

ELETTROMANDRINI ELECTROSPINDLES



Componenti ad **alta tecnologia** per produttori di macchine utensili.

--
High-tech components for machine tool manufacturers.

Hiteco è specializzata nella progettazione e realizzazione di componenti elettromeccanici industriali ad alta tecnologia per le macchine utensili.

Elettromandrini A.T.C, elettromandrini M.T.C, teste birotative, teste di foratura ed aggregati.

--
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 si propone sul mercato internazionale con un'ampia gamma di prodotti per la lavorazione di: **legno, plastica, materiali avanzati, vetro, pietra e metallo.**

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



Hiteco nasce nel 1977 come divisione interna di **SCM Group**, azienda leader mondiale nella costruzione di macchine utensili per la lavorazione di una vasta gamma di materiali, realizzando un percorso di crescita esponenziale. Diventa nel 2008 **un'unità di profitto per servire il mercato terzi**. Oggi realizza prodotti di riferimento nel mercato dei componenti, diventando uno tra i più importanti player mondiali nel settore.

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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.

60% DI FATTURATO TERZI

--
60% OF TURNOVER FROM EXTERNAL CUSTOMERS

PRESENZA NEI 5 CONTINENTI DIRETTA E CAPILLARE

--
DIRECT AND CAPILLARY PRESENCE IN THE 5 CONTINENTS

CIRCA 30 MILIONI/EURO DI FATTURATO

--
30 MILLION EURO OF TURNOVER

CRESCITA ANNUA 2014/2018 > 25%

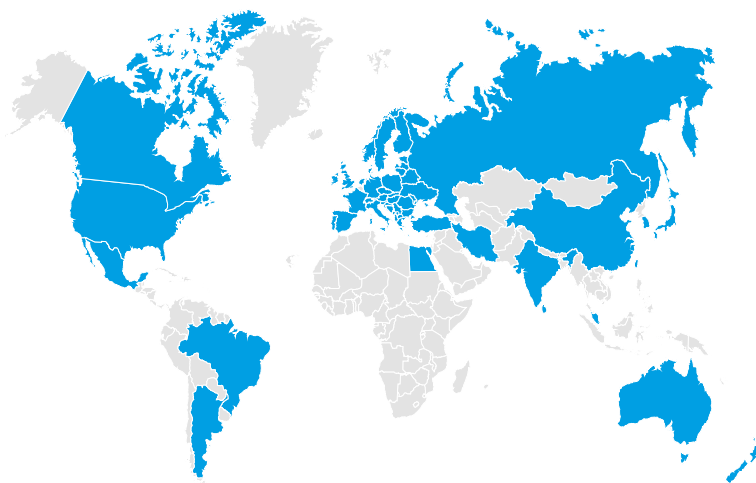
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ANNUAL GROWTH 2014/2018 > 25%

HITECO in numeri.

--
Hiteco in numbers.

Una **presenza capillare** per un **servizio best-in-class** e **worldwide**.

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



La distribuzione capillare dell'azienda risponde alla volontà di Hiteco di essere vicina al cliente con la presenza sul territorio di **tecnici specializzati** che sono garanzia di una risposta estremamente rapida e professionale: non solo per ridurre fermi macchina e problemi alla produzione, ma anche per creare valore aggiunto con la proposta di soluzioni efficaci ed innovative. Questa attenzione, oltre ai ridotti tempi di consegna, è uno dei motivi che ha portato Hiteco ad avere la più alta **customer satisfaction** nel mercato internazionale.

--
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.



INDICE INDEX

Hiteco si riserva il diritto di apportare migliorie sulle tecnologie e i modelli presentati nel catalogo
Hiteco reserves the right to make improvements to the technologies and models presented in the catalog



IDENTIFICAZIONE ELETTROMANDRINI / ELECTROSPINDLE IDENTIFICATION KEY

Example

QE 1F 10/T1 24 63F NC CB EN BT OQ IS

	MODELLO (DIMENSIONE CARCASSA) / 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

RAFFREDDAMENTO / COOLING TYPE

1F= ELETTOVENTOLA/ ELECTROFAN	
1C= ARIA COMPRESSA/ PRESSED AIR	
2= LIQUIDO/LIQUID	
1= VENTOLA SU ALBERO/ FAN ON SHAFT	

POTENZA NOMINALE (S1) @ VELOCITÀ / RATED POWER (S1) @ SPEED

MAX POTENZA @ VELOCITÀ/MAX POWER @ SPEED

VELOCITÀ MAX / MAX SPEED

ATTACCO UTENSILE / TOOL HOLDER

63F = HSK63F
32E = HSK32E
40E = HSK40E
63E = HSK63E
85S = HSK85S
80F = HSK80F
63A = HSK63A
I30 = ISO30
I40 = ISO40
ER25
ER32
ER40
ALBERO/SHAFT, D=12, 16, 30, 40, 50

NASO MANDRINO / SPINDLE NOSE

NC= NASO CORTO/SHORT NOSE
NL= NASO LUNGO/LONG NOSE
CH = COMPACT SHORT NOSE
LH = COMPACT LONG NOSE

CONNESSIONE ELETTRICA / ELECTRIC CONNECTION

CB= CONNESSIONE BASE/ BASIC CONNECTION
CC= CONNESSIONE CIRCOLARE/ CIRCULAR CONNECTION
PP= CONNESSIONE RAPIDA/ PLUG AND PLAY CONNECTION
SC= SENZA CONNETTORE/ FLYING CABLE

ENCODER

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

VOLTAGGIO / VOLTAGE

BT= BITENSIONE / DUAL VOLTAGE 220V/380V
220 V

OPTIONAL

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

ALTRE VARIANTI/ OTHER VARIANTS

SENSORE DI VIBRAZIONE/ VIBRATION SENSOR		
MONITORAGGIO TEMPERATURA CUSCINETTI/ BEARING TEMPERATURE MONITORING		
MISURATORE DI VELOCITÀ/ SPEED MONITORING		
S5 - SENSORE RITORNO PISTONE/ PISTON BACK SENSOR		
SENSORE DI TEMPERATURA/ TEMPERATURE SENSOR		
ISPINDLE - DIGITAL COMMUNICATION ON FIELD BUS / COMUNICAZIONE DIGITALE SENSORI SU FIELD BUS		

INDICE POTENZE / POWER INDEX

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HS= HIGH SPEED
HT= HIGH TORQUE

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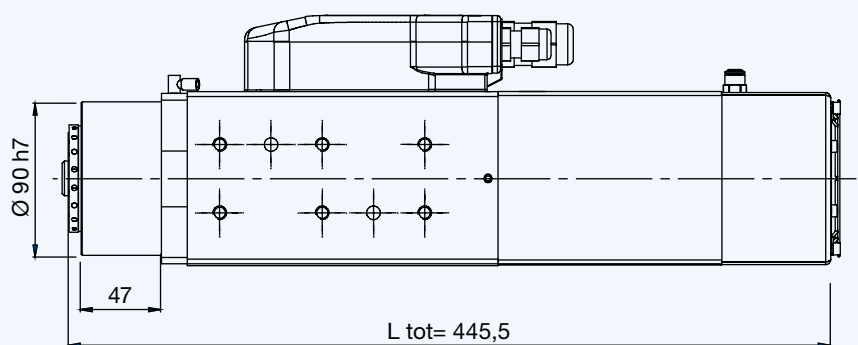
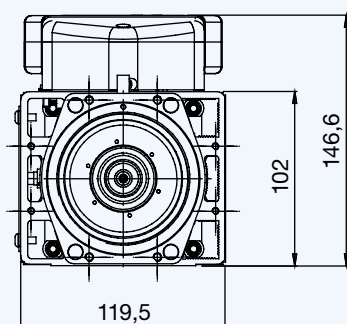
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POWERTECH 200



SUITABLE FOR MACHINING WOOD, PLASTICS AND COMPOSITES
REDUCED SPACE REQUIRED AND FIXING FLEXIBILITY (AVAILABLE ON 2 SIDES)
AVAILABLE WITH ISO 30, HSK 63F AND DUAL VOLTAGE
CERAMIC BEARINGS
EASY MAINTENANCE

LAYOUT HSK 63F CB

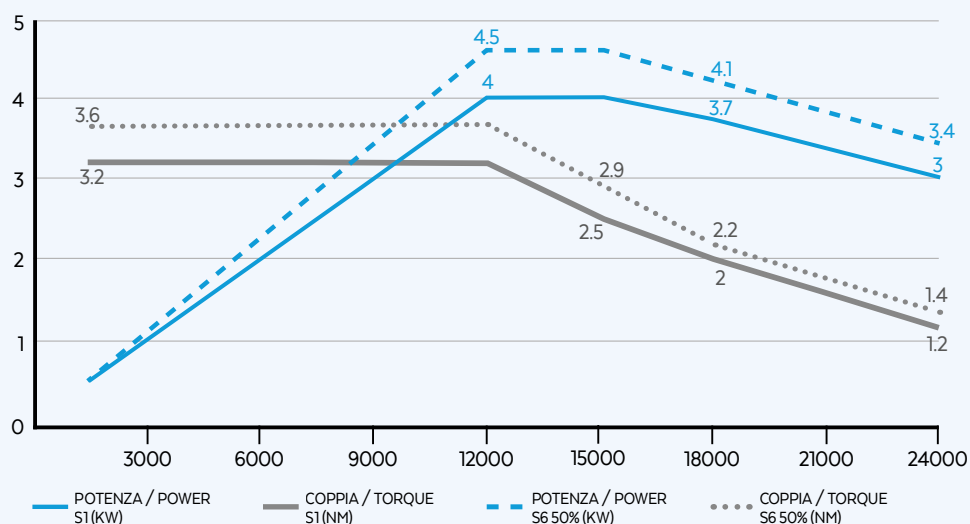


ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
ISO 30	+6,9 mm	452,40 mm
Aria compressa / Compressed air	ISO30= -29,1 mm	416,4 mm
	HSK63F= -36,0 mm	409,5 mm

QD-1F 4/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Circular connector CC
- HSK 63F
- Quick connection PP
- Compressed air cooling
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW** 4/4.5
- S1-S6 Nm** 3.2/3.6
- rpm** 24000
- S1-S6 A** 9/10.7
- Volt** 380
- kg** 18
- Pol es** 4
- Supply** inverter

EQUIPAGGIAMENTO / EQUIPMENT

- ISO 30
- Ceramic ball bearings
- Labyrinth with air seal
- Electrofan cooling
- Grease lubrication
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Taper cleaning

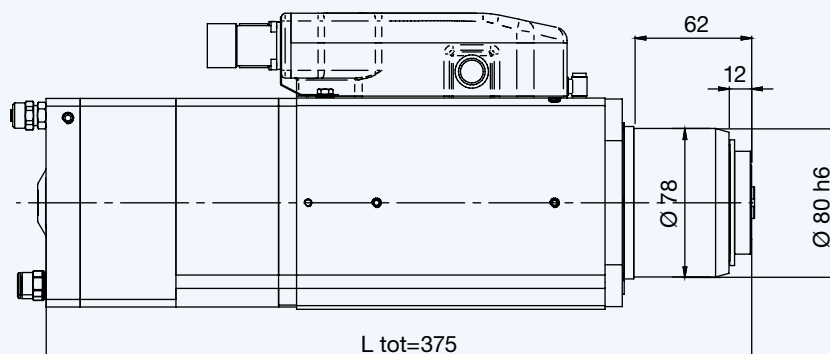
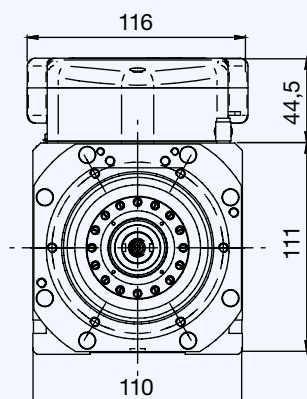


POWERTECH 250

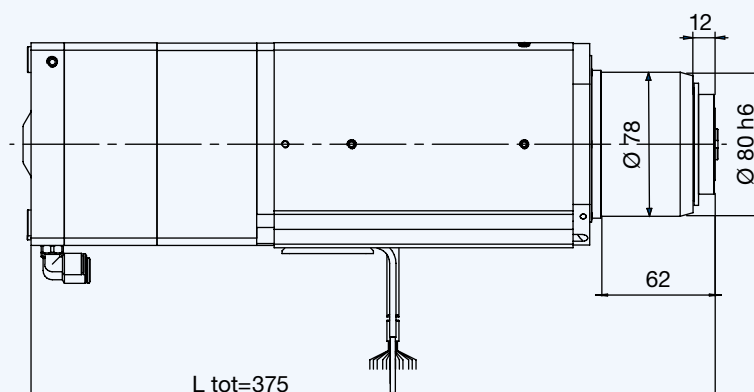
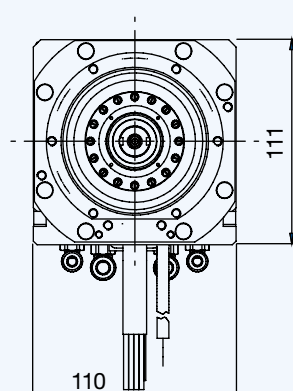


SUITABLE FOR MACHINING ALUMINUM, PLASTICS AND LIGHT ALLOYS
VERY STRONG SPINDLES WITH SPEEDS UP TO 40K RPM
5 BEARINGS FOR HIGH STIFFNESS
SUITABLE FOR 3 AND 5-AXIS MACHINES

LAYOUT HSK40E / HSK32E CC



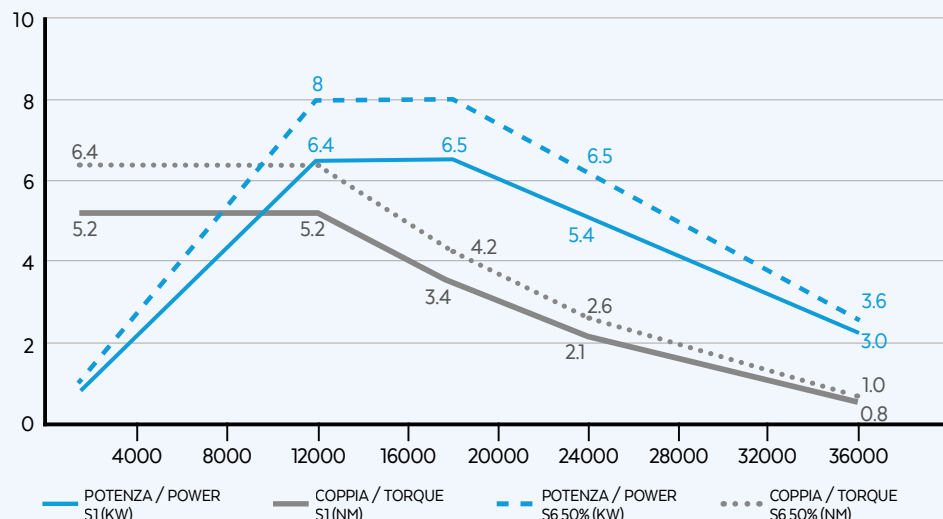
LAYOUT HSK40E / HSK32E SC



QD-2 6.5/12 36

HIGH SPEED

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Quick connection PP
- HSK 32E
- Circular connector cc machine side
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- Temperature sensor

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 6.5/8
- S1-S6 Nm 5.2/6.4
- rpm 36000
- S1-S6 A 20.5/23
- Volt 380
- kg 17
- Pol es 4
- Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

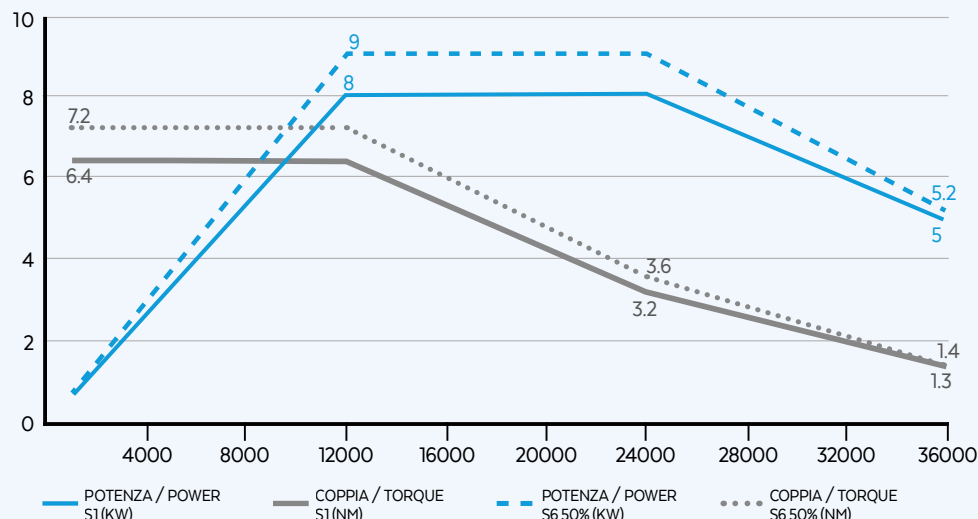
- HSK 40E
- Ceramic ball bearings
- Circular connector spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning

- Double effect pneumatic cylinder
- Grease lubrication
- Automatic tool change (A.T.C)
- Sensors s1,s2,s3,s5

QD-2 8/12 36

HIGH SPEED

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Quick connection PP
- HSK 32E
- Circular connector cc machine side
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- Temperature sensor

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

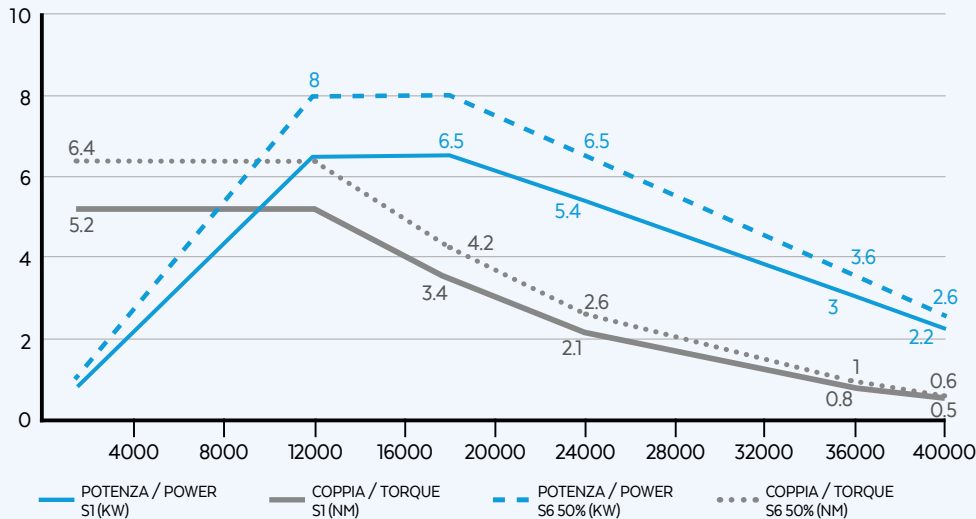
- S1-S6 kW 8/9
- S1-S6 Nm 6.4/7.2
- rpm 36000
- S1-S6 A 24/26
- Volt 380
- kg 17
- Pol es 4
- Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 40E
- Ceramic ball bearings
- Circular connector spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning

- Double effect pneumatic cylinder
- Grease lubrication
- Automatic tool change (A.T.C)
- Sensors s1,s2,s3,s5

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Quick connection PP
- Vibration sensor
- Temperature sensor
- Bearings temperature monitoring
- Speed monitoring
- Circular connector cc machine side

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

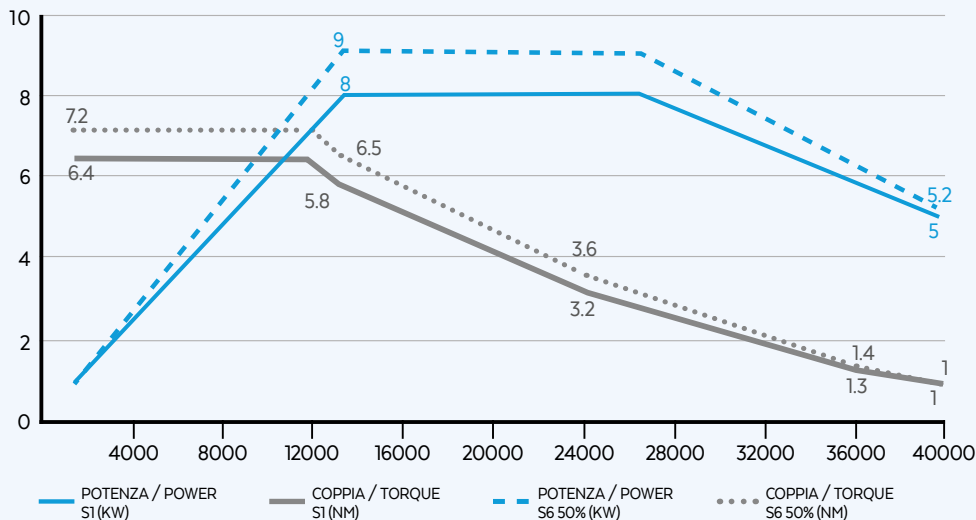
- S1-S6 kW 6.5/8
- S1-S6 Nm 5.2/6.4
- rpm 40000
- S1-S6 A 20.5/23
- Volt 380
- kg 17
- Pol es 4
- Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 32E
- Ceramic ball bearings
- Circular connector spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning

- Double effect pneumatic cylinder
- Grease lubrication
- Automatic tool change (A.T.C)
- Sensors s1,s2,s3,s5

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Quick connection PP
- Vibration sensor
- Temperature sensor
- Bearings temperature monitoring
- Speed monitoring
- Circular connector cc machine side

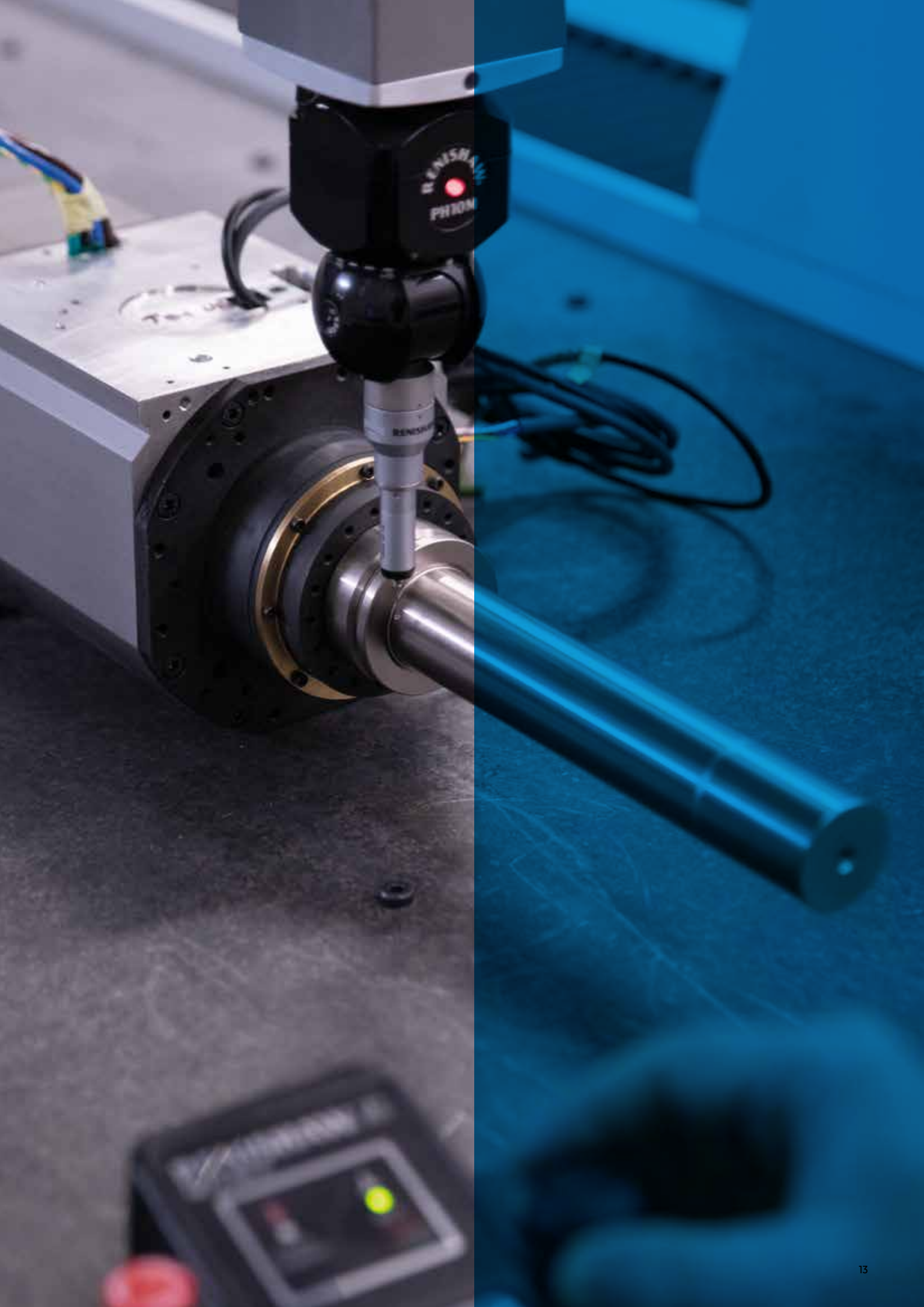
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 8/9
- S1-S6 Nm 6.4/7.2
- rpm 40000
- S1-S6 A 24/26
- Volt 380
- kg 17
- Pol es 4
- Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 32E
- Ceramic ball bearings
- Circular connector spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning

- Double effect pneumatic cylinder
- Grease lubrication
- Automatic tool change (A.T.C)
- Sensors s1,s2,s3,s5

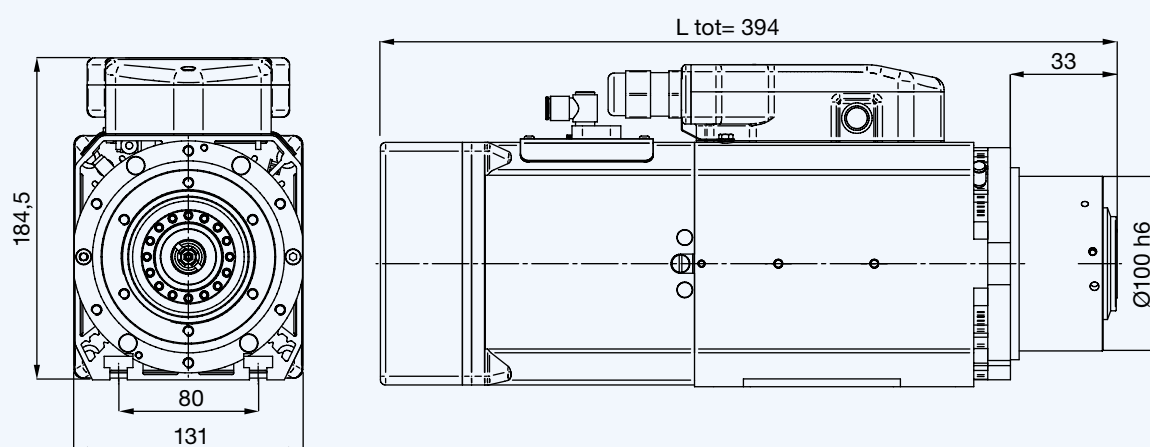


POWERTECH 300 COMPACT



SUITABLE FOR MACHINING WOOD, ALUMINUM AND PLASTICS
REDUCED SPACE REQUIRED
AVAILABLE WITH ISO 30, HSK 63F AND DUAL VOLTAGE
CERAMIC BEARINGS

LAYOUT ISO30 CB

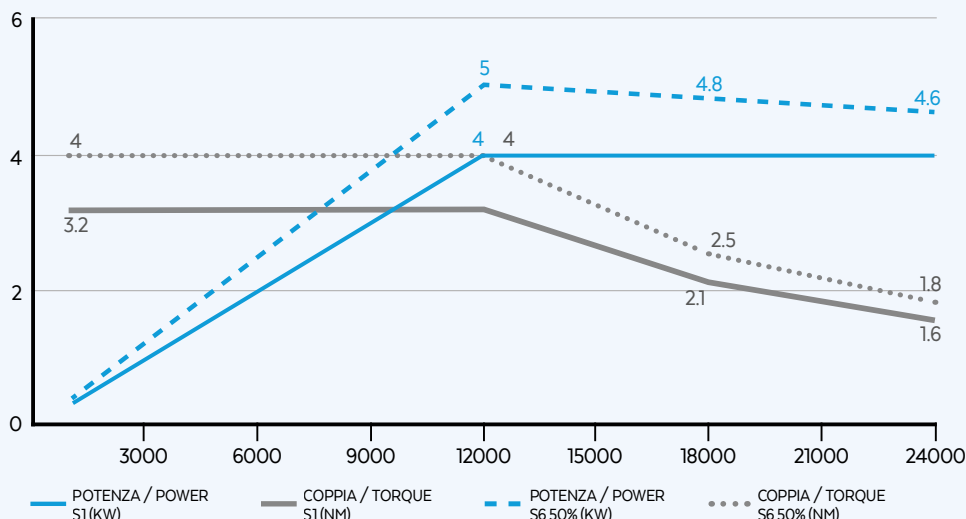


ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
Aria compressa / Compressed air	ISO30= -30 mm	360 mm
	HSK63F= -30 mm	360 mm

QE-1F 4/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Bearings temperature monitoring
- Circular connector CC
- Speed monitoring
- Sensor s5
- Vibration sensor
- Compressed air cooling
- HSK 63F
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

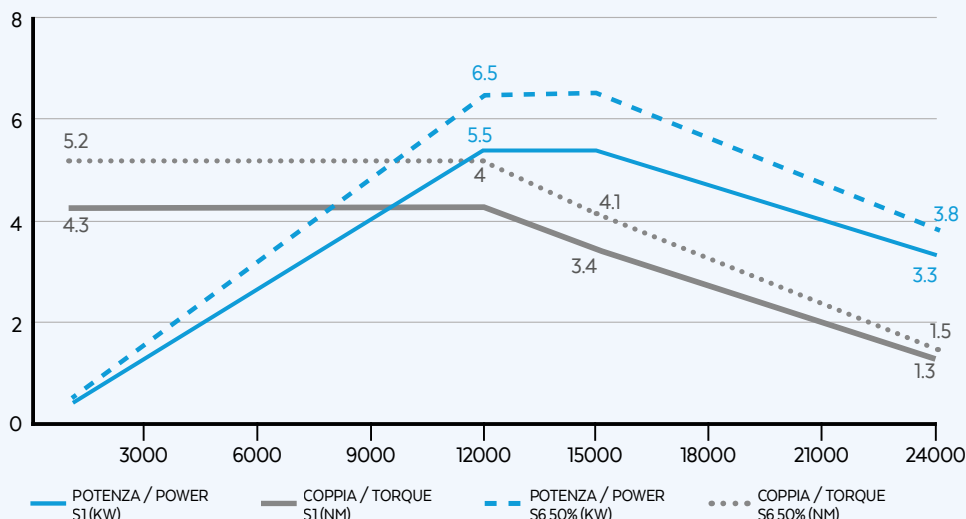
- S1-S6 kW 4/5
- S1-S6 A 8.5/10
- Pol es 2
- S1-S6 Nm 3.2/4
- Volt 380
- Supply inverter
- rpm 24000
- kg 19

EQUIPAGGIAMENTO / EQUIPMENT

- ISO 30
- Electrofan cooling
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C)
- Ceramic ball bearings
- Labyrinth with air seal
- Sensors s1, s2, s3
- Taper cleaning
- Grease lubrication

QE-1F 5.5/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Bearings temperature monitoring
- Circular connector CC
- Speed monitoring
- Sensor s5
- Vibration sensor
- Compressed air cooling
- HSK 63F
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 5.5/6.5
- S1-S6 A 11/13
- Pol es 4
- S1-S6 Nm 4/4.3
- Volt 380
- Supply inverter
- rpm 24000
- kg 19

EQUIPAGGIAMENTO / EQUIPMENT

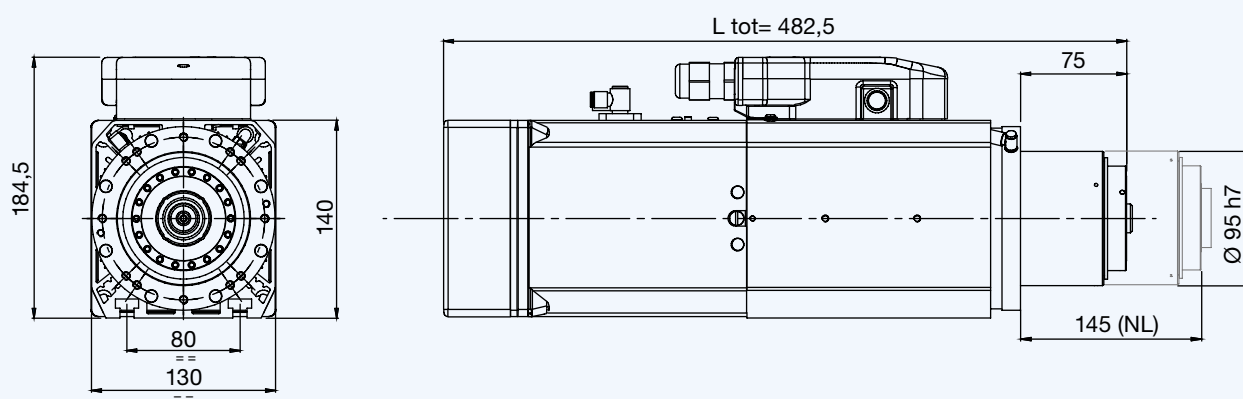
- ISO 30
- Electrofan cooling
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C)
- Ceramic ball bearings
- Labyrinth with air seal
- Sensors s1, s2, s3
- Taper cleaning
- Grease lubrication

POWERTECH 300



SUITABLE FOR MACHINING WOOD, PLASTICS AND COMPOSITES
WIDE RANGE OF POWER FOR ANY TYPE OF MACHINING
AVAILABLE WITH LIQUID COOLING FOR HEAVY AND INTENSIVE PROCESSES
EASY MAINTENANCE

LAYOUT HSK 63F CB

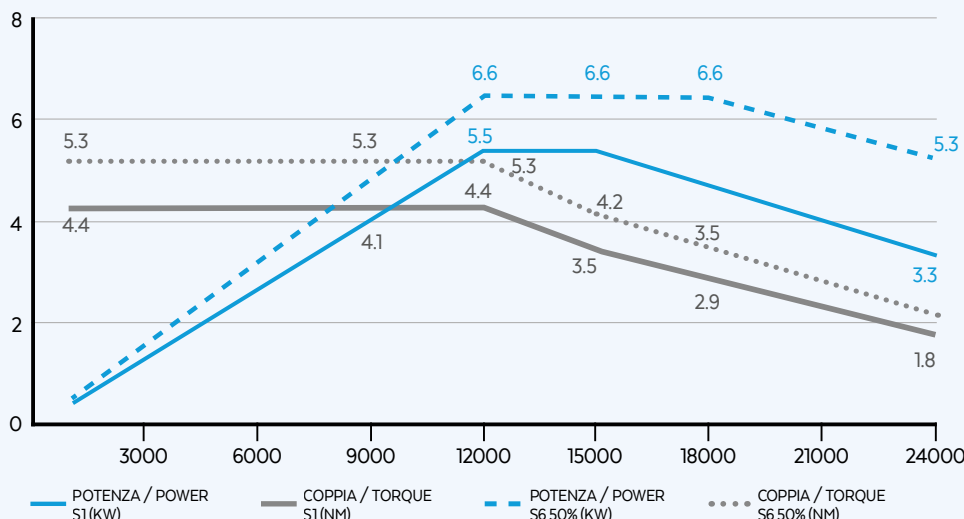


ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
ISO 30	+6,9 mm	489,4 mm
Aria compressa / Compressed air	ISO30= -44 mm	438,5 mm
	HSK63F= -44 mm	438,5 mm
Encoder (1 Vpp or TTL)	ISO30= +7 mm	496,4 mm
	HSK= +7 mm	489,5 mm

QE-1F 5.5/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector CC
- Quick connection PP
- Long nose
- Air tool
- ISO 30
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-axes available
- Sensor s5
- Compressed air cooling

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

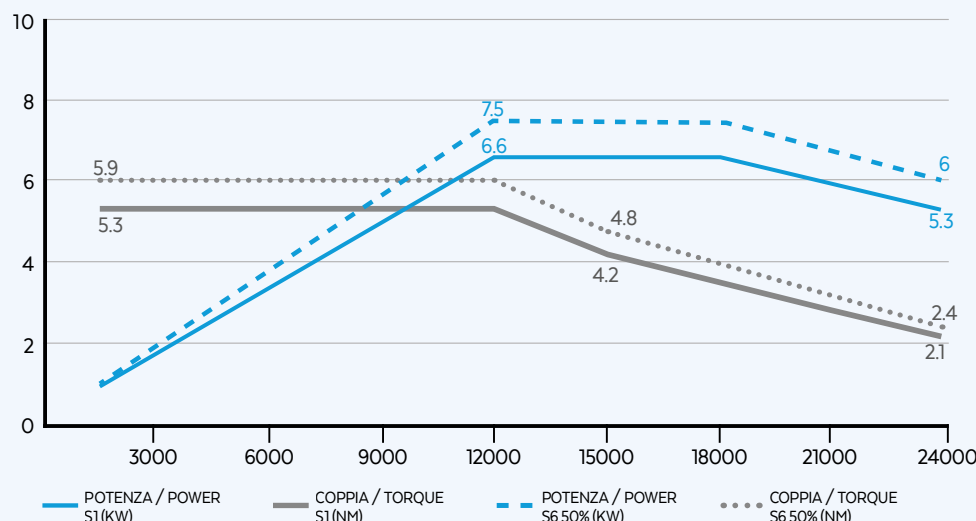
S1-S6 kW 5.5/6.6	S1-S6 A 13.5/14.5	Pol es 4
S1-S6 Nm 4.4/5.3	Volt 380	Supply inverter
rpm 24000	kg 21	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Electrofan cooling
- Labyrinth with air seal
- Grease lubrication
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)

QE-1F 6.6/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector CC
- Quick connection PP
- Long nose
- Air tool
- ISO 30
- Dual voltage 220V-380V
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-axes available
- Sensor s5
- Compressed air cooling

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

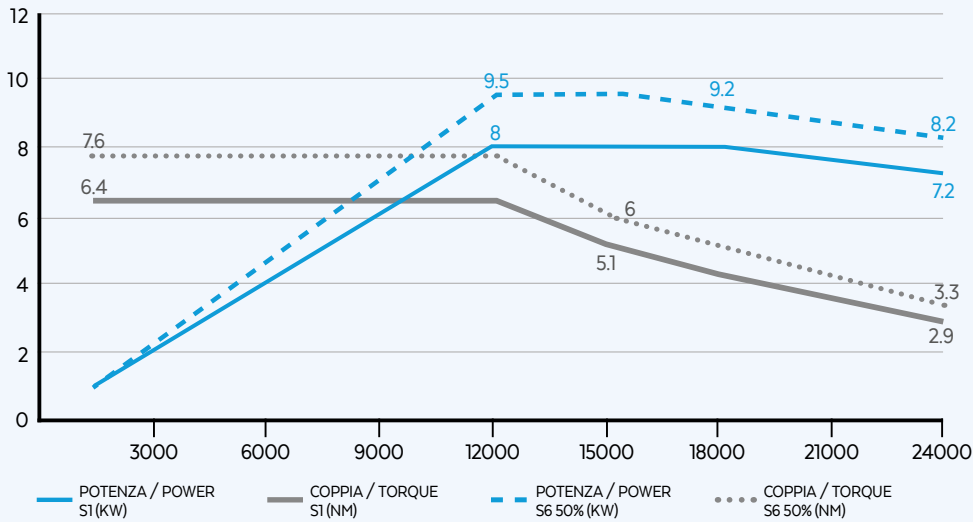
S1-S6 kW 6.6/7.5	S1-S6 A 14.5/16	Pol es 4
S1-S6 Nm 5.3/5.9	Volt 380	Supply inverter
rpm 24000	kg 21	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Electrofan cooling
- Grease lubrication
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)

QE-1F 8/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Circular connector CC
- Bearings temperature monitoring
- Quick connection pp
- Speed monitoring
- Long nose
- Vibration sensor
- Air tool
- C-axis available
- Sensor s5
- Encoder 1Vpp or TTL
- ISO 30
- Compressed air cooling
- Dual voltage 220V-380V
- iSPINDLE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

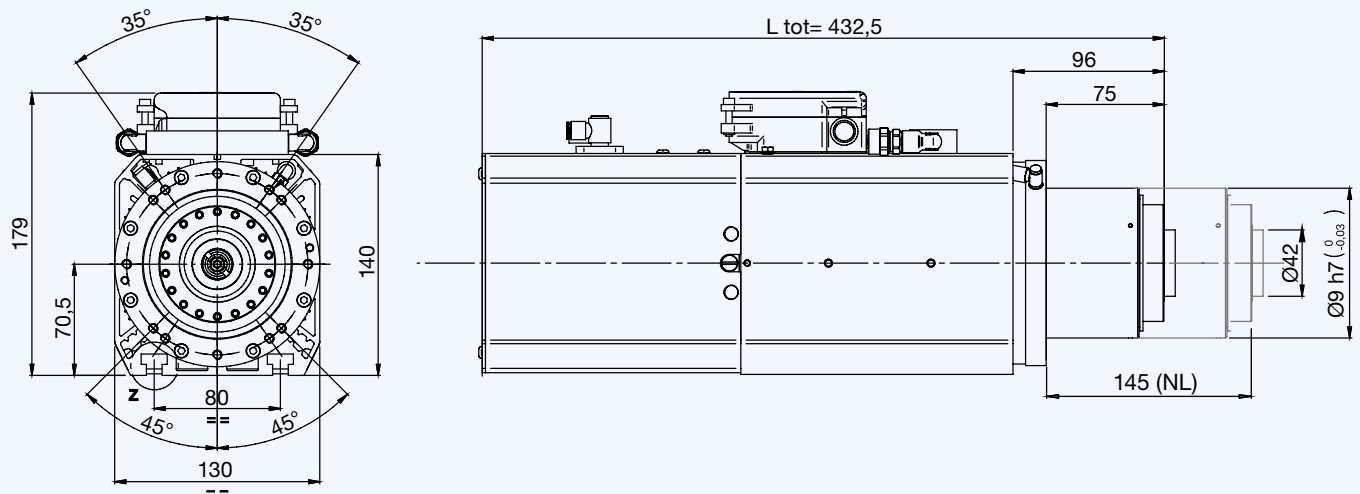
- S1-S6 kW** 8/9.5
- S1-S6 A** 18.5/20.5
- Pol es** 4
- S1-S6 Nm** 6.4/7.6
- Volt** 380
- Supply** inverter
- rpm** 24000
- kg** 21

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Electrofan cooling
- Ceramic ball bearings
- Labyrinth with air seal
- Grease lubrication
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Taper cleaning

LAYOUT ISO 30 PP

LIQUID



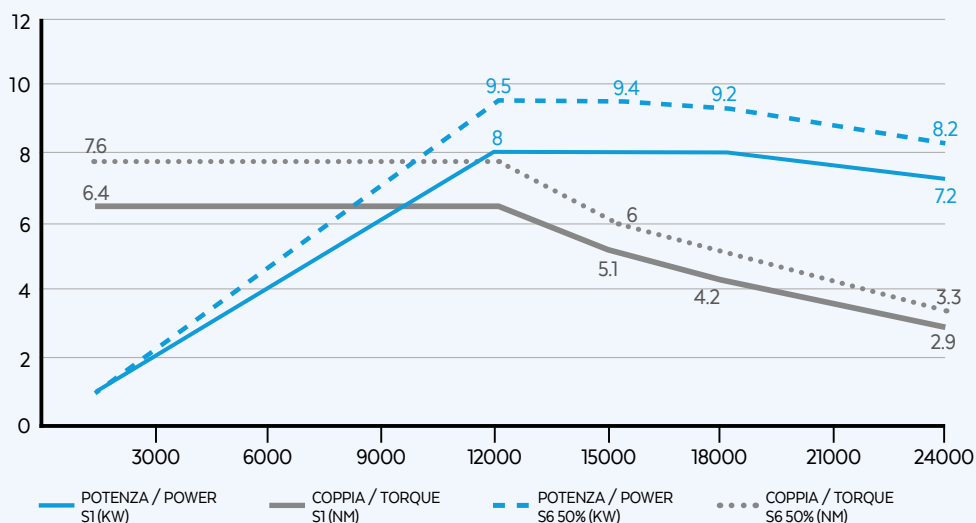
ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
Encoder (1 Vpp or TTL)	ISO30= +7 mm	439,5 mm
	HSK 63F= +7 mm	432,5 mm

QE-2 8/12 24

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Bearings temperature monitoring
- Long nose
- Speed monitoring
- Air tool
- Vibration sensor
- Quick connection pp machine side
- C-AXES C-axis available
- Sensor s5
- HSK 63F
- iSPINDLE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 8/9.5	S1-S6 A 18.5/20.5	Pol es 4
S1-S6 Nm 6.4/7.6	Volt 380	Sup ply inverter
rpm 24000	kg 21	

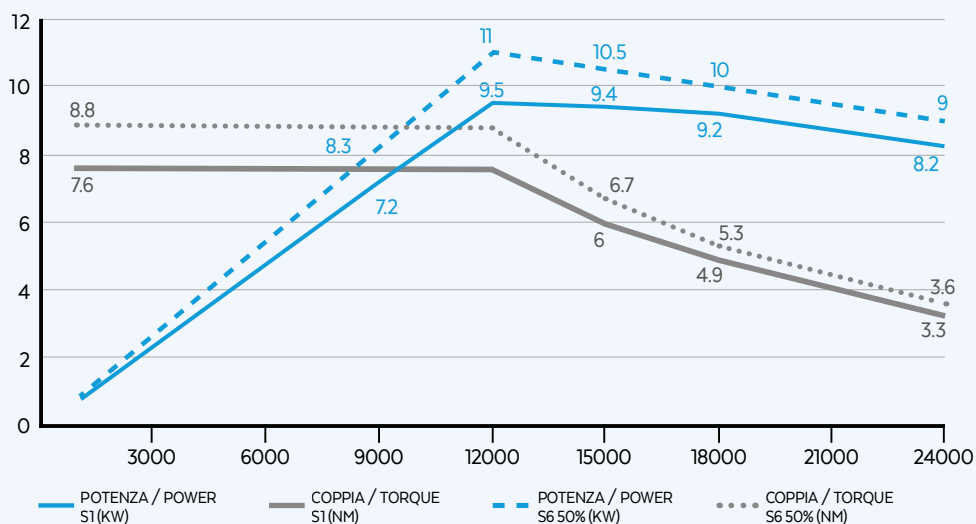
EQUIPAGGIAMENTO / EQUIPMENT

- ISO 30
- Liquid cooling
- Ceramic ball bearings
- Labyrinth with air seal
- Taper cleaning
- Quick connection pp spindle side
- Double effect pneumatic cylinder
- Automatic tool change (A.T.C)
- Sensors s1, s2, s3
- Grease lubrication

QE-2 9,5/12 24

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Bearings temperature monitoring
- Long nose
- Speed monitoring
- Air tool
- Vibration sensor
- Quick connection pp machine side
- C-AXES C-axis available
- Sensor s5
- HSK 63F
- iSPINDLE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 9.5/11	S1-S6 A 20.5/23	Pol es 4
S1-S6 Nm 7.6/8.8	Volt 380	Sup ply inverter
rpm 24000	kg 21	

EQUIPAGGIAMENTO / EQUIPMENT

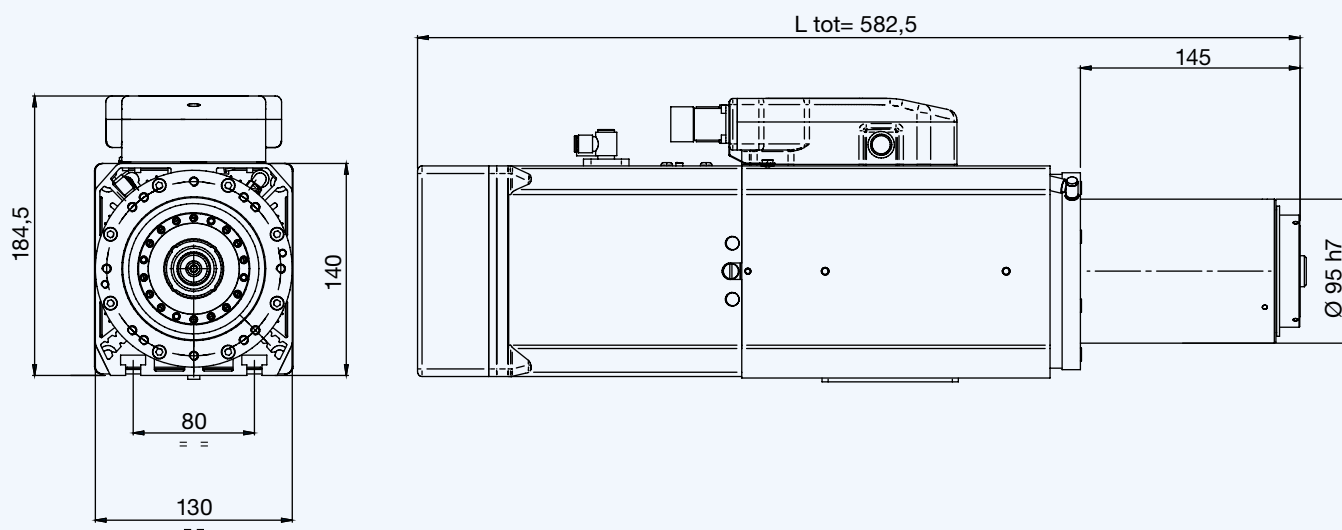
- ISO 30
- Liquid cooling
- Ceramic ball bearings
- Labyrinth with air seal
- Taper cleaning
- Quick connection pp spindle side
- Double effect pneumatic cylinder
- Automatic tool change (A.T.C)
- Sensors s1, s2, s3
- Grease lubrication

POWERTECH 400 HIGH SPEED



SUITABLE FOR MACHINING ALUMINUM AND COMPOSITES
LONG NOSE DESIGN TO GUARANTEE STRONG RIGIDITY
AIR COOLED SPINDLES WITH HIGH SPEED UP TO 28K RPM FOR FASTER FEED RATES
AVAILABLE WITH ISO 30, HSK 63F AND DUAL VOLTAGE

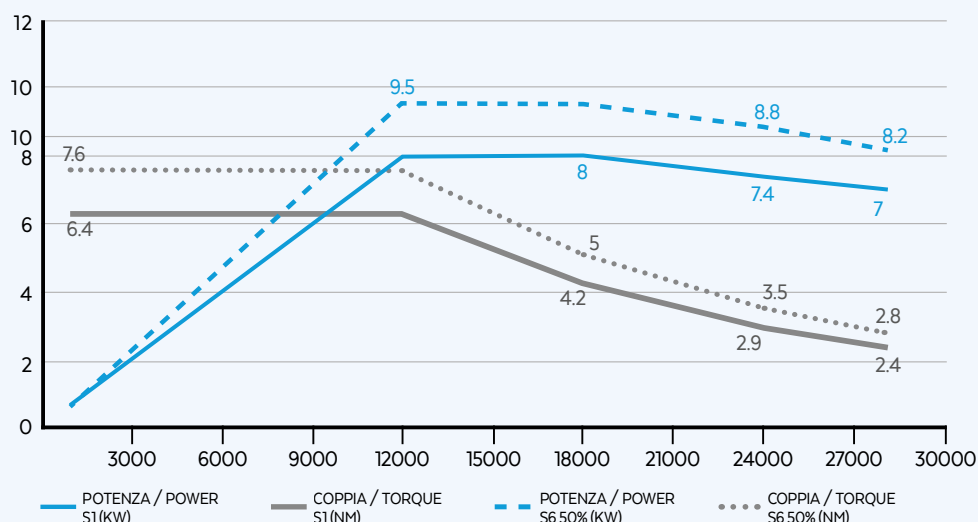
LAYOUT HSK 63F CC



ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
ISO 30	+6,9 mm	589,4 mm
Encoder (1 Vpp or TTL)	+7 mm	589,5 mm

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- ISO 30
- Air tool
- Quick connection pp
- Sensor s5
- Dual voltage 220V-380V
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-axis available
- Circular connector cc machine side
- iSPINDLE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 8/9
- S1-S6 Nm 6.4/7.6
- rpm 28000
- S1-S6 A 17/19
- Volt 380
- kg 25
- Pol es 4
- Supply inverter

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Circular connector spindle side
- Electrofan cooling
- Labyrinth with air seal
- Taper cleaning
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

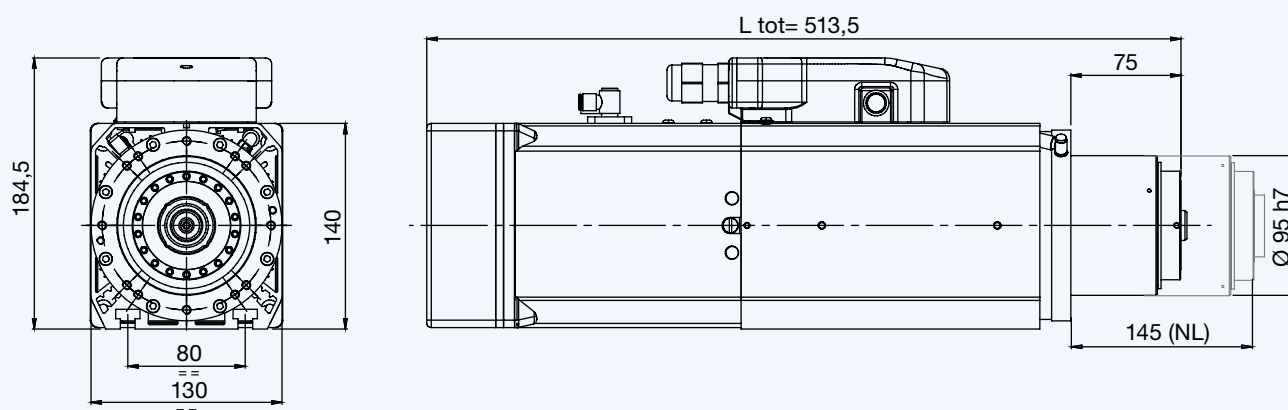


POWERTECH 400



SUITABLE FOR MACHINING WOOD AND ALUMINUM
WIDE RANGE OF POWER UP TO 16 KW. HIGH TORQUE VERSIONS AVAILABLE
AVAILABLE WITH LIQUID COOLING FOR HEAVY AND INTENSIVE PROCESSES
EASY MAINTENANCE

LAYOUT HSK 63F CB



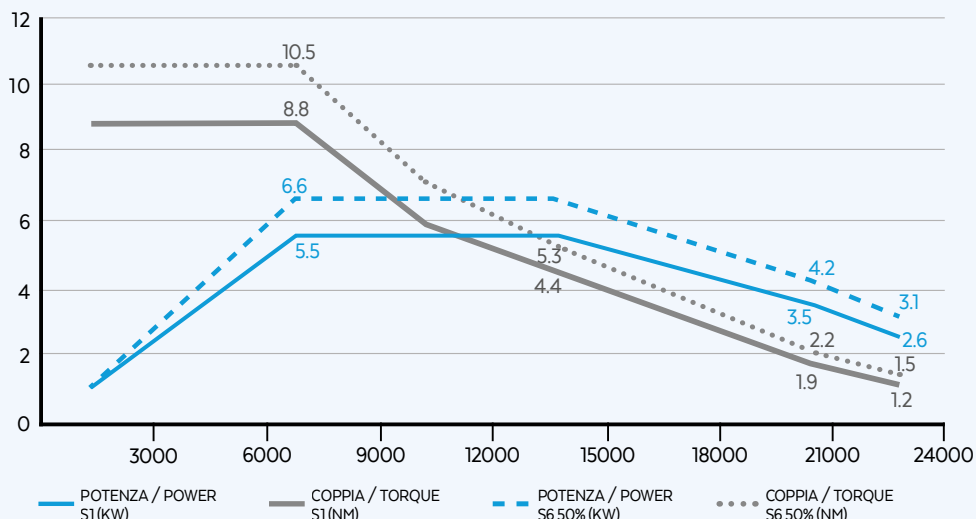
ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
ISO 30	+6,9 mm	520,6 mm
Aria compressa / Compressed air	ISO30= -44 mm	469,5 mm
	HSK63F= -44 mm	469,5 mm
Encoder (1 Vpp or TTL)	+7 mm	520,5 mm
	+7 mm	470,5 mm

QE-1F 5.5/6 20

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

Encoder 1Vpp or TTL	Bearings temperature monitoring
Circular connector CC	Speed monitoring
Quick connection PP	Vibration sensor
Air tool	C-axis available
Long nose	Sensor s5
ISO 30	Compressed air cooling
iSPINDLE	

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 5.5/6.6	S1-S6 A 12/13	Pol es 4
S1-S6 Nm 8.8/10.5	Volt 380	Supply inverter
rpm 20000	kg 24	

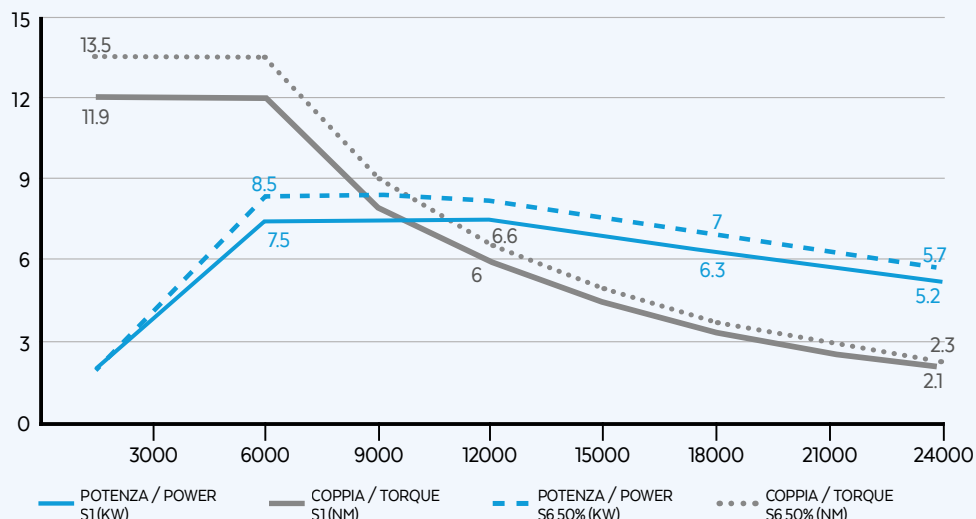
EQUIPAGGIAMENTO / EQUIPMENT

HSK 63F	Electrofan cooling	Double effect pneumatic cylinder	Automatic tool change (A.T.C)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2, s3	Grease lubrication
Taper cleaning			

QE-1F 7.5/6 24

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

Encoder 1Vpp or TTL	Bearings temperature monitoring
Circular connector CC	Speed monitoring
Quick connection PP	Vibration sensor
Air tool	C-axis available
Long nose	Sensor s5
ISO 30	iSPINDLE

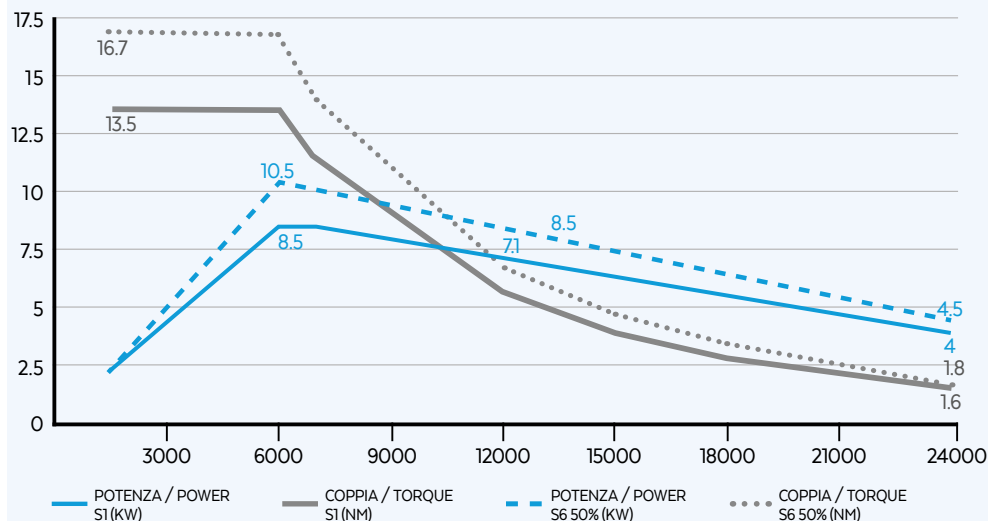
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 7.5/8.5	S1-S6 A 19.5/21.5	Pol es 4
S1-S6 Nm 11.9/13.5	Volt 380	Supply inverter
rpm 24000	kg 24	

EQUIPAGGIAMENTO / EQUIPMENT

HSK 63F	Electrofan cooling	Double effect pneumatic cylinder	Automatic tool change (A.T.C)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2, s3	Grease lubrication
Taper cleaning			

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector CC
- Plug & Play
- Long nose
- Air tool
- Voltage 220V
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-axes available
- Sensor s5
- ISO 30

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 8.5/10.5
- S1-S6 A 20/25
- Pol es 4
- S1-S6 Nm 13.5/16.7
- Volt 380
- Supply inverter
- rpm 24000
- kg 24

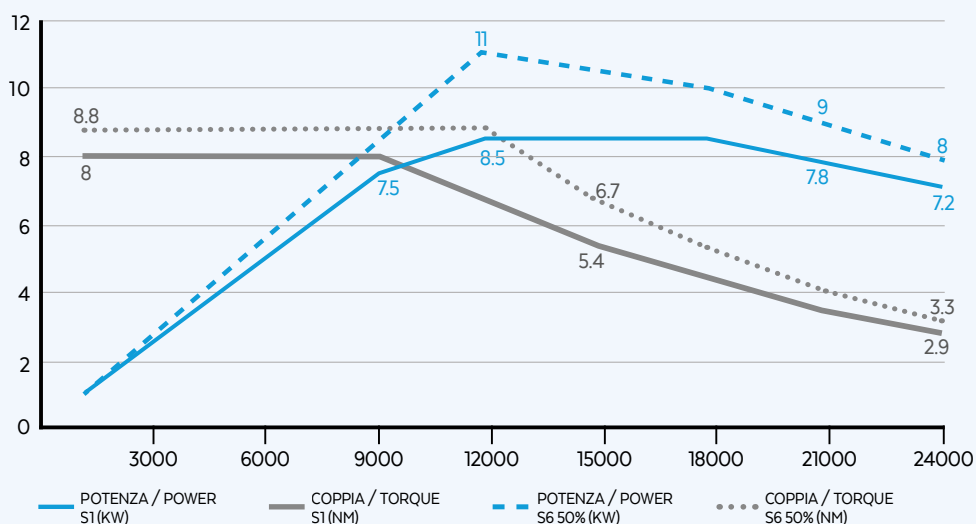
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Electrofan cooling
- Labyrinth with air seal
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication



QE-1F 8.5/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

Encoder 1 Vpp or TTL	Bearings temperature monitoring
Circular connector CC	Speed monitoring
Quick connection PP	Vibration sensor
Long nose	C-axis available
Air tool	Sensor s5
Voltage 220V	ISO 30
Dual voltage 220V-380V	iSPINDLE
Compressed air cooling	

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

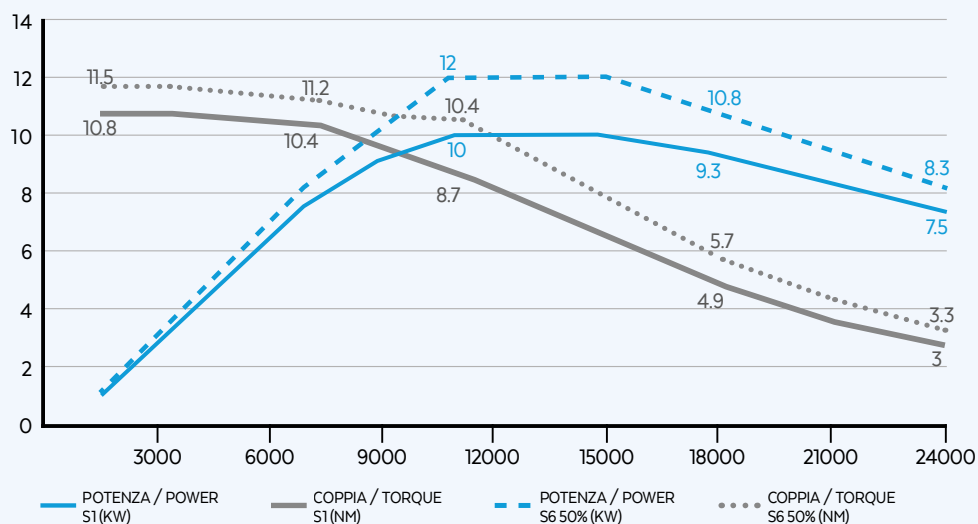
S1-S6 kW 8/9.5	S1-S6 A 18.5/20.5	Poles 4
S1-S6 Nm 6.4/7.6	Voltage 380	Supply inverter
rpm 24000	kg 21	

EQUIPAGGIAMENTO / EQUIPMENT

HSK 63F	Electrofan cooling	Double effect pneumatic cylinder	Automatic tool change (A.T.C.)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2, s3	Grease lubrication
Taper cleaning			

QE-1F 10/11 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

Encoder 1 Vpp or TTL	Bearings temperature monitoring
Circular connector CC	Speed monitoring
Quick connection PP	Vibration sensor
ISO 30	C-axis available
Voltage 220V	Sensor s5
Air tool	Long nose
Dual voltage 220V-380V	iSPINDLE
Compressed air cooling	

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

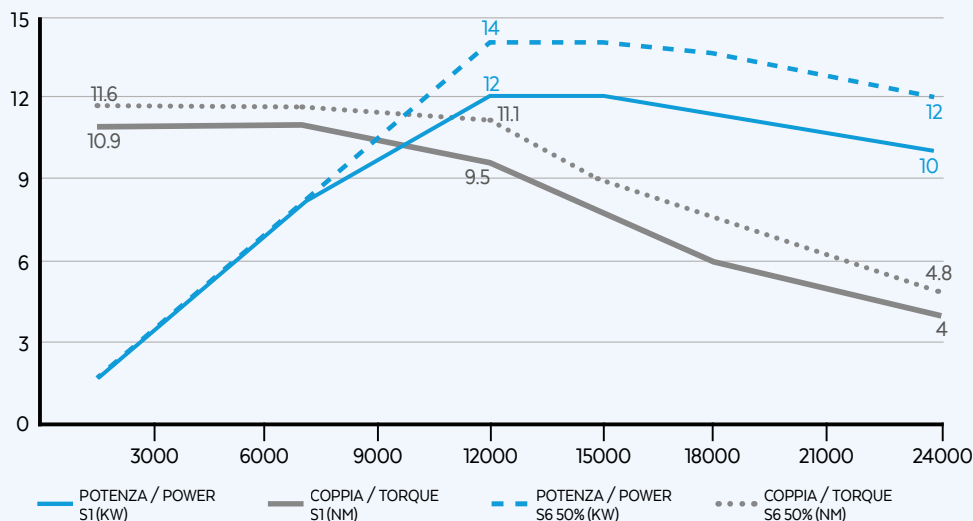
S1-S6 kW 10/12	S1-S6 A 25/27	Poles 4
S1-S6 Nm 10.8/11.5	Voltage 380	Supply inverter
rpm 24000	kg 23	

EQUIPAGGIAMENTO / EQUIPMENT

HSK 63F	Electrofan cooling	Double effect pneumatic cylinder	Automatic tool change (A.T.C.)
Ceramic ball bearings	Sensors s1, s2, s3	Grease lubrication	Taper cleaning
Labyrinth with air seal			

QE-1F 12/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1 Vpp or TTL
- Circular connector CC
- Quick connection PP
- Air tool
- Long nose
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-AXES
- Sensor s5

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

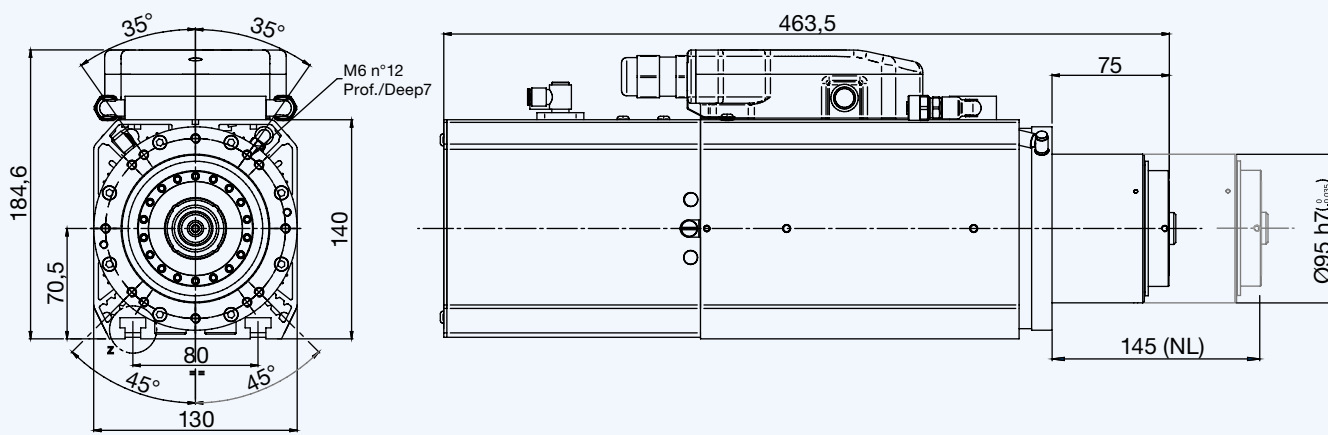
- S1-S6 kW 12/14
- S1-S6 Nm 10.9/11.6
- rpm 24000
- S1-S6 A 23/27
- Volt 380
- kg 23
- Pol es 4
- Supply inverter

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Labyrinth with air seal
- Electrofan cooling
- Sensors s1, s2, s3
- Double effect pneumatic cylinder
- Grease lubrication
- Automatic tool change (A.T.C)
- Taper cleaning

LAYOUT HSK 63F CB

LIQUID

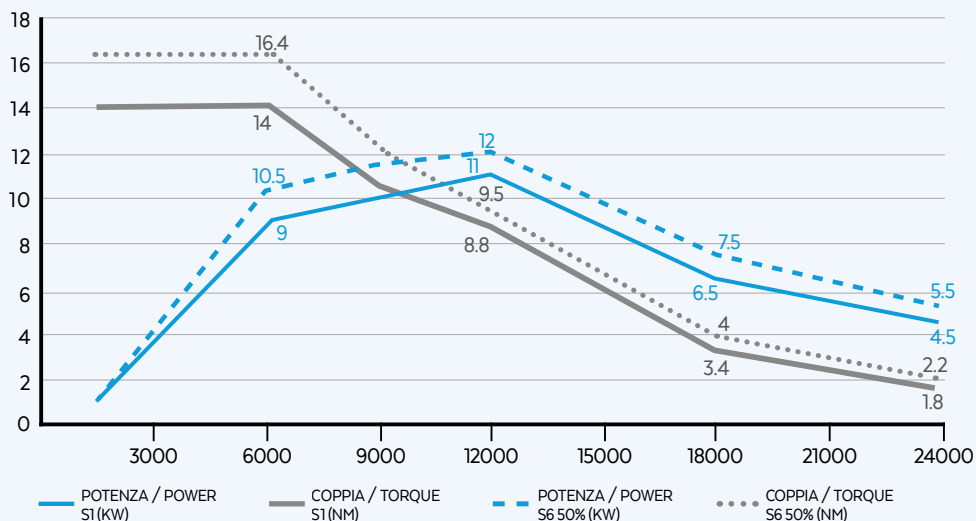


ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
Encoder (1 Vpp or TTL)	+7 mm	470,5 mm

QE-2 9/6 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector CC
- Quick connection PP
- Air tool
- Long nose
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-axes available
- Sensor s5

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 9/10.5	S1-S6 A 20/22.5	Pol es 4
S1-S6 Nm 14/16.4	Volt 380	Supply inverter
rpm 24000	kg 23	

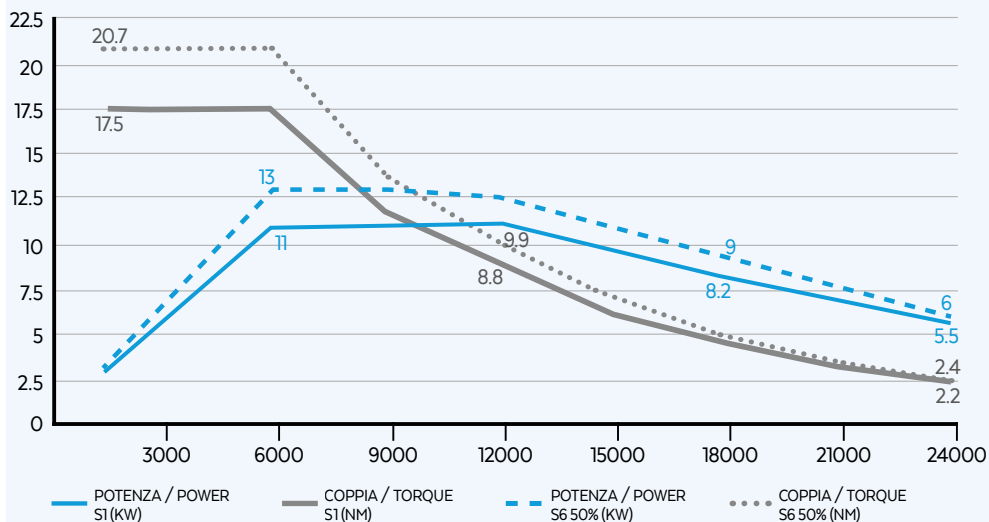
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

QE-2 11/6 24

LIQUID HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector CC
- Quick connection PP
- Air tool
- Long nose
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-axes available
- Sensor s5

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 11/13	S1-S6 A 24/28	Pol es 4
S1-S6 Nm 17.5/20.7	Volt 380	Supply inverter
rpm 24000	kg 23	

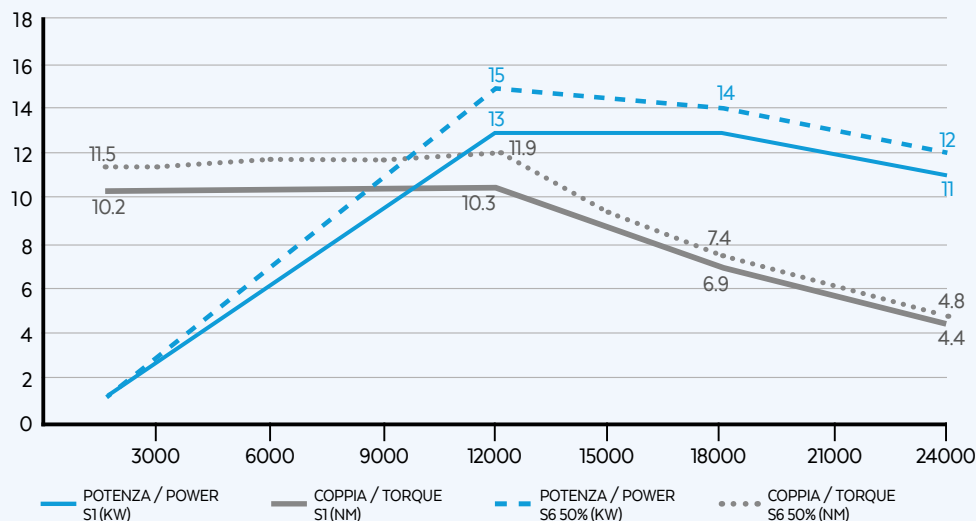
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

QE-2 13/12 24

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector CC
- Quick connection PP
- Air tool
- Long nose
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-AXES C-axis available
- Sensor s5

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 13/15	S1-S6 A 28/31	Pol es 4
S1-S6 Nm 10.3/11.9	Volt 380	Supply inverter
rpm 24000	kg 23	

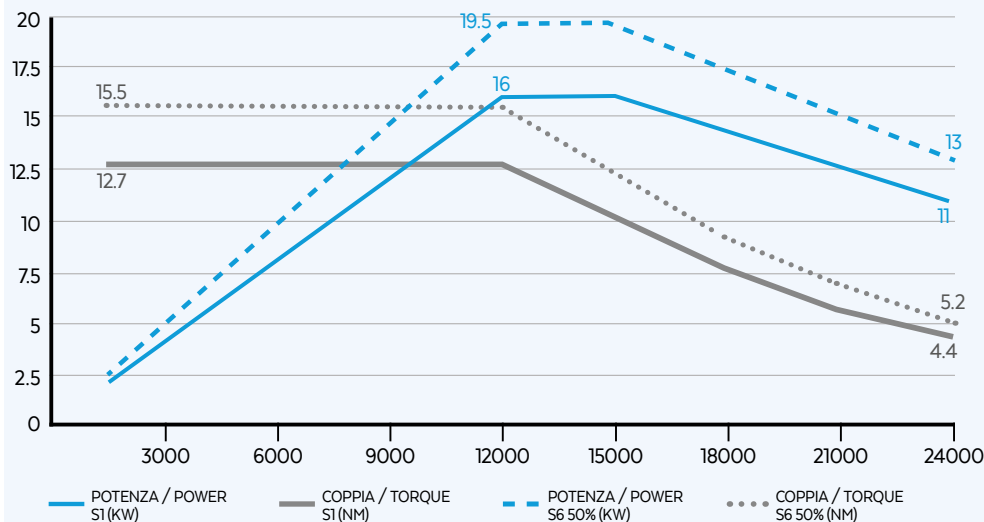
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Liquid cooling
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal
- Taper cleaning

QE-2 16/12 24

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

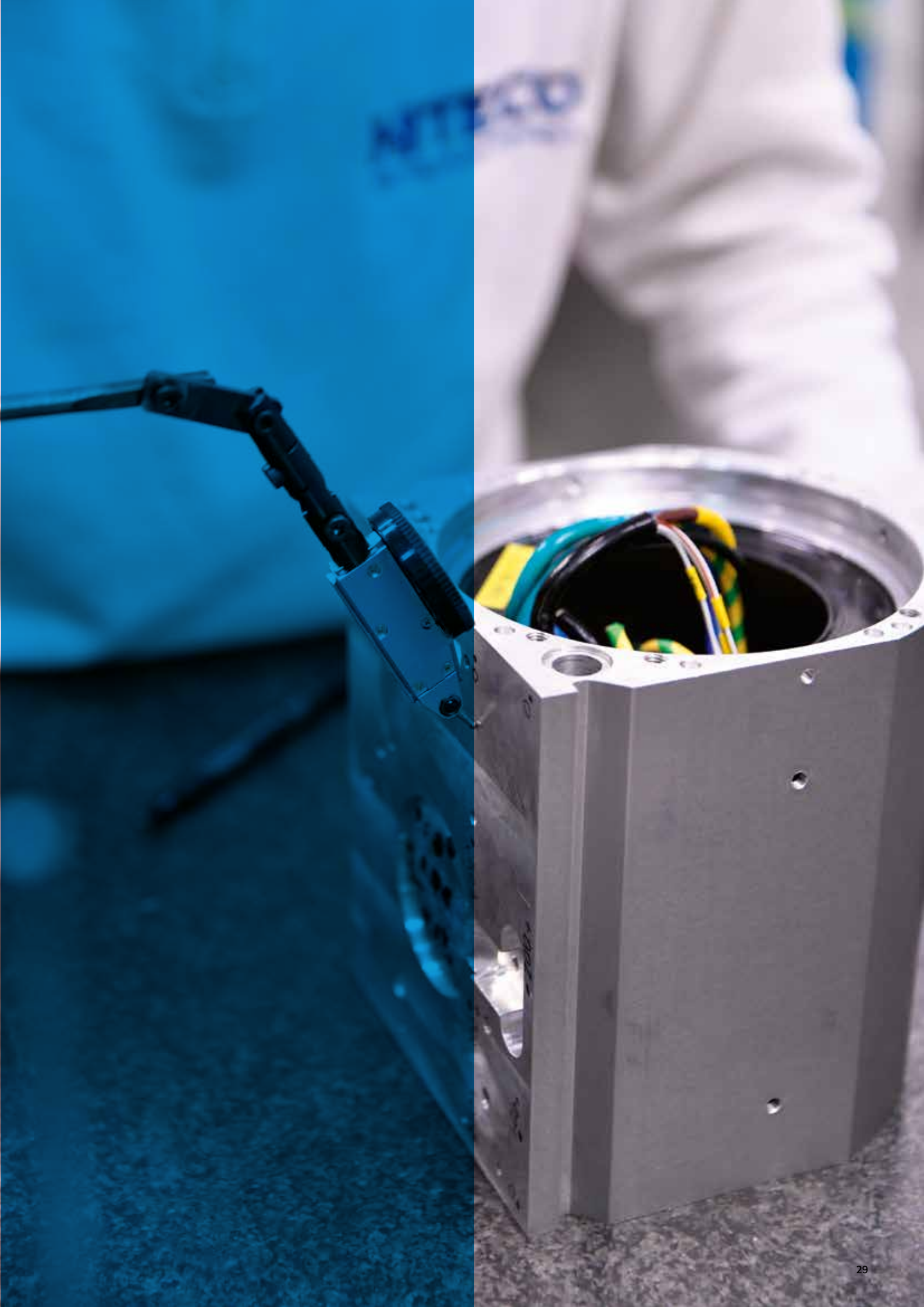
- Encoder 1Vpp or TTL
- Quick connection PP
- Air tool
- Long nose
- iSPINDLE
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- C-AXES C-axis available
- Sensor s5

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 16/19.5	S1-S6 A 31/36	Pol es 4
S1-S6 Nm 12.7/15.5	Volt 380	Supply inverter
rpm 24000	kg 23	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Liquid cooling
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication
- Ceramic ball bearings
- Labyrinth with air seal
- Taper cleaning

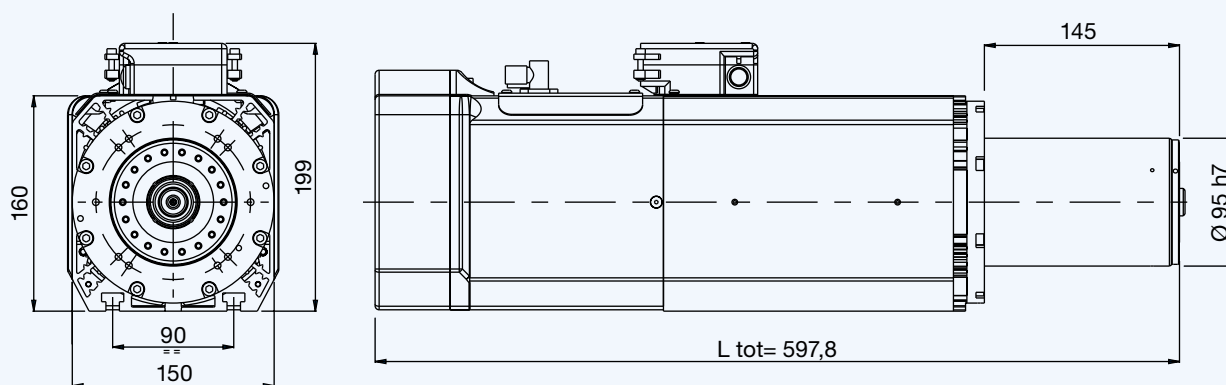


POWERTECH 500



SUITABLE FOR MACHINING WOOD AND ALUMINUM
WIDE RANGE OF POWER UP TO 18 KW AND HIGH TORQUES FOR HEAVY MACHINING
HSK 63E VERSIONS FOR WORKING WITH DOUBLE PROFILE TOOLS
SUITABLE FOR MACHINING WOODEN WINDOWS AND DOORS
AVAILABLE WITH LIQUID COOLING FOR INTENSIVE PROCESSES

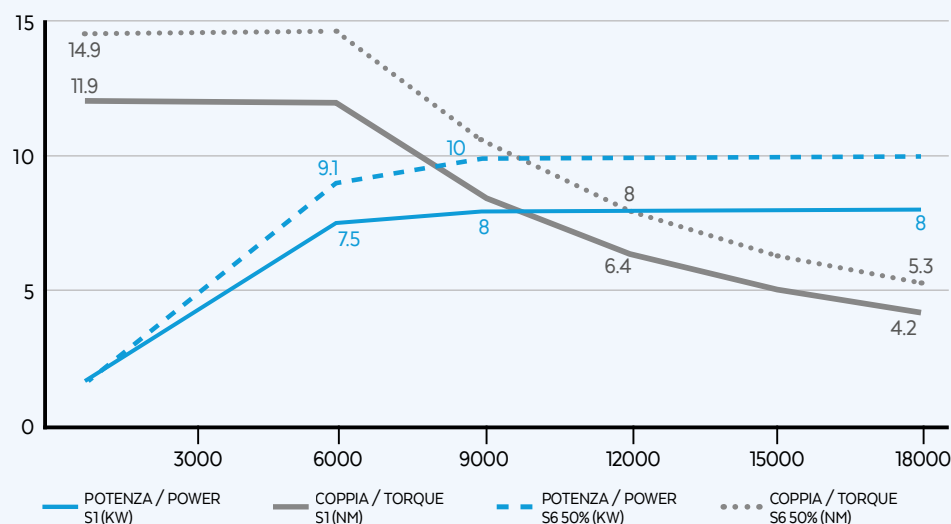
LAYOUT HSK 63F PP



QF-1F 8/9 18

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Vibration sensor
- Speed monitoring
- Quick connection pp machine side
- HSK 63E

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 8/10	S1-S6 A 20/24	Pol es 4
S1-S6 Nm 11.9/14.6	Volt 380	Sup ply inverter
rpm 18000	kg 35	

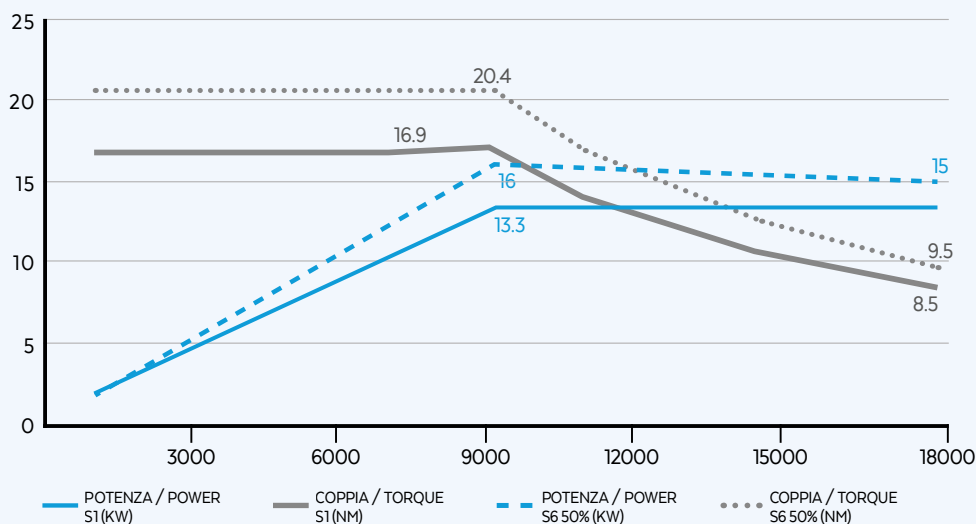
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Electrofan cooling
- Labyrinth with air seal
- Quick connection PP spindle side
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

QF-1F 13/7 15

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Vibration sensor
- Speed monitoring
- Quick connection pp machine side
- Temperature sensor
- HSK 63E

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

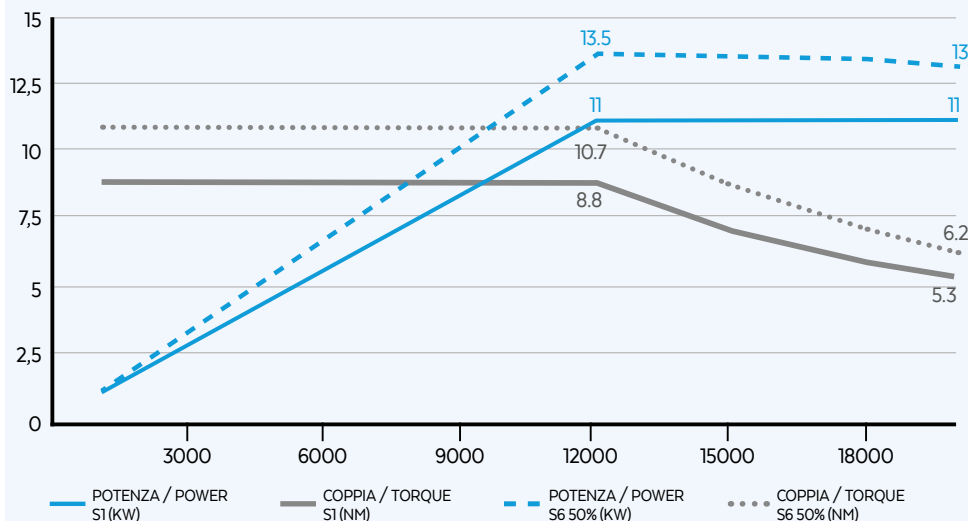
S1-S6 kW 13.3/16	S1-S6 A 28/32	Pol es 4
S1-S6 Nm 16.9/20.4	Volt 380	Sup ply inverter
rpm 18000	kg 35	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Electrofan cooling
- Labyrinth with air seal
- Quick connection PP spindle side
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

QF-1F 11/12 20

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Vibration sensor
- Speed monitoring
- Plug & Play Quick connection pp machine side

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

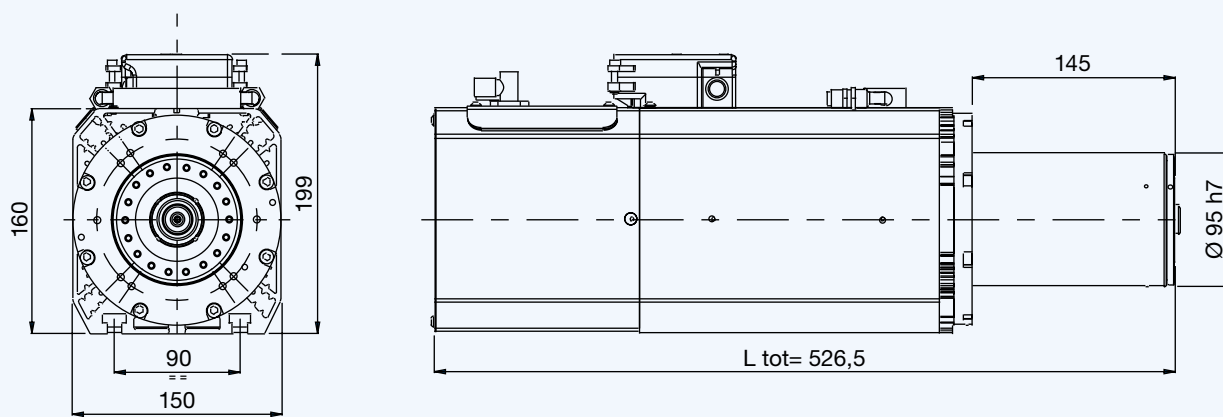
- S1-S6 kW 11/13.5
- S1-S6 A 28/32
- Poles 4
- S1-S6 Nm 8.8/10.7
- Volt 380
- Supply inverter
- rpm 20000
- kg 35

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Electrofan cooling
- Labyrinth with air seal
- Plug & Play Quick connection PP spindle side
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

LAYOUT HSK 63F PP

LIQUID



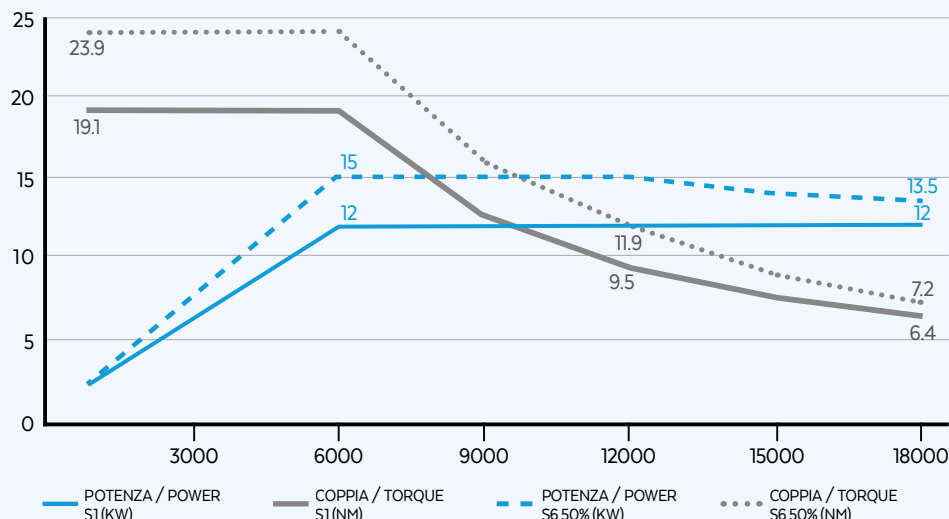
ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
HSK 63E	+21 mm	547,5 mm

QF-2 12/6 18

LIQUID HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Vibration sensor
- Speed monitoring
- Quick connection pp machine side
- HSK 63E

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 12/15	S1-S6 A 28/35	Pol es 4
S1-S6 Nm 19.1/23.9	Volt 380	Sup ply inverter
rpm 18000	kg 35	

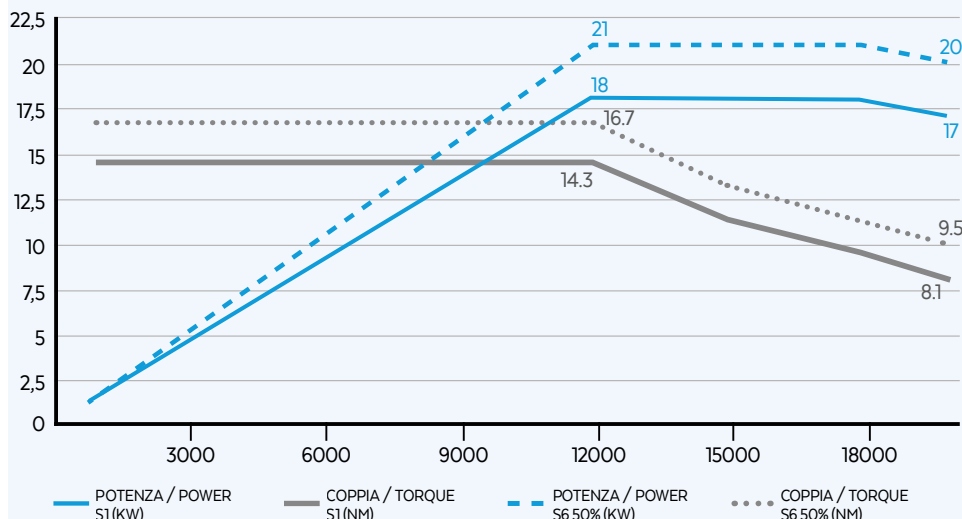
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Quick connection PP spindle side
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C.)
- Grease lubrication

QF-2 18/12 20

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Vibration sensor
- Speed monitoring
- Quick connection pp machine side
- HSK 63E

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 18/21	S1-S6 A 36/41	Pol es 4
S1-S6 Nm 14.3/16.7	Volt 380	Sup ply inverter
rpm 20000	kg 35	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Quick connection PP spindle side
- Double effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C.)
- Grease lubrication

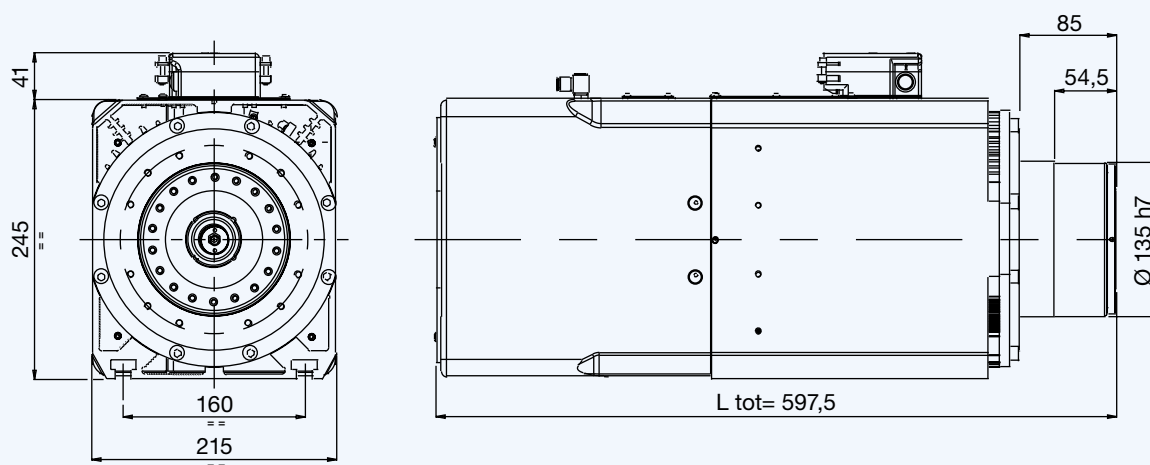
POWERTECH 600



SUITABLE FOR MACHINING WOOD AND ALUMINUM
POWER UP TO 18 KW AND HIGH TORQUES FOR HEAVY MACHINING
AIR COOLING

SUITABLE FOR HEAVY MACHINING ON WOODEN WINDOWS AND DOORS

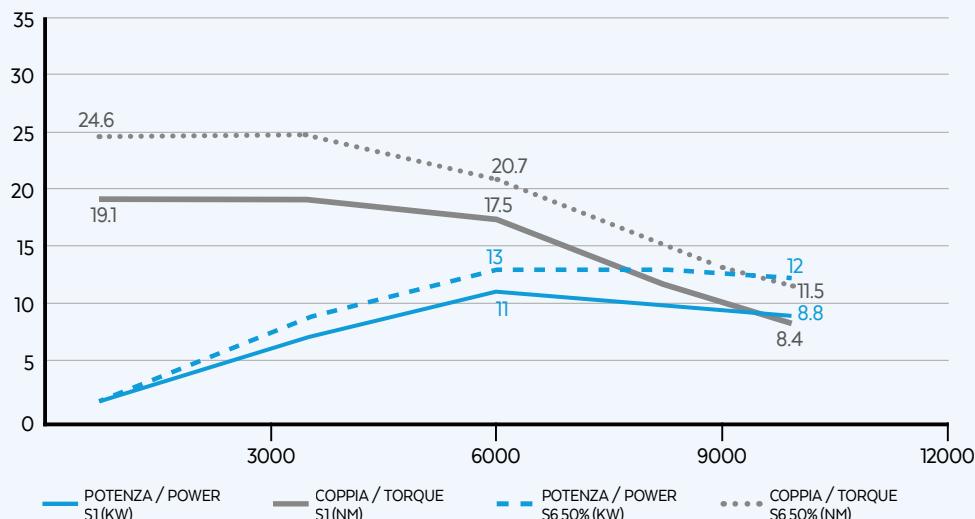
LAYOUT HSK 80F PP



QM-1F 11/6 10

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- Quick connection pp machine side
- HSK 85S
- iSPINDLE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

11/13	25/33	4
19.1/24.6	380	inverter
10000	70	

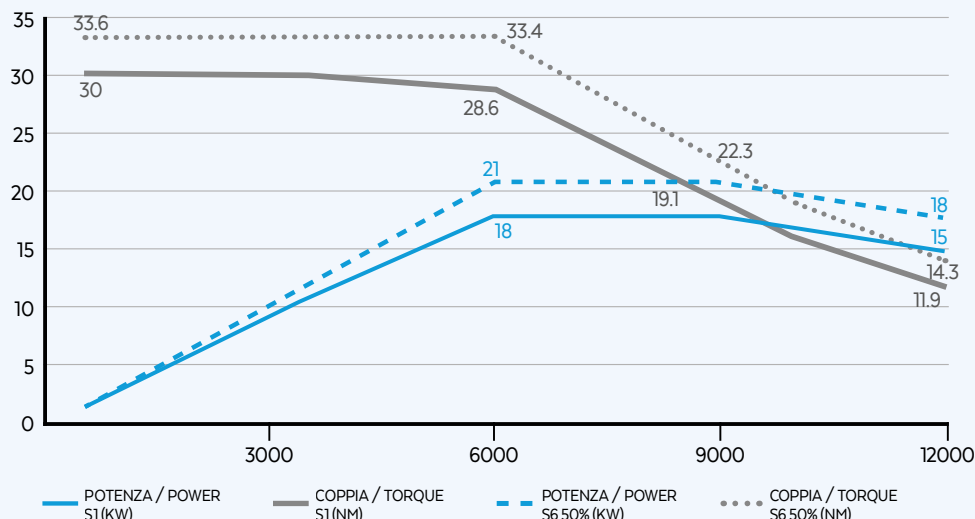
EQUIPAGGIAMENTO / EQUIPMENT

HSK 80F	Electrofan cooling	Single effect pneumatic cylinder	Automatic tool change (A.T.C.)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2, s3	Grease lubrication
Taper cleaning	Quick connection PP spindle side		

QM-1F 18/6 12

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- Quick connection pp machine side
- HSK 85S
- iSPINDLE

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

18/21	37/42	4
30/33.6	380	inverter
12000	70	

EQUIPAGGIAMENTO / EQUIPMENT

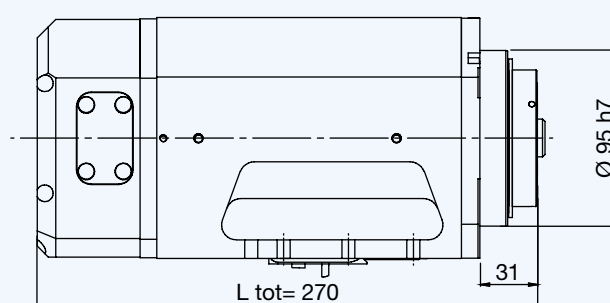
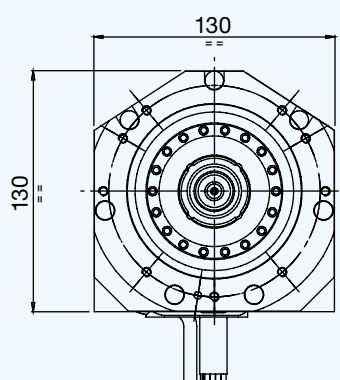
HSK 80F	Electrofan cooling	Single effect pneumatic cylinder	Automatic tool change (A.T.C.)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2, s3	Grease lubrication
Taper cleaning	Quick connection PP spindle side		

ROBOTECH QX



SUITABLE FOR MACHINING WOOD AND ALUMINUM
HIGH POWER IN A VERY COMPACT BODY
SUITABLE FOR BI-ROTARY HEADS (50° AND 90°) AND ROBOT APPLICATIONS
AVAILABLE WITH ENCODER ON BOARD

LAYOUT HSK 63F



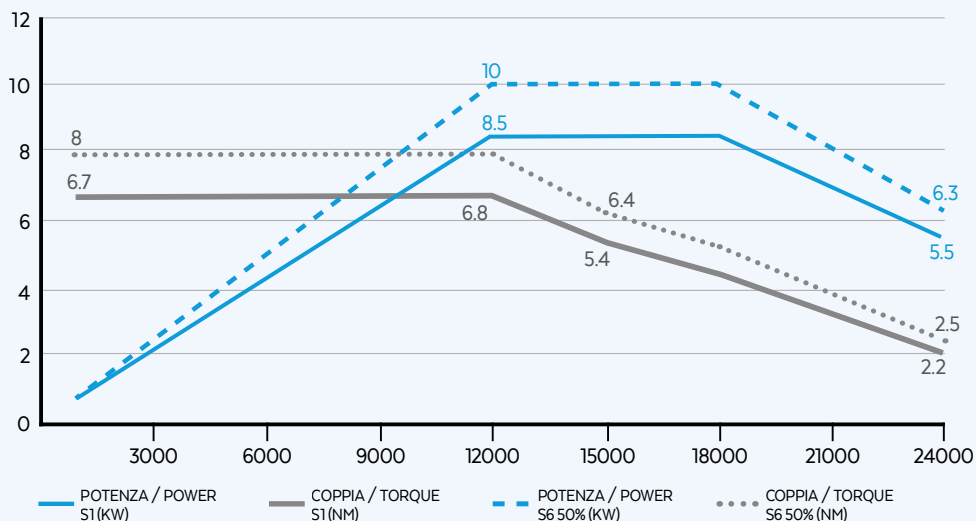
ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
Encoder (1 Vpp or TTL)	+25 mm	295 mm

QX-2 8.5/12 24

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Voltage 220V
- Sensor s5
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 8.5/10	S1-S6 A 20/22	Pol es 4
S1-S6 Nm 6.8/8	Volt 380	Supply inverter
rpm 24000	kg 18	

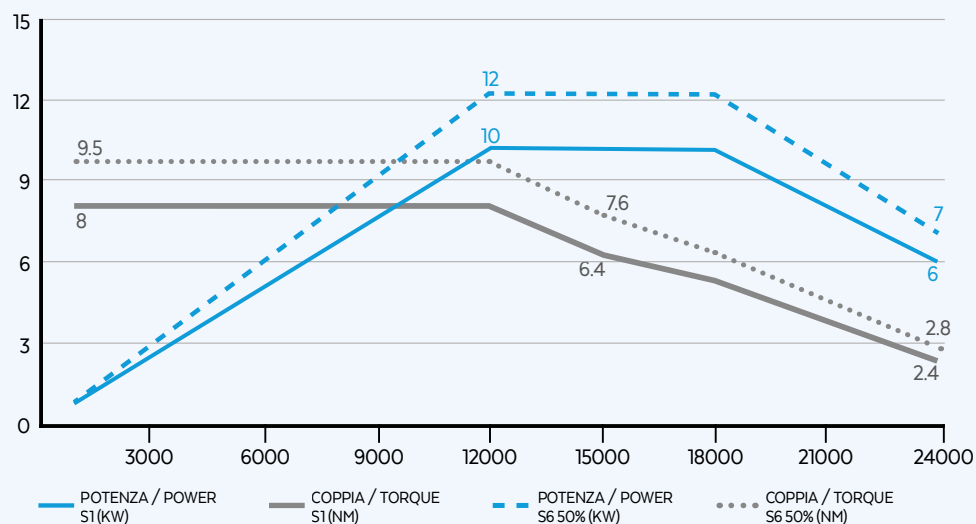
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C.)
- Sensors s1, s2, s3
- Grease lubrication

QX-2 10/12 24

LIQUID

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Voltage 220V
- Sensor s5
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor

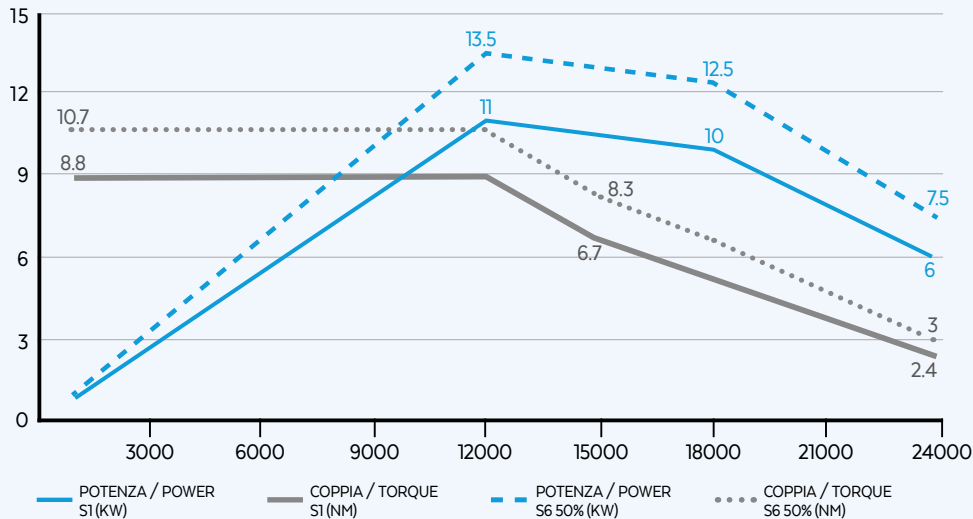
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 10/12	S1-S6 A 23/26	Pol es 4
S1-S6 Nm 8/9.5	Volt 380	Supply inverter
rpm 24000	kg 19	

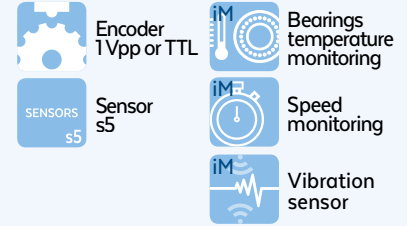
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C.)
- Sensors s1, s2, s3
- Grease lubrication

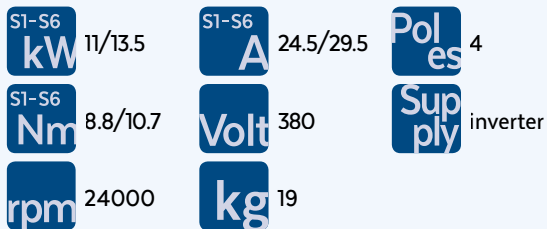
PRESTAZIONI / PERFORMANCES



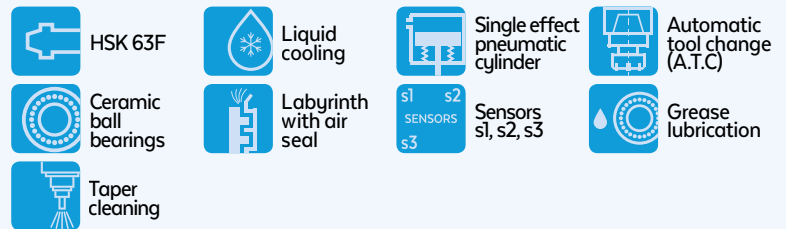
OPZIONALI / OPTIONS



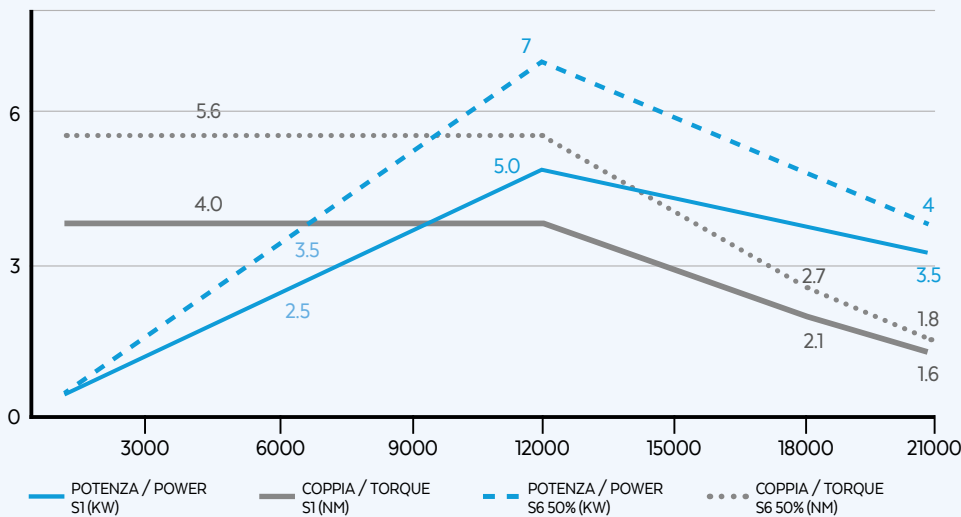
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS



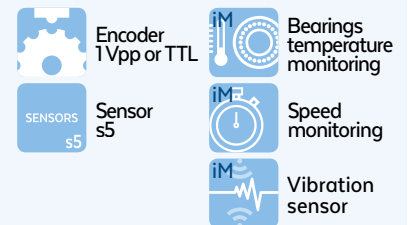
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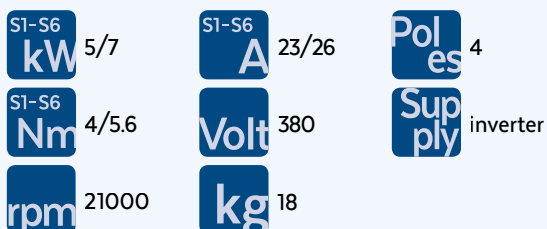
PRESTAZIONI / PERFORMANCES



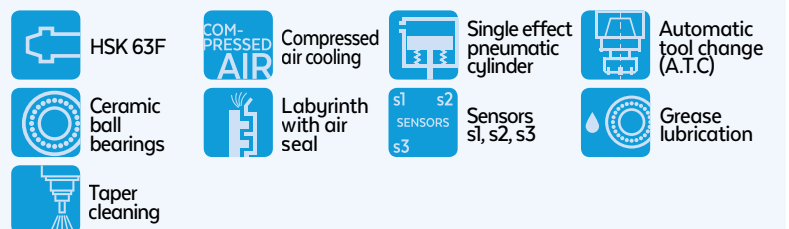
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS



EQUIPAGGIAMENTO / EQUIPMENT



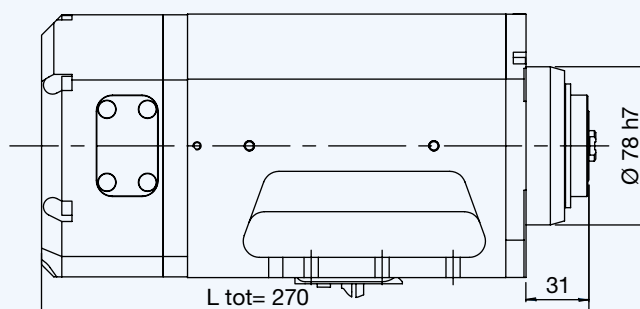
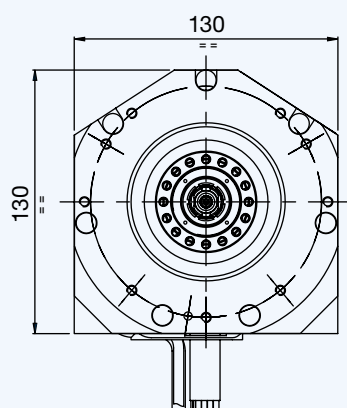


ROBOTECH QX HIGH SPEED



SUITABLE FOR MACHINING PLASTICS, ALUMINUM AND COMPOSITES
HIGH SPEED UP TO 40K RPM
SUITABLE FOR BI-ROTARY HEADS (50° AND 90°) AND ROBOT APPLICATIONS
AVAILABLE WITH ENCODER ON BOARD

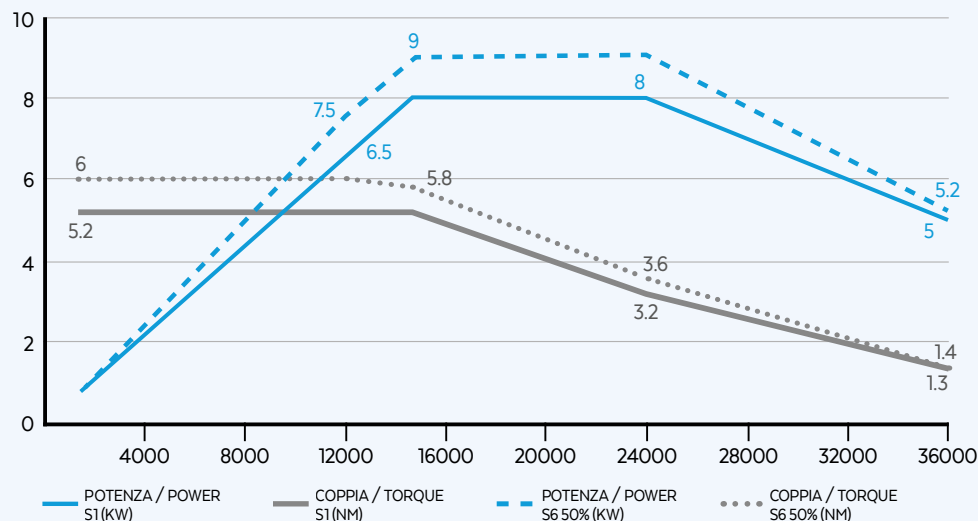
LAYOUT HSK 32E / HSK 40E



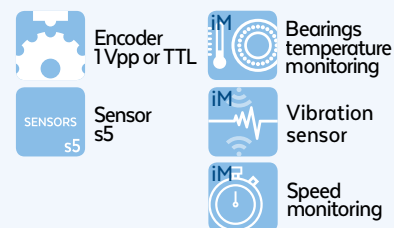
QX-2 8/15 36

HIGH SPEED

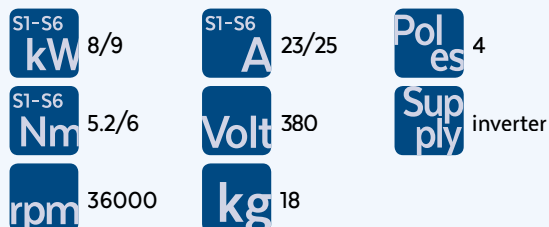
PRESTAZIONI / PERFORMANCES



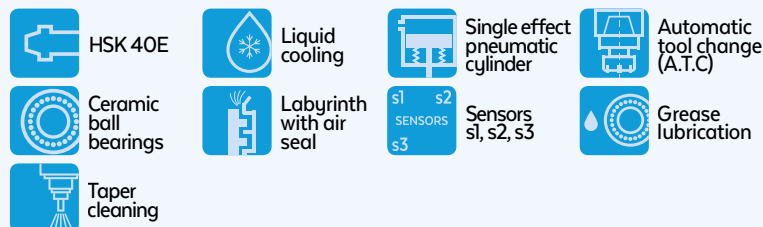
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS



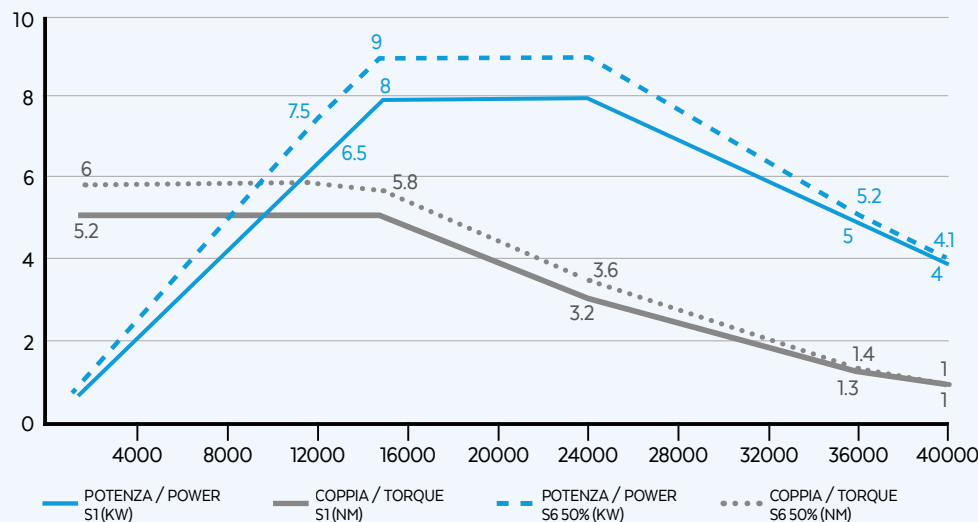
EQUIPAGGIAMENTO / EQUIPMENT



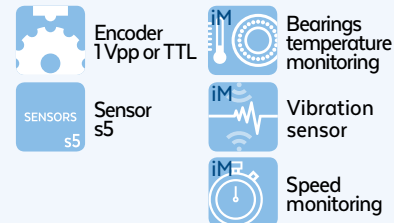
QX-2 8/15 40

HIGH SPEED

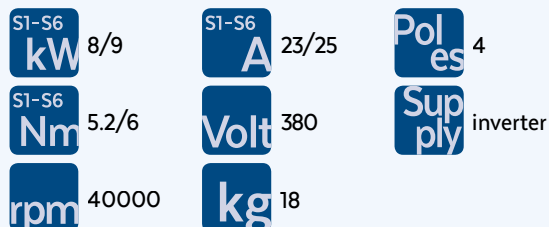
PRESTAZIONI / PERFORMANCES



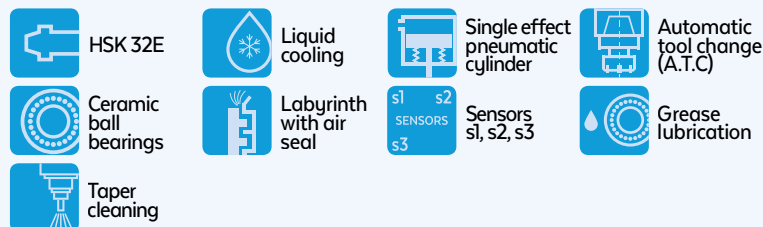
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS



EQUIPAGGIAMENTO / EQUIPMENT



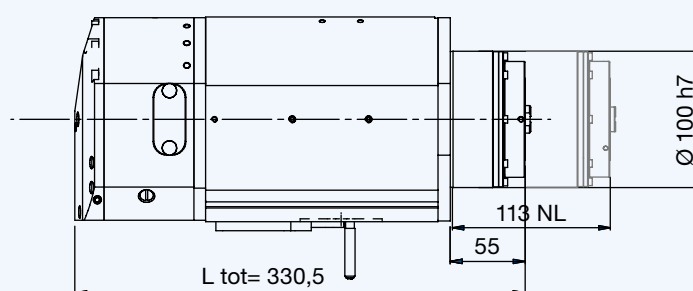
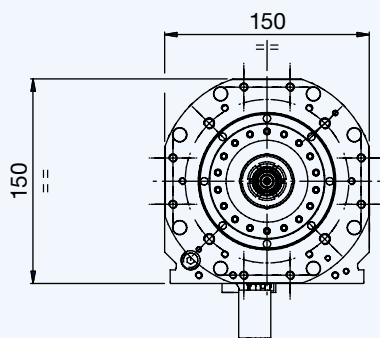
ROBOTECH PX-HX



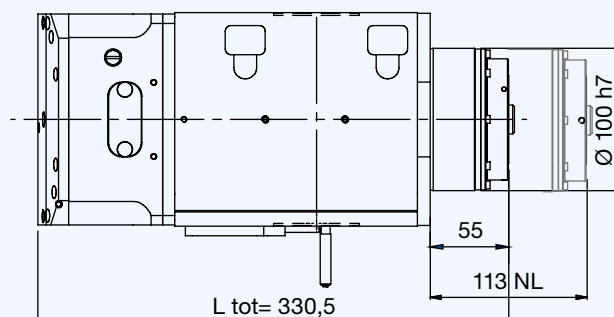
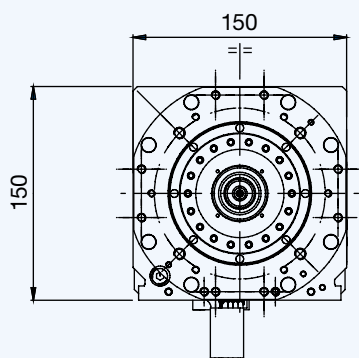
SUITABLE FOR MACHINING WOOD, PLASTICS, ALUMINUM AND COMPOSITES
POWER UP TO 20 KW AND HIGH TORQUES FOR HEAVY MACHINING
OPTIMAL DESIGN FOR BI-ROTARY HEADS (50° AND 90°)
AND ROBOT APPLICATIONS
AVAILABLE WITH ENCODER ON BOARD,
LONG NOSE WITH 3 FRONT BEARINGS, AIR TOOL, MQL AND OIL MIST
AVAILABLE WITH HSK63F, HSK 63E AND HSK 63A



LAYOUT PX HSK 63F



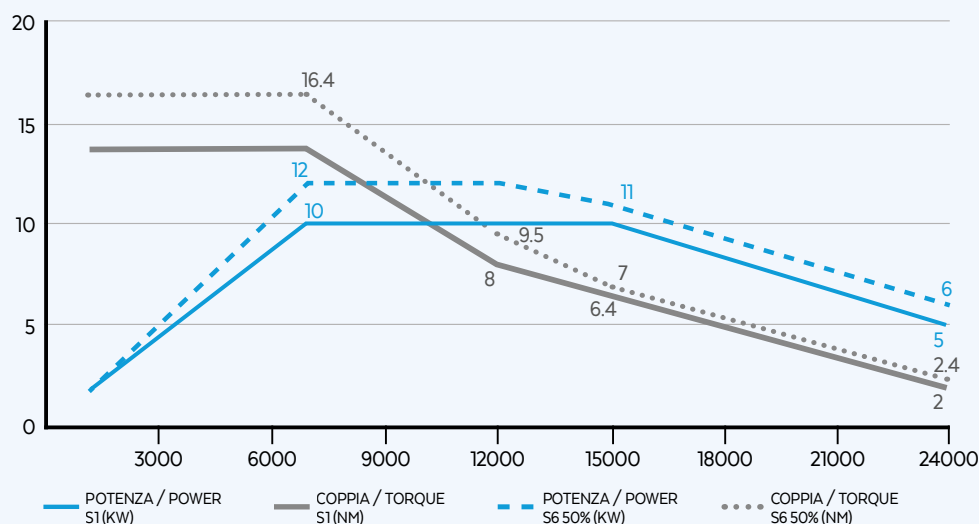
LAYOUT HX HSK 63F



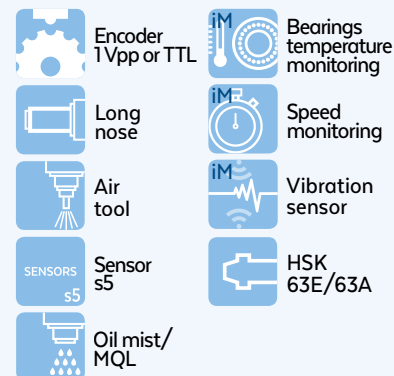
PX/HX-2 10/7 24

HIGH TORQUE

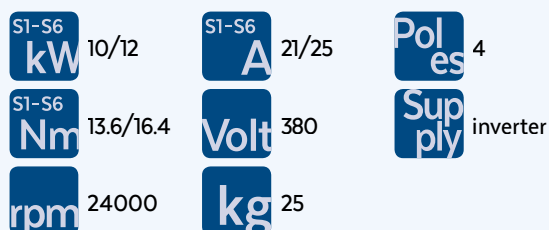
PRESTAZIONI / PERFORMANCES



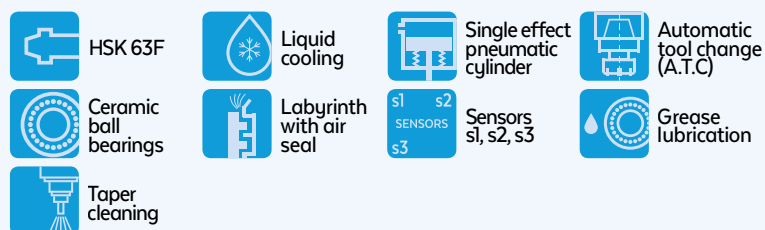
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

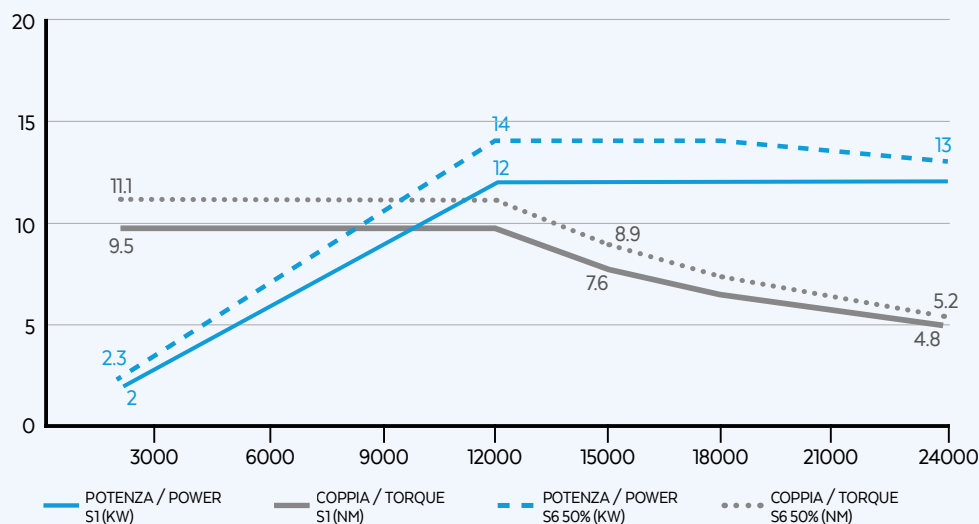


EQUIPAGGIAMENTO / EQUIPMENT

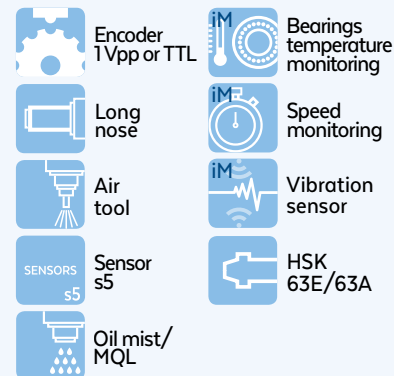


PX/HX-2 12/12 24

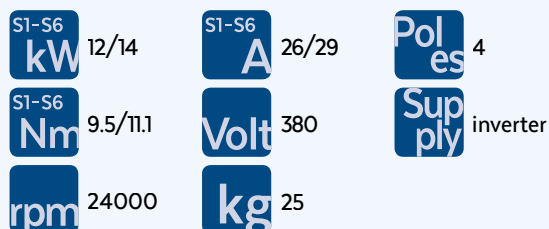
PRESTAZIONI / PERFORMANCES



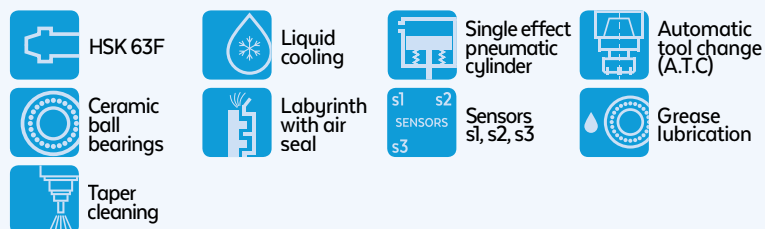
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

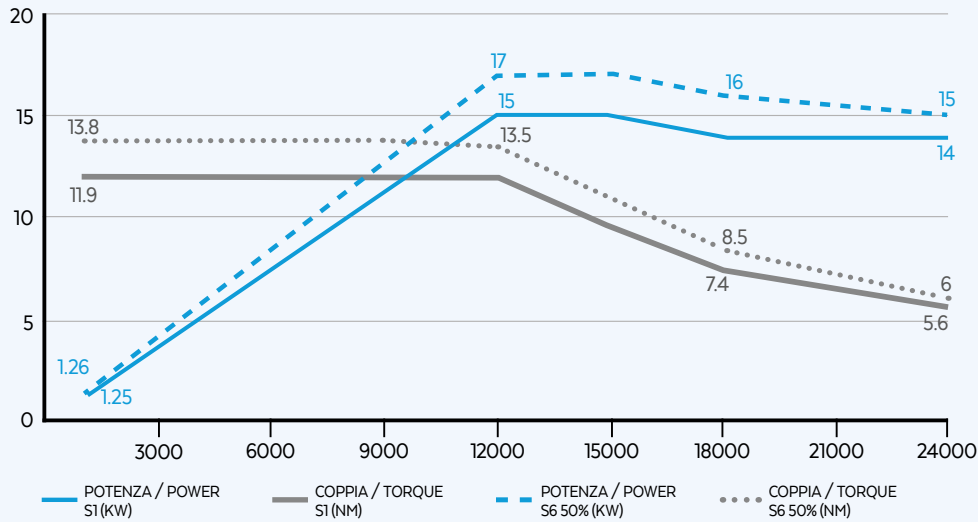


EQUIPAGGIAMENTO / EQUIPMENT



PX/HX-2 15/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Long nose
- Air tool
- Sensor s5
- Oil mist/ MQL
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E/63A

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

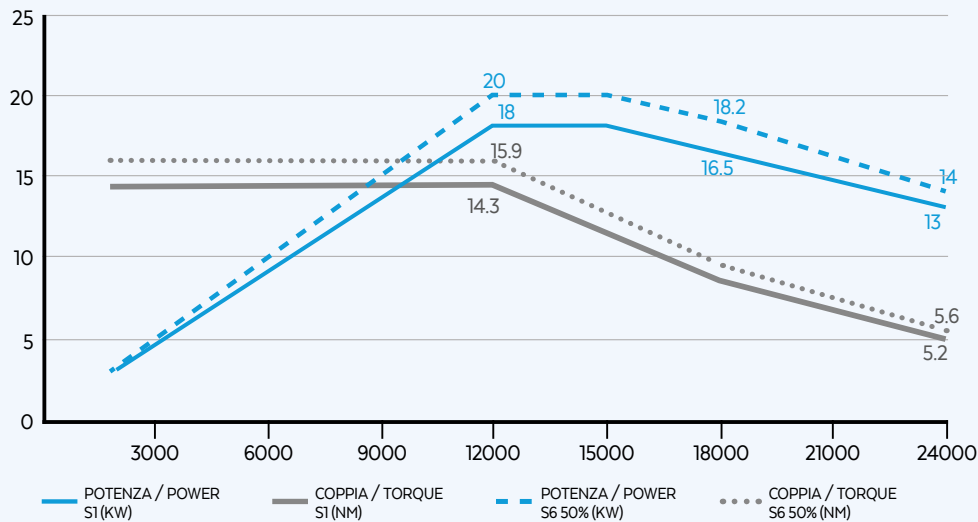
- S1-S6 kW 15/17
- S1-S6 Nm 11.9/13.8
- rpm 24000
- S1-S6 A 30/33
- Volt 380
- kg 25
- Pol es 4
- Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Single effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

PX/HX-2 18/12 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Long nose
- Air tool
- Sensor s5
- Oil mist/ MQL
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E/63A

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

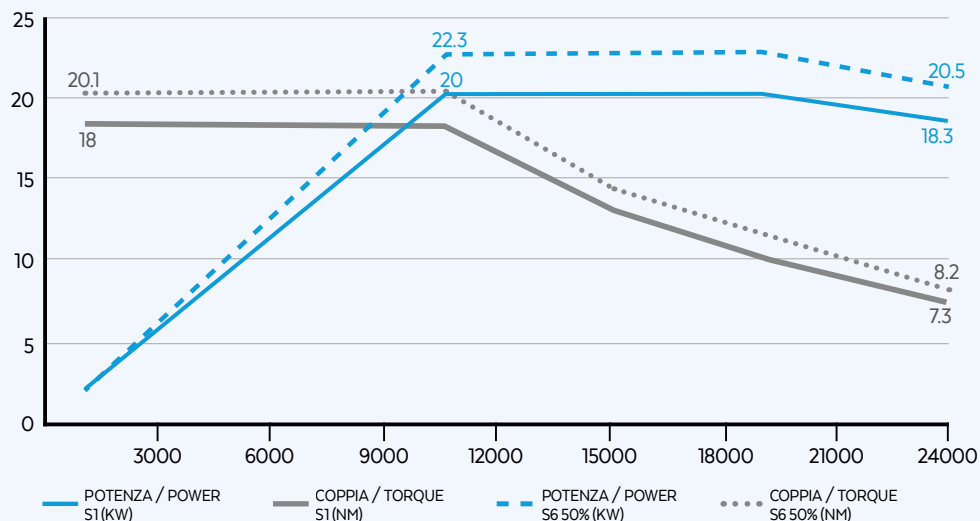
- S1-S6 kW 18/20
- S1-S6 Nm 14.3/15.9
- rpm 24000
- S1-S6 A 35/38.5
- Volt 380
- kg 25
- Pol es 4
- Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

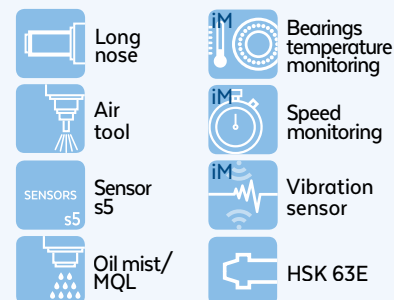
- HSK 63F
- Ceramic ball bearings
- Taper cleaning
- Liquid cooling
- Labyrinth with air seal
- Single effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

PX/HX-2 20/10 24 (SYNCHRONOUS)

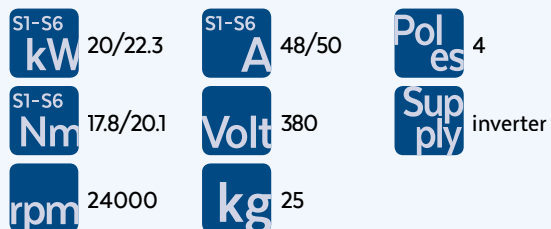
PRESTAZIONI / PERFORMANCES



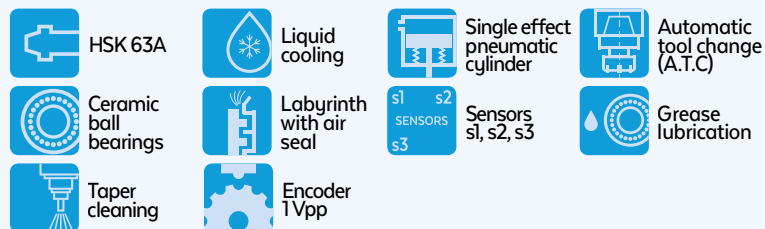
OPZIONALI / OPTIONS



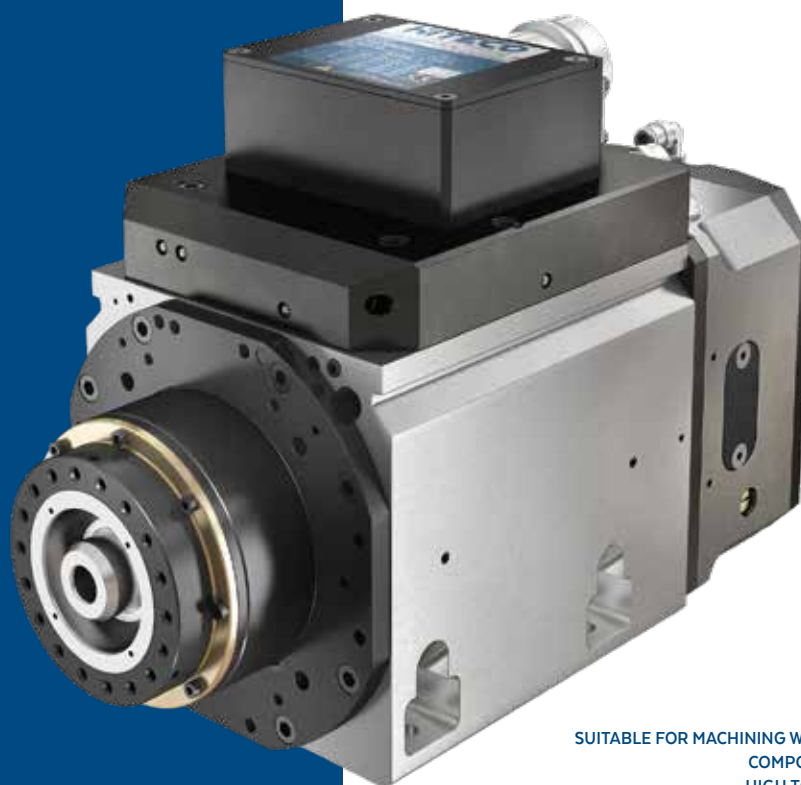
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS



EQUIPAGGIAMENTO / EQUIPMENT

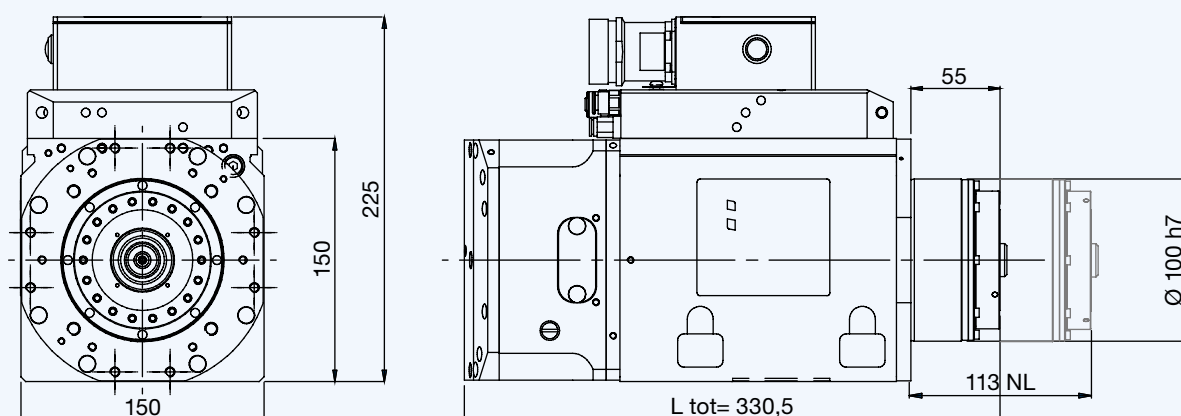


ROBOTECH HX 3C



SUITABLE FOR MACHINING WOOD, PLASTICS, ALUMINUM AND COMPOSITES POWER UP TO 20 KW AND HIGH TORQUES FOR HEAVY MACHINING
OPTIMAL DESIGN FOR 3-AXIS MACHINES CONNECTION TO THE MACHINE WITH COMMERCIAL CONNECTORS AVAILA WITH ENCODER ON BOARD, LONG NOSE WITH 23 FRONT BEARINGS, AIR TOOL, MQL AND OIL MIST

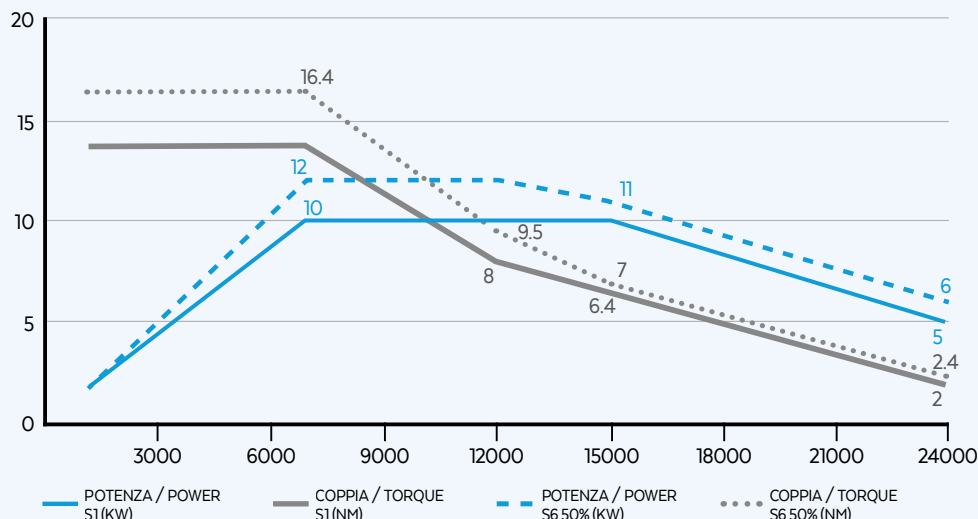
LAYOUT HSK 63F 3C



HX-2 10/7 24 3C

HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector cc machine side
- Long nose
- Air tool
- Sensor s5
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E/63A
- Oil mist/MQL

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

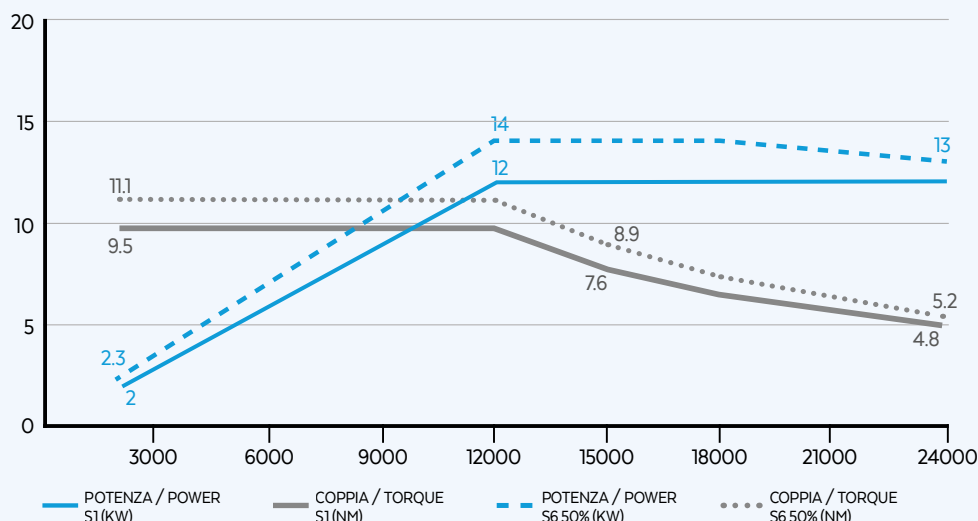
S1-S6 kW 10/12	S1-S6 A 21/25	Pol es 4
S1-S6 Nm 13.6/16.4	Volt 380	Sup ply inverter
rpm 24000	kg 25	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Circular connector cc spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C.)
- Sensors s1, s2, s3
- Grease lubrication

HX-2 12/12 24 3C

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector cc machine side
- Long nose
- Air tool
- Sensor s5
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E/63A
- Oil mist/MQL

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

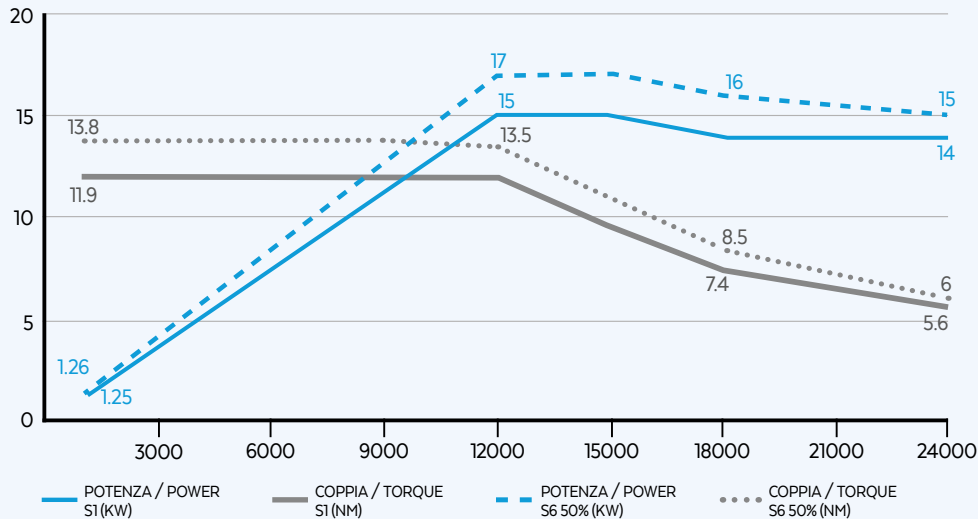
S1-S6 kW 12/14	S1-S6 A 26/29	Pol es 4
S1-S6 Nm 9.5/11.1	Volt 380	Sup ply inverter
rpm 24000	kg 25	

EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Circular connector cc spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C.)
- Sensors s1, s2, s3
- Grease lubrication

HX-2 15/12 24 3C

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector cc machine side
- Long nose
- Air tool
- Sensor s5
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E/63A
- Oil mist/MQL

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 15/17
- S1-S6 Nm 11.9/13.8
- rpm 24000
- S1-S6 A 30/33
- Volt 380
- kg 25
- Pol es 4
- Sup ply inverter

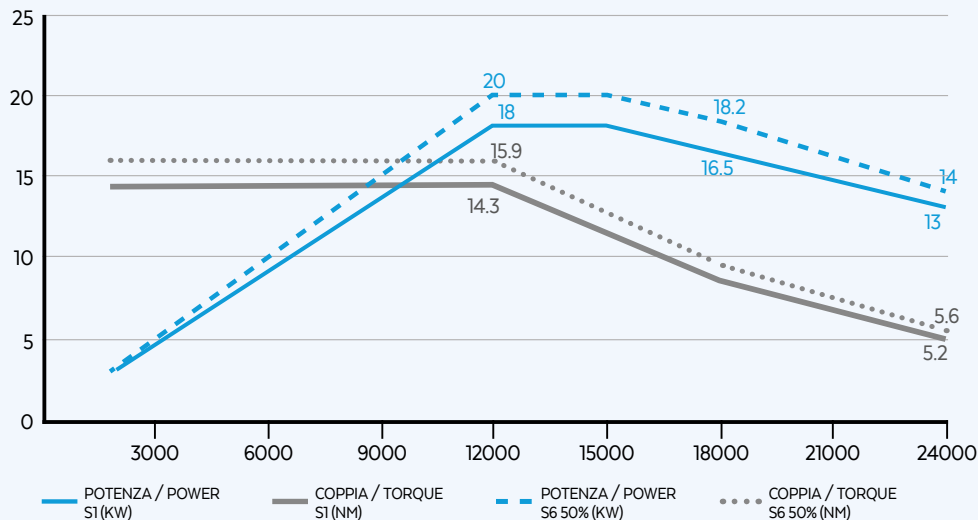
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Circular connector cc spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning

- Single effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

HX-2 18/12 24 3C

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Circular connector cc machine side
- Long nose
- Air tool
- Sensor s5
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E/63A
- Oil mist/MQL

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- S1-S6 kW 18/20
- S1-S6 Nm 14.3/15.9
- rpm 24000
- S1-S6 A 35/38.5
- Volt 380
- kg 25
- Pol es 4
- Sup ply inverter

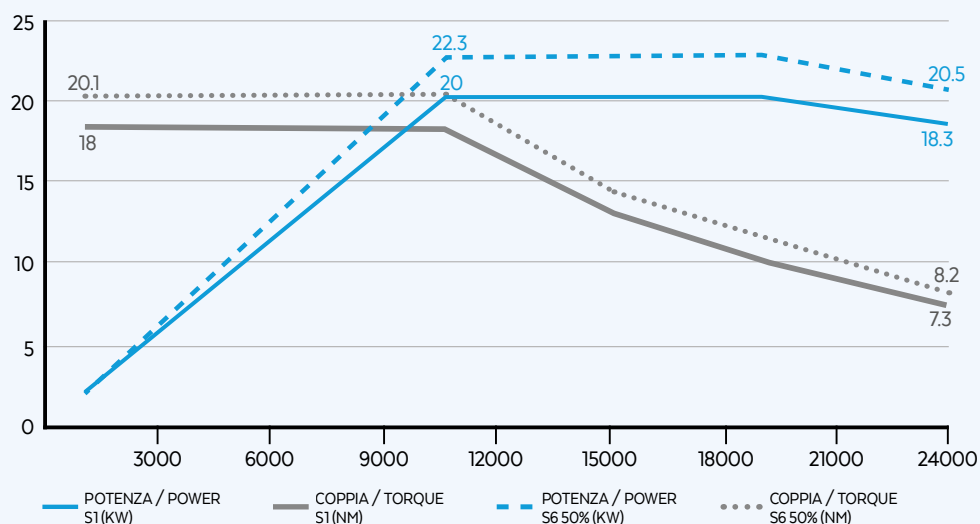
EQUIPAGGIAMENTO / EQUIPMENT

- HSK 63F
- Ceramic ball bearings
- Circular connector cc spindle side
- Liquid cooling
- Labyrinth with air seal
- Taper cleaning

- Single effect pneumatic cylinder
- Sensors s1, s2, s3
- Automatic tool change (A.T.C)
- Grease lubrication

HX-2 20/10 24 3C (SYNCHRONOUS)

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Long nose
- Air tool
- Sensor s5
- Oil mist/MQL
- Circular connector cc machine side
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- HSK 63E

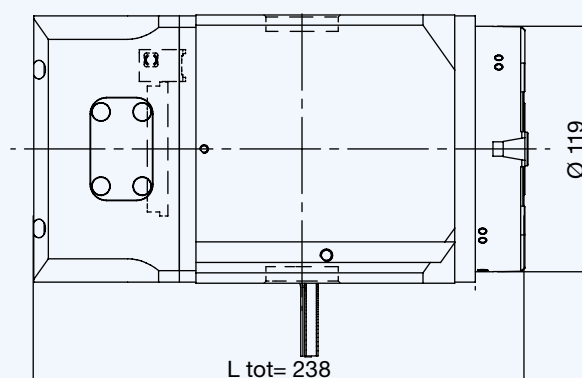
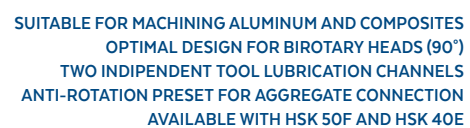
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 20/22.3	S1-S6 A 48/50	Pol es 4
S1-S6 Nm 17.8/20.1	Volt 380	Supply inverter
rpm 24000	kg 25	

EQUIPAGGIAMENTO / EQUIPMENT

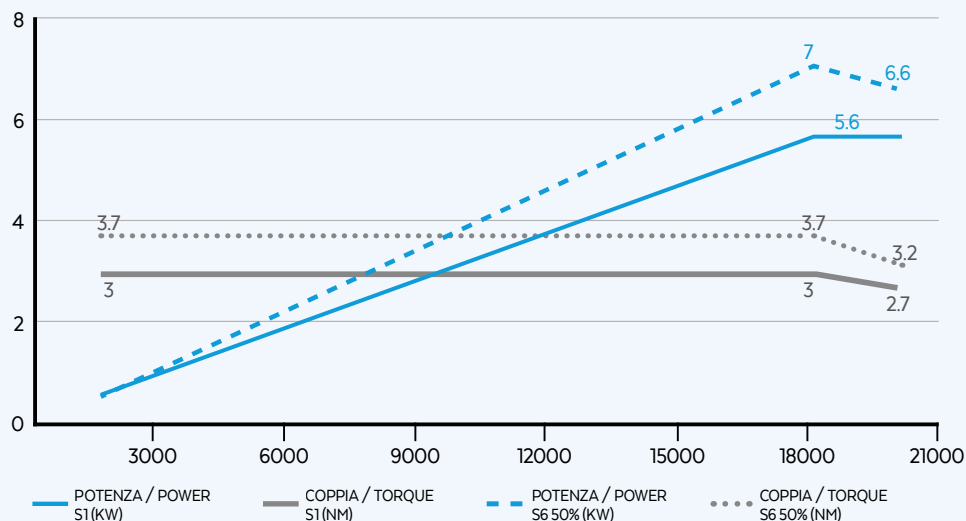
- HSK 63A
- Liquid cooling
- Single effect pneumatic cylinder
- Automatic tool change (A.T.C.)
- Ceramic ball bearings
- Labyrinth with air seal
- Sensors s1, s2, s3
- Grease lubrication
- Circular connector cc spindle side
- Taper cleaning
- Encoder 1 Vpp





HD-2 5.6/18 20

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

-  Encoder 1Vpp or TTL
-  Sensor s5
-  HSK 40E

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

-  S1-S6 kW 5.6/7
-  S1-S6 A 12/14
-  Poles 4
-  Supply inverter
-  S1-S6 Nm 3/3.7
-  Volt 380
-  rpm 20000
-  kg 18

EQUIPAGGIAMENTO / EQUIPMENT

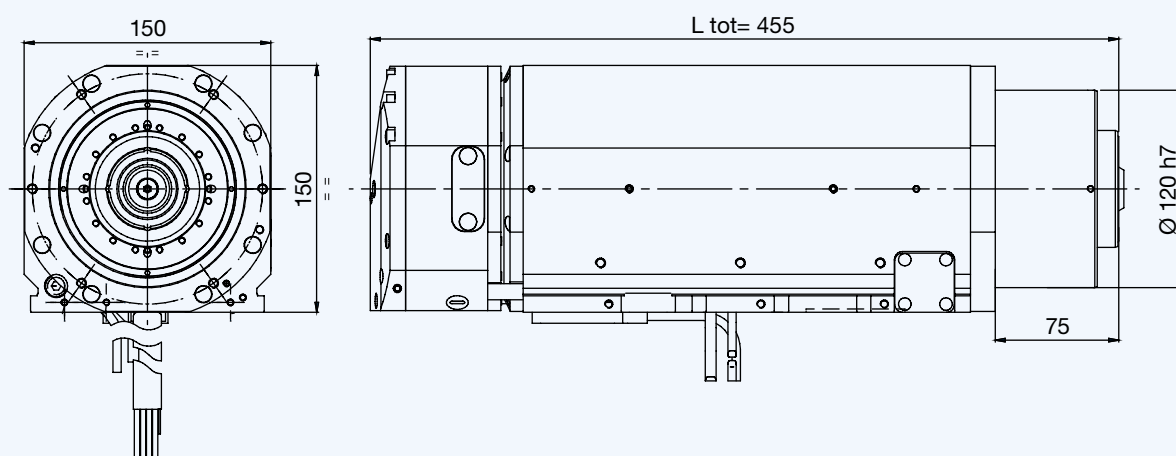
-  HSK 50F
-  Liquid cooling
-  Single effect pneumatic cylinder
-  Automatic tool change (A.T.C.)
-  Ceramic ball bearings
-  Labyrinth with air seal
-  Sensors s1, s2, s3
-  Grease lubrication
-  Taper cleaning

ROBOTECH QT



SUITABLE FOR MACHINING WOODEN BEAMS
POWER UP TO 25 KW AND HIGH TORQUES FOR HEAVY MACHINING
OPTIMAL DESIGN FOR 90° BIROTARY HEADS (50° AND 90°)
AVAILABLE WITH HSK 63E

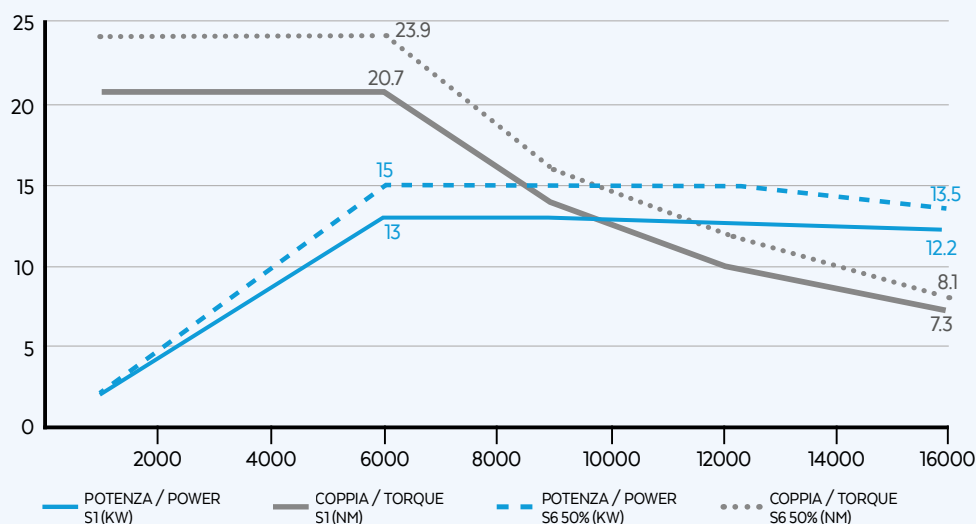
LAYOUT HSK 63E



QT-2 13/6 16

LIQUID HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

Encoder
1Vpp or TTLplate and pp cable
connection

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW

13/15

S1-S6
A

30/35

Pol
es

4

S1-S6
Nm

20.7/23.9

Volt

400

Sup
ply

inverter

rpm

16000

kg

36

EQUIPAGGIAMENTO / EQUIPMENT



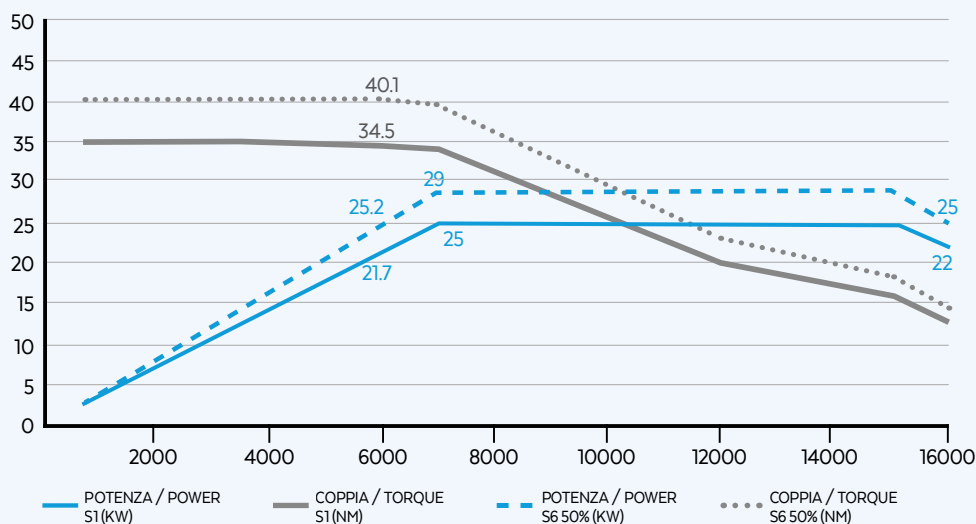
HSK 63E

Ceramic
ball
bearingsTaper
cleaningLiquid
coolingLabyrinth
with air
sealSingle effect
pneumatic
cylinderSensors
S1,S2,S3,S5Automatic
tool change
(A.T.C.)Grease
lubrication

QT-2 25/7 16 (SYNCHRONOUS)

LIQUID HIGH TORQUE

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

plate and pp cable
connection

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW

25/29

S1-S6
A

47/56

Pol
es

4

S1-S6
Nm

34.5/40.1

Volt

400

Sup
ply

inverter

rpm

16000

kg

36

EQUIPAGGIAMENTO / EQUIPMENT



HSK 63E

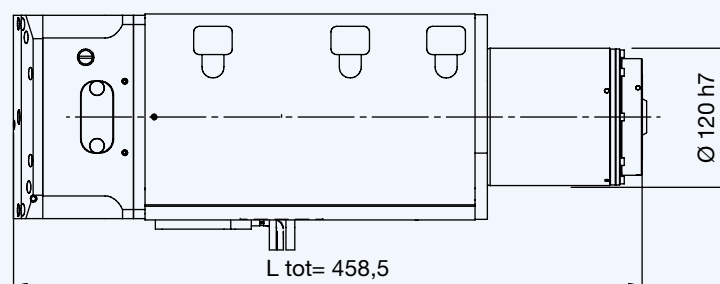
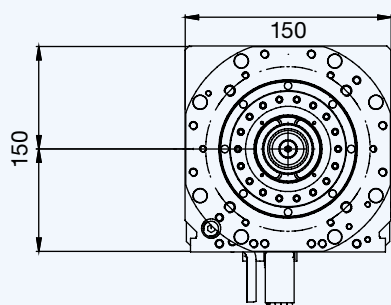
Ceramic
ball
bearingsTaper
cleaningLiquid
coolingLabyrinth
with air
sealEncoder
1Vpp or TTLSingle effect
pneumatic
cylinderSensors
S1,S2,S3,S5Automatic
tool change
(A.T.C.)Grease
lubrication

ROBOTECH HT

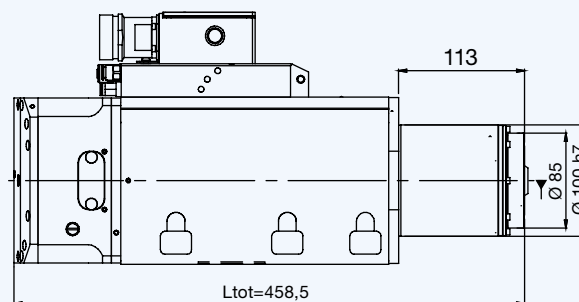
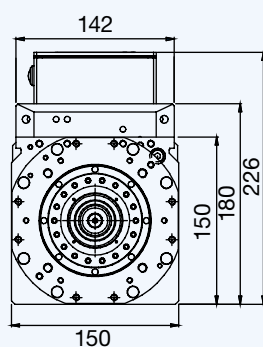
SUITABLE FOR MACHINING WOOD AND ALUMINUM
POWER UP TO 25 KW AND HIGH TORQUES FOR HEAVY MACHINING
OPTIMAL DESIGN FOR 3 AND 5-AXIS MACHINES
AVAILABLE WITH ENCODER ON BOARD, LONG NOSE WITH
3 FRONT BEARINGS, AIR TOOL, MQL AND OIL MIST
AVAILABLE WITH HSK 63E



LAYOUT HSK 63E

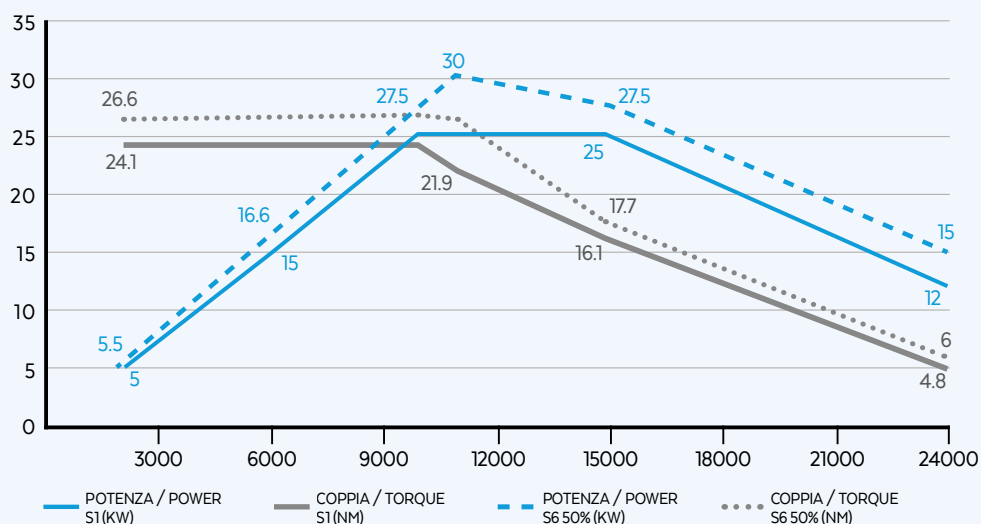


LAYOUT HSK 63E 3C



HT-2 25/10 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- Encoder 1Vpp or TTL
- Sensor s5
- Oil mist/MQL
- Circular connector cc machine side
- HSK 63A
- Bearings temperature monitoring
- Speed monitoring
- Vibration sensor
- Air tool

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 25/30	S1-S6 A 53/60	Pol es 4
S1-S6 Nm 24.2/26.6	Volt 380	Supply inverter
rpm 24000	kg 42	

EQUIPAGGIAMENTO / EQUIPMENT

HSK 63E	Liquid cooling	Single effect pneumatic cylinder	Automatic tool change (A.T.C.)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2, s3	Grease lubrication
Circular connector cc spindle side	Taper cleaning		

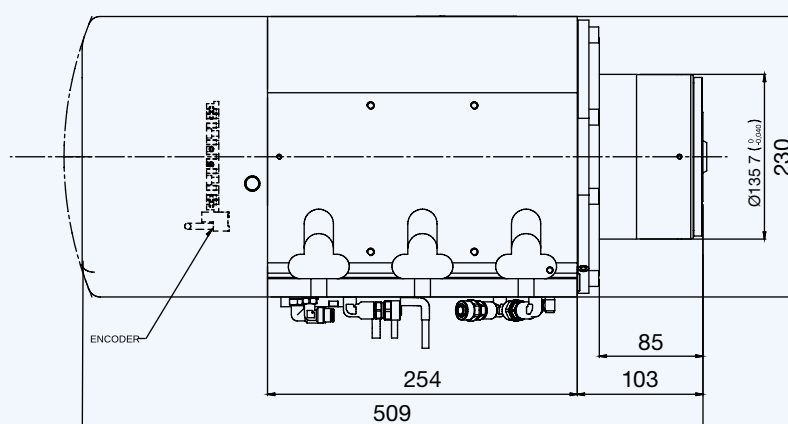
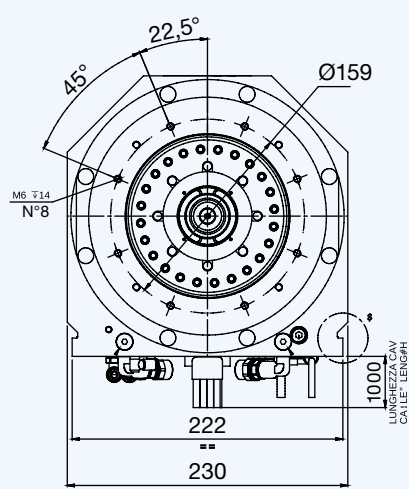


ROBOTECH QM

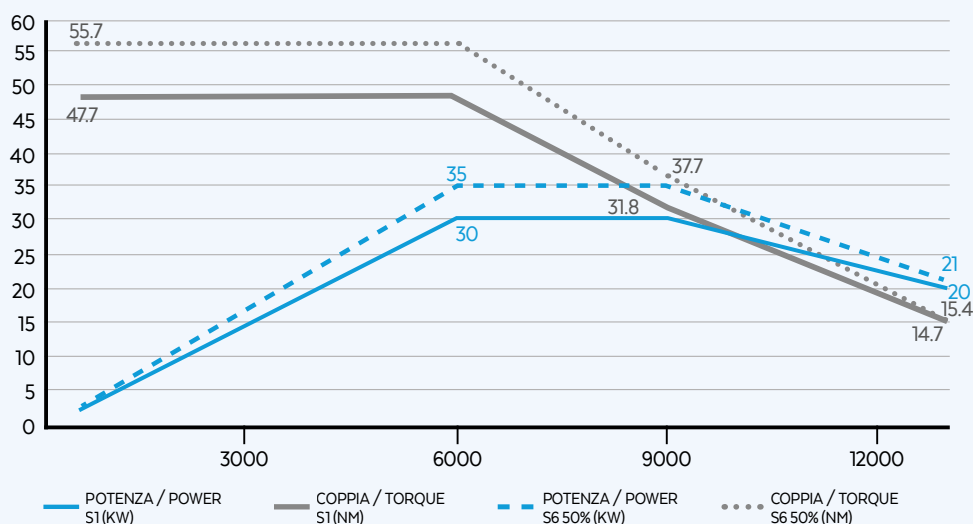


SUITABLE FOR INTENSE MACHINING OF WOOD, ALUMINUM AND LIGHT ALLOY
POWER UP TO 30 KW AND HIGH TORQUES
AVAILABLE WITH ENCODER ON BOARD, AIR TOOL, MQL AND OIL MIST
AVAILABLE WITH HSK80F, HSK85S AND HSK63A

LAYOUT HSK 63A



PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- | | |
|--------------|---------------------------------|
| Air tool | Bearings temperature monitoring |
| Sensor s5 | Speed monitoring |
| Oil mist/MQL | Vibration sensor |
| HSK 80F | HSK 85S |

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

- | | | |
|-----------|-------|----------|
| 30/35 | 59/65 | 4 |
| 47.7/55.7 | 380 | inverter |
| 13000 | 75 | |

EQUIPAGGIAMENTO / EQUIPMENT

- | | | |
|-----------------------|-------------------------|----------------------------------|
| HSK 63A | Liquid cooling | Single effect pneumatic cylinder |
| Ceramic ball bearings | Labyrinth with air seal | Sensors s1, s2, s3 |
| Taper cleaning | Encoder 1 Vpp | Automatic tool change (A.T.C) |
| | | Grease lubrication |

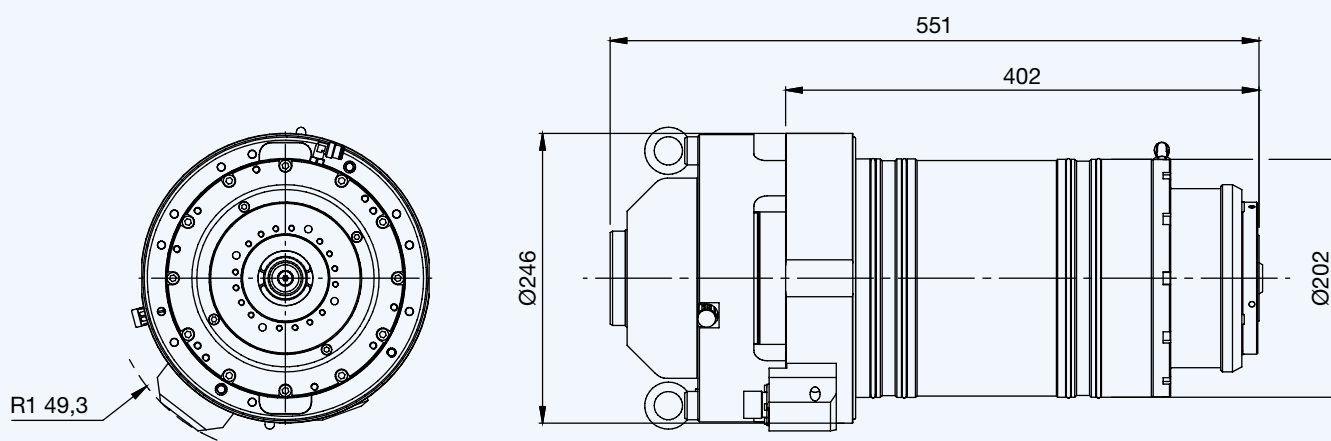


CUSTOMTECH KX



SUITABLE FOR MACHINING METAL, ALUMINUM AND LIGHT ALLOY
POWER UP TO 32 KW AND HIGH TORQUES UP TO 100 NM
FRONT BEARING COOLING CIRCUIT
AVAILABLE WITH ENCODER ON BOARD, AIR TOOL, MQL, OIL MIST AND CTS
SYNCHRONOUS SPINDLES WITH HSK 63A AND ENCODER ON BOARD

LAYOUT HSK 63A

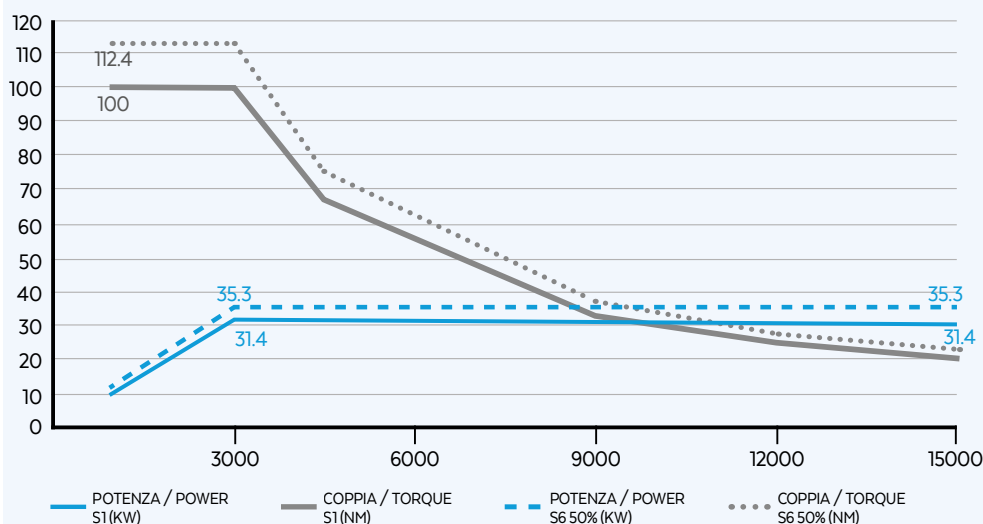


ALTRI LAYOUT / OTHER LAYOUTS

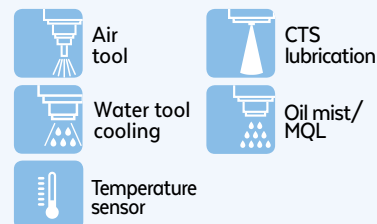
	ΔL	L tot
NL*	+58 mm	515 mm

KX-2 31/3 15 (SYNCHRONOUS)

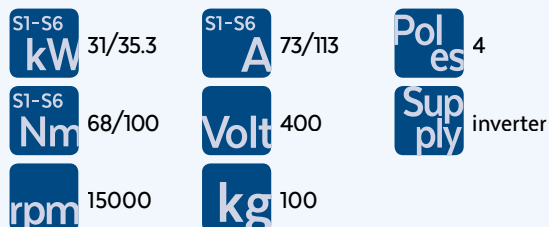
PRESTAZIONI / PERFORMANCES



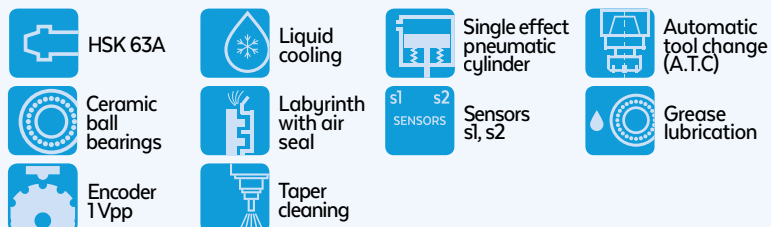
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

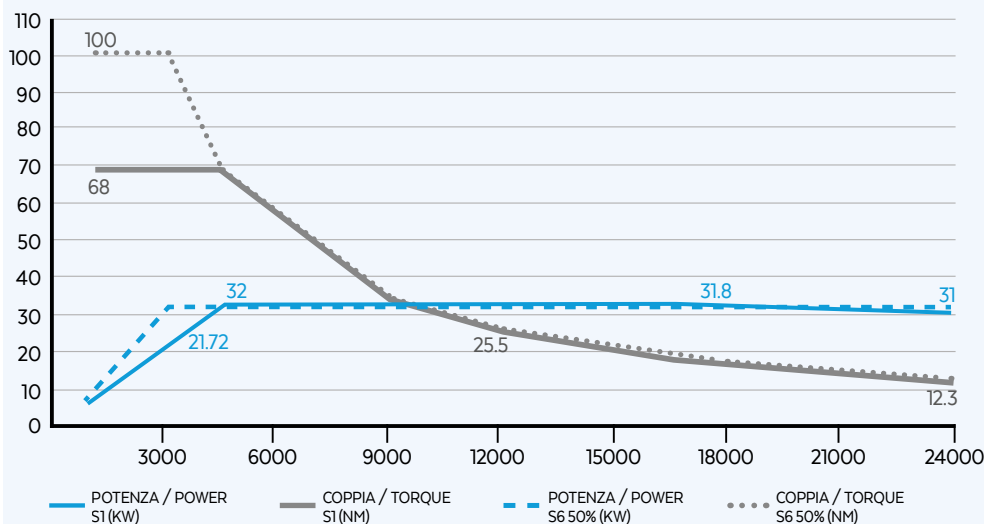


EQUIPAGGIAMENTO / EQUIPMENT

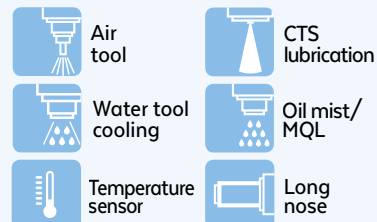


KX-2 32/4.5 24 (SYNCHRONOUS)

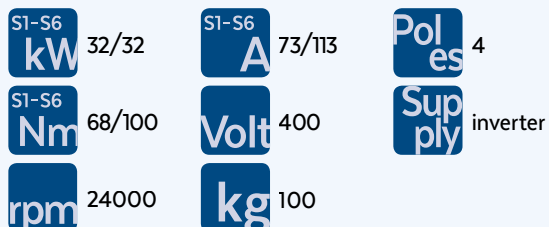
PRESTAZIONI / PERFORMANCES



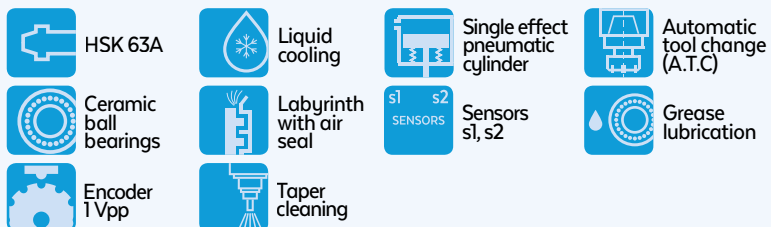
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS



EQUIPAGGIAMENTO / EQUIPMENT

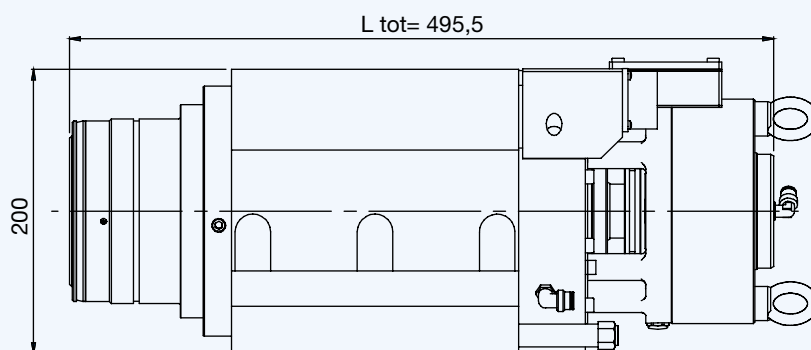
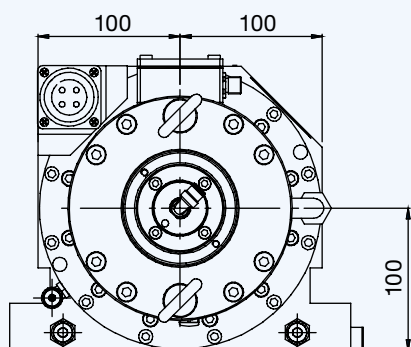


CUSTOMTECH MG



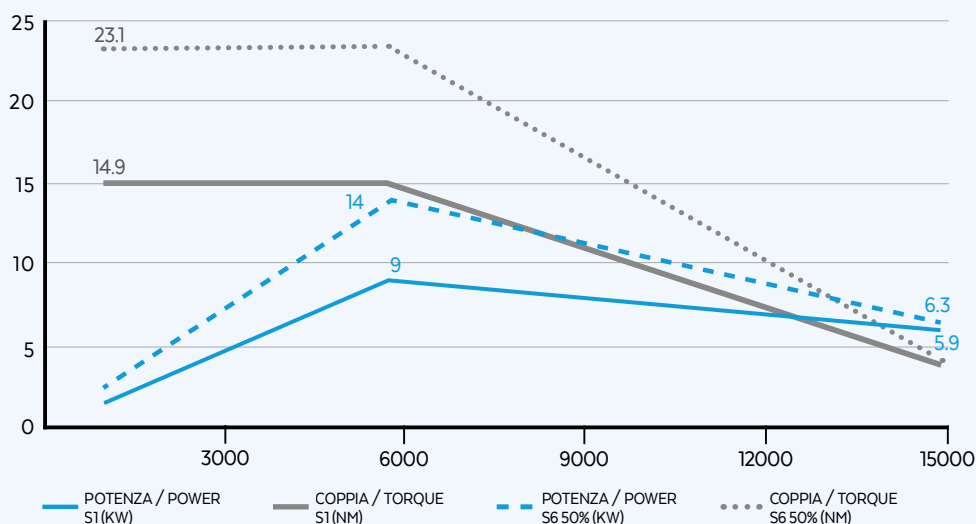
SUITABLE FOR MACHINING GLASS AND MARBLE AND STONE
POWER UP TO 30 KW AND HIGH TORQUES UP TO 39 NM
AVAILABLE WITH CASE AND CTS
ISO 40 TAPER

LAYOUT ISO 40



MG-2 9/6 15

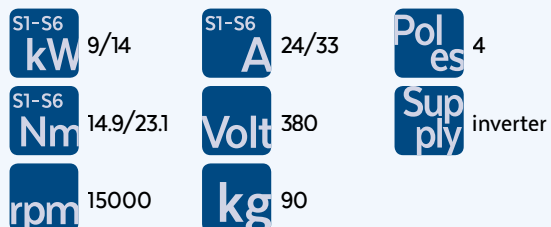
PRESTAZIONI / PERFORMANCES



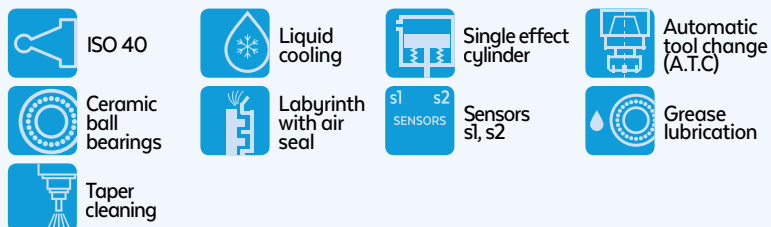
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

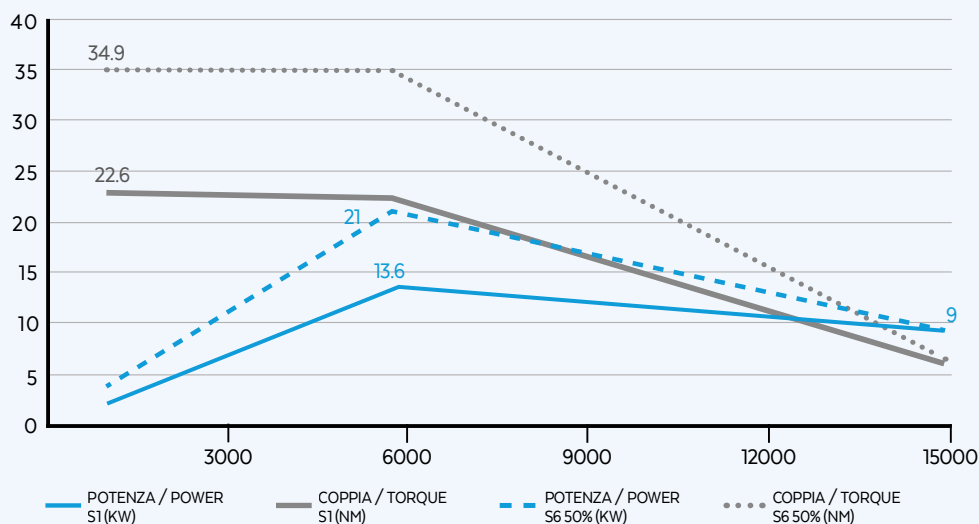


EQUIPAGGIAMENTO / EQUIPMENT

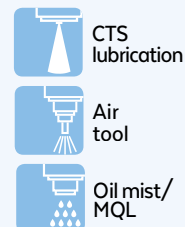


MG-2 13.5/6 15

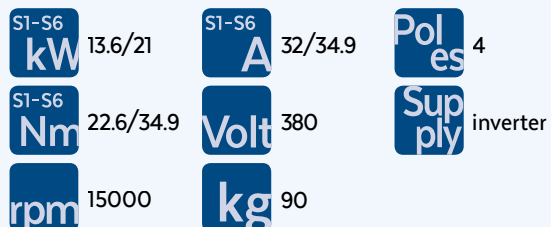
PRESTAZIONI / PERFORMANCES



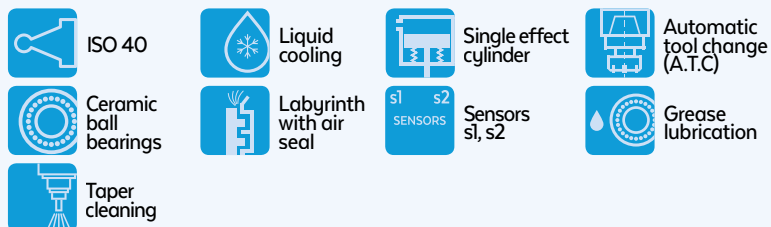
OPZIONALI / OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

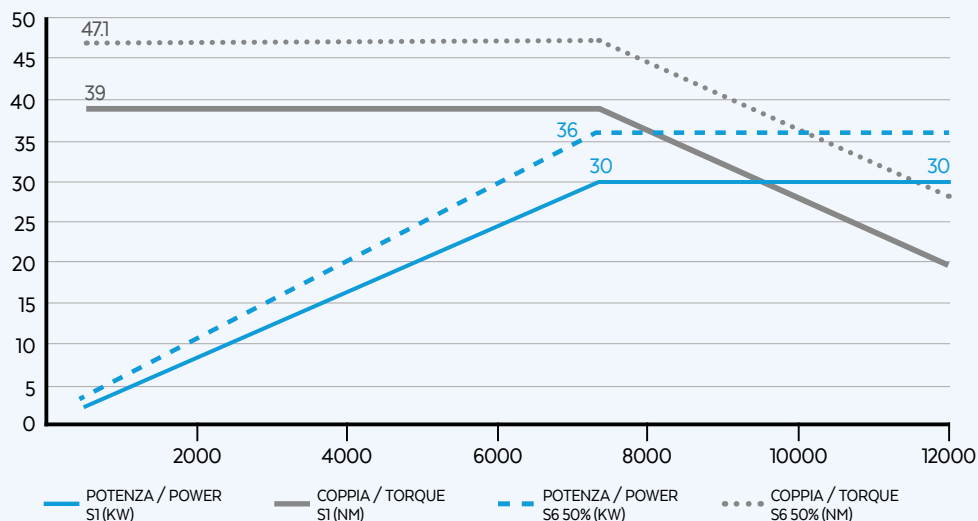


EQUIPAGGIAMENTO / EQUIPMENT



MG 30/7.5 12

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- CTS lubrication
- Air tool
- Water tool cooling

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6 kW 30/36	S1-S6 A 66/78	Pol es 4
S1-S6 Nm 39/47.1	Volt 380	Sup ply inverter
rpm 12000	kg 73	

EQUIPAGGIAMENTO / EQUIPMENT

ISO 40	Liquid cooling	Single effect cylinder	Automatic tool change (A.T.C)
Ceramic ball bearings	Labyrinth with air seal	Sensors s1, s2	Grease lubrication
Taper cleaning			



HITECO
HIGH TECHNOLOGY COMPONENTS
QD-1F 4/12 24 ISO NCCB BT
29L0147393C

ISO 30
24000 RPM MAX
18 kg IP 50
220V-380V

4 kW

Air Cooling
Poles: 4
Ins. Cl. F
TA: 20° C
Cosφ: 0.70

	500	800	400	800
220V Δ	220 Δ	220 Δ	380 Δ	380 Δ
I _A	39	12	11	7
I _N	4	3	4	3
I _{max}	39	12	11	7
I _{peak}	45	15	14	9
I _{stop}	45	15	14	9

CE
IEC 60034-1

Model: 29L0147393C
Version: 1.1 - 4/2024

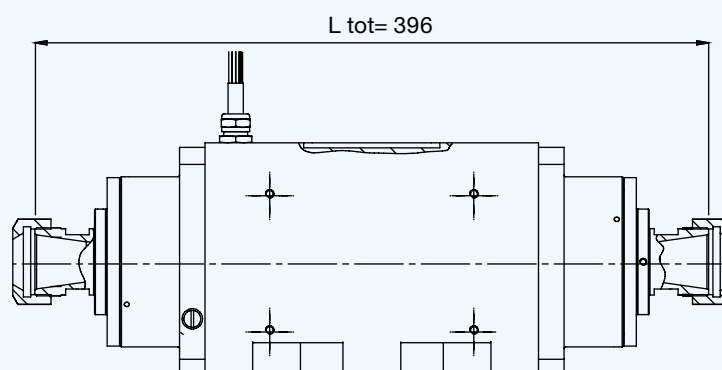
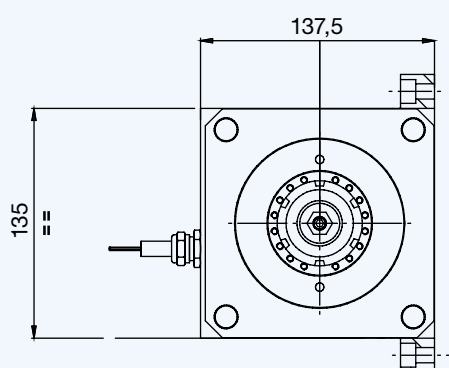
MULTITECH MA



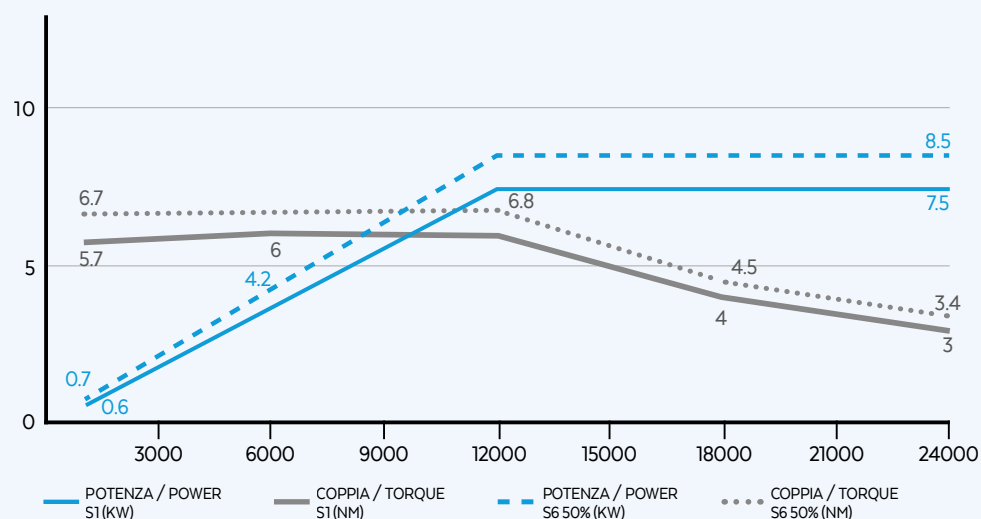
SUITABLE FOR MACHINING LATEST MATERIALS IN DUST ENVIRONMENTS
EASY ASSEMBLING ON BIROTARY HEADS
VERY EFFICIENT COMPRESSED AIR COOLING
AVAILABLE WITH ER 32

LAYOUT ER32 DX-SX

2 ENDS



PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / 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

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings

COM-PRESSED AIR Compressed air cooling

Manual tool change (M.T.C)

Grease lubrication

ER 32DX/SX

Labyrinth with air seal



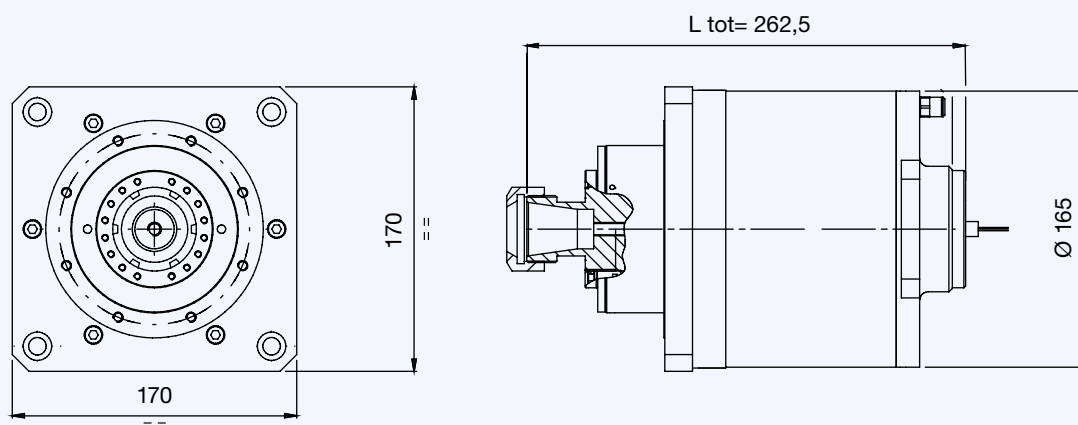
MULTITECH ML

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 ER32

1 END



ML-1C 7.5/12 24

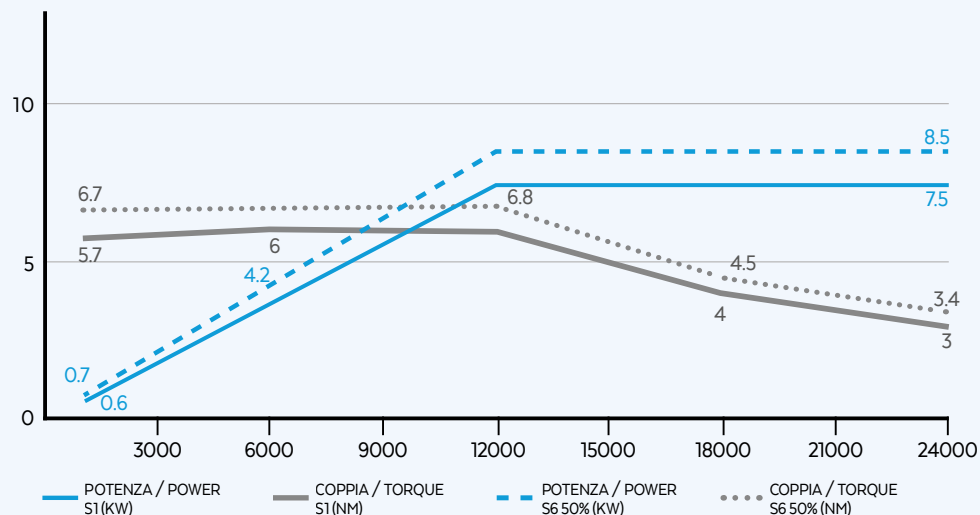
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PRESTAZIONI / PERFORMANCES

OPZIONALI / OPTIONS



ER 40 DX



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 7.5/8.5
Nm 6/6.8
rpm 24000

S1-S6
A 16/17
Volt 380
kg 22

Pol es 4
Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings
 ER 32 DX

COM-PRESSED AIR Compressed air cooling
 Labyrinth with air seal

Manual tool change (M.T.C)

Grease lubrication

ML-1C 10/12 24

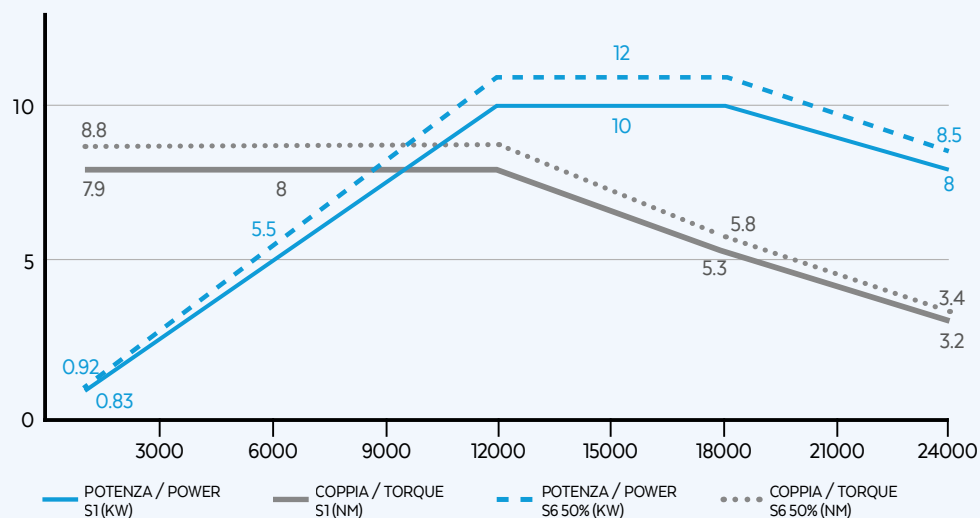
1 END

PRESTAZIONI / PERFORMANCES

OPZIONALI / OPTIONS



ER 40 DX



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 10/10.5
Nm 8/8.8
rpm 24000

S1-S6
A 21.3/22
Volt 380
kg 22

Pol es 4
Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings
 ER 32 DX

COM-PRESSED AIR Compressed air cooling
 Labyrinth with air seal

Manual tool change (M.T.C)

Grease lubrication

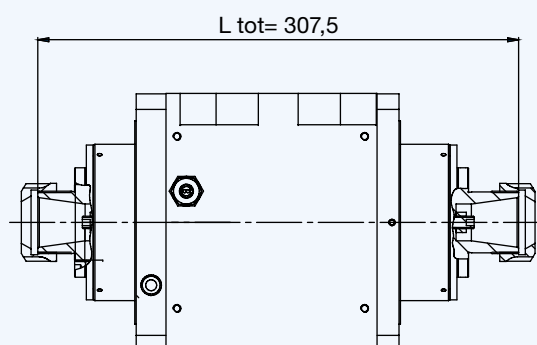
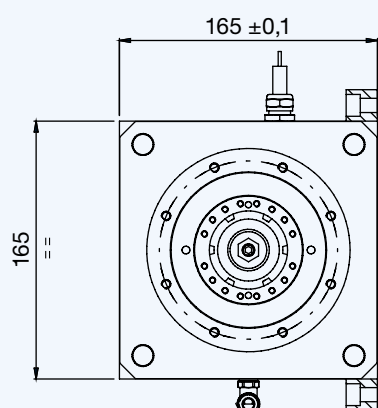
MULTITECH ML

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-1C 7.5/12 24

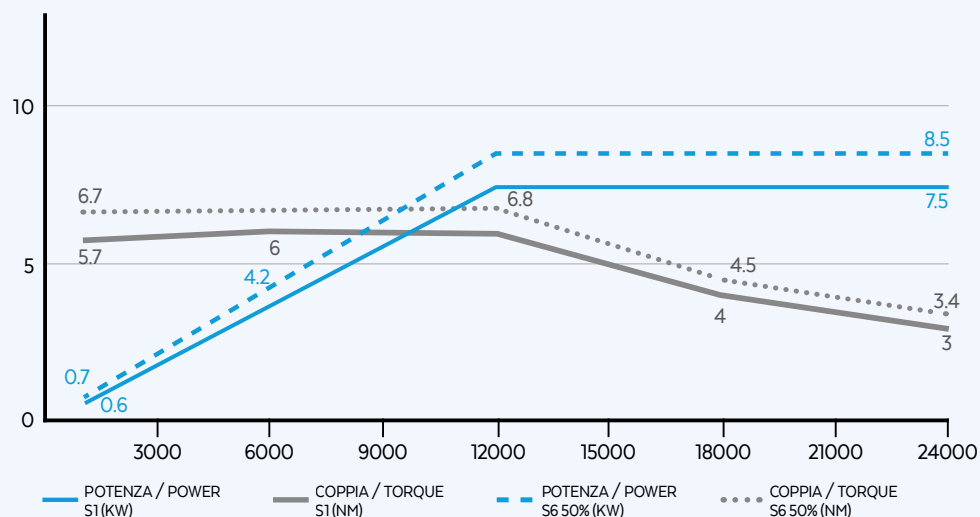
2 ENDS

PRESTAZIONI / PERFORMANCES

OPZIONALI / OPTIONS



ER 40 DX-SX



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 7.5/8.5
Nm 6/6.8
rpm 24000

S1-S6
A 16/17
Volt 380
kg 22

Pol es 4
Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings
 ER 32 DX-SX

COM-PRESSED AIR Compressed air cooling
 Labyrinth with air seal

Manual tool change (M.T.C)

Grease lubrication

ML-1C 10/12 24

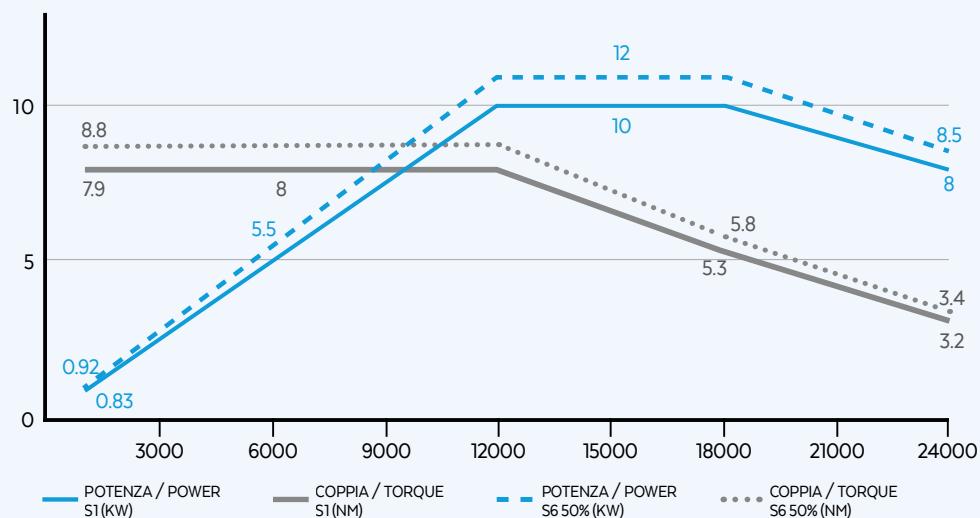
2 ENDS

PRESTAZIONI / PERFORMANCES

OPZIONALI / OPTIONS



ER 40 DX-SX



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 10/10.5
Nm 8/8.8
rpm 24000

S1-S6
A 21.3/22
Volt 380
kg 22

Pol es 4
Sup ply inverter

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings
 ER 32 DX-SX

COM-PRESSED AIR Compressed air cooling
 Labyrinth with air seal

Manual tool change (M.T.C)

Grease lubrication

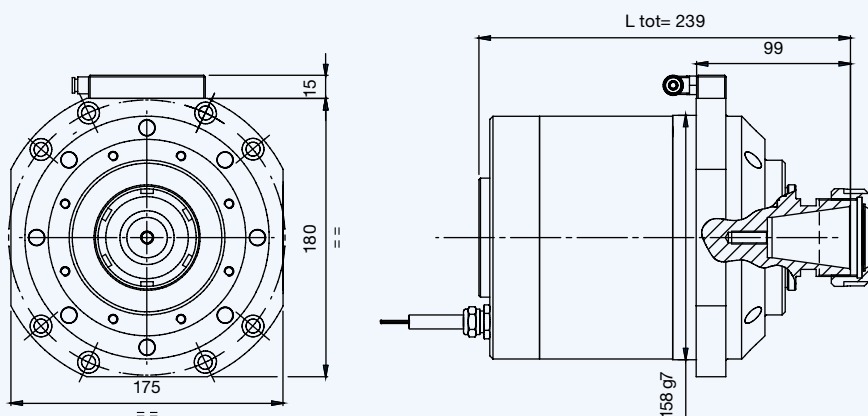
MULTITECH ML

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

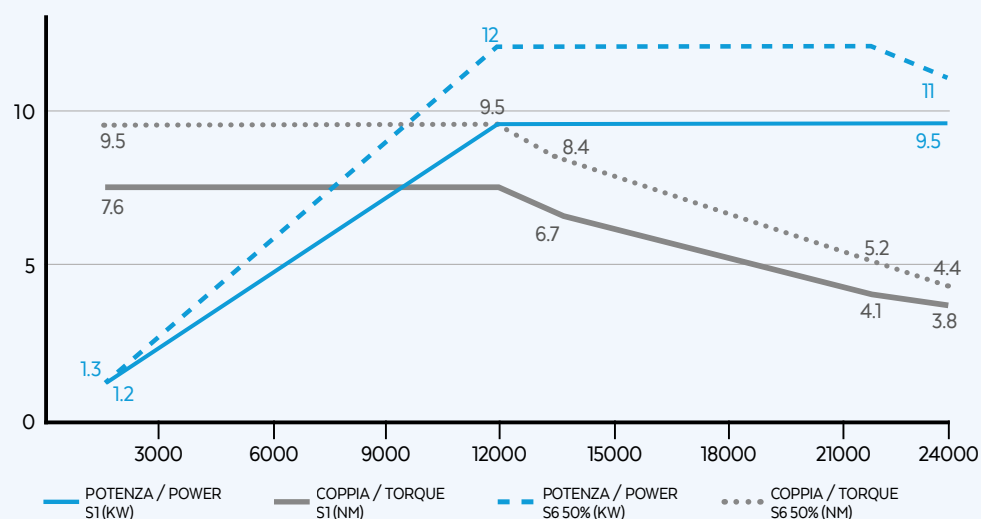


LAYOUT ER 40DX

1 END



PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 9.5/12
Nm 7.6/9.5
rpm 24000

S1-S6
A 22/27
Volt 380
kg 26

Pol es 4
Supply inverter

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings
 ER 40DX

Liquid cooling
 Labyrinth with air seal

Manual tool change (M.T.C)

Grease lubrication



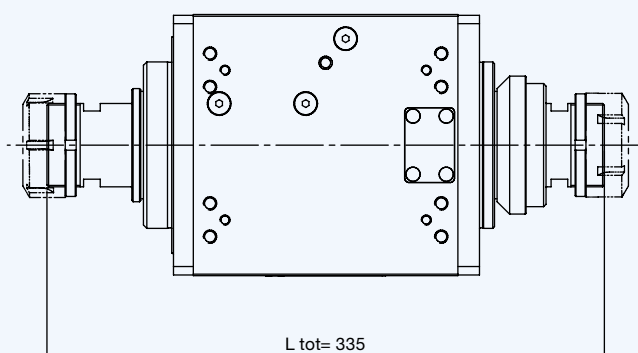
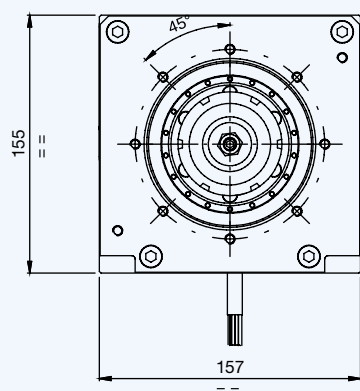
MULTITECH ML

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

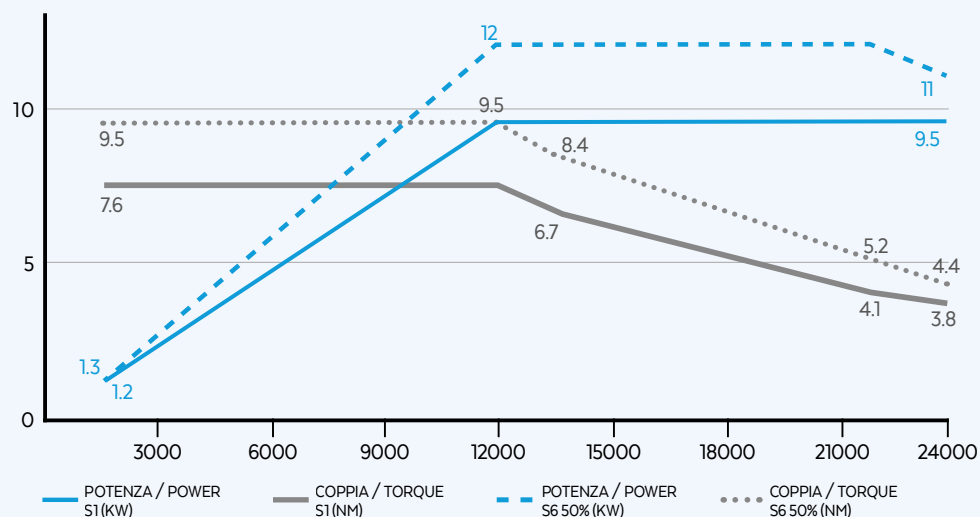


LAYOUT ER 40 DX-SX

2 ENDS



PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 9.5/12
Nm 7.6/9.5
rpm 24000

S1-S6
A 22/27
Volt 380
kg 26

Pol es 4
Supply inverter

EQUIPAGGIAMENTO / EQUIPMENT

Ceramic ball bearings
 ER 40 DX-SX

Liquid cooling
 Labyrinth with air seal

Manual tool change (M.T.C)

Grease lubrication

UNITÀ INDIPENDENTE
RICAMBIATO TERZI

ANDRINO CON SOLUZIONI MOORE ARE
MENTO A VENTOLA A
SILI PER LEGNO, PL

FORME ROBOTICHE
LICAZIONI SU M

ANDRINO AD AL

METALLO, LEGH
SAMPRE
CAZIONE



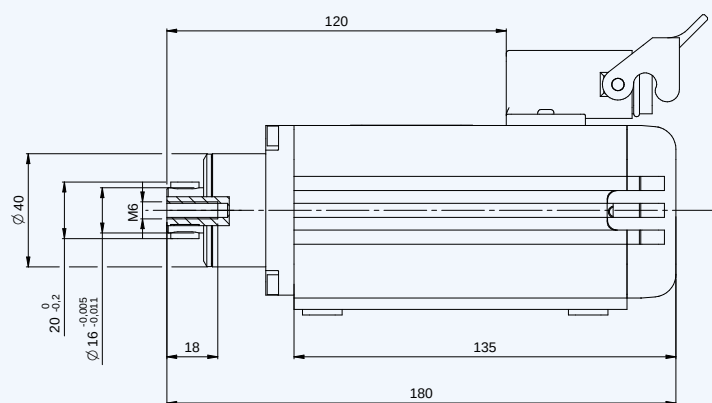
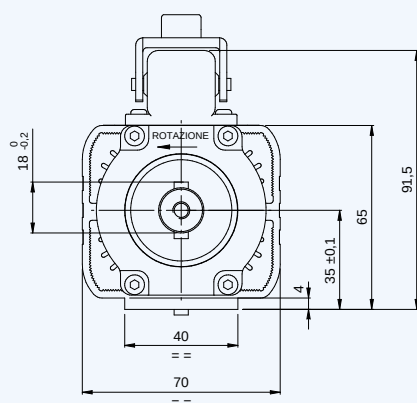
MULTITECH XS



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

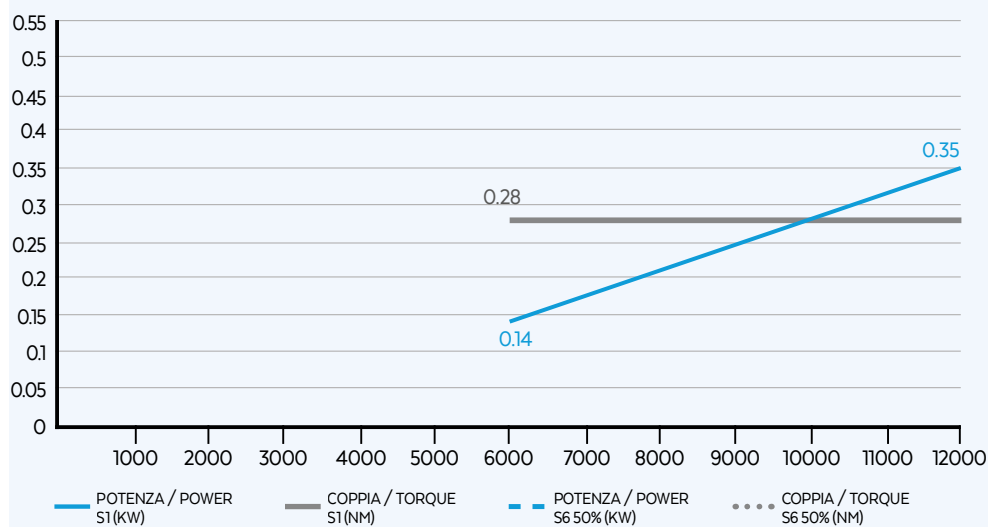


LAYOUT D16 L13 - 0.35 KW



XS-1 0.35/12 12

PRESTAZIONI / PERFORMANCES



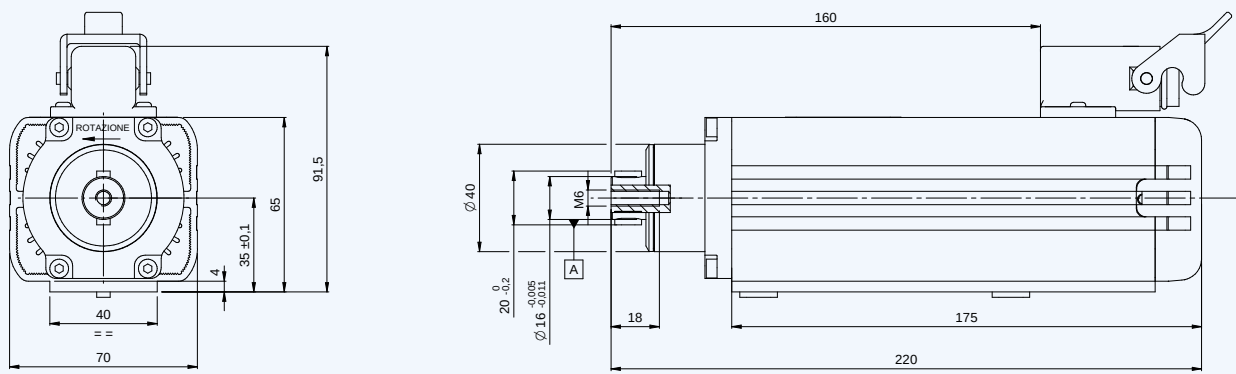
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1 kW	0.35	S1 A	1.8	Pol es	2
S1 Nm	0.28	Volt	220	Sup ply	inverter
rpm	12000	kg	2.7		

EQUIPAGGIAMENTO / EQUIPMENT

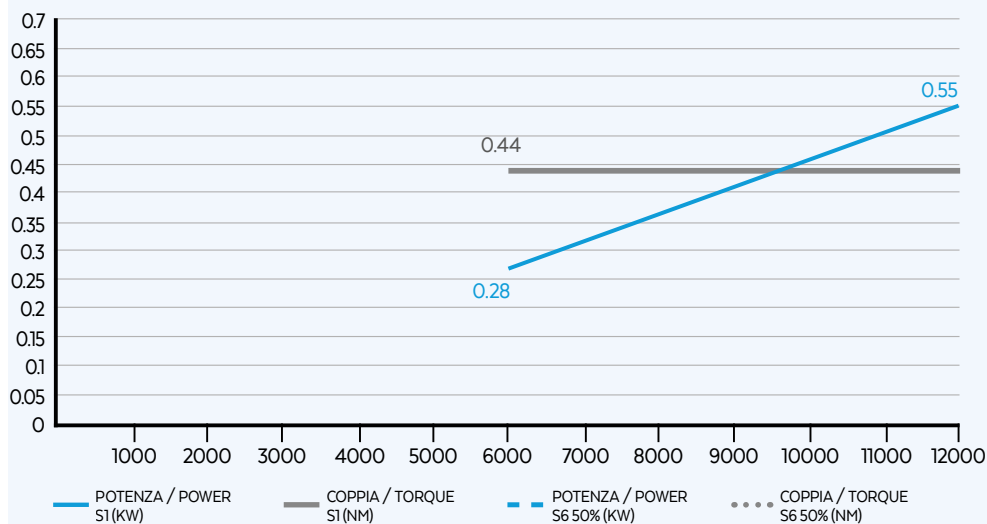
Shaft D16	Air fan shaft	Manual tool change (M.T.C)
Steel bearings	Grease lubrication	

LAYOUT D16 L13 - 0.55 KW



XS-1 0.55/12 12

PRESTAZIONI / PERFORMANCES



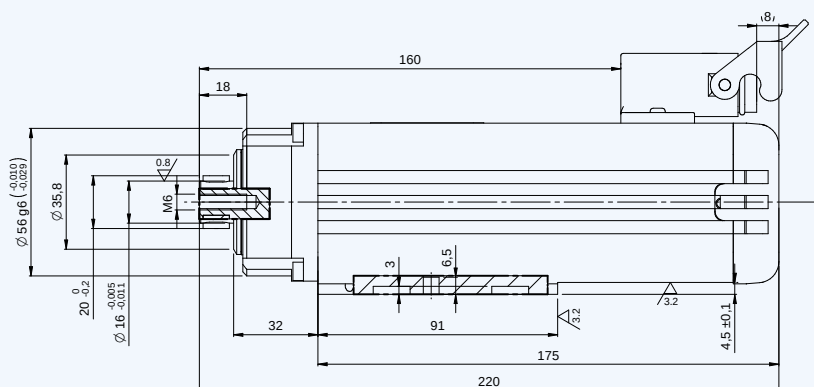
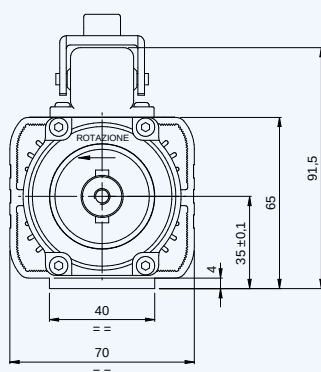
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1 kW 0.55	S1 A 2.7	Pol es 2
S1 Nm 0.44	Volt 220	Sup ply inverter
rpm 12000	kg 3.2	

EQUIPAGGIAMENTO / EQUIPMENT

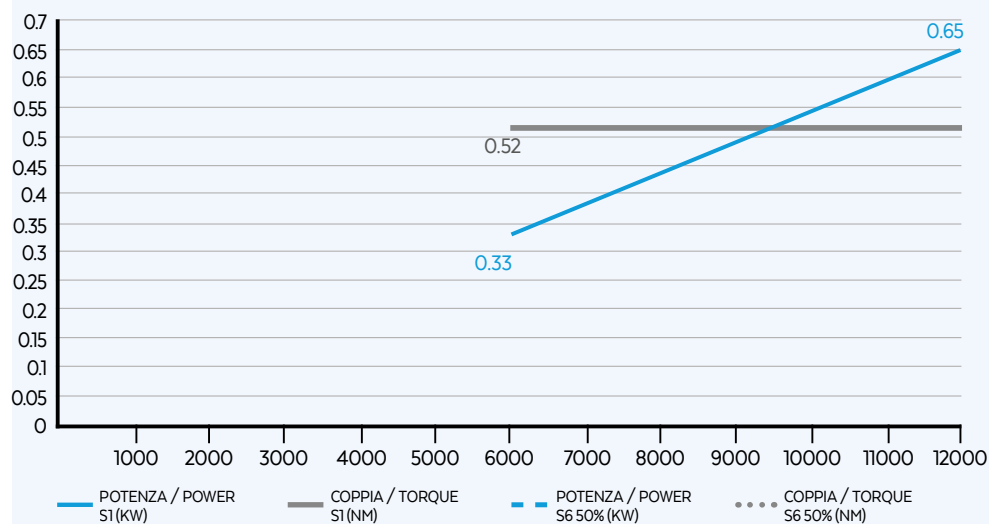
Shaft D16	Air fan shaft	Manual tool change (M.T.C)
Steel bearings	Grease lubrication	

LAYOUT D16 L13 - 0.65 KW



XS-1 0.65/12 12

PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1
kW 0.65

S1
A 3

Pol
es 2

S1
Nm 0.52

Volt 220

Sup
ply inverter

rpm 12000

kg 3.3

EQUIPAGGIAMENTO / EQUIPMENT

Shaft
D16

Air fan
shaft

Manual
tool change
(M.T.C)

Steel
bearings

Grease
lubrication

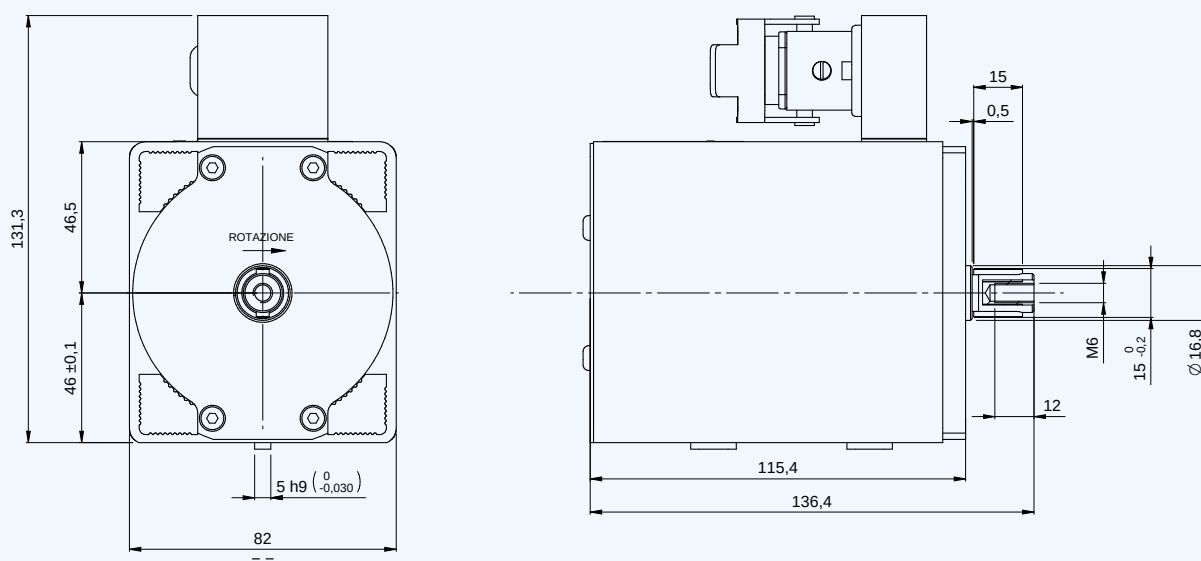
MULTITECH S



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

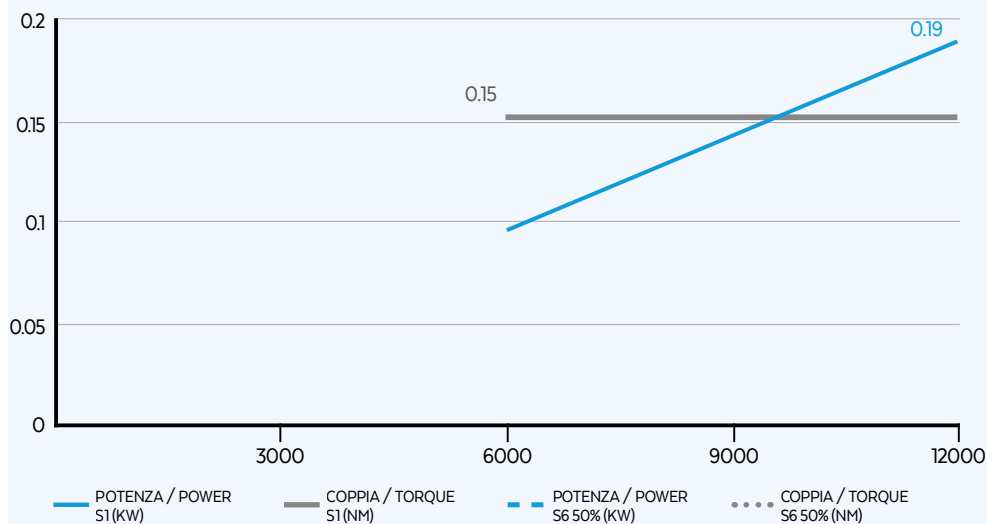


LAYOUT D12 L 19 - 0.19 KW



S-1 0.19/12 12

PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1
kW 0.19

S1
A 1.4

Pol
es 2

S1
Nm 0.15

Volt 220

Sup
ply inverter

rpm 12000

kg 2

EQUIPAGGIAMENTO / EQUIPMENT

Shaft
D12

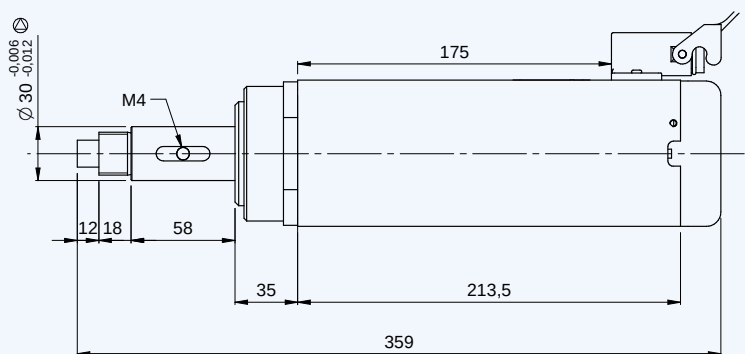
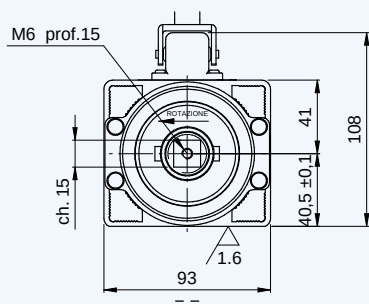
Air fan
shaft

Manual
tool change
(M.T.C)

Steel
bearings

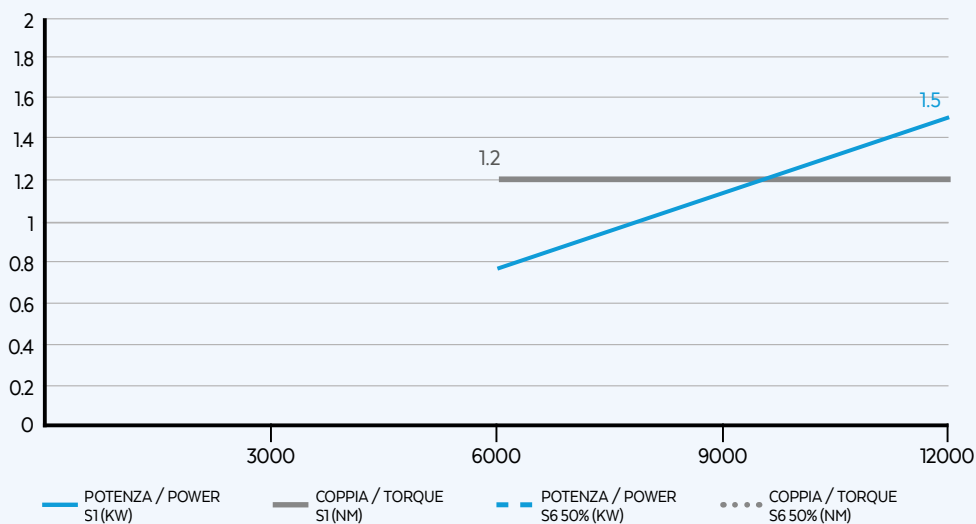
Grease
lubrication

LAYOUT D30 L58 - 1.5 KW



S-11.5/12 12

PRESTAZIONI / PERFORMANCES



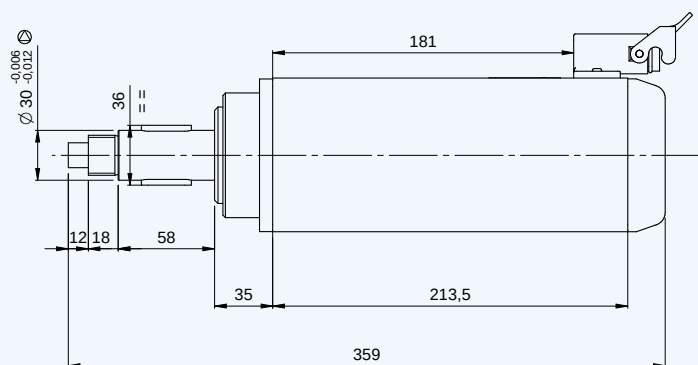
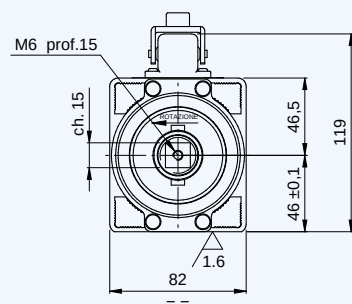
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1 kW 1.5	S1 A 5.7	Pol es 2
S1 Nm 1.2	Volt 220	Sup ply inverter
rpm 12000	kg 8	

EQUIPAGGIAMENTO / EQUIPMENT

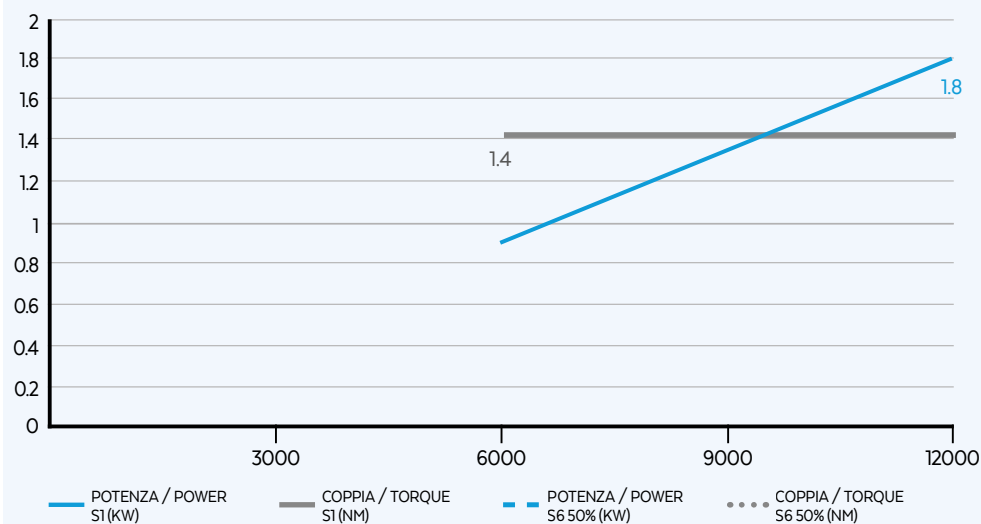
Shaft D30	Air fan shaft	Manual tool change (M.T.C)
Steel bearings	Grease lubrication	

LAYOUT D30 L58 - 1.8 KW



S-11.8/12 12

PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1 kW 1.8	S1 A 6.5	Pol es 2
S1 Nm 1.4	Volt 220	Sup ply inverter
rpm 12000	kg 8	

EQUIPAGGIAMENTO / EQUIPMENT

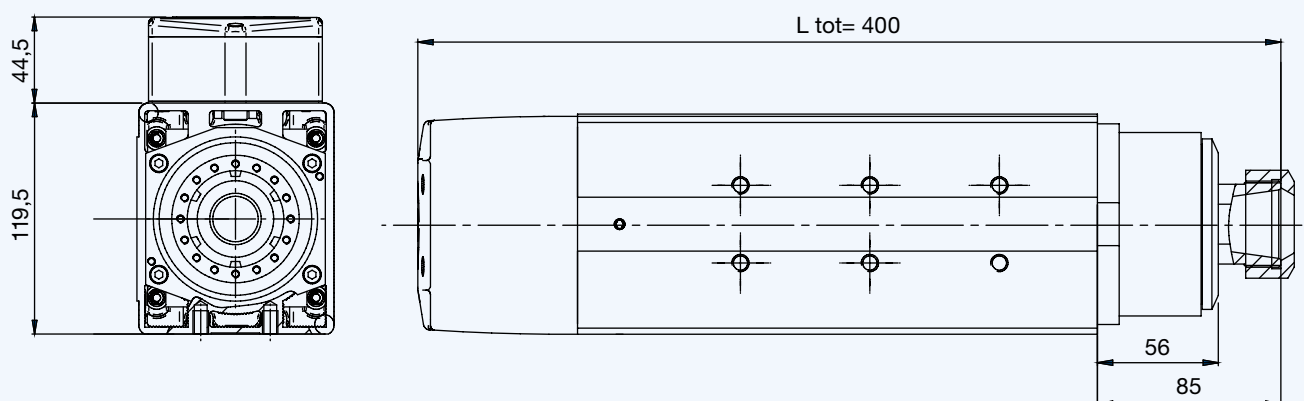
Shaft D30	Air fan shaft	Manual tool change (M.T.C)
Steel bearings	Grease lubrication	

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

LAYOUT ER 32 DX

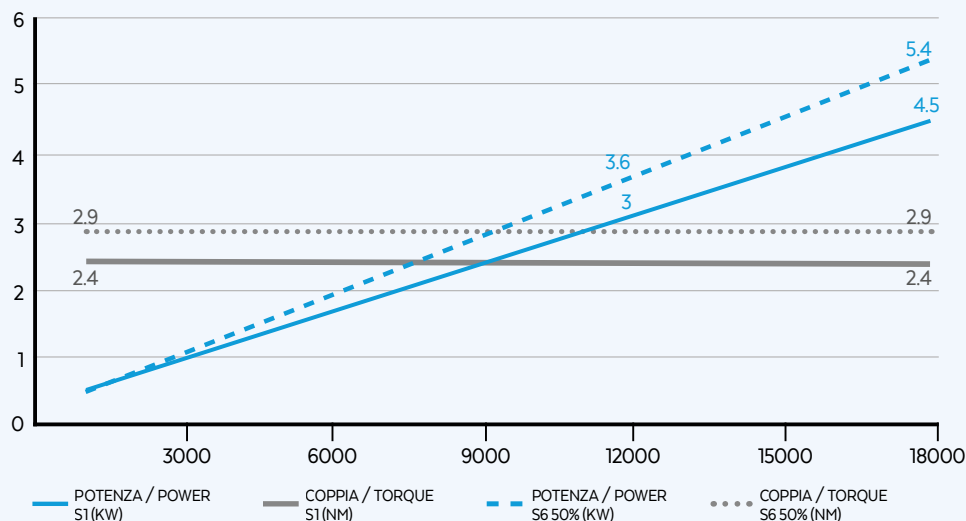


ALTRI LAYOUT / OTHER LAYOUTS

	ΔL	L tot
Aria compressa / Compressed air	-44 mm	356 mm

QN-1F 4.5/18 18

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- HSK 40C
- Compressed air cooling
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

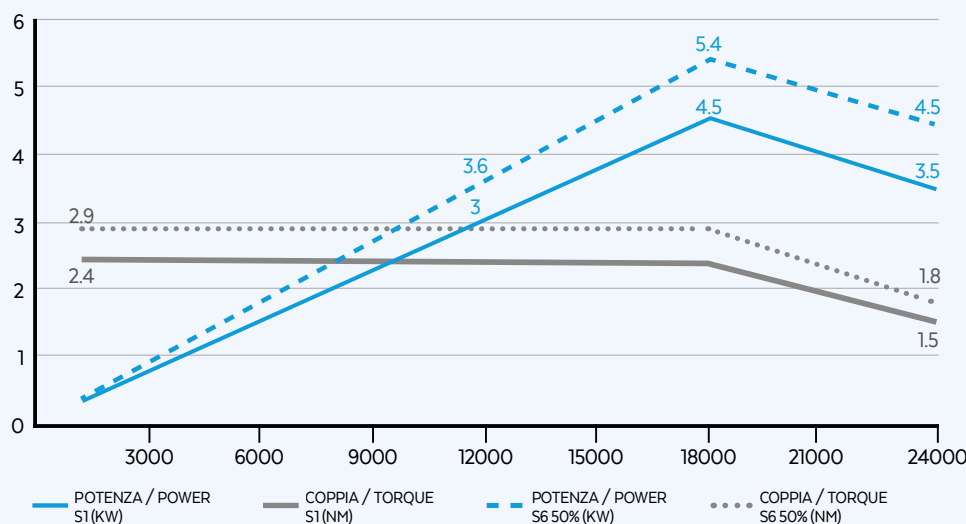
S1-S6 kW 4.5/5.4	S1-S6 A 9.5/12.8	Pol es 2
S1-S6 Nm 2.4/2.9	Volt 380	Sup ply inverter
rpm 18000	kg 15	

EQUIPAGGIAMENTO / EQUIPMENT

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

QN-1F 4.5/18 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- HSK 40C
- Compressed air cooling
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

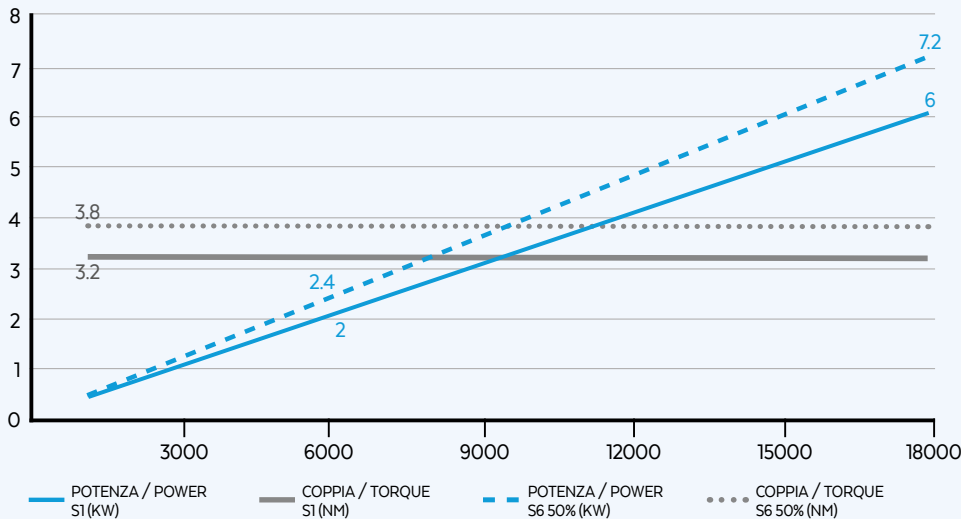
S1-S6 kW 4.5/5.4	S1-S6 A 9.5/15	Pol es 2
S1-S6 Nm 2.4/2.9	Volt 380	Sup ply inverter
rpm 24000	kg 15	

EQUIPAGGIAMENTO / EQUIPMENT

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

QN-1F 6/18 18

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

- HSK 40C
- Compressed air cooling
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

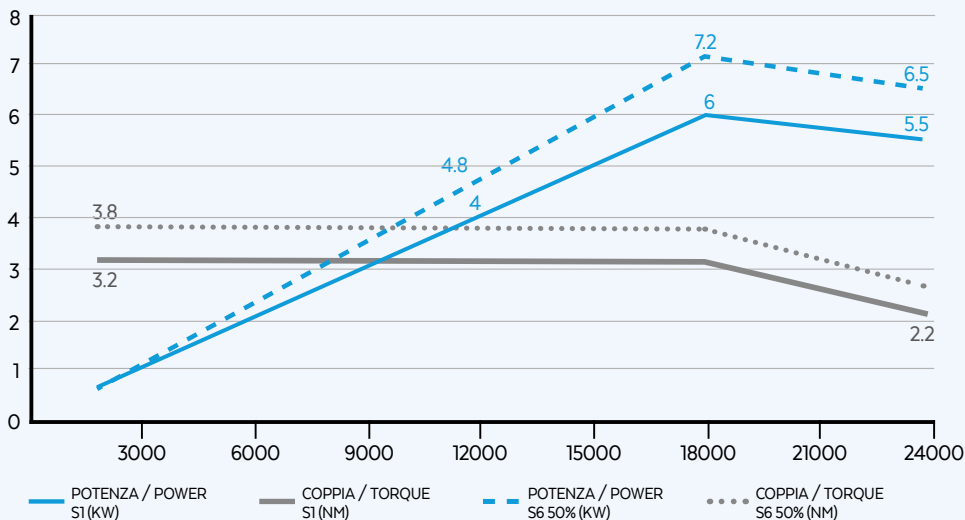
- S1-S6 kW 6/7.2
- S1-S6 A 12.5/15.3
- Poles 2
- S1-S6 Nm 3.2/3.8
- Volt 380
- Supply inverter
- rpm 18000
- kg 15

EQUIPAGGIAMENTO / EQUIPMENT

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

QN-1F 6/18 24

PRESTAZIONI / PERFORMANCES



OPZIONALI / OPTIONS

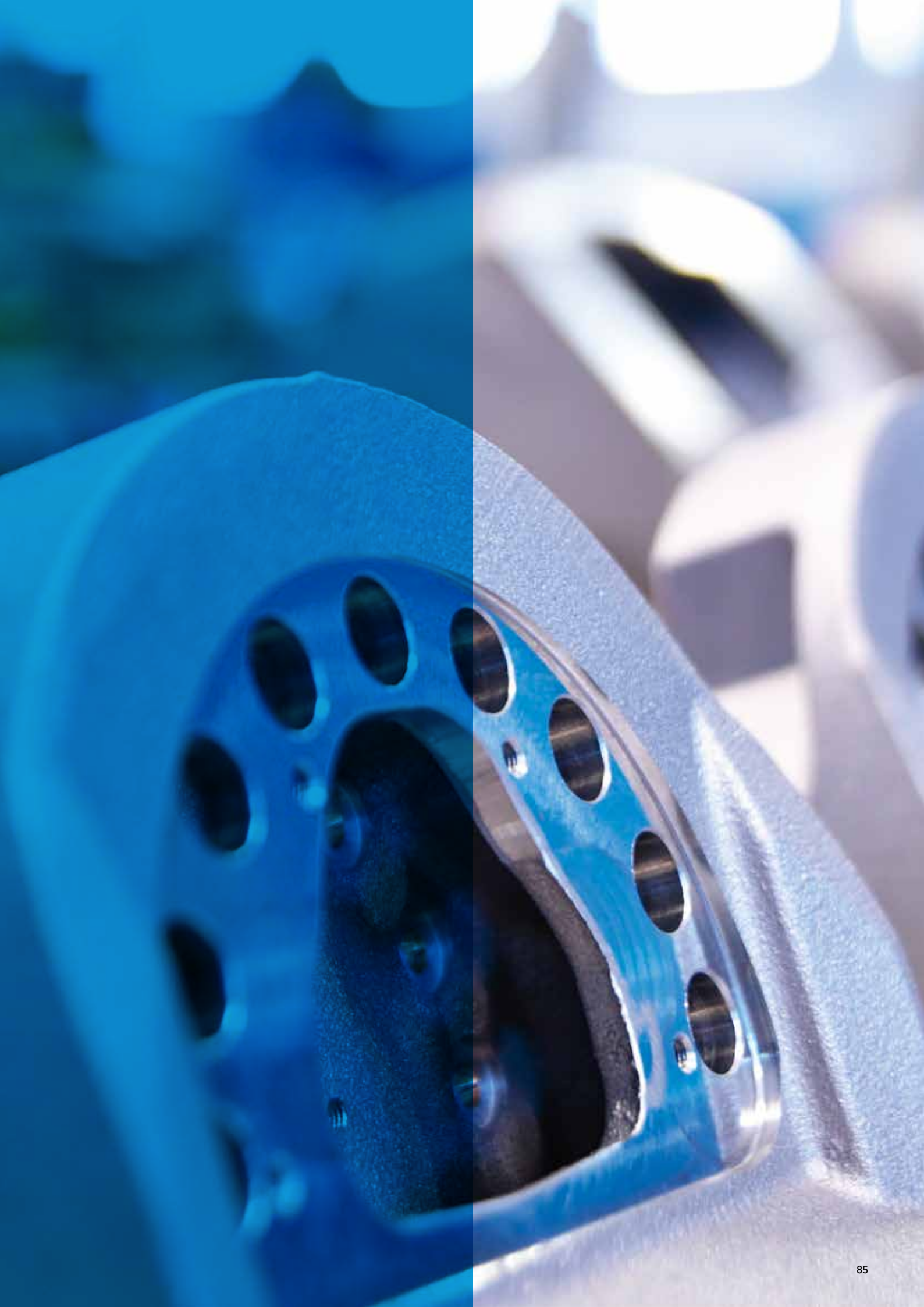
- HSK 40C
- Compressed air cooling
- Dual voltage 220V-380V

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

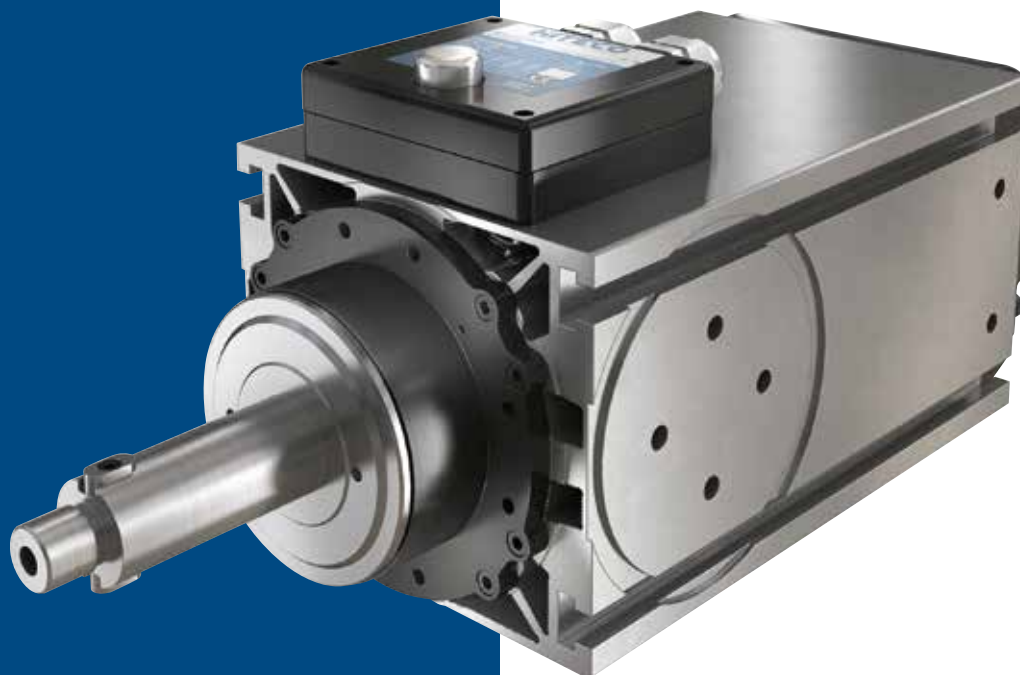
- S1-S6 kW 6/7.2
- S1-S6 A 12.5/15.3
- Poles 2
- S1-S6 Nm 3.2/3.8
- Volt 380
- Supply inverter
- rpm 24000
- kg 15

EQUIPAGGIAMENTO / EQUIPMENT

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

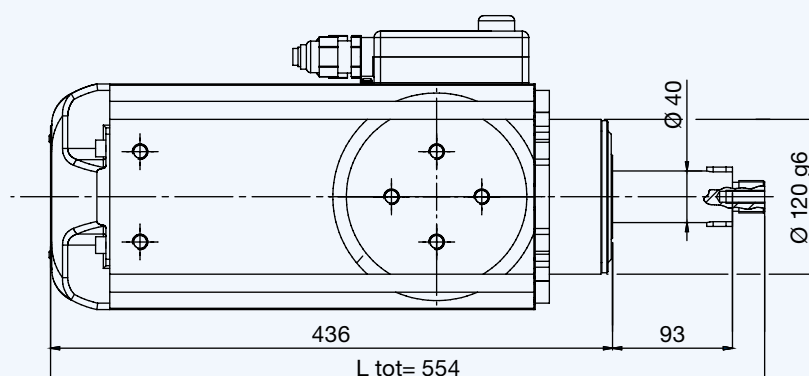
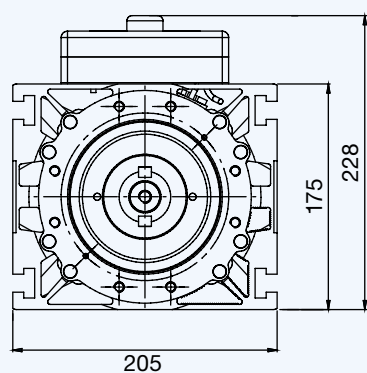


MULTITECH MQH



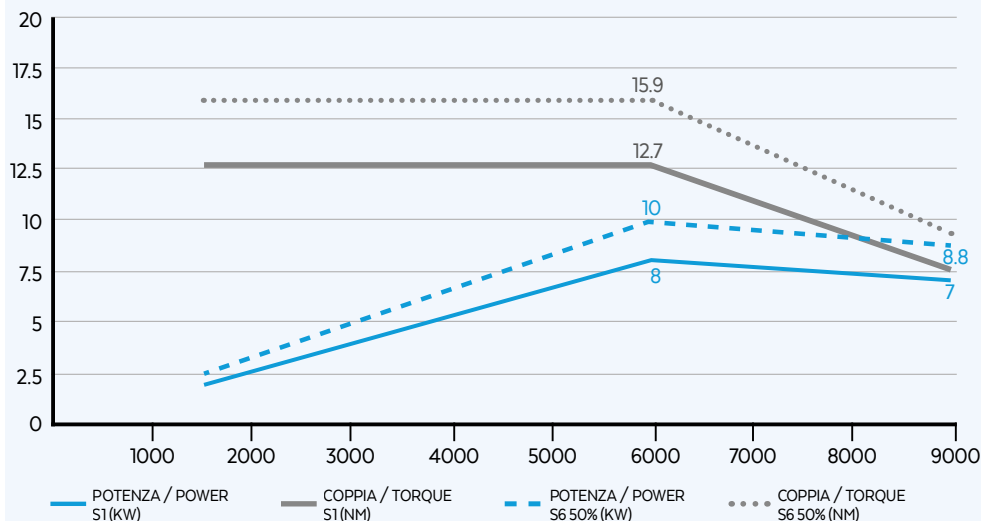
SUITABLE FOR MACHINING WOOD
POWER UP TO 13 KW
SHAFT ROTATION SENSOR

LAYOUT D40



MQH-1 8/6 9

PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

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

EQUIPAGGIAMENTO / EQUIPMENT

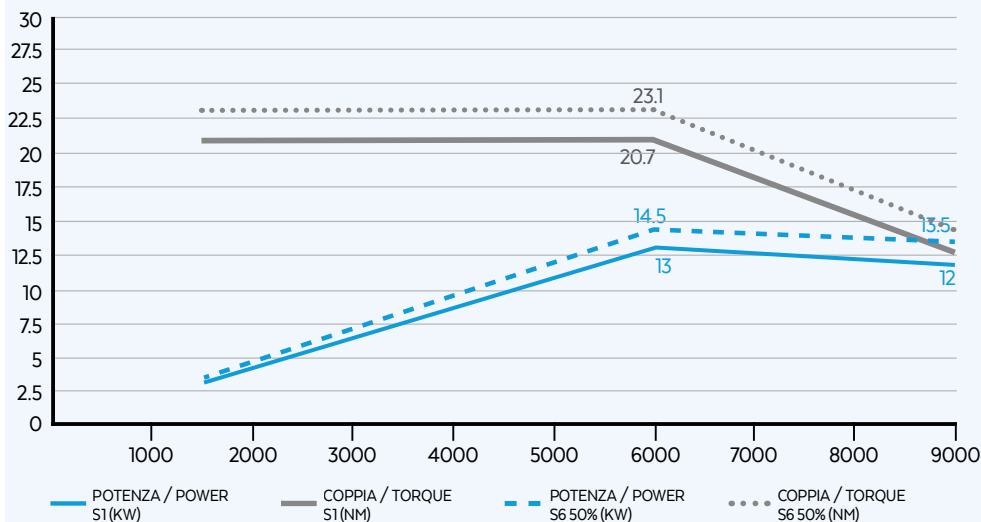
Shaft
D40Air fan
shaftManual
tool change
(M.T.C)

Sensors s3

Steel
bearingsGrease
lubrication

MQH-1 13/6 9

PRESTAZIONI / PERFORMANCES



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

S1-S6
kW 13/14.5S1-S6
A 25.8/30**Pol** es 4S1-S6
Nm 20.7/22.7**Volt** 380**Sup** ply inverter**rpm** 9000**kg** 55

EQUIPAGGIAMENTO / EQUIPMENT

Shaft
D40Air fan
shaftManual
tool change
(M.T.C)

Sensors s3

Steel
bearingsGrease
lubrication

C-AXIS FOR POWERTECH 300-400

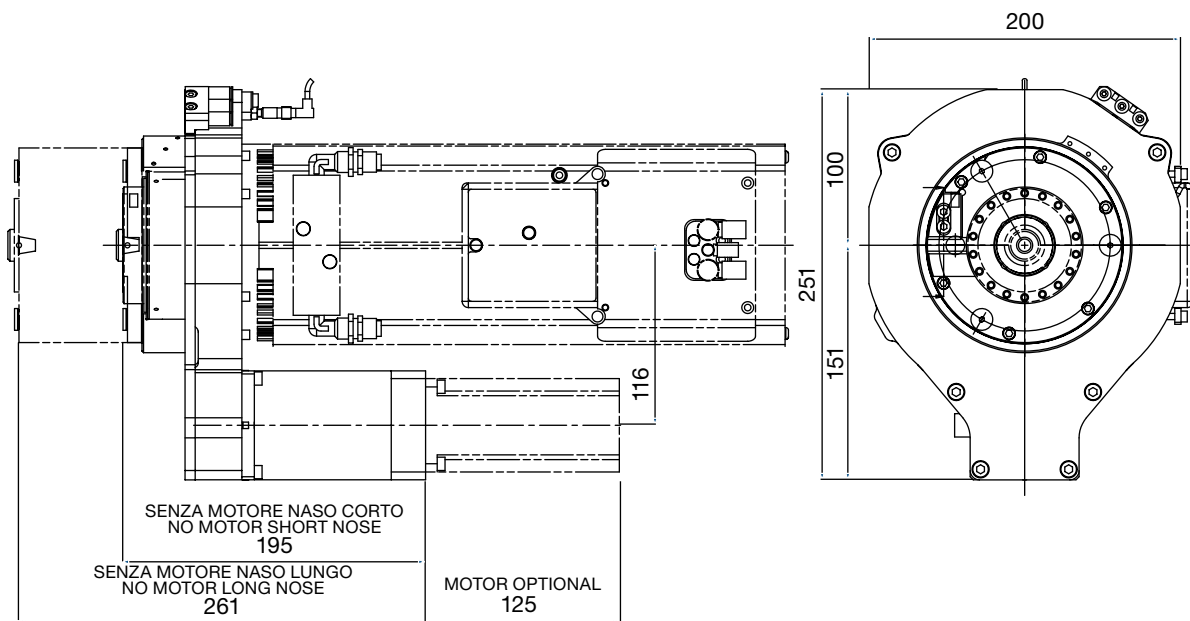


**Compass Naso corto (NC) con 3 utenze pneumatiche,
con servomotore Yaskawa**
Compass Short Nose (NC) with 3 pneumatic connections
With Yaskawa servo-motor

**Compass Naso lungo (NL) con 3 utenze pneumatiche,
con servomotore Yaskawa**
Compass Long Nose (NC) with 3 pneumatic connections
With Yaskawa servo-motor

OPZIONALI / OPTIONS

Disponibile senza servomotore
Available without servomotor



RIFERIMENTO TESTINE ANTI-ROTATION SLEEVES



**Riferimento testine per PT200: 2 posizioni,
senza utenze pneumatiche**
Anti-rotation sleeve for PT 200: 2 positions
Without pneumatic connections

**Riferimento testine per PT250: 2 posizioni,
con o senza utenze pneumatiche**
Anti-rotation sleeves for PT 250: 2 positions
With or without pneumatic connections

**Riferimento testine per PT300-400: 2 posizioni,
disponibile in versione Naso corto e Naso lungo (NC e NL),
con e senza utenze pneumatiche**
Anti-rotation sleeves for PT 300-400: 2 positions
Available with Short and Long Nose (NC and NL)
With or without pneumatic connections

**Riferimento testine per mandrini 5 assi
(con 1 utenza pneumatica)**
Anti-rotation sleeves for 5-axis spindles
With 1 pneumatic connection

CONO PORTA UTENSILE TOOL HOLDER

Tool holder
Cono porta utensile HSK63F ER 32 M40X1.5_DX

Tool holder
Cono porta utensile ISO30 ER 32 M40X1.5_DX



Per altre tipologie di pinze porta utensile,
contatta lo staff Hiteco
For other tool holder types, please contact Hiteco staff

PINZA PORTA UTENSILE TOOL FINGER

Tool finger
Pinza porta utensile HSK 63F

Tool finger
Pinza porta utensile ISO 30



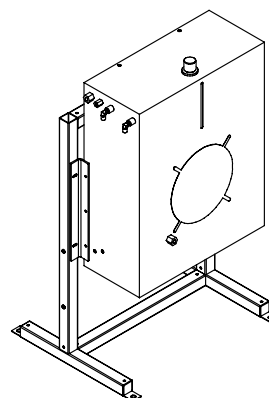
Per altre tipologie di pinze porta utensile,
contatta lo staff Hiteco
For other tool finger sizes, please contact Hiteco staff

SCAMBIATORE DI CALORE HEAT EXCHANGER

Potenza
di raffreddamento
Cooling power 5000 W with liquid temperature +40°,
air temperature +20 °C

Portata liquido
Liquid flow 4 lt/min at 5,5 bar

Capacità serbatoio
Tank capacity 5lt



OPZIONALI / OPTIONS

Disponibile versione senza supporto e tubi flessibili
Available without support and flexible hoses







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