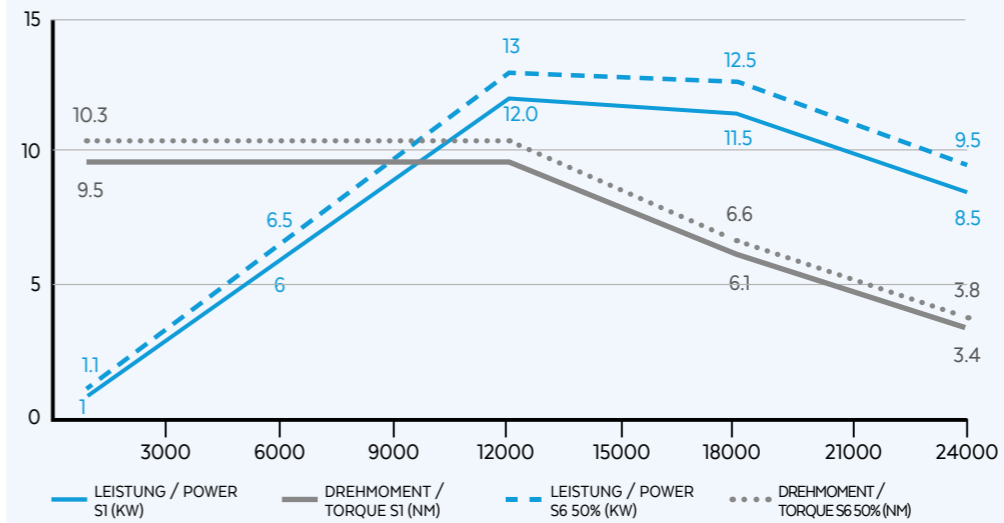
S1-S6 kW 9.5/12
S1-S6 Nm 7.6/9.5
rpm 24000
S1-S6 A 22/27
Volt 380
kg 26
Pol es 4
Supply inverter

AUSRÜSTUNG / EQUIPMENT

ER 40DX
Liquid cooling
Manual tool change (M.T.C)
Grease lubrication
Ceramic ball bearings
Labyrinth with air seal

ML-2 12/12 24

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 12/13
S1-S6 Nm 9.5/10.3
rpm 24000
S1-S6 A 25/28
Volt 380
kg 23
Pol es 4
Supply inverter

AUSRÜSTUNG / EQUIPMENT

ER 40DX
Liquid cooling
Manual tool change (M.T.C)
Grease lubrication
Ceramic ball bearings
Labyrinth with air seal

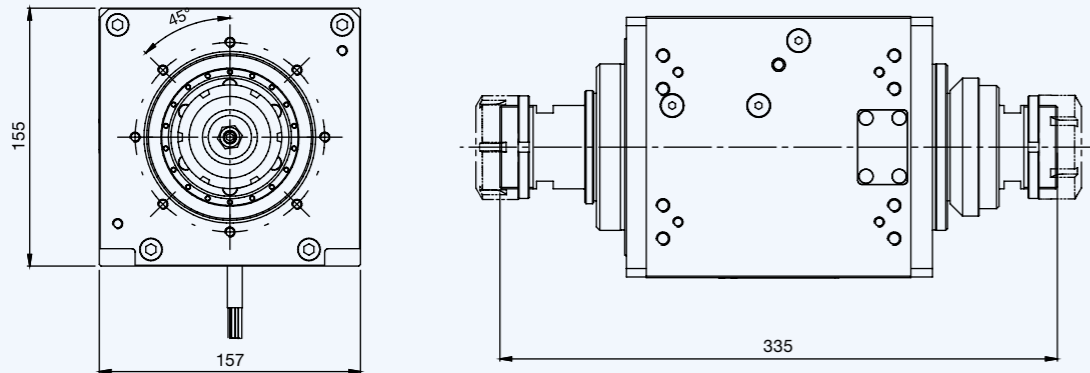
MULTITECH ML

SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
AVAILABLE WITH LIQUID COOLING TO FOR HEAVY AND INTENSIVE PROCESSES
AVAILABLE WITH ER 32 AND ER 40



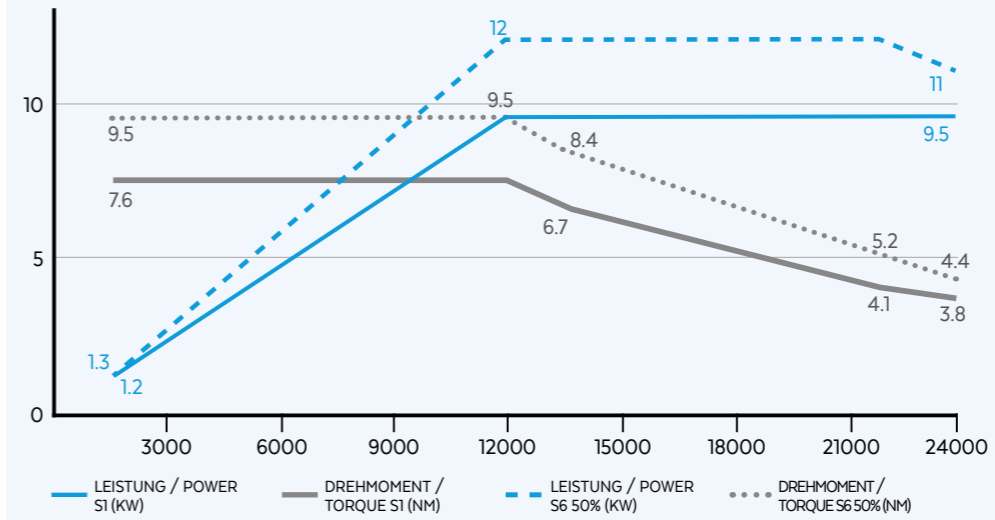
LAYOUT ER 40 DX-SX

2 ENDS



ML-2 9.5/12 24

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

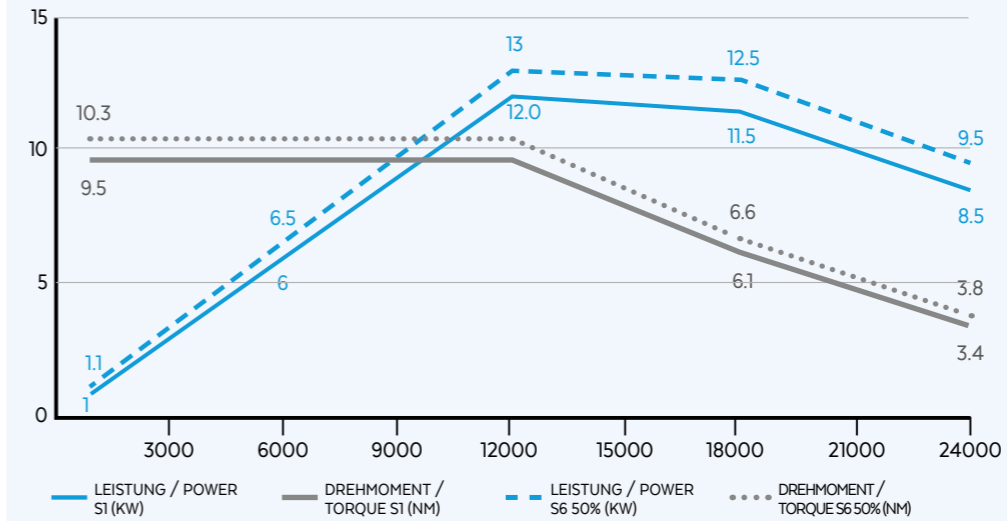
S1-S6 kW 9.5/12	S1-S6 A 22/27	Pol es 4
S1-S6 Nm 7.6/9.5	Volt 380	Supply inverter
rpm 24000	kg 26	

AUSRÜSTUNG / EQUIPMENT

ER 40 DX-SX	Liquid cooling	Manual tool change (M.T.C.)	Grease lubrication
Ceramic ball bearings	Labyrinth with air seal		

ML-2 12/12 24

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 12/13	S1-S6 A 25/28	Pol es 4
S1-S6 Nm 9.5/10.3	Volt 380	Supply inverter
rpm 24000	kg 26	

AUSRÜSTUNG / EQUIPMENT

ER 40DX	Liquid cooling	Manual tool change (M.T.C.)	Grease lubrication
Ceramic ball bearings	Labyrinth with air seal		

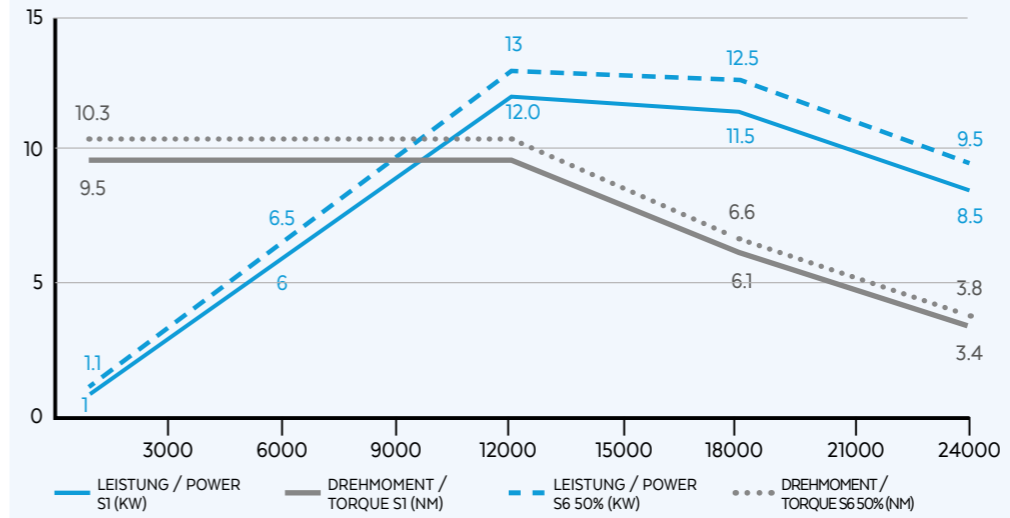
MULTITECH ML

SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
AVAILABLE WITH LIQUID COOLING TO FOR HEAVY AND INTENSIVE PROCESSES
AVAILABLE WITH ER 32 AND ER 40



ML-2 12/12 24

LEISTUNGEN / PERFORMANCES



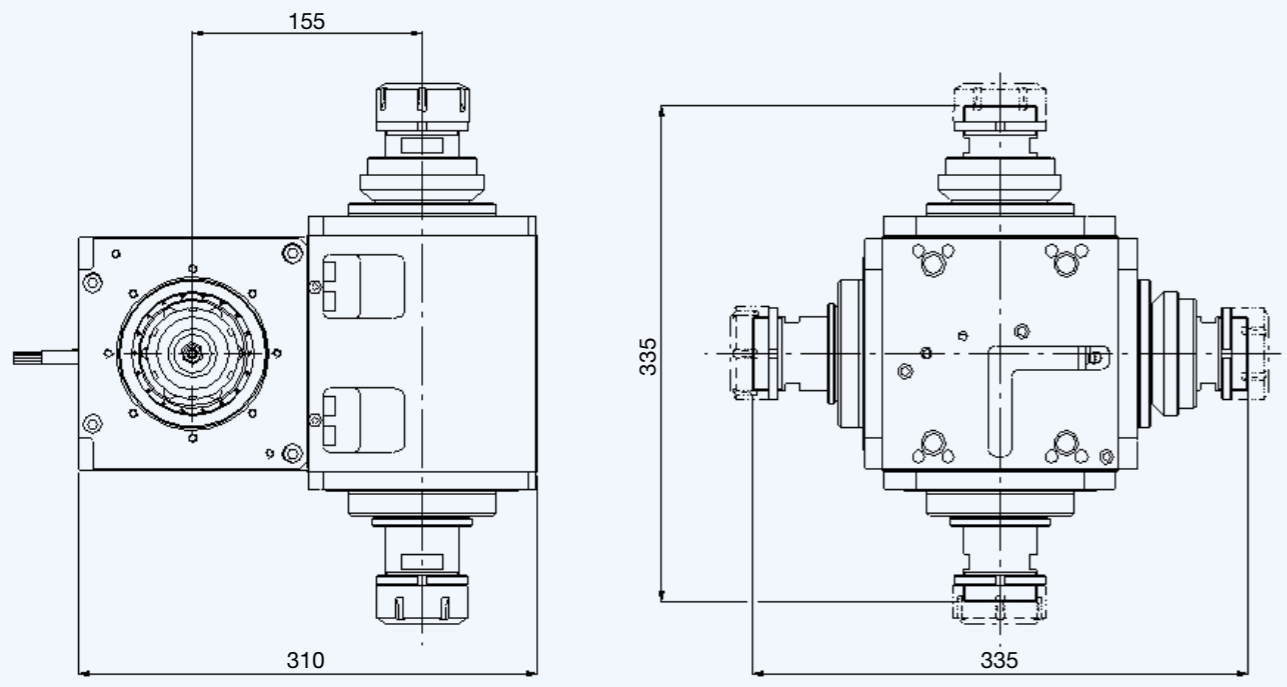
TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

- S1-S6 kW** 12/13
- S1-S6 A** 25/28
- Pol es** 4
- S1-S6 Nm** 9.5/10.3
- Volt** 380
- Supply** inverter
- rpm** 24000
- kg** 26

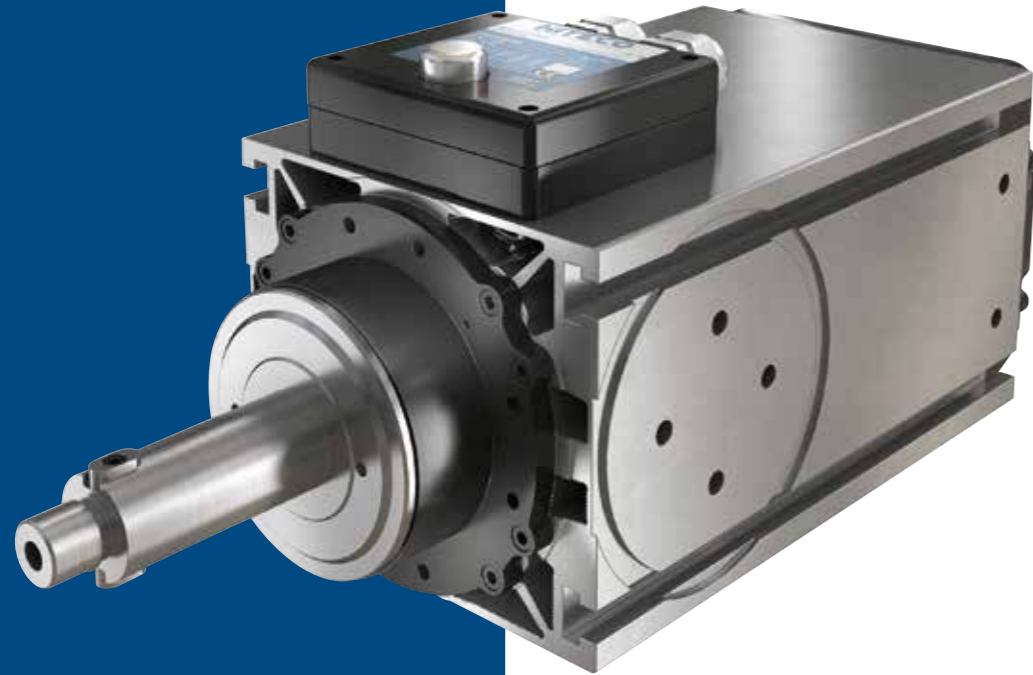
AUSRÜSTUNG / EQUIPMENT

- ER 40 DX-SX
- Liquid cooling
- Manual tool change (M.T.C)
- Ceramic ball bearings
- Labyrinth with air seal
- Grease lubrication

LAYOUT ER 40 DX-SX 2 ENDS

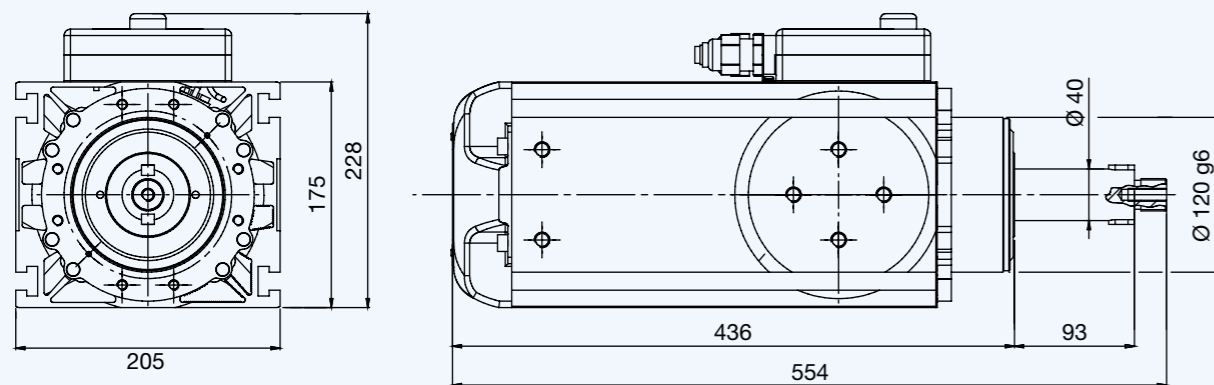


MULTITECH MQH



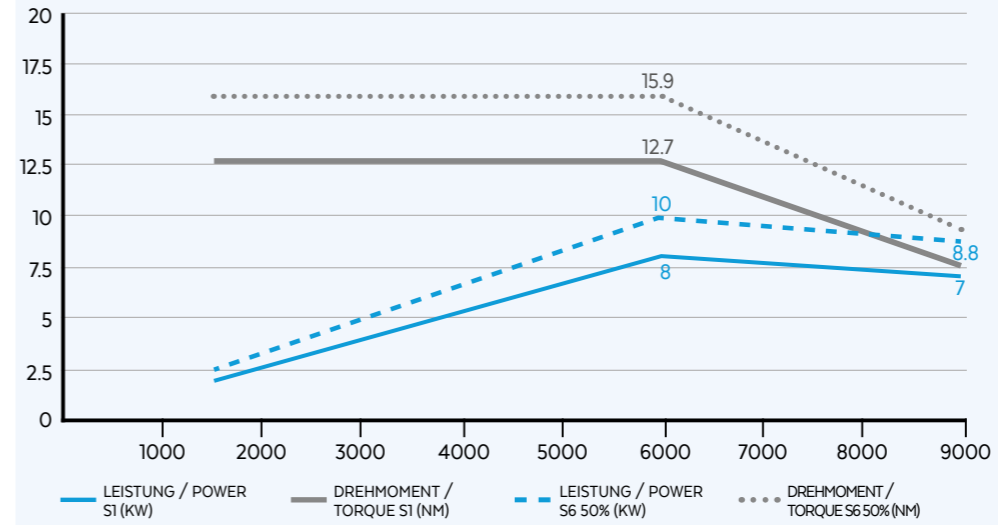
SUITABLE FOR MACHINING WOOD
POWER UP TO 13 KW
SHAFT ROTATION SENSOR

LAYOUT D40



MQH-18/6 9

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

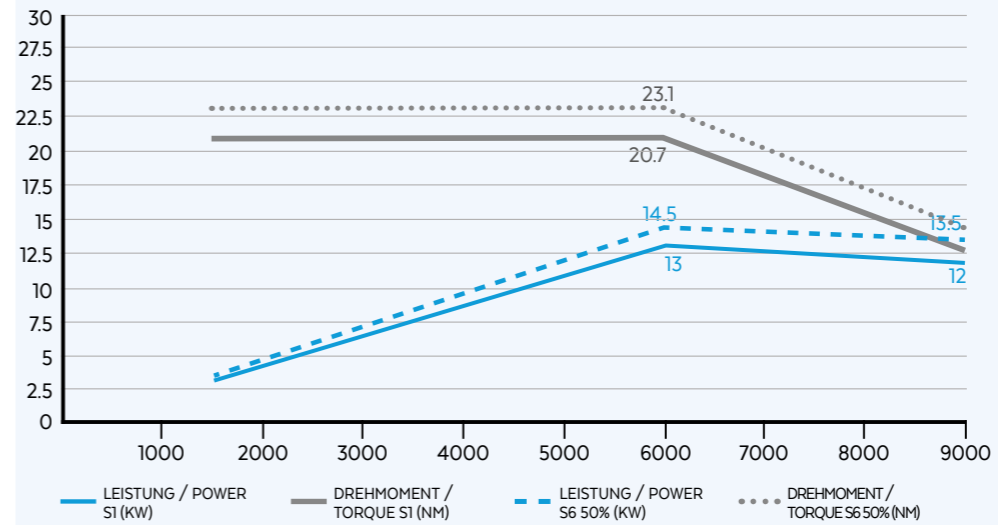
S1-S6 kW 8/10
S1-S6 A 15.8/18.7
Pol es 4
S1-S6 Nm 12.7/15.9
Volt 380
Supply inverter
rpm 9000
kg 55

AUSRÜSTUNG / EQUIPMENT

Shaft D40
Cooling by shaft-driven fan
Manual tool change (M.T.C)
Steel bearings
Grease lubrication
Sensors s3

MQH-113/6 9

LEISTUNGEN / PERFORMANCES



TECHNISCHE SPEZIFIKATIONEN / TECHNICAL SPECIFICATIONS

S1-S6 kW 13/14.5
S1-S6 A 25.8/30
Pol es 4
S1-S6 Nm 20.7/23.1
Volt 380
Supply inverter
rpm 9000
kg 55

AUSRÜSTUNG / EQUIPMENT

Shaft D40
Cooling by shaft-driven fan
Manual tool change (M.T.C)
Steel bearings
Grease lubrication
Sensors s3

C-AXIS FOR POWERTECH 300-400



Kompass kurze Nase (NC) mit 3 pneumatischen Anschlüssen, mit Yaskawa Servomotor
Compass Short Nose (NC) with 3 pneumatic connections With Yaskawa servo-motor

Kompass lange Nase (NL) mit 3 pneumatischen Anschlüssen, mit Yaskawa Servomotor
Compass Long Nose (NL) with 3 pneumatic connections With Yaskawa servo-motor

OPTIONALES ZUBEHÖR / OPTIONS

Ohne Servomotor erhältlich
Available without servomotor

WERKZEUGHALTEKEGEL TOOL HOLDER

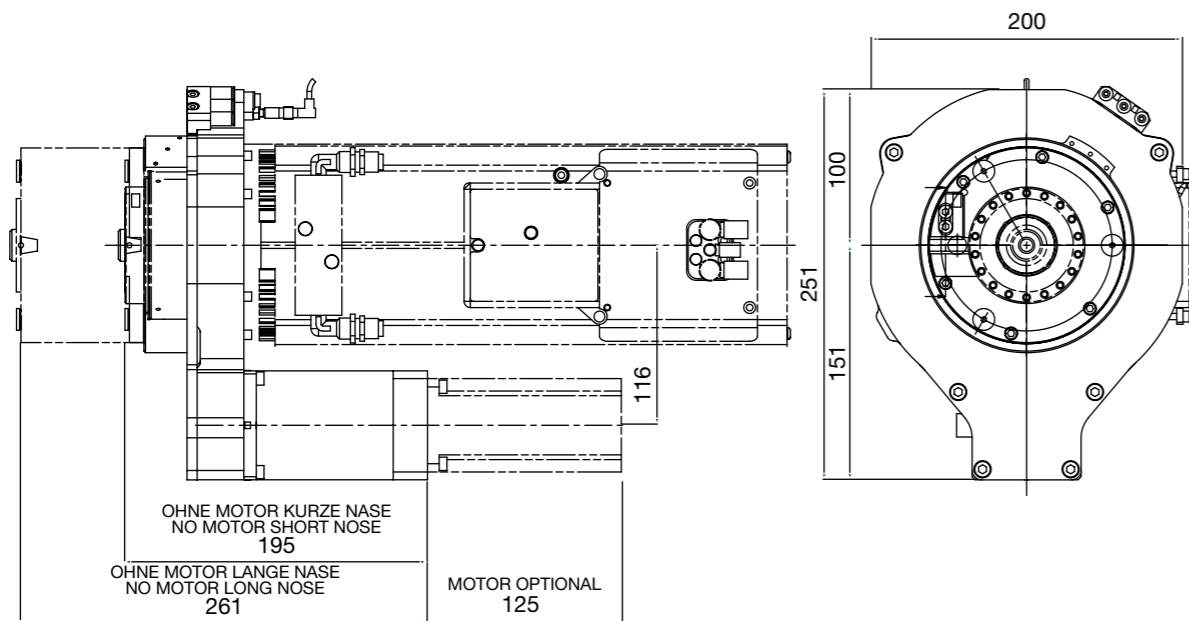


Tool holder
Werkzeughaltekegel HSK63A ER 32 M40X1.5_DX

Tool holder
Werkzeughaltekegel HSK63F ER 32 M40X1.5_DX

Tool holder
Werkzeughaltekegel ISO30 ER 32 M40X1.5_DX

Für andere Typen von Werkzeughaltezeugen wenden Sie sich bitte an das Team von Hiteco
For other tool holder types, please contact Hiteco staff



WERKZEUGHALTEZANGEN TOOL FINGER



Tool finger
Werkzeughaltezeugen HSK 63A

Tool finger
Werkzeughaltezeugen HSK 63F

Tool finger
Werkzeughaltezeugen ISO 30

Für andere Typen von Werkzeughaltezeugen wenden Sie sich bitte an das Team von Hiteco
For other tool finger sizes, please contact Hiteco staff

REFERENZ DER KÖPFE ANTI-ROTATION SLEEVES



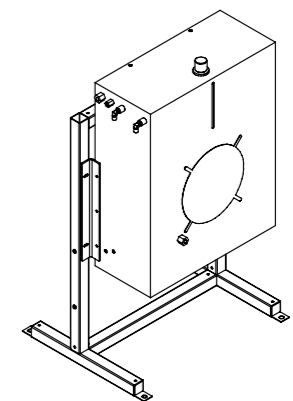
Referenz der Köpfe für PT200: 2 Positionen ohne pneumatische Anschlüsse
Anti-rotation sleeve for PT 200: 2 positions Without pneumatic connections

Referenz der Köpfe für PT250: 2 Positionen mit oder ohne pneumatische Anschlüsse
Anti-rotation sleeves for PT 250: 2 positions With or without pneumatic connections

Referenz der Köpfe für PT300-400: 2 Positionen, erhältlich in der Ausführung mit kurzer Nase und mit langer Nase (NC und NL), mit und ohne pneumatische Anschlüsse
Anti-rotation sleeves for PT 300-400: 2 positions Available with Short and Long Nose (NC and NL) With or without pneumatic connections

Referenz der Köpfe für Spindeln 5 Achsen (mit 1 pneumatischen Anschluss)
Anti-rotation sleeves for 5-axis spindles With 1 pneumatic connection

WÄRMETAUSCHER HEAT EXCHANGER



Kühlleistung
Cooling power 5000 W with liquid temperature +40°, air temperature +20 °C

Flüssigkeitsdurchsatz
Liquid flow 4 lt/min at 5,5 bar

Fassungsvermögen des Tanks
Tank capacity 5 lt

OPTIONALES ZUBEHÖR / OPTIONS

Ausführung ohne Halterung und Schläuche erhältlich
Available without support and flexible hoses





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