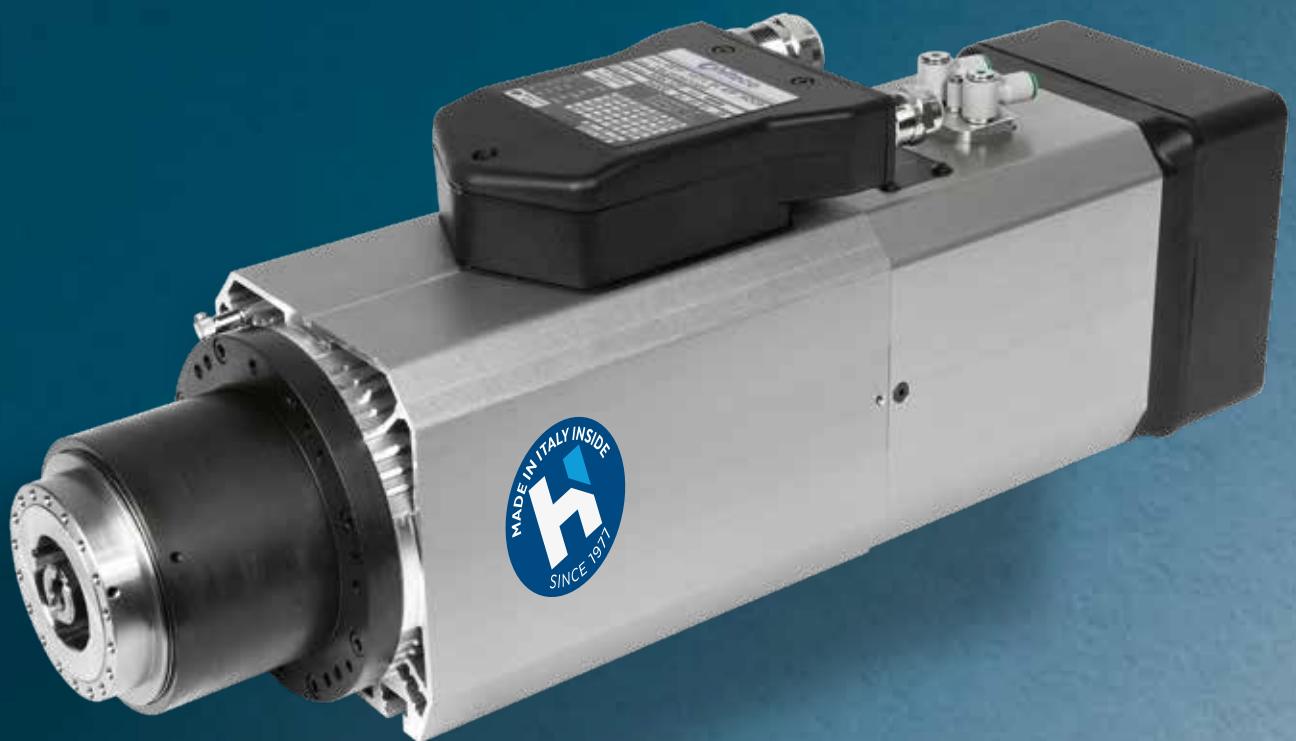
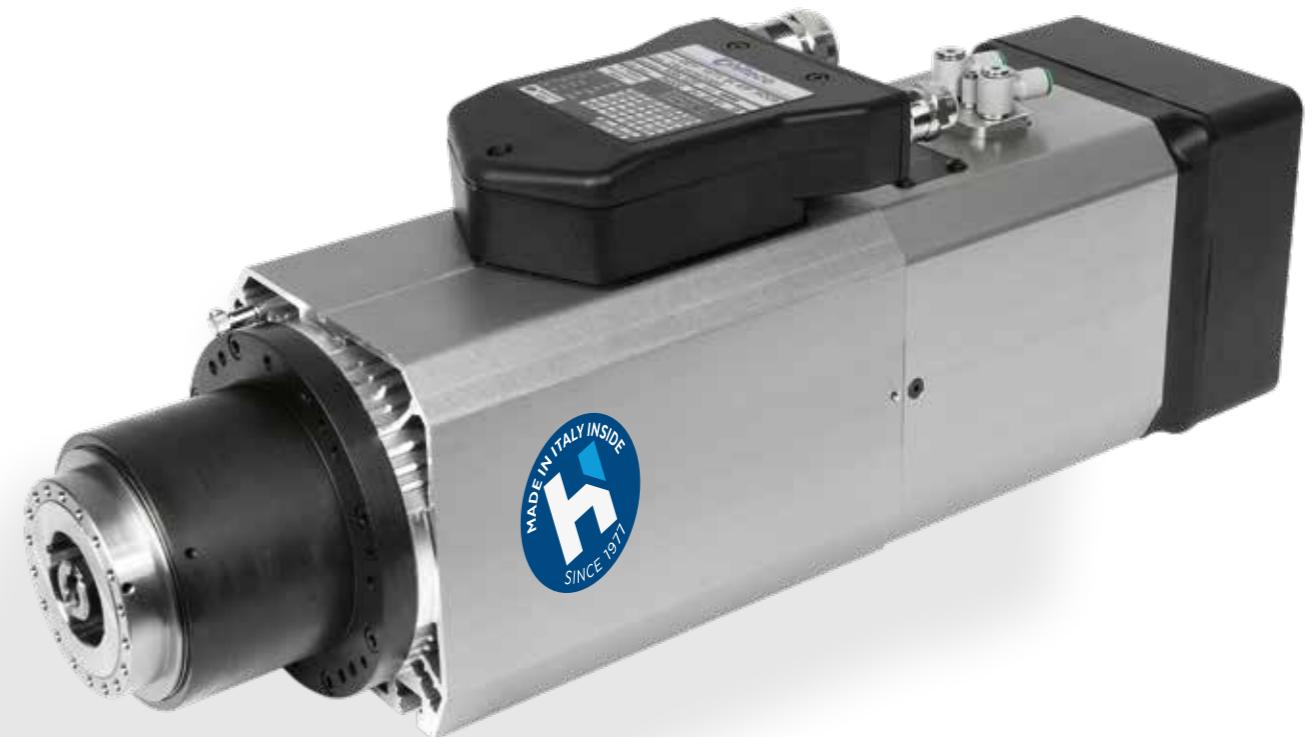


elettromandrini
electrospindles



HITECO
HIGH TECHNOLOGY COMPONENTS

elettromandrini
electrospindles



HITECO
HIGH TECHNOLOGY COMPONENTS



MAKES YOUR DIFFERENCE



A HISTORIC COMPANY

Hiteco rappresenta la continuità di un team che dal 1977 progetta e produce mandrini ad alta velocità, realizzando per primi, nel 1985, elettromandrini con cambio utensile automatico per il settore legno.

Lo sviluppo del settore, sempre più esponenziale, ha fatto sì che anche le competenze di Hiteco si ampliassero a tutto l'ambito di progettazione e produzione di componenti altamente tecnologici per macchine utensili per la lavorazione del legno, leghe leggere, plastica e materiali compositi.

A HISTORIC COMPANY

Hiteco represents the continuity of a team that since 1977 designs and produces high speed spindles. In 1985, we were the first to create electrospindles with automatic tool changes for the wood sector.

The increasingly exponential growth of the sector led Hiteco to widen its skills to cover the whole design and production of highly technological components for machine tools used to machine wood, light alloys, plastic and composite materials.

THE BEST IMPROVED TECHNOLOGY

Hiteco investe fortemente nella ricerca continua di nuove e sempre più efficaci soluzioni, disponendo di un centro specializzato nella ricerca d'avanguardia, dotato di tutte le attrezzature necessarie per svolgere complesse analisi e sperimentazione. I progettisti di Hiteco si avvalgono dei più moderni strumenti di elaborazione tecnica utilizzando programmi al CAD parametrico tridimensionale. Gli avanzati programmi di calcolo e simulazione permettono ai progettisti di Hiteco di effettuare articolate elaborazioni su ogni singolo particolare e verifiche agli elementi finiti.

L'obiettivo di leadership che Hiteco si pone verso il mercato, colloca al primo posto la qualità dei propri prodotti. Per questo tutto il percorso di fabbricazione è caratterizzato da scrupolosi e rigorosi controlli effettuati nelle fasi più significative del processo. Tutti i controlli e l'attento collaudo finale vengono eseguiti attraverso i più avanzati strumenti opportunamente certificati e continuamente aggiornati.

THE BEST IMPROVED TECHNOLOGY

Hiteco invests heavily in the continuous research of new and increasingly effective solutions with its cutting-edge research centre equipped with all the equipment needed to carry out complex analysis and experiments. The Hiteco designers use the latest technical processing instruments with parametric 3D CAD programs. The advanced calculation and simulation programs allow Hiteco designers to carry out structured formulations on each single part and checks on the finite elements. Hiteco's market leadership objective puts the quality of its products at the first place. This is why we have implemented scrupulous and rigorous controls at the most critical stages of the production process. All the controls and the thorough final tests are carried out with certified and constantly updated state of the art instruments.

THE PROMPTEST ASSISTANCE

Hiteco fornisce 3 tipologie differenti di servizio a fronte di malfunzionamento dell'elettromandrino:

Riparazione: prevede il ripristino del funzionamento dell'elettromandrino mediante attività concordate col cliente.

Top priority riparazioni: Hiteco dispone di un magazzino di parti di ricambio che consente la sostituzione del componente difettoso e il ripristino dell'elettromandrino in 24h.

Revisione: prevede lo smontaggio dell'elettromandrino in tutti i suoi componenti, sostituzione dell'eventuale componente difettoso, successivo montaggio, rodaggio e collaudo finale.

L'elettromandrino revisionato è garantito.

THE PROMPTEST ASSISTANCE

Hiteco provides 3 different types of service in case of malfunctioning electrospindles.

Repair: Hiteco repairs the electrospindle with actions agreed with the customer.

Top priority repair: Hiteco's comprehensive spare parts magazine ensures that the faulty component can be replaced and the electrospindle repaired in 24 hours.

Overhaul: the electrospindle is disassembled in all its components, any faulty components replaced, reassembled, run-in and tested. Overhauled electrospindles are guaranteed.

100% BESPOKE

I componenti sono il cuore tecnologico di ogni macchina, ovvero ciò che ne determina la qualità nelle prestazioni e l'affidabilità nel tempo. Per questo il centro di progettazione ingegneristico Hiteco analizza sin dalla fase del preventivo le richieste dei clienti, per indirizzarli nella scelta del prodotto più adatto alle esigenze delle loro macchine, elaborando, laddove necessario, progetti speciali e su misura.

100% BESPOKE

The components are the technological heart of every machine, as they determine the quality of the performance and the long-term reliability. The Hiteco engineering planning centre analyses the customer's requests, from the estimate stage, to provide support in selecting the most suitable product for their machine's requirements. Where necessary the centre devises special and custom solutions.

THE LONGEST-STANDING CLIENT PARTNERSHIP

La fidelizzazione dei clienti non è solo una missione, ma una necessità. La particolare propensione del team Hiteco di ascoltare e rispondere alle richieste specifiche di ogni singola azienda, nasce dalla volontà di progettare soluzioni che fanno fare la differenza sul mercato ai nostri clienti.

Per questo i nostri lunghi rapporti di partnership, sono un vanto, e il punto di partenza dei nostri lavori.

THE LONGEST-STANDING CLIENT PARTNERSHIP

Customer retention is not only a mission but a necessity. Hiteco's team's readiness to listen and respond to the specific requirements of each single company, is born from the desire to design solutions that allow our customers to stand out in the market place.

This is why we are proud of our long-term partnerships, which are the starting point for our work.

THE LOWER COST OF OWNERSHIP

Leader sull'affidabilità: i prodotti hanno un'elevata durata e riducono al minimo i fermi macchina e la richiesta di assistenza.

THE LOWER COST OF OWNERSHIP

Leader in terms of reliability: the products have a long duration and reduce to a minimum machine down times and technical support requests.



p.8 POWERTECH 200

HIGH SPEED
AIR COOLING

- [p.10 QD-1F 4/12 24 I30 NC CB](#)
- [p.12 QD-1F 4/12 24 63F NC CB](#)



p.14 POWERTECH 250

HIGH SPEED
LIQUID COOLING

- [p.16 QD-2 8/12 36 40E NL CC](#)
- [p.18 QD-2 8/12 40 32E NL CC](#)
- [p.20 QD-2 8/12 36 40E NL SC](#)
- [p.22 QD-2 8/12 40 32E NL SC](#)



p.24 POWERTECH 300/400

HIGH SPEED
AIR COOLING

- [p.26 QE-1F 6.6/12 24 I30 NC CB](#)
- [p.28 QE-1F 6.6/12 24 63F NC CB](#)
- [p.30 QE-1F 8/12 24 I30 NC CB](#)
- [p.32 QE-1F 8/12 24 63F NC CB](#)
- [p.34 QE-1F 8.5/12 24 63F NC CB](#)
- [p.36 QE-1F 10/11 24 I30 NC CB](#)
- [p.38 QE-1F 10/11 24 63F NC CB](#)
- [p.40 QE-1F 12/12 24 63F NC CB](#)

LIQUID COOLING

- [p.42 QE-1F 13/12 24 63F NC CB](#)
- [p.44 QE-1F 16/12 24 63F NC CB](#)

HIGH TORQUE
AIR COOLING

- [p.46 QE-1F 5.5/6 20 I30 NC CB](#)
- [p.48 QE-1F 5.5/6 20 63F NC CB](#)
- [p.50 QE-1F 7.5/6 24 I30 NC CB](#)
- [p.52 QE-1F 7.5/6 24 63F NC CB](#)
- [p.54 QE-1F 8.5/6 24 I30 NC CB](#)
- [p.56 QE-1F 8.5/6 24 63F NC CB](#)

LIQUID COOLING

- [p.58 QE-2 9/6 24 63F NC CB](#)
- [p.60 QE-2 11/6 24 63F NC CB](#)



p.62 POWERTECH 500

HIGH SPEED
AIR COOLING

- [p.64 QF-1F 11/12 20 63F NL PP](#)

LIQUID COOLING

- [p.66 QF-2 18/12 20 63F NL PP](#)
- [p.68 QF-2 18/12 20 63E NL PP](#)

HIGH TORQUE
AIR COOLING

- [p.70 QF-1F 8/9 18 63F NL PP](#)
- [p.72 QF-1F 13/7 15 63F NL PP](#)

LIQUID COOLING

- [p.74 QF-2 12/6 18 63F NL PP](#)
- [p.76 QF-2 12/6 18 63E NL PP](#)



p.78 POWERTECH 600

HIGH TORQUE
AIR COOLING

- [p.80 QM-1F 11/6 10 80F NC PP](#)
- [p.82 QM-1F 18/6 12 80F NC PP](#)



p.84 ROBOTECH

**HIGH SPEED
LIQUID COOLING**

- [p.86 QX-2 8.5/12 24 63F NC SC](#)
- [p.88 QX-2 10/12 24 63F NC SC](#)
- [p.90 QX-2 11/12 24 63F NC SC](#)
- [p.92 PX-2 12/12 24 63F NC SC](#)
- [p.94 PX-2 15/12 24 63F NC SC](#)
- [p.96 PX-2 18/12 24 63F NC SC](#)
- [p.98 PX-2 20/10 24 63A NC SC \(SYNC\)](#)
- [p.100 HX-2 12/12 24 63F NC SC](#)
- [p.102 HX-2 15/12 24 63F NC SC](#)
- [p.104 HX-2 18/12 24 63F NC SC](#)
- [p.106 HX-2 20/10 24 63A NC SC \(SYNC\)](#)
- [p.108 HX-2 12/12 24 63F NC 3AXIS CC](#)
- [p.110 HX-2 15/12 24 63F NC 3AXIS CC](#)
- [p.112 HX-2 18/12 24 63F NC 3AXIS CC](#)
- [p.114 HX-2 20/10 24 63A NC 3AXIS CC \(SYNC\)](#)

**HIGH TORQUE
LIQUID COOLING**

- [p.116 PX-2 10/7 24 63F NC SC](#)
- [p.118 HX-2 10/7 24 63F NC SC](#)
- [p.120 HX-2 10/7 24 63F NC 3AXIS CC](#)
- [p.122 QT-2 13/6 16 63E NC SC](#)
- [p.124 QT-2 25/7 16 63E NC SC \(SYNC\)](#)
- [p.126 QM-2 30/6 13 80F NC PP](#)



p.128 CUSTOMTECH

**HIGH TORQUE
LIQUID COOLING**

- [p.130 HD-2 5.6/18 20 50F](#)
- [p.132 KX-2 32/4.5 24 63A ES SYNCRONOUS](#)
- [p.134 ML-2 9/12 24 ER40 DX](#)



p.136 MULTITECH

**WITH ER
AIR COOLING (ELECTROFAN)**

- [p.138 QN-1F 4.5/18 18 ER32DX](#)
- [p.140 QN-1F 6/18 18 ER32DX](#)
- [p.142 QN-1F 4.5/18 24 ER32DX](#)
- [p.144 QN-1F 6/18 24 ER32DX](#)

**WITH ER
AIR COOLING (COMPRESSED AIR)**

- [p.146 QN-1C 4.5/18 18 ER32DX](#)
- [p.148 QN-1C 6/18 18 ER32DX](#)
- [p.150 QN-1C 4.5/18 24 ER32DX](#)
- [p.152 QN-1C 6/18 24 ER32DX](#)

**WITH SHAFT
AIR COOLING (FAN ON THE SHAFT)**

- [p.154 MQH1 8/6 9 D40 L93 RS](#)
- [p.156 MQH1 13/6 9 D40 L93 RS](#)



p.158 ADDITIONAL EQUIPMENT

- [p.160 C-AXIS](#)
- [p.160 REFERENCE SLEEVE](#)
- [p.161 TOOL HOLDER](#)
- [p.161 TOOL FINGER](#)
- [p.161 HEAT EXCHANGER](#)

ELECTROSPINDLE IDENTIFICATION KEY

Example

QD-2 8 / 12 40 32E NL CC EN

Model	Cooling Type	Rated Power (S1)	Max Speed	Tool Interface	Nose configuration	Electrical Connection type	Voltage	Encoder type (if required)
QD	2	8 / 12	40	32E	NL	CC	-	EN
Model identification	1= Air by fan on the shaft. 2= Air by electrofan 3= Liquid by heat exchanger	8 (kW) Power @ 12 x 1000 (RPM) Speed	Max Speed x 1000 (RPM)	Tool interface type (HSK or ISO)	Nose type	CB = Basic Connection CC = Circular Connectors PP = Plug & Play Connection Only for PT500 - PT600 and Robotech) SC = without connection (only for Robotech)	BT = Dual Voltage (220 - 380 V) Important Note: if not specified, Electrospindle is mono-voltage (380 V)	EN = Encoder TTL ES = Encoder 1Vpp

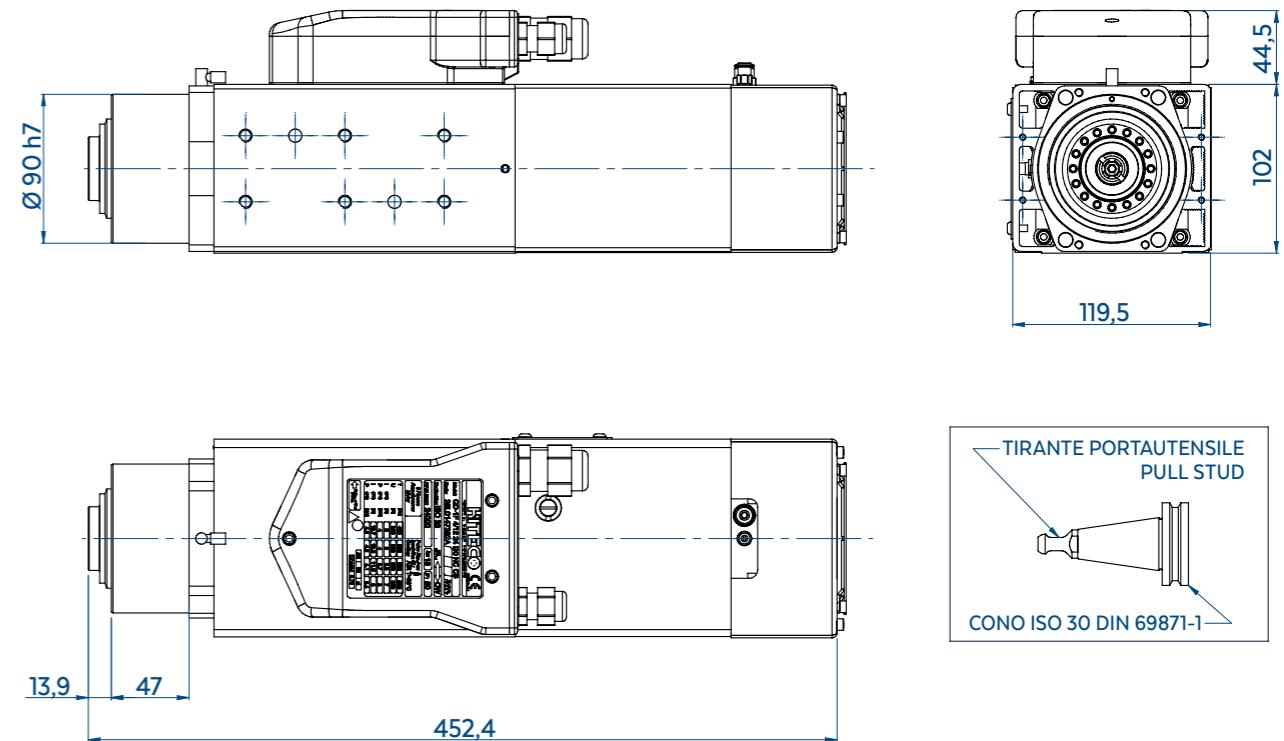
POWERTECH 200

HIGH SPEED
AIR COOLING

- QD-1F 4/12 24 I30 NC CB p.10
- QD-1F 4/12 24 63F NC CB p.12



QD-1F 4/12 24 I30 NC CB



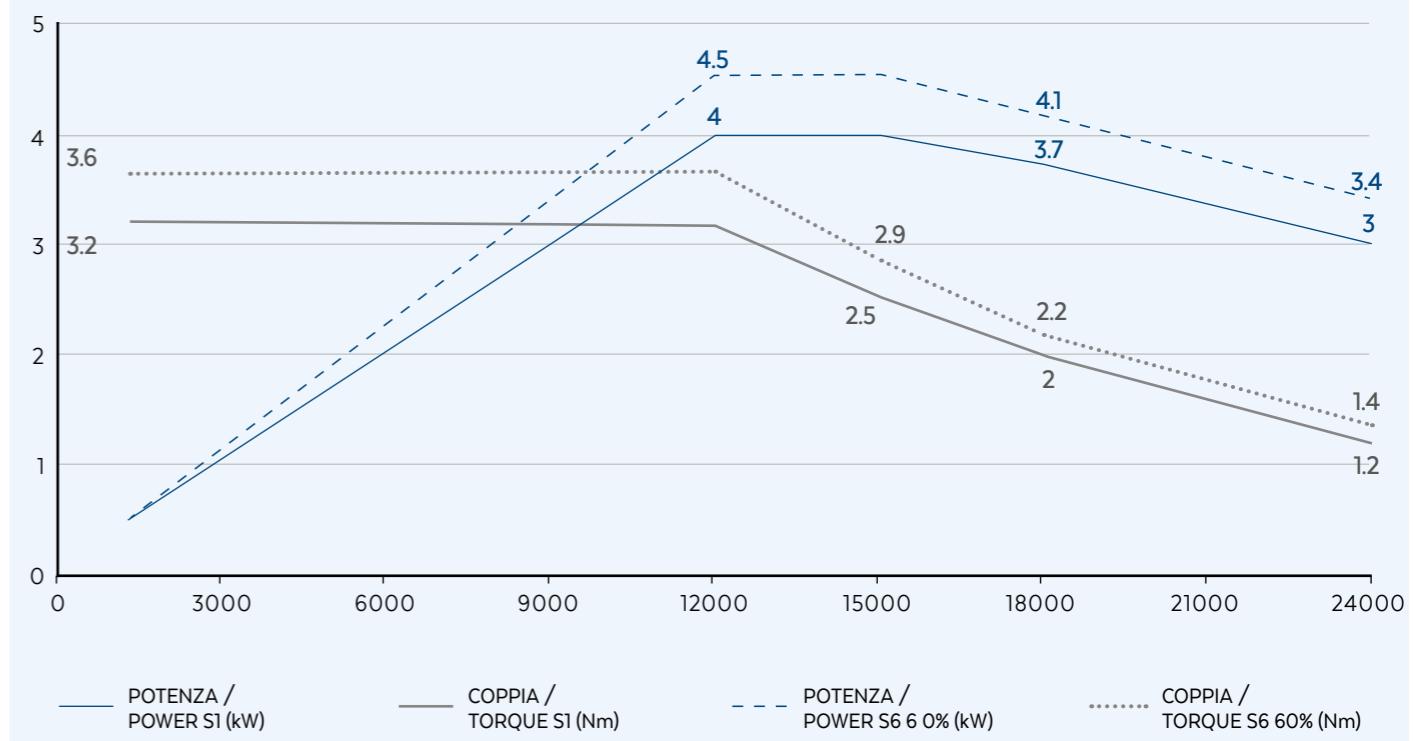
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	4	S6 kW	4,5
S1 Nm	3,2	S6 Nm	3,6
S1 A	9	S6 A	10,7
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	18		

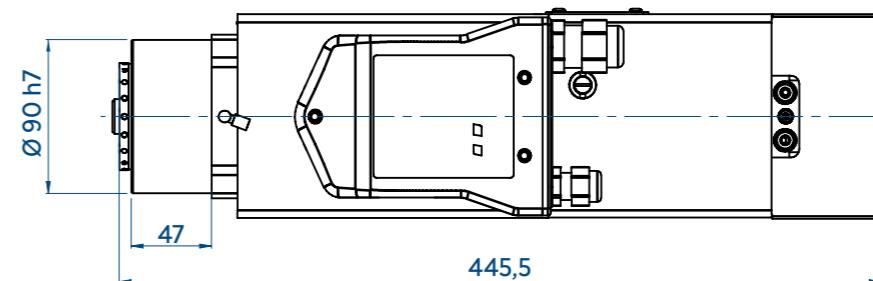
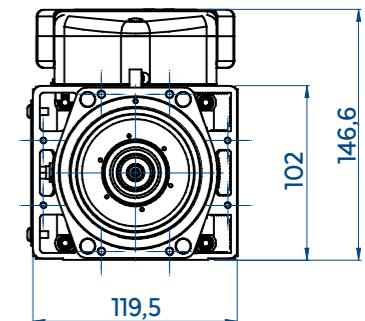
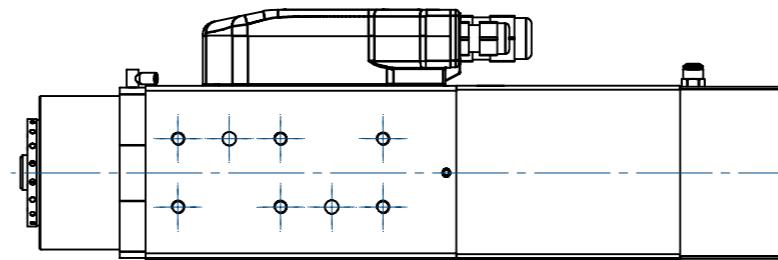
EQUIPAGGIAMENTO EQUIPMENT

	ISO 30
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento con elettroventola Electrofan cooling
OPZIONALI OPTIONALS	

PRESTAZIONI PERFORMANCES



QD-1F 4/12 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	4	S6	kW	4,5
S1	Nm	3,2	S6	Nm	3,6
S1	A	9	S6	A	10,7
Volt		380			
Poles		4			
Supply	inverter				
rpm		24000			
kg		18			

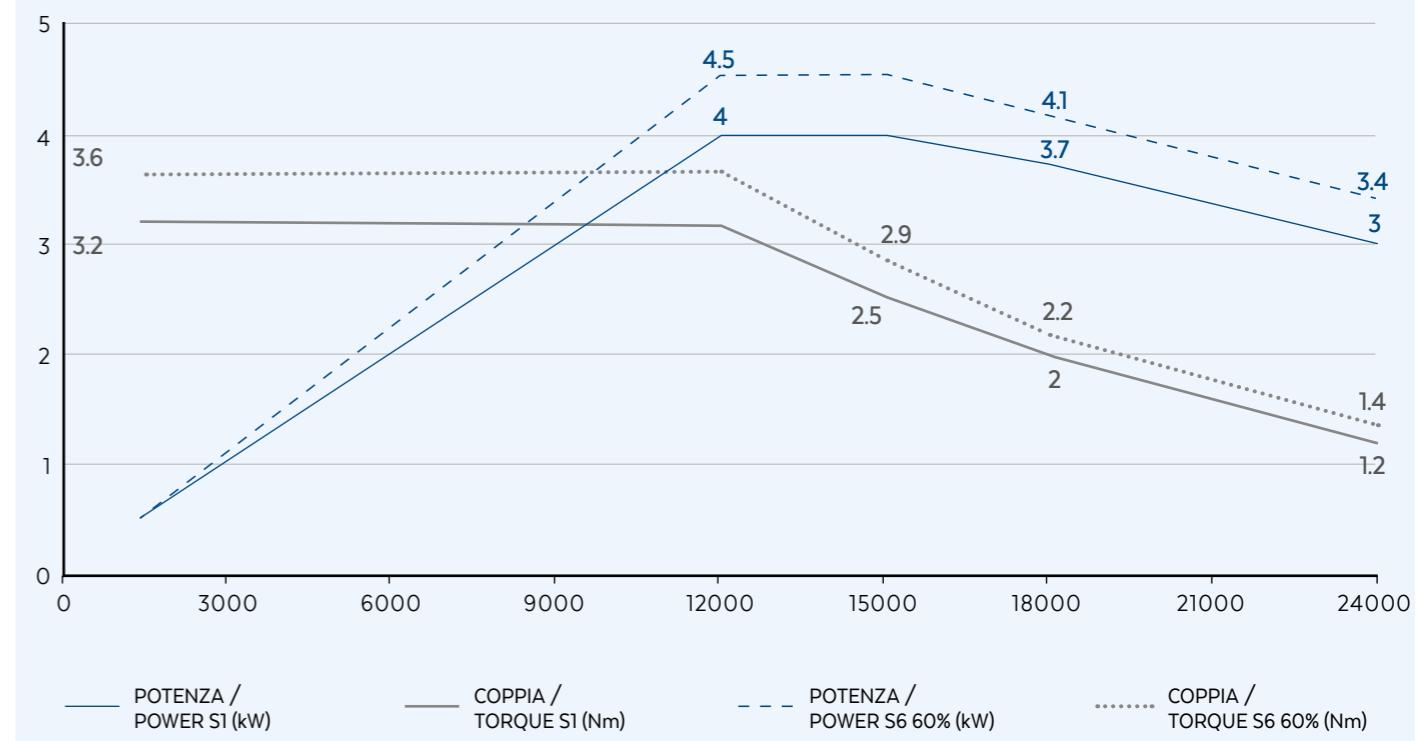
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

OPZIONALI OPTIONALS

- Dual voltage 220V-380V
- CC circular connector
Male
- CC circular connector
Female (machine side)

PRESTAZIONI PERFORMANCES



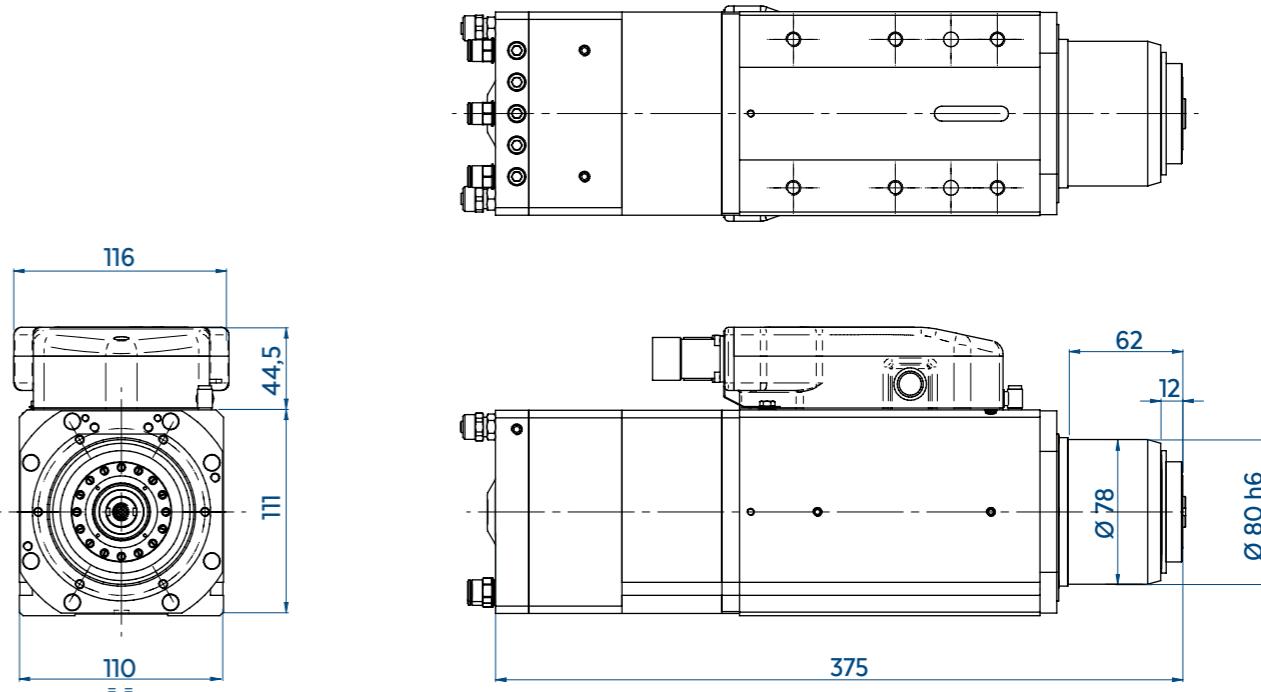
POWERTECH 250

HIGH SPEED
LIQUID COOLING

- QD-2 8/12 36 40E NL CC p.**16**
- QD-2 8/12 40 32E NL CC p.**18**
- QD-2 8/12 36 40E NL SC p.**20**
- QD-2 8/12 40 32E NL SC p.**22**



QD-2 8/12 36 40E NL CC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	8	S6 kW	9
S1 Nm	6,4	S6 Nm	7,2
S1 A	24	S6 A	26
Volt	380		
Poles	4		
Supply	inverter		
rpm	36000		
kg	21		

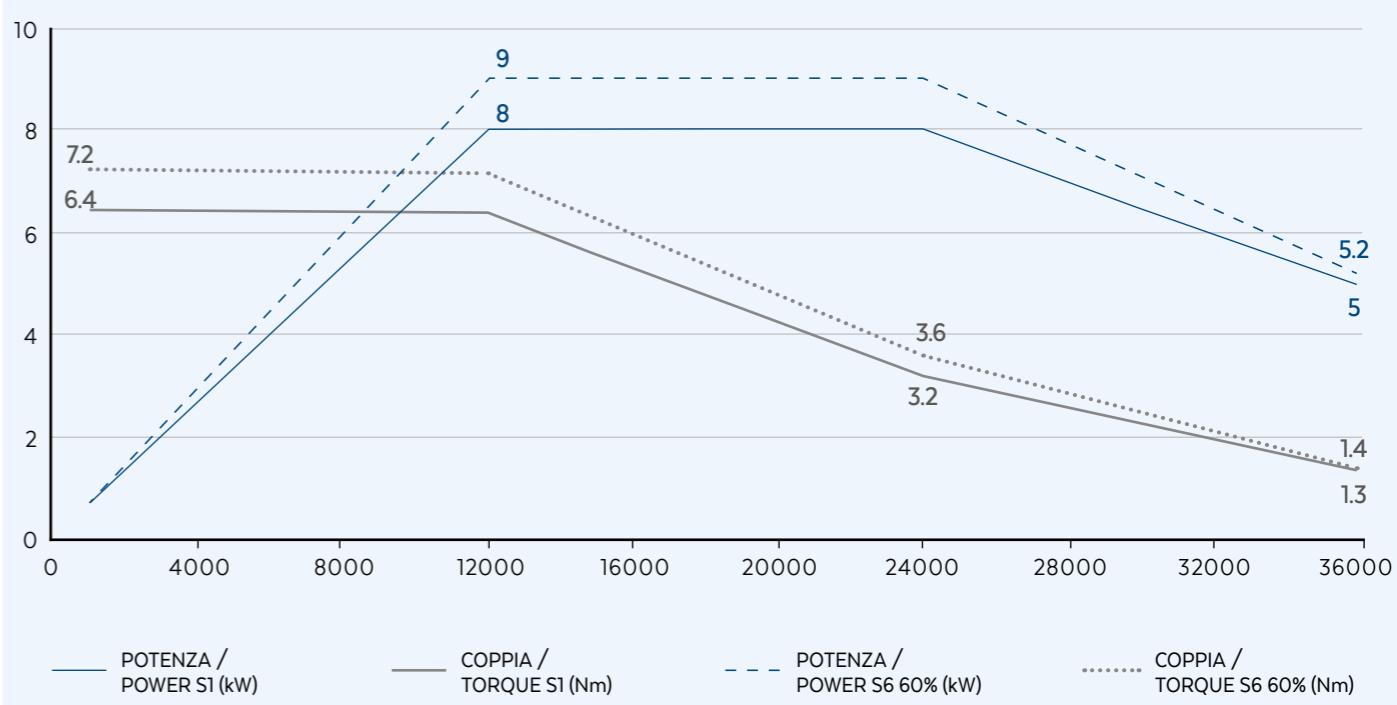
EQUIPAGGIAMENTO EQUIPMENT

- HSK 40E
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling
- CC circular connector
Male

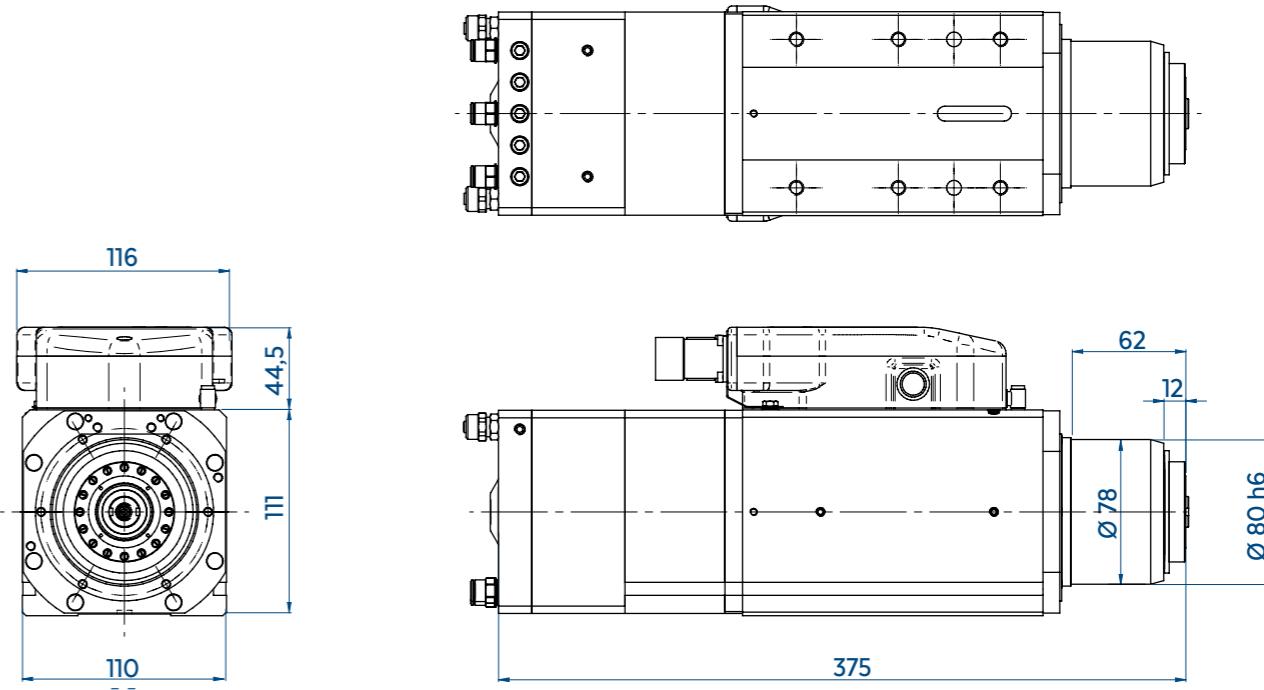
OPZIONALI OPTIONALS

- Encoder
1Vpp or TTL
- CC circular connector
Female (machine side)

PRESTAZIONI PERFORMANCES



QD-2 8/12 40 32E NL CC



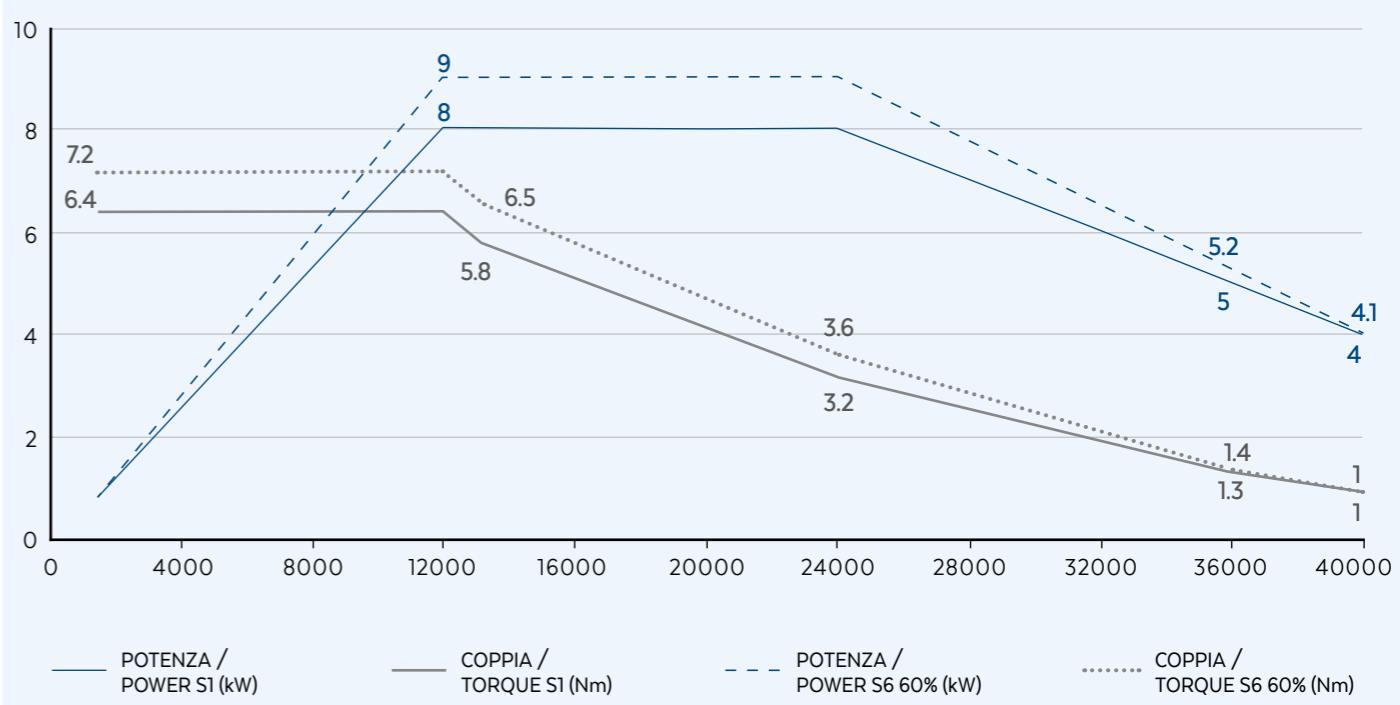
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	8
S6	kW	9
S1	Nm	6,4
S6	Nm	7,2
S1	A	24
S6	A	26
Volt		380
Poles		4
Supply		inverter
rpm		40000
kg		21

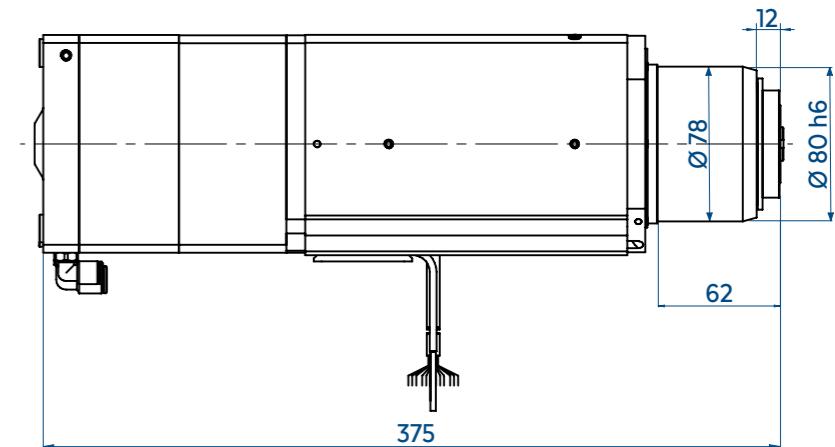
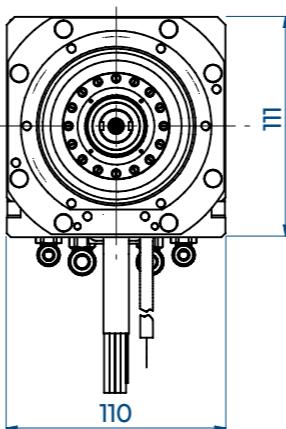
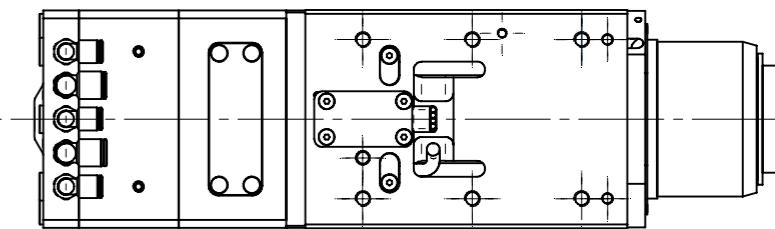
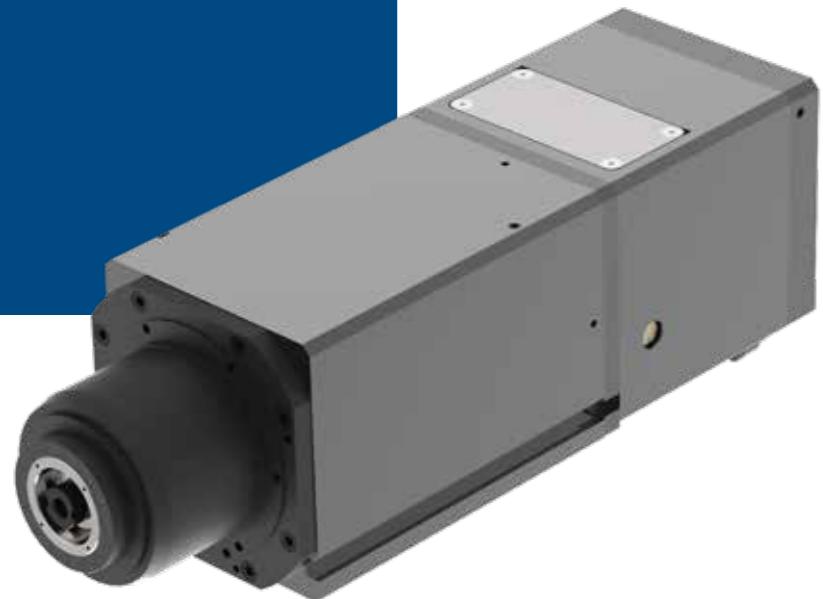
EQUIPAGGIAMENTO EQUIPMENT

	HSK 32E
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
	CC circular connector Male
	Encoder 1Vpp or TTL
	CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QD-2 8/12 36 40E NL SC



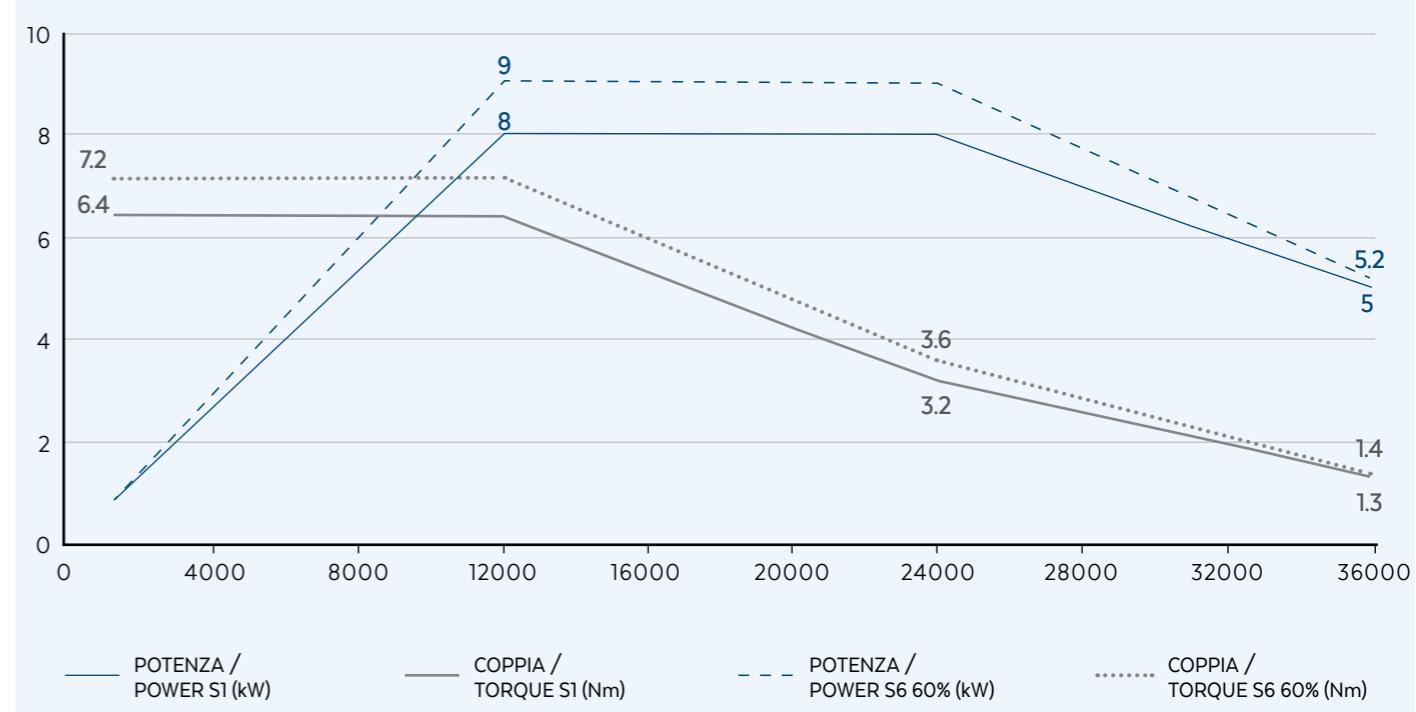
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	8
S6	kW	9
S1	Nm	6,4
S6	Nm	7,2
S1	A	24
S6	A	26
Volt		380
Pol	es	4
Supply		inverter
rpm		36000
kg		21

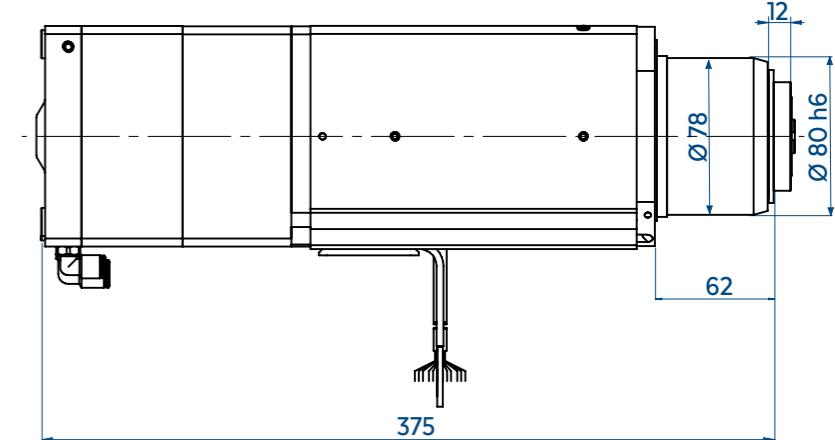
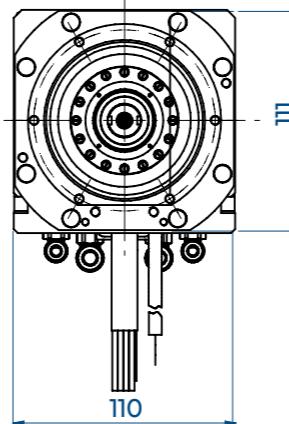
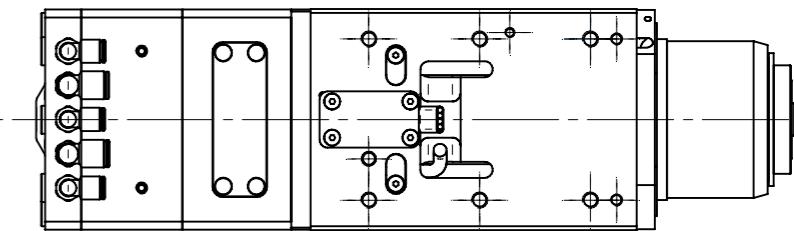
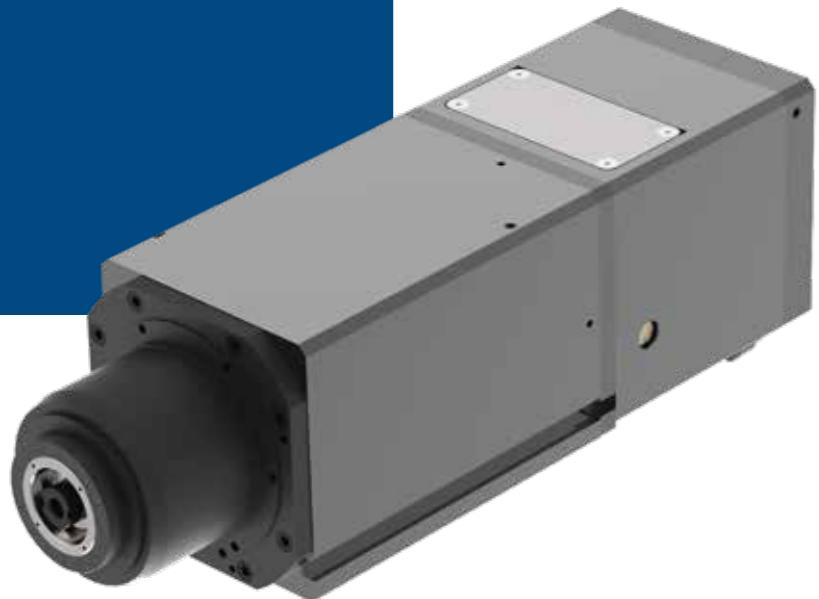
EQUIPAGGIAMENTO EQUIPMENT

	HSK 40E
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL

PRESTAZIONI PERFORMANCES



QD-2 8/12 40 32E NL SC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 8

S6 kW 9

S1 Nm 6,4

S6 Nm 7,2

S1 A 24

S6 A 26

Volt 380

Poles 4

Supply inverter

rpm 40000

kg 21

EQUIPAGGIAMENTO EQUIPMENT



HSK 32E



Cuscinetti ceramici
Ceramic ball bearings



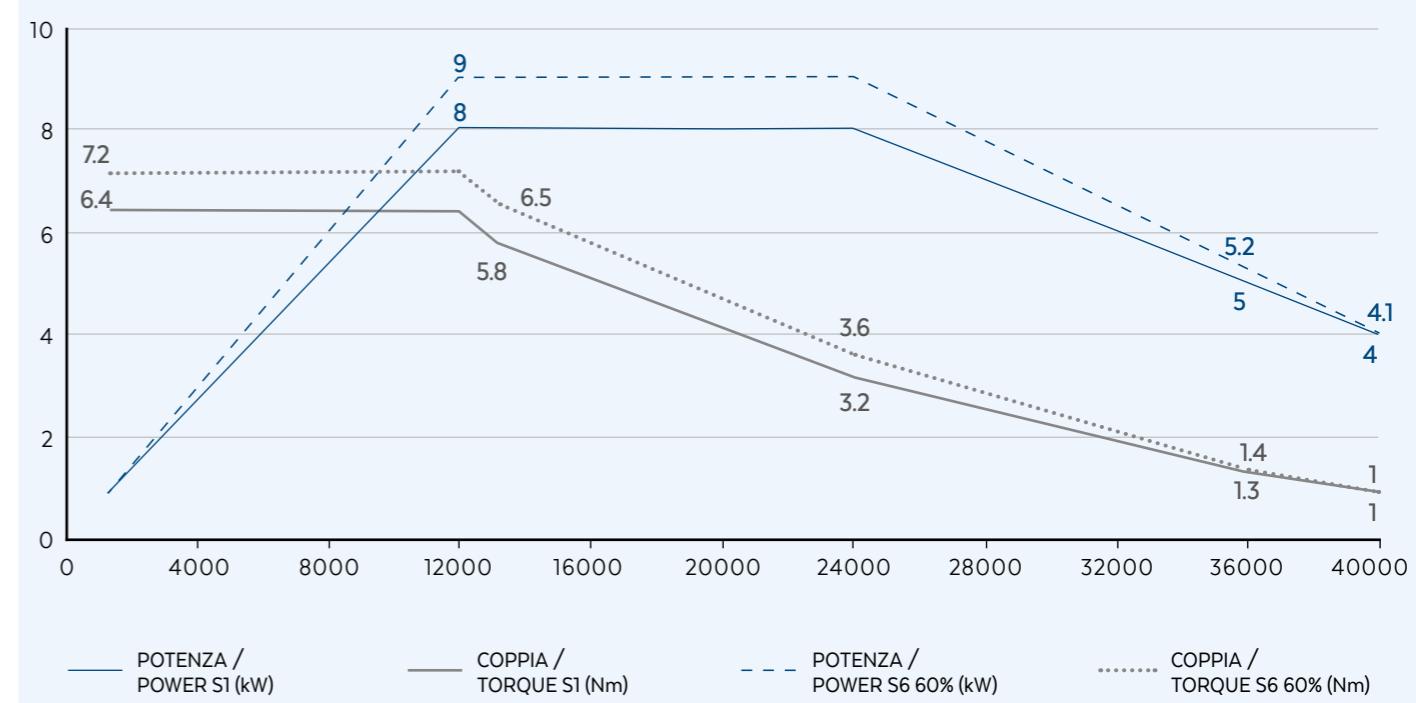
Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS



Encoder
1Vpp or TTL

PRESTAZIONI PERFORMANCES



POWERTECH 300/400



HIGH SPEED AIR COOLING

- QE-1F 6.6/12 24 I30 NC CB p.**26**
- QE-1F 6.6/12 24 63F NC CB p.**28**
- QE-1F 8/12 24 I30 NC CB p.**30**
- QE-1F 8/12 24 63F NC CB p.**32**
- QE-1F 8.5/12 24 63F NC CB p.**34**
- QE-1F 10/11 24 I30 NC CB p.**36**
- QE-1F 10/11 24 63F NC CB p.**38**
- QE-1F 12/12 24 63F NC CB p.**40**

HIGH TORQUE AIR COOLING

- QE-1F 5.5/6 20 I30 NC CB p.**46**
- QE-1F 5.5/6 20 63F NC CB p.**48**
- QE-1F 7.5/6 24 I30 NC CB p.**50**
- QE-1F 7.5/6 24 63F NC CB p.**52**
- QE-1F 8.5/6 24 I30 NC CB p.**54**
- QE-1F 8.5/6 24 63F NC CB p.**56**

HIGH SPEED LIQUID COOLING

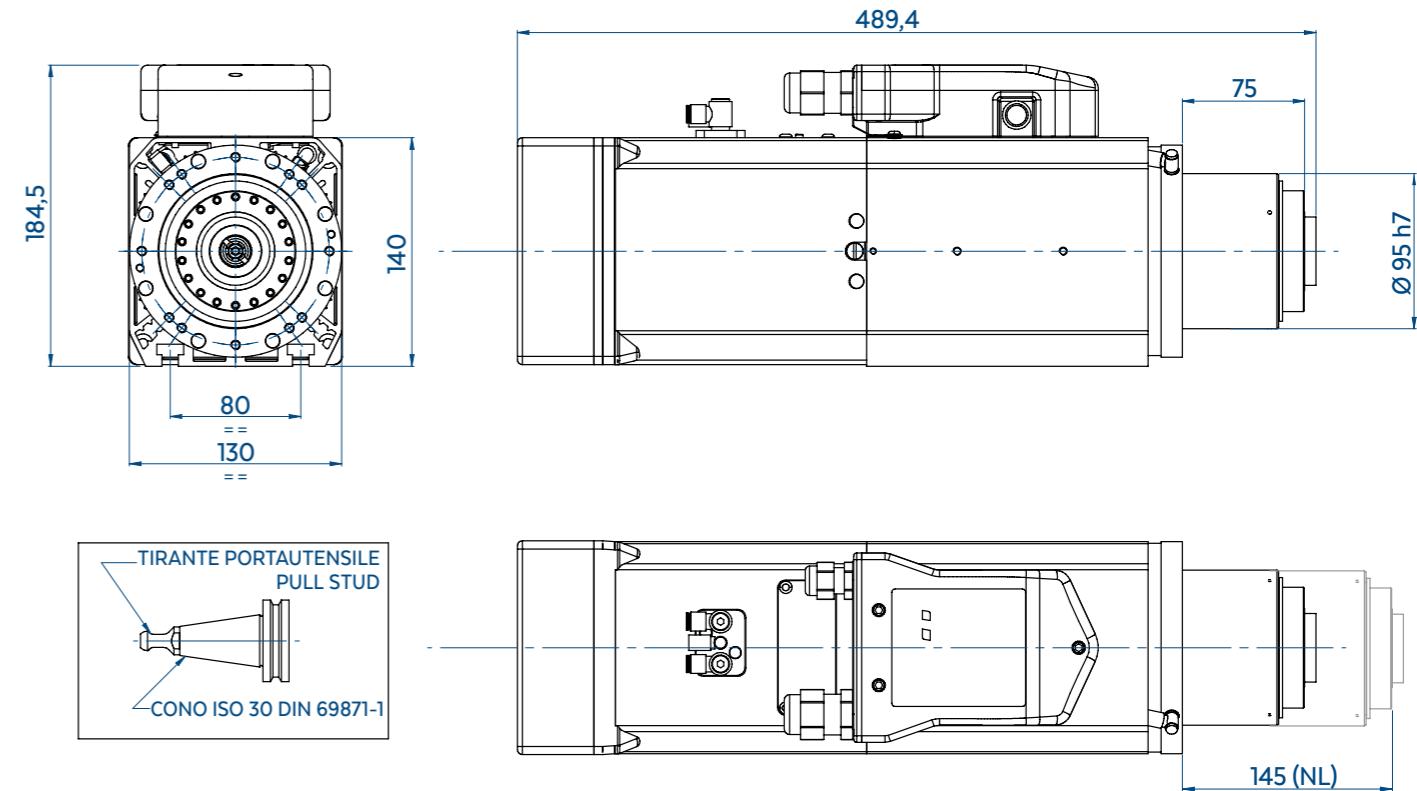
- QE-1F 13/12 24 63F NC CB p.**42**
- QE-1F 16/12 24 63F NC CB p.**44**

HIGH TORQUE LIQUID COOLING

- QE-2 9/6 24 63F NC CB p.**58**
- QE-2 11/6 24 63F NC CB p.**60**



QE-1F 6.6/12 24 I30 NC CB



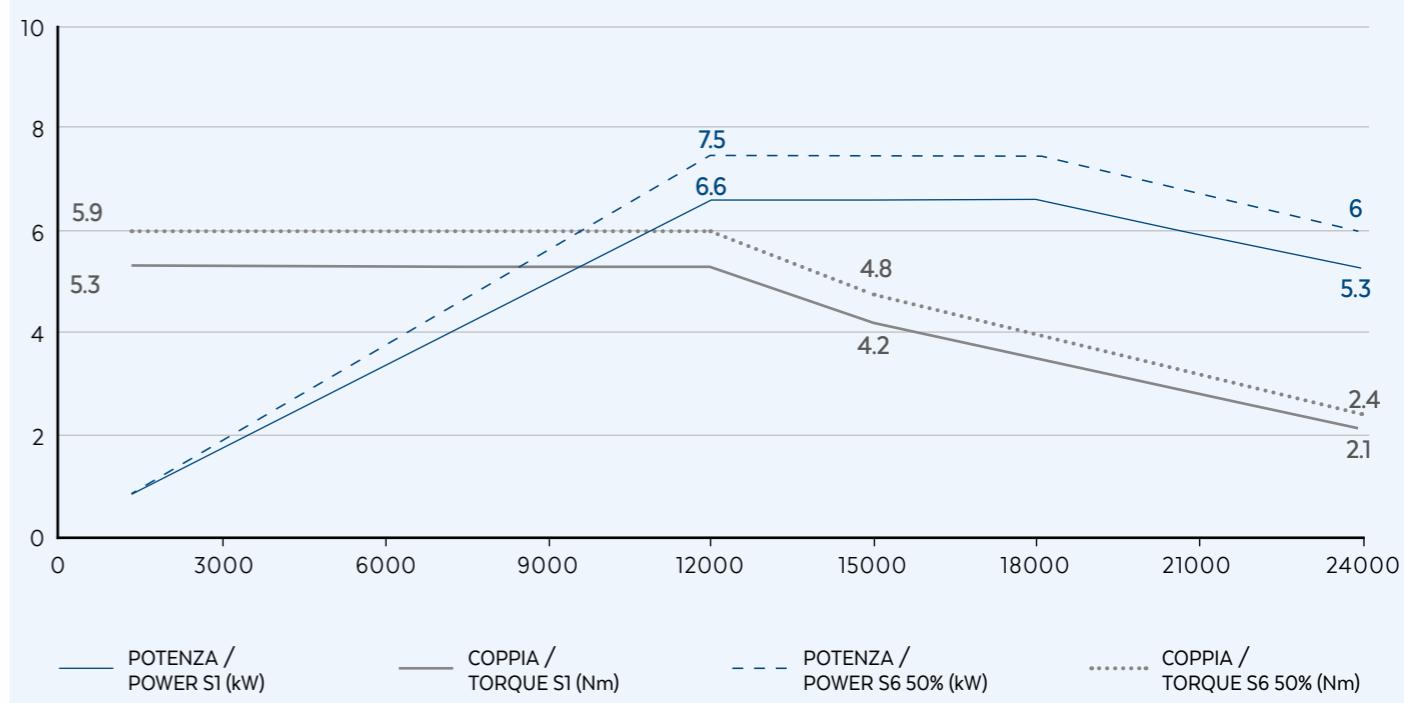
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S ₁ kW	6,6	S ₆ kW	7,5
S ₁ Nm	5,3	S ₆ Nm	5,9
S ₁ A	14,5	S ₆ A	16
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	21		

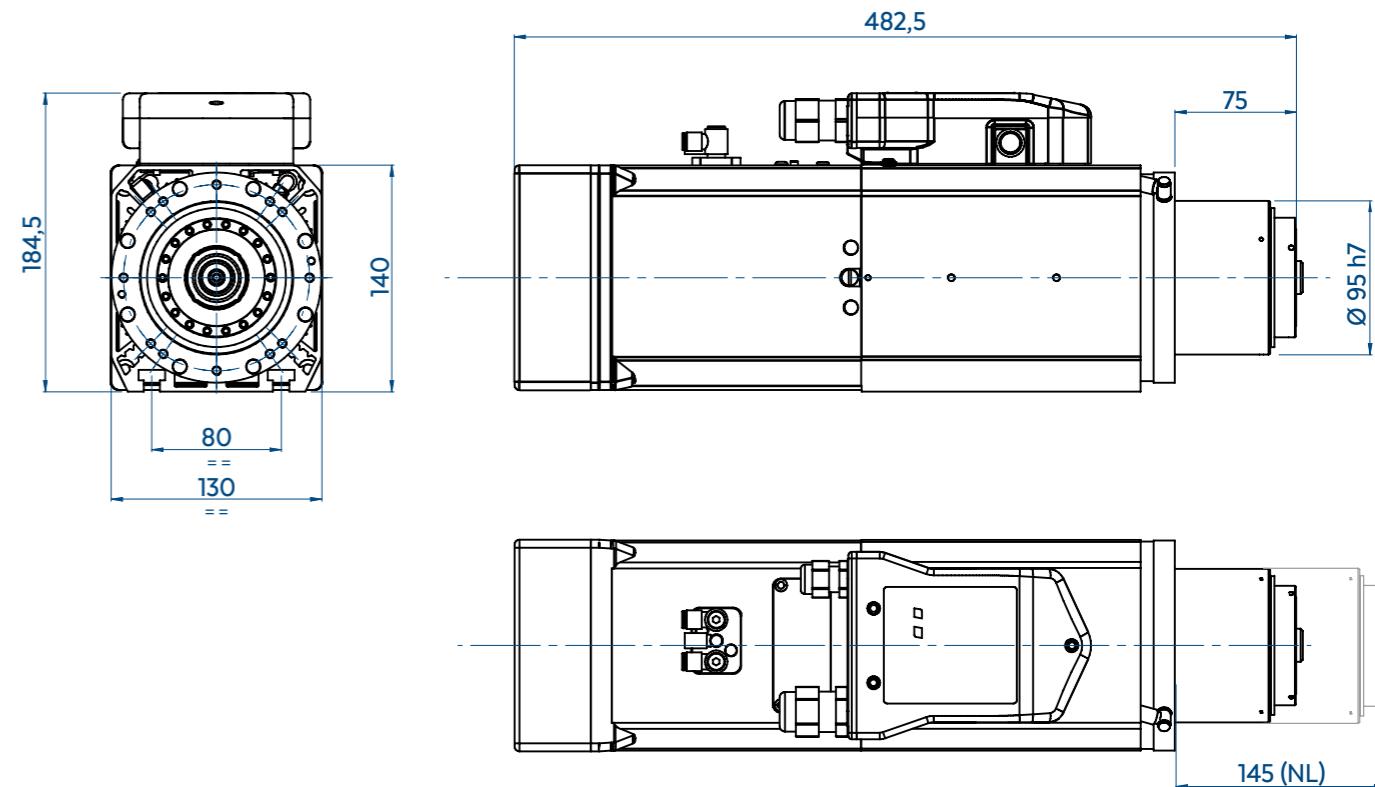
EQUIPAGGIAMENTO EQUIPMENT

	ISO 30
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento con elettroventola Electrofan cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	CC circular connector Male
	CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 6.6/12 24 63F NC CB



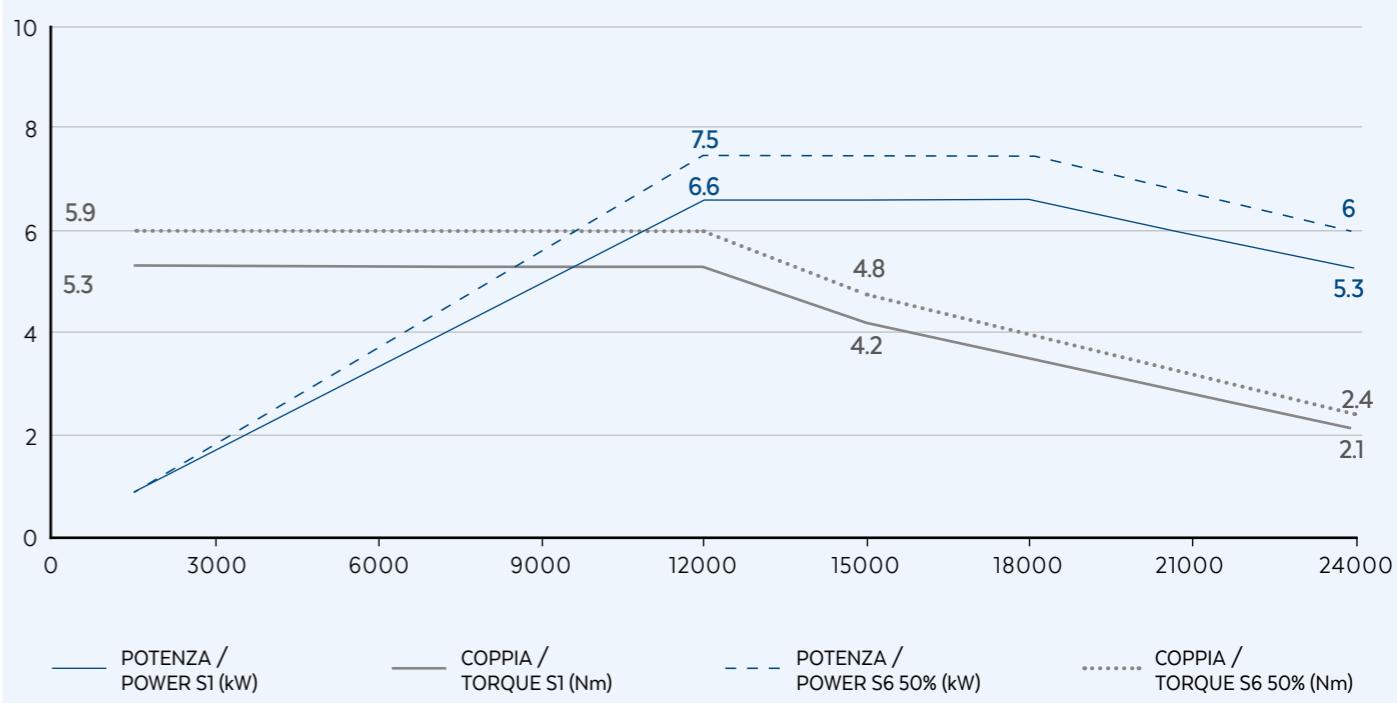
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	6,6
S6	kW	7,5
S1	Nm	5,3
S6	Nm	5,9
S1	A	14,5
S6	A	16
Volt		380
Pol	es	4
Supply		inverter
rpm		24000
kg		21

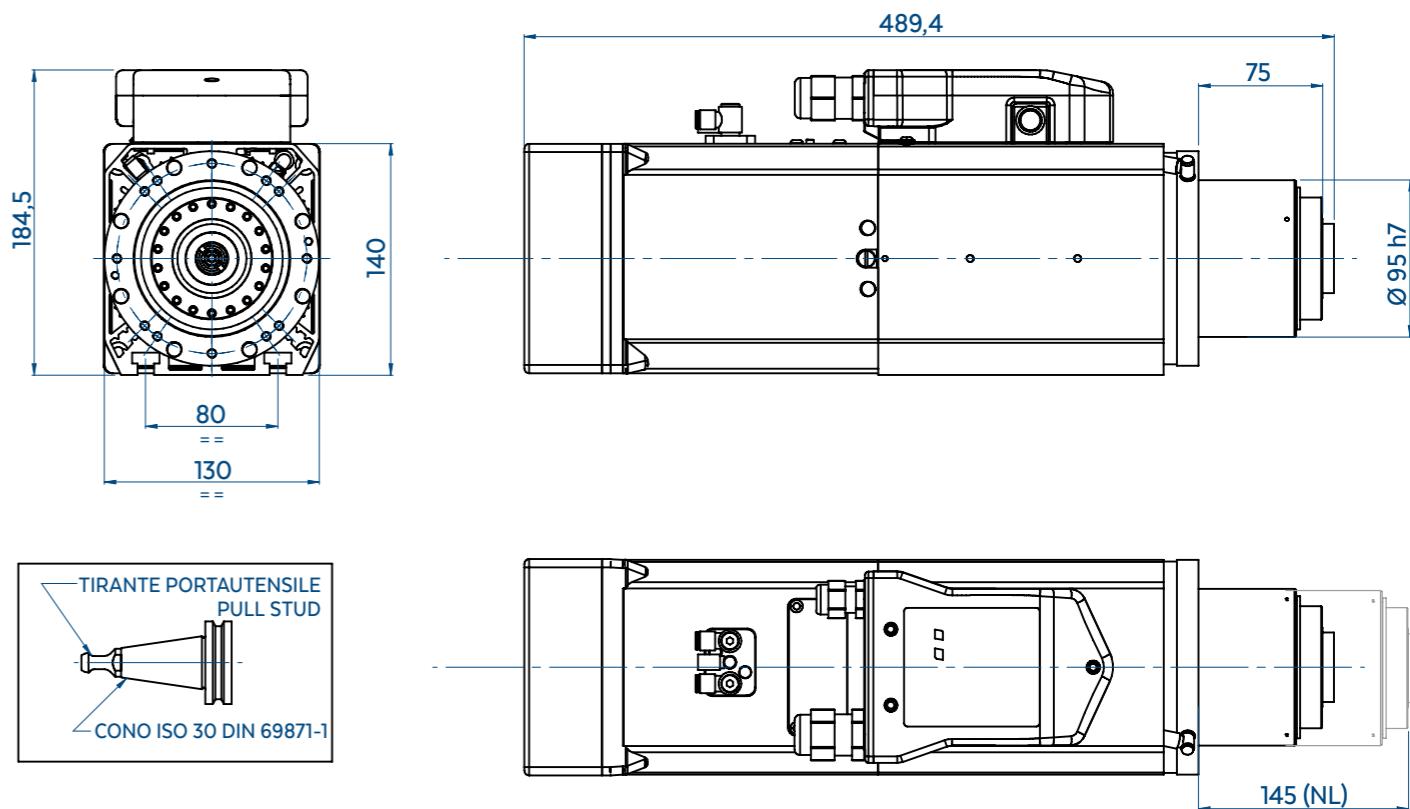
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento con elettroventola Electrofan cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	CC circular connector Male
	Air tool
	CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 8/12 24 I30 NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	8
S6	kW	9,5
S1	Nm	6,4
S6	Nm	7,6
S1	A	18,5
S6	A	20,5
Volt		380
Pol	es	4
Supply		inverter
rpm		24000
kg		21

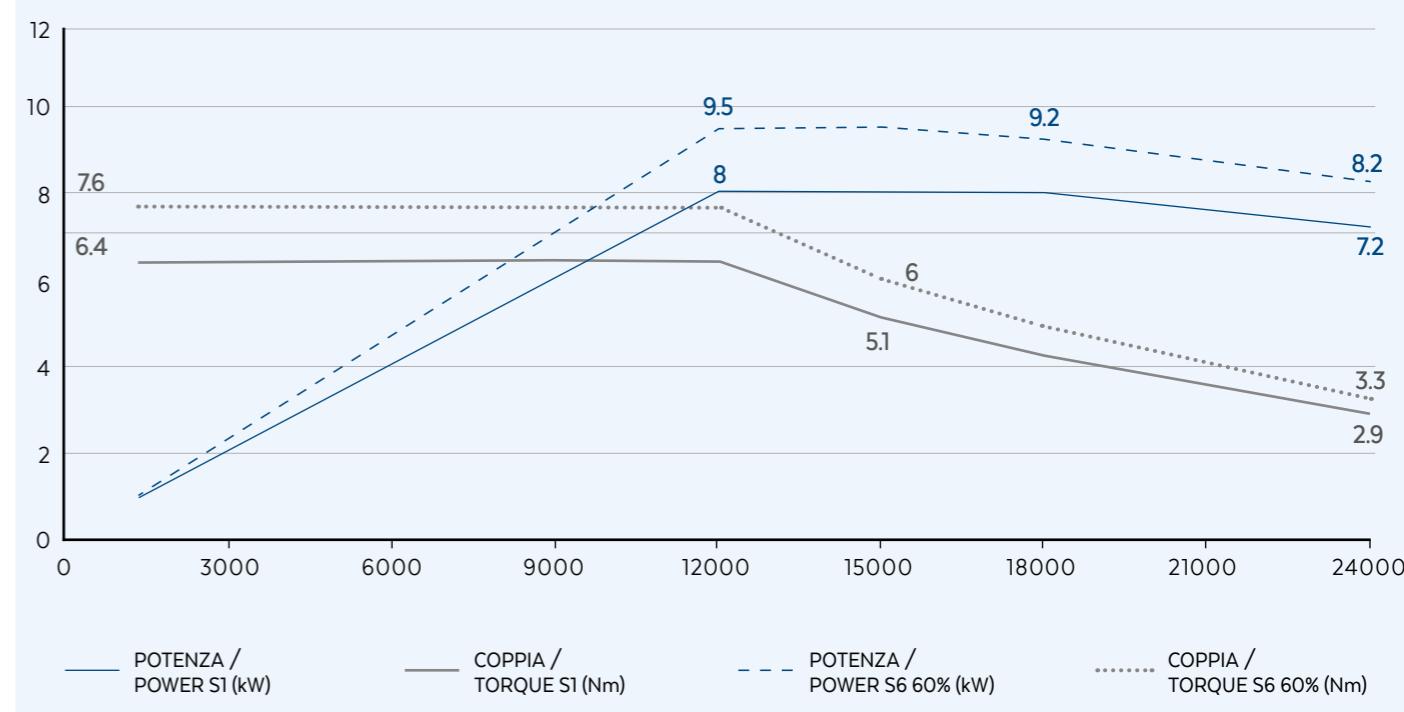
EQUIPAGGIAMENTO EQUIPMENT

- ISO 30
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

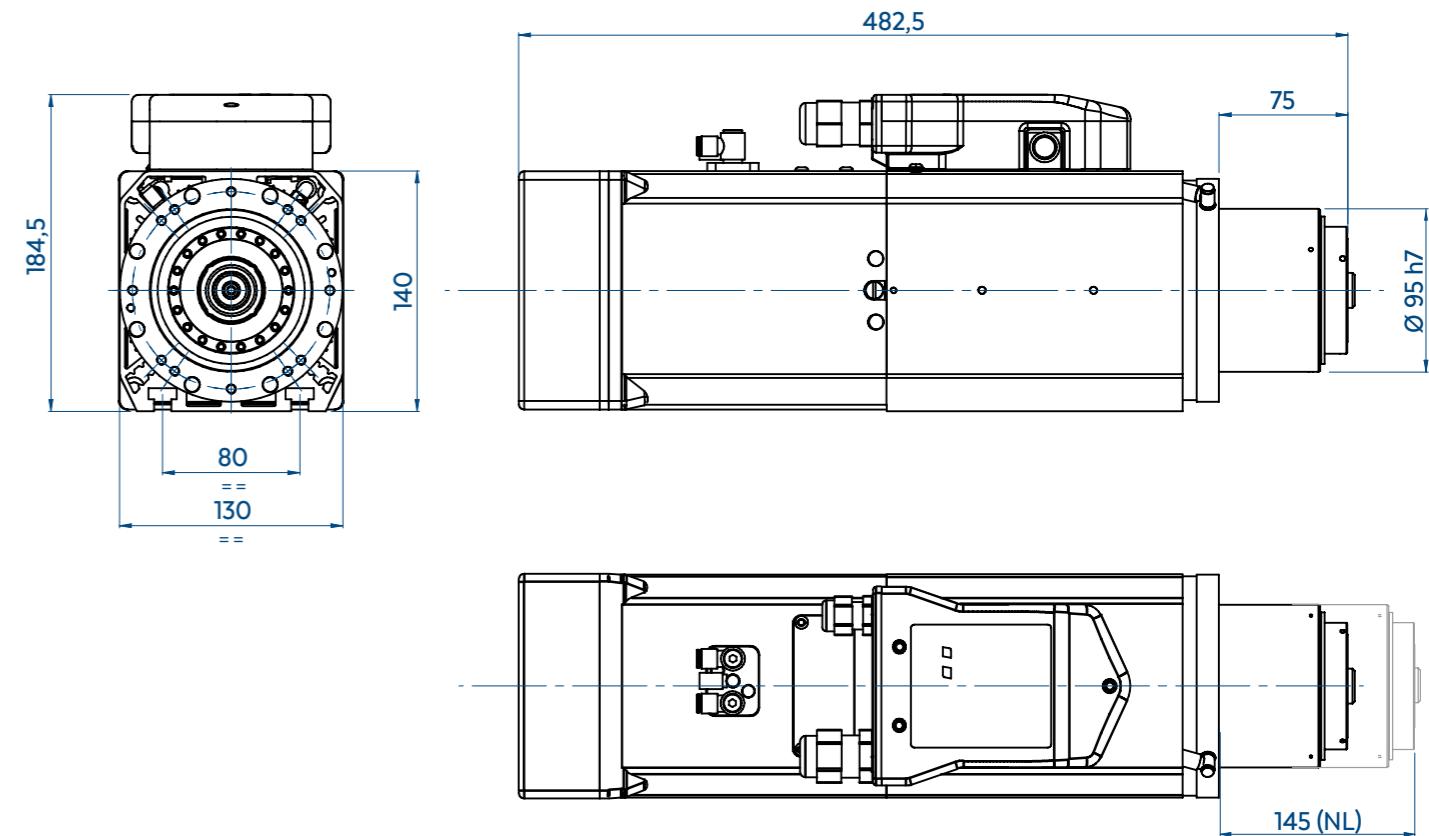
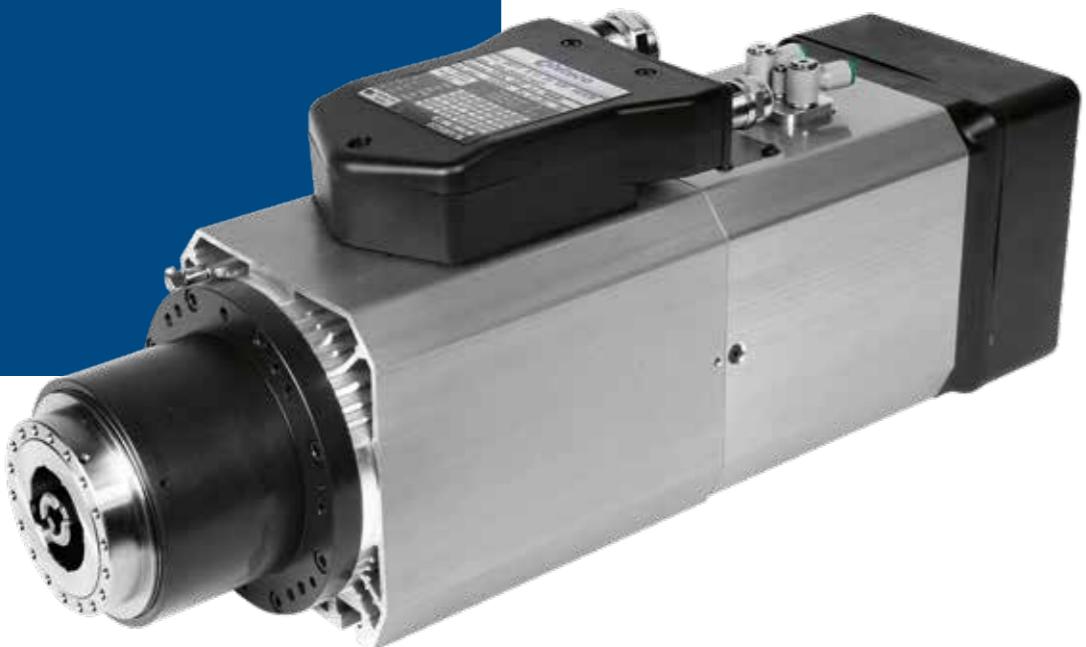
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Naso lungo
Long nose
- CC circular connector Male
- Dual voltage 220V-380V
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 8/12 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	8	S6 kW	9,5
S1 Nm	6,4	S6 Nm	7,6
S1 A	18,5	S6 A	20,5
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	21		

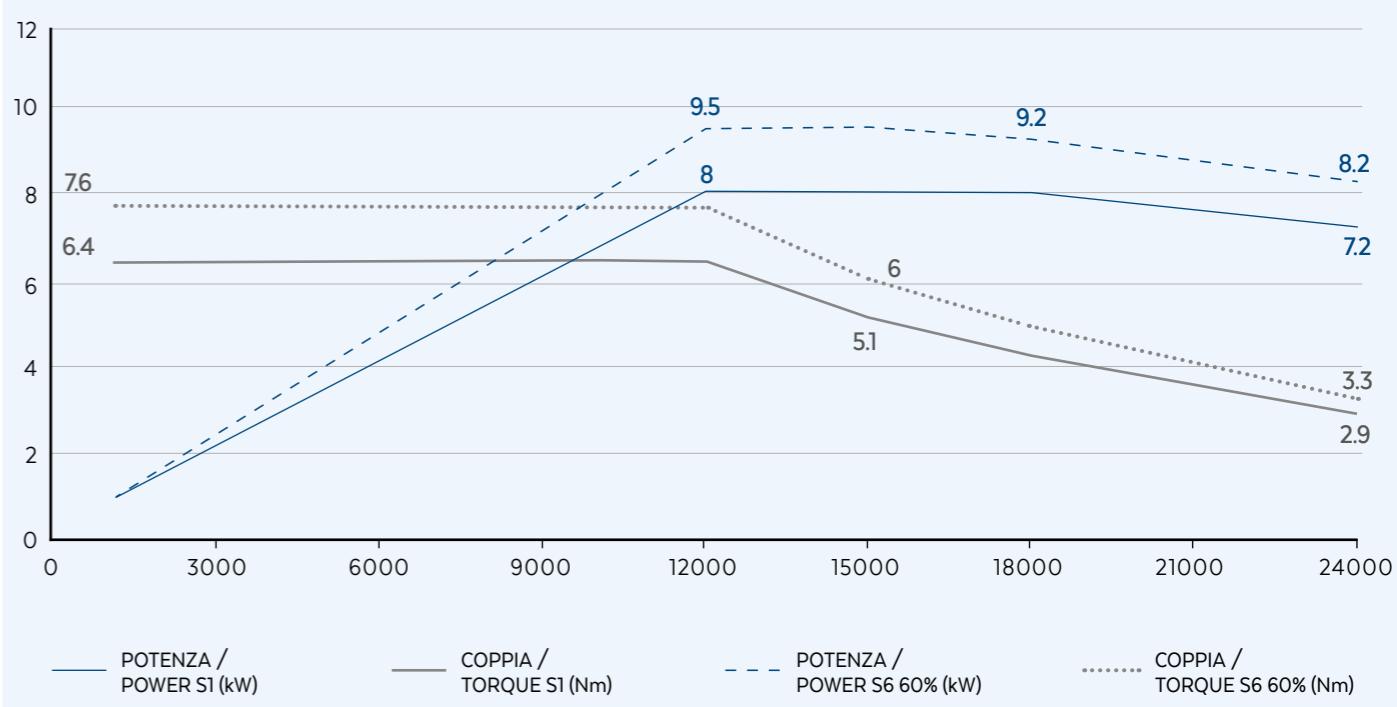
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

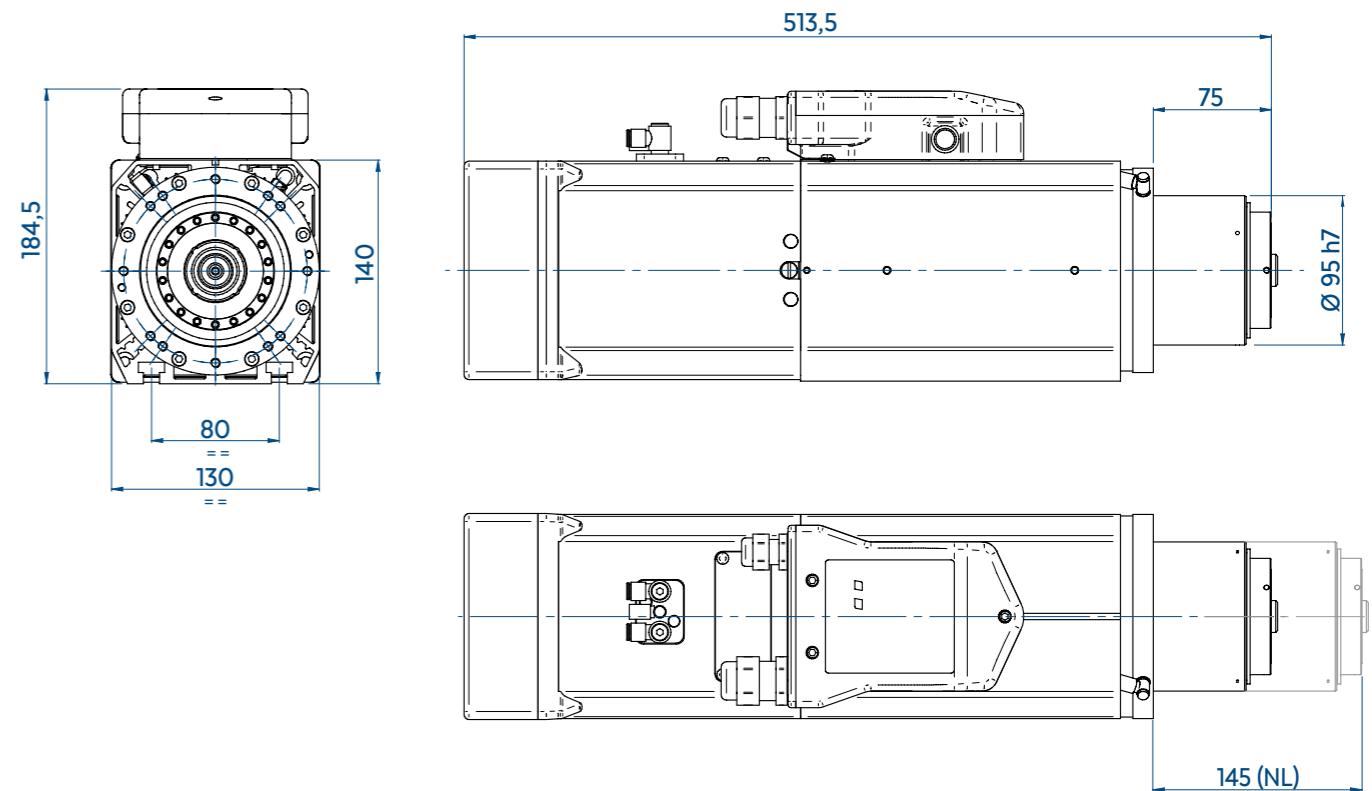
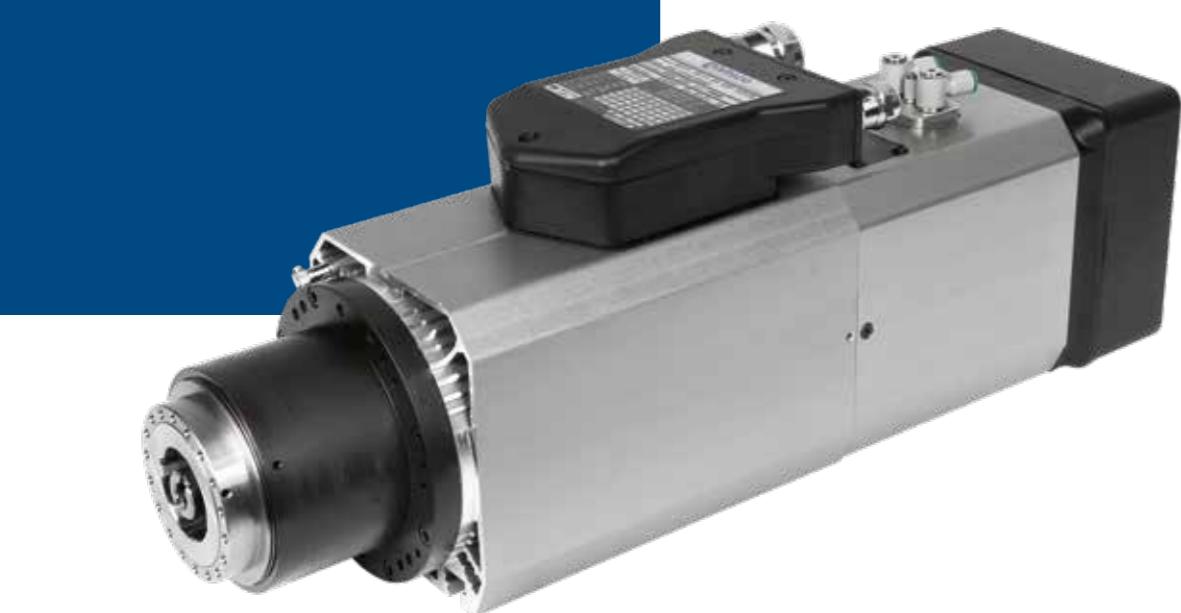
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Naso lungo
Long nose
- CC circular connector Male
- Air tool
- CC circular connector Female (machine side)
- Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QE-1F 8,5/12 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	8,5
S6	kW	11
S1	Nm	8
S6	Nm	8,8
S1	A	22
S6	A	23
Volt		380
Pol		4
Supply		inverter
rpm		24000
kg		23

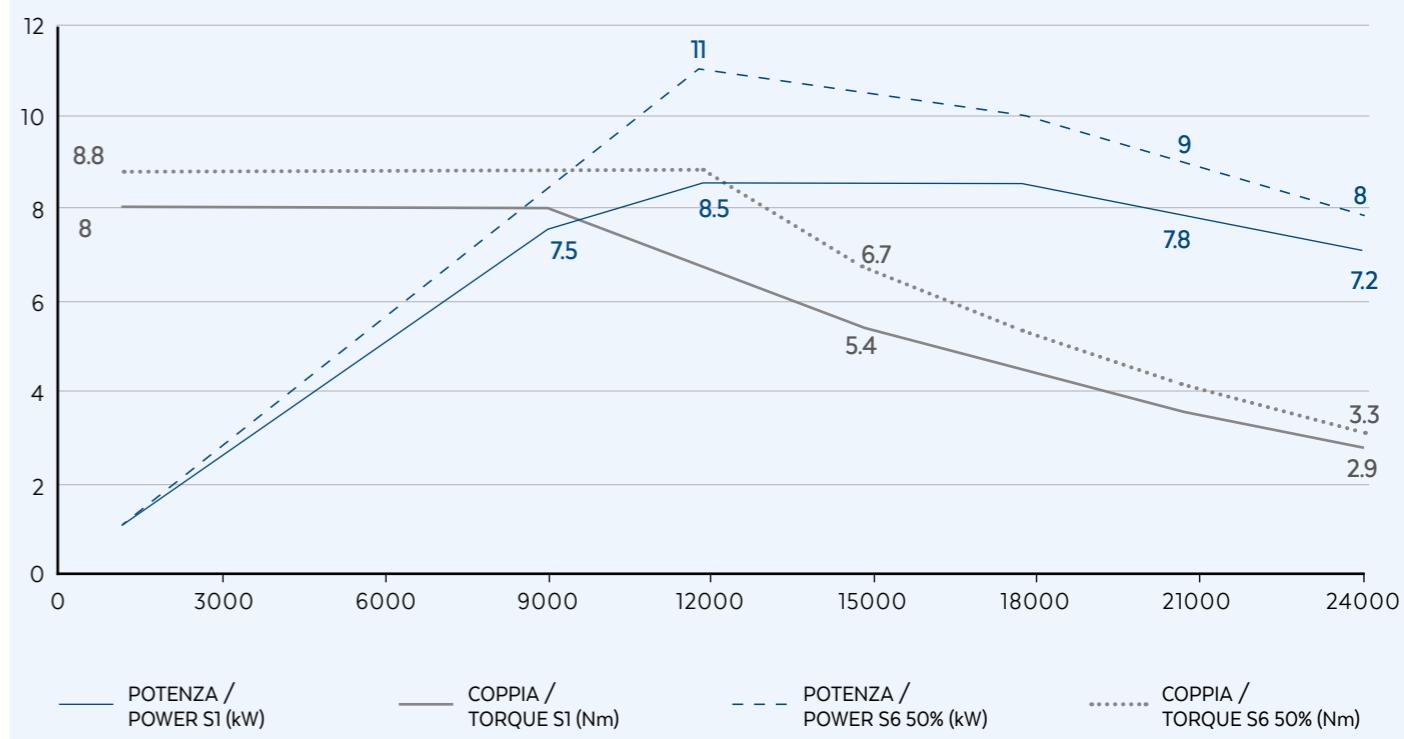
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

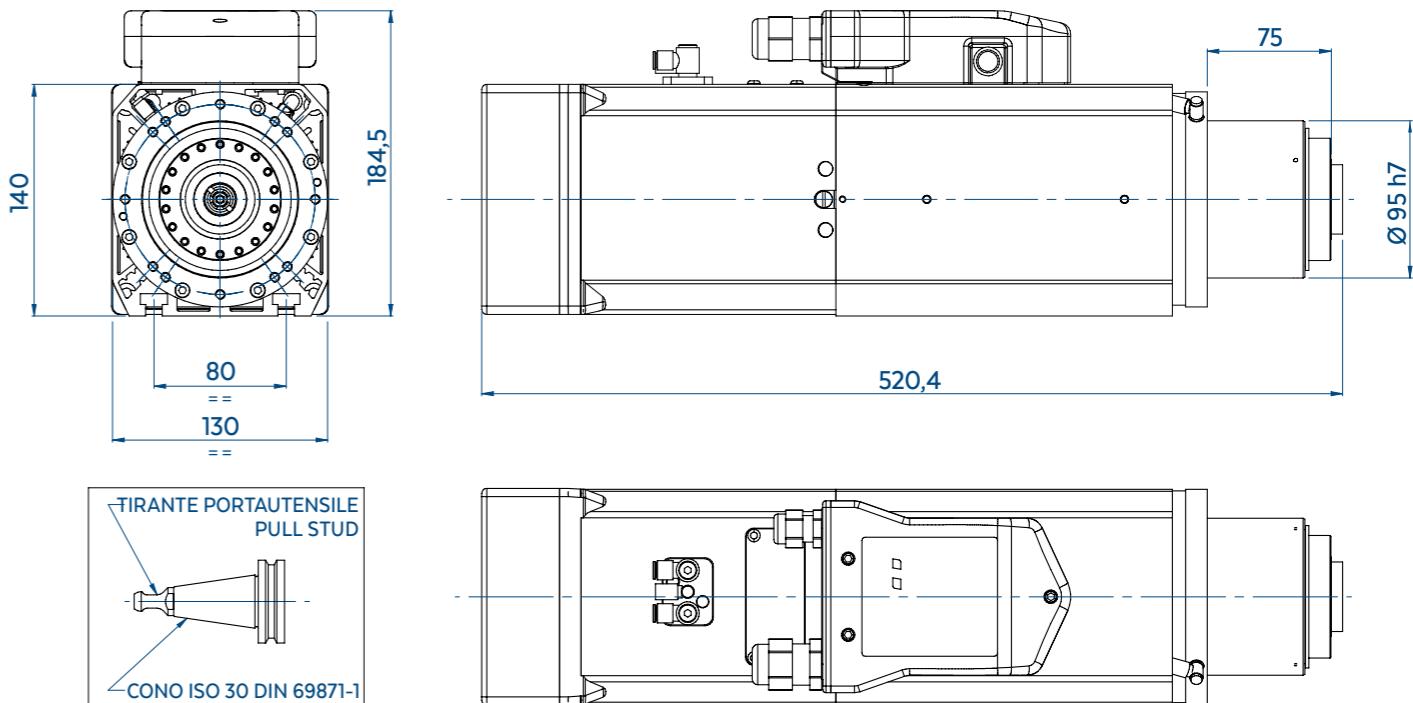
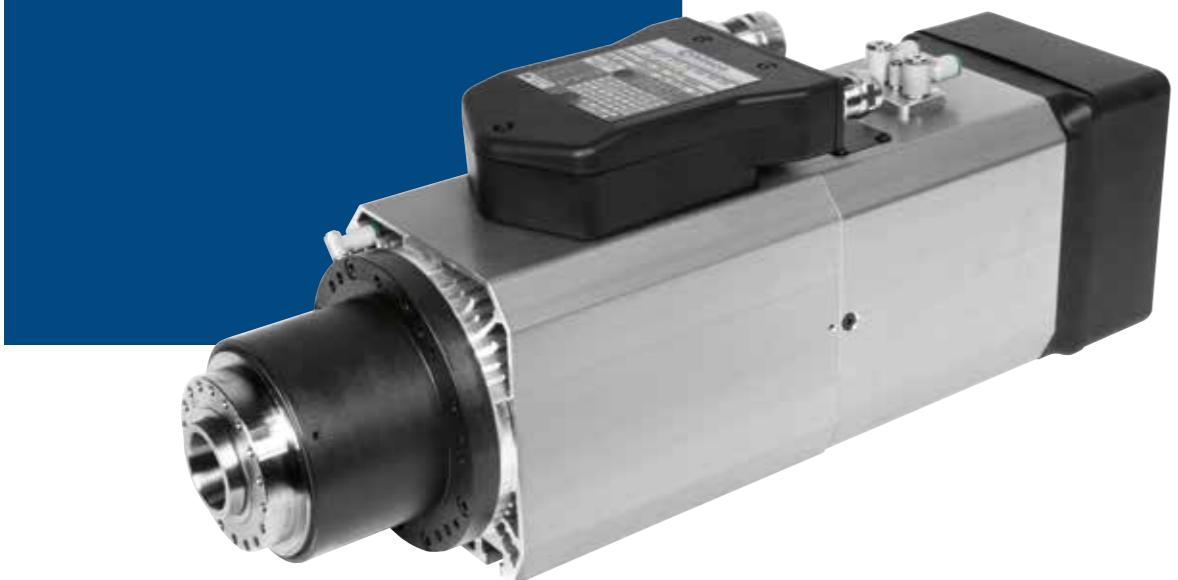
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Naso lungo
Long nose
- CC circular connector Male
- Air tool
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 10/11 24 I30 NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	10	S6 kW	12
S1 Nm	10,8	S6 Nm	11,5
S1 A	25	S6 A	27
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	23		

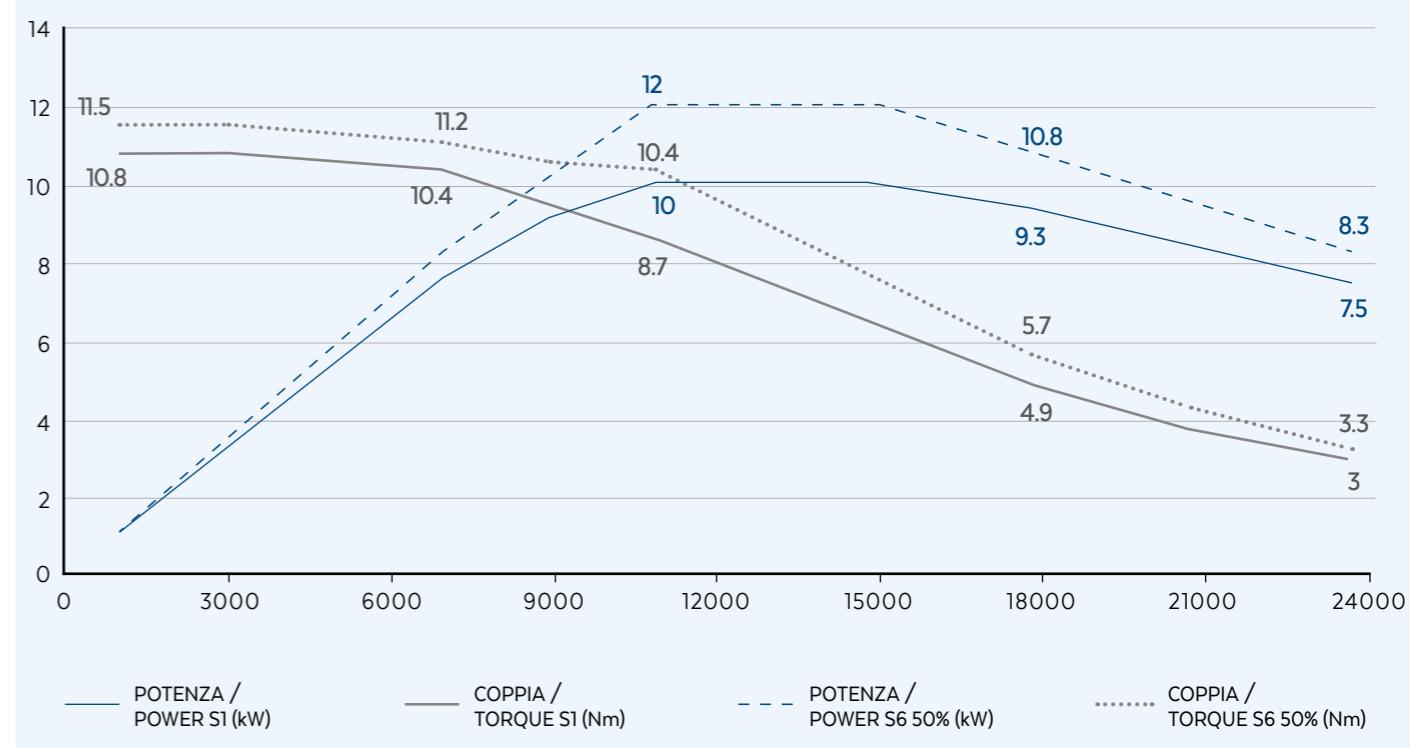
EQUIPAGGIAMENTO EQUIPMENT

- ISO 30
- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento con elettroventola Electrofan cooling

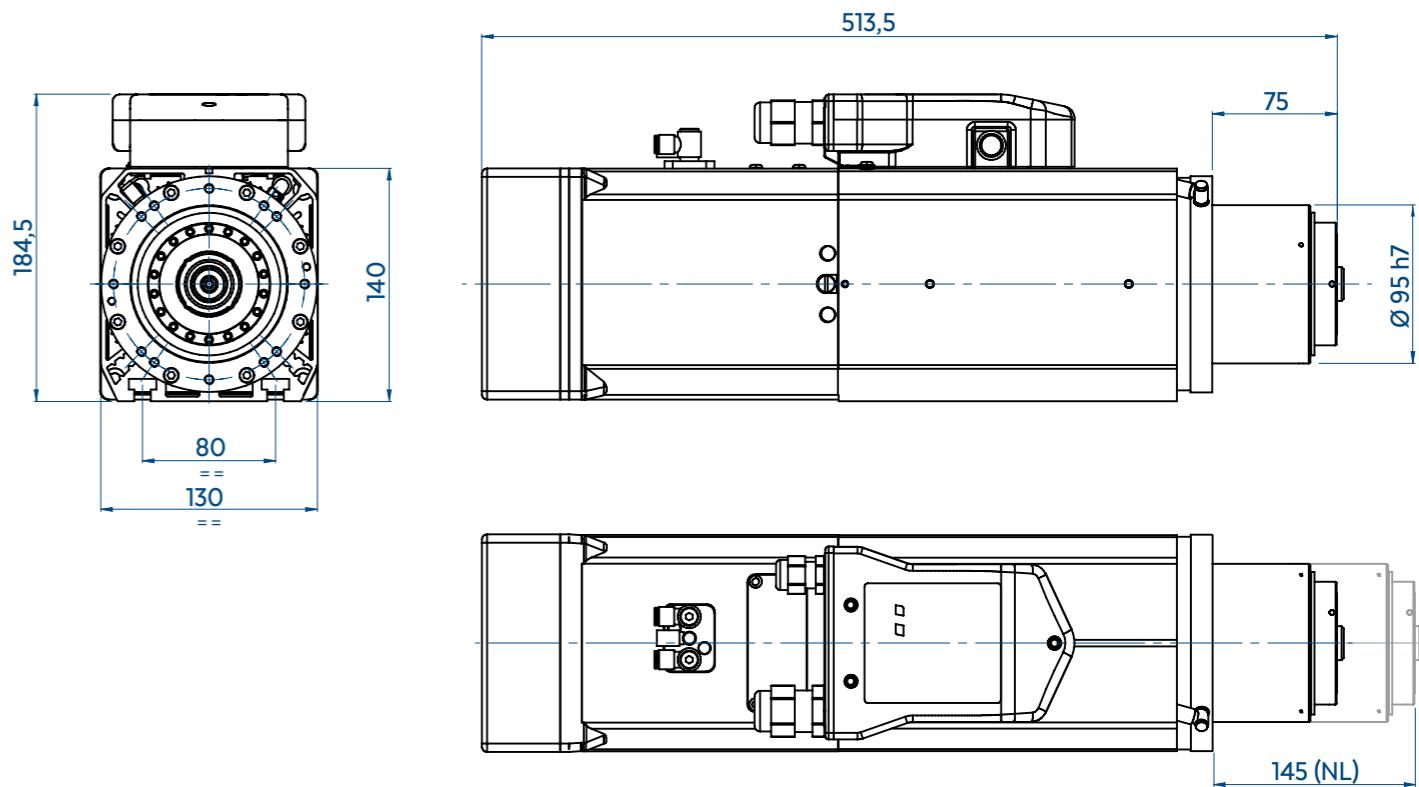
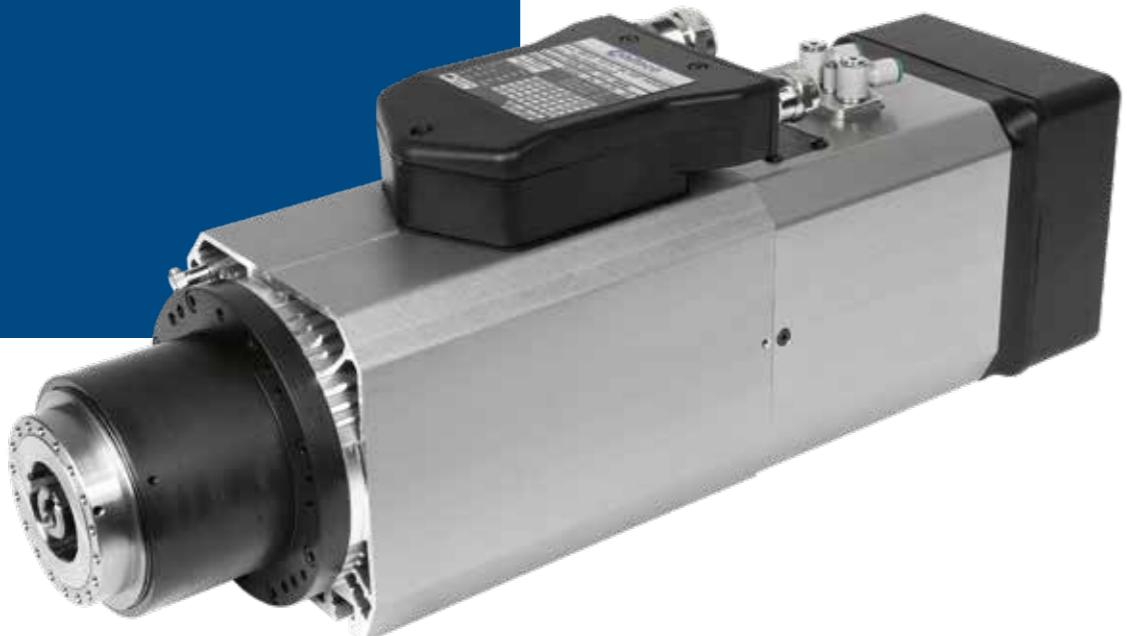
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Voltage 220V
- CC circular connector Male
- Dual voltage 220V-380V
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 10/11 24 63F NC CB



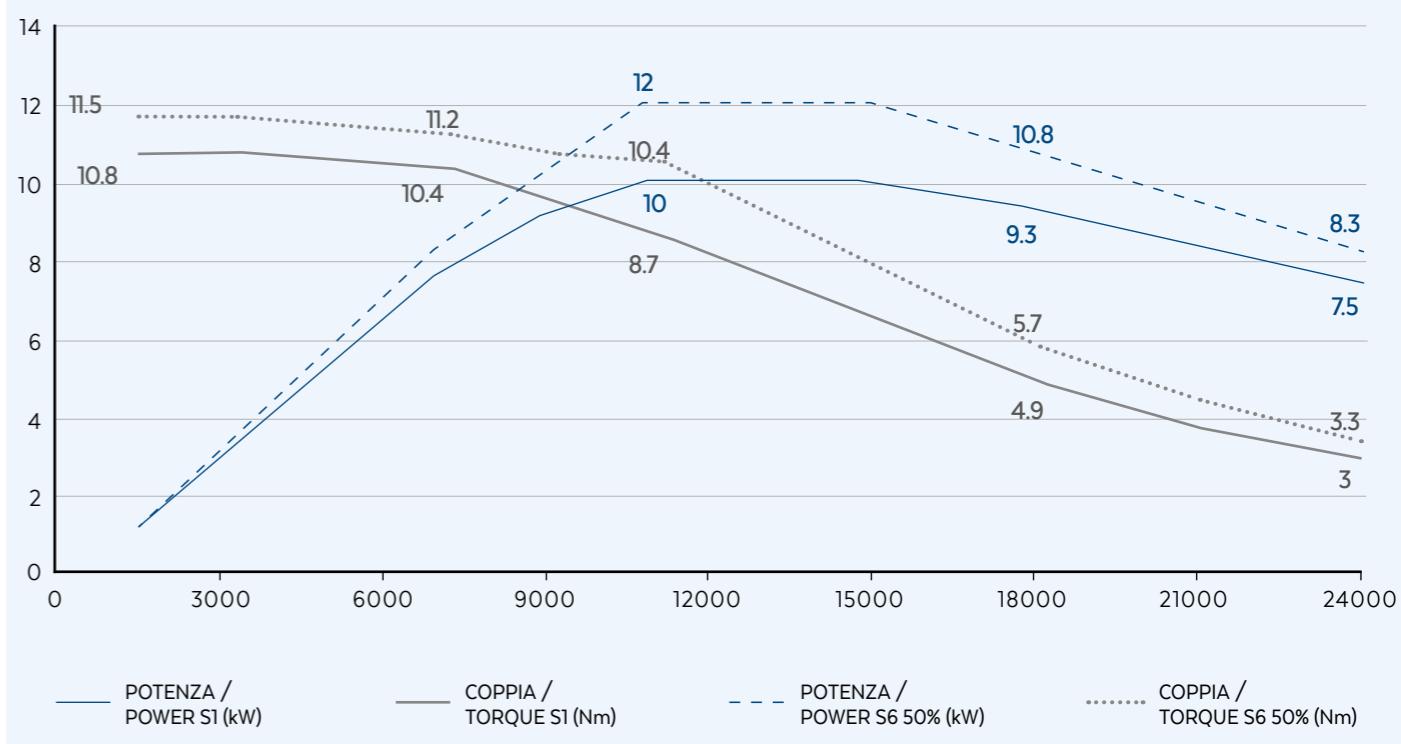
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	10	S6 kW	12
S1 Nm	10,8	S6 Nm	11,5
S1 A	25	S6 A	27
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	23		

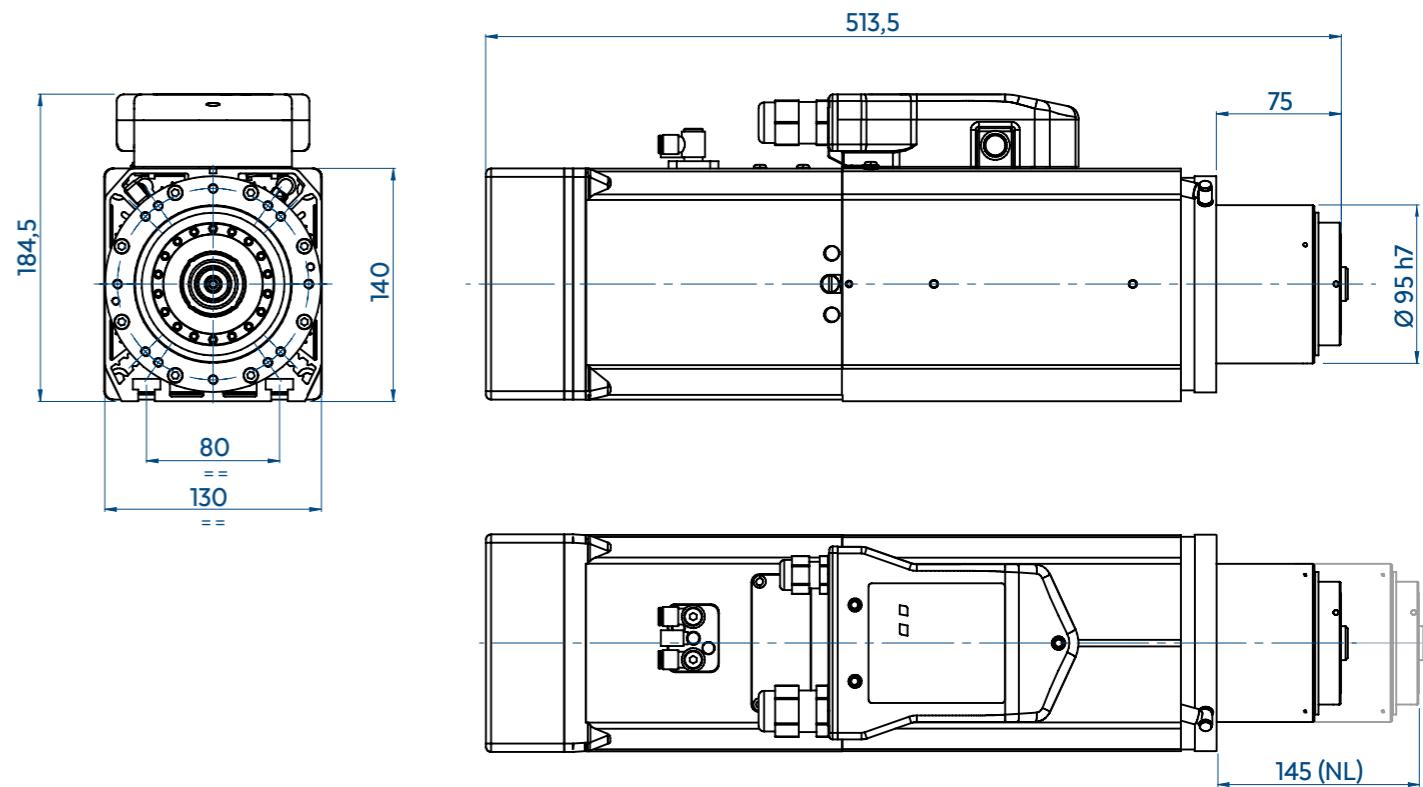
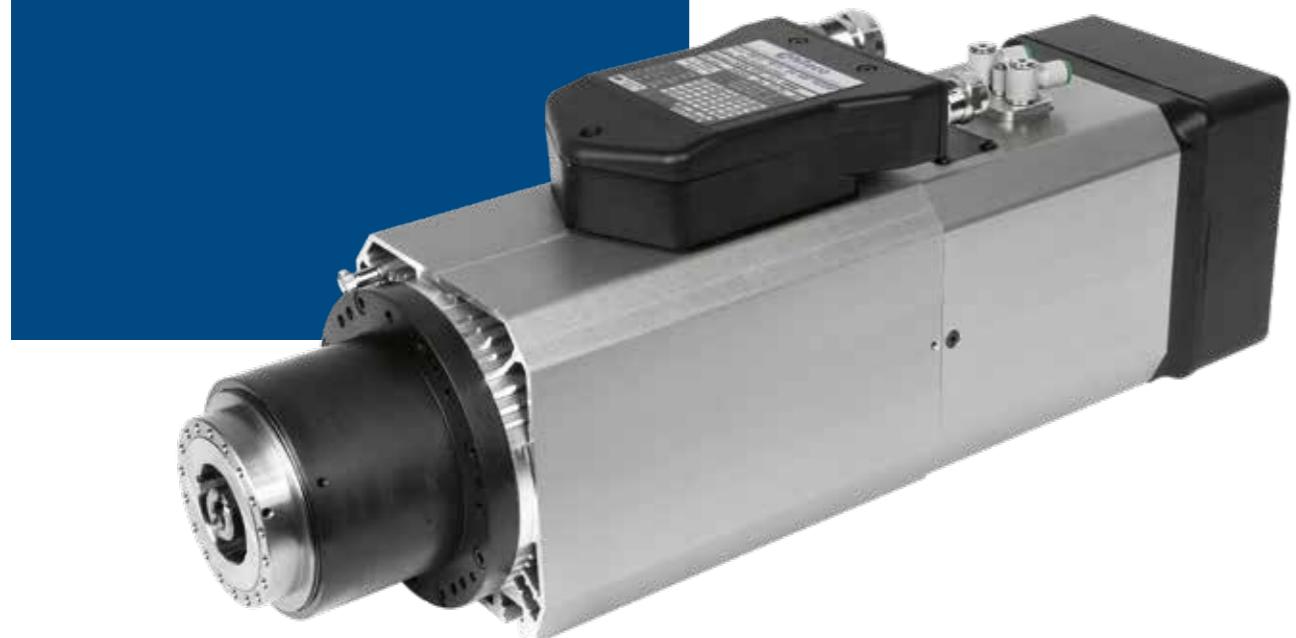
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento con elettroventola Electrofan cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Voltage 220V Dual voltage 220V-380V
	CC circular connector Male
	Air tool
	Naso lungo Long nose

PRESTAZIONI PERFORMANCES



QE-1F 12/12 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	12
S6	kW	14
S1	Nm	10,9
S6	Nm	11,6
S1	A	23
S6	A	27
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		23

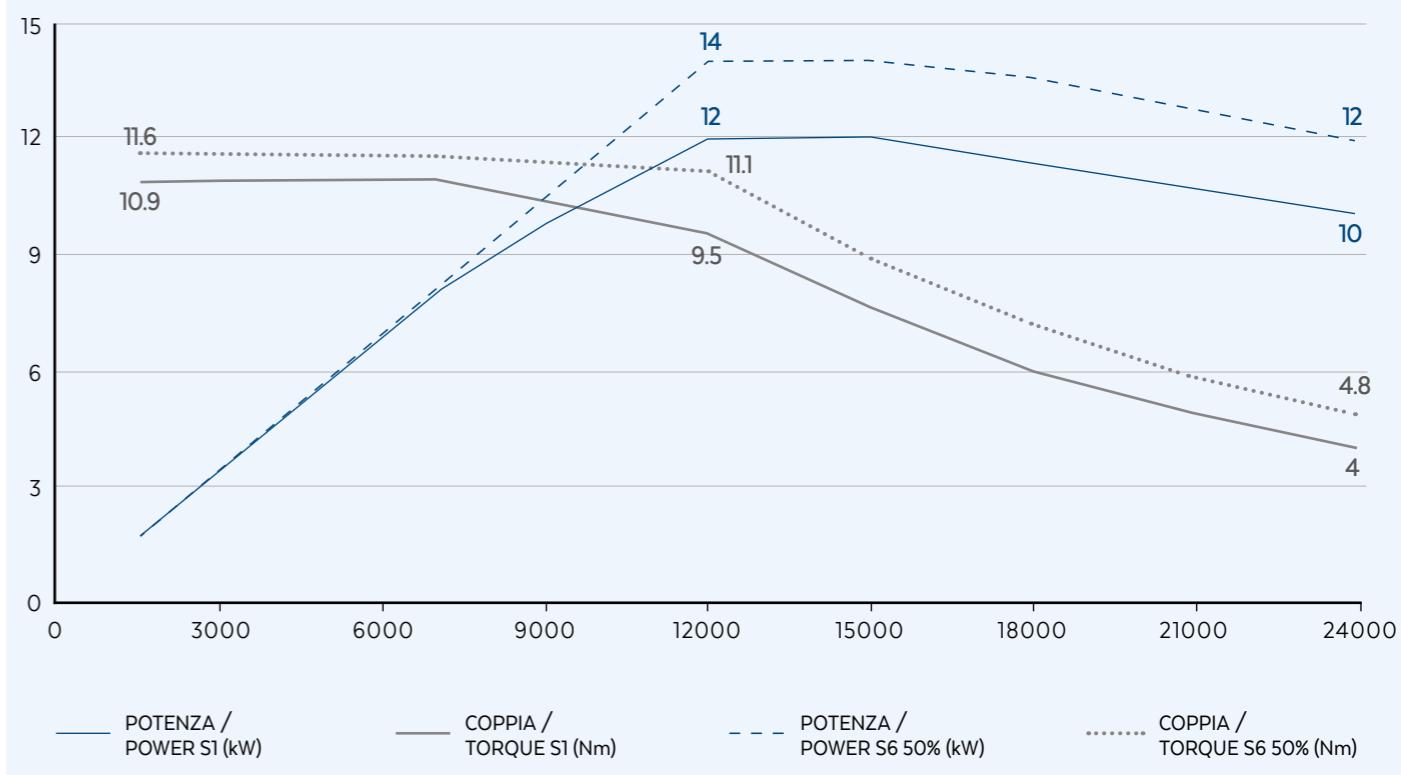
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

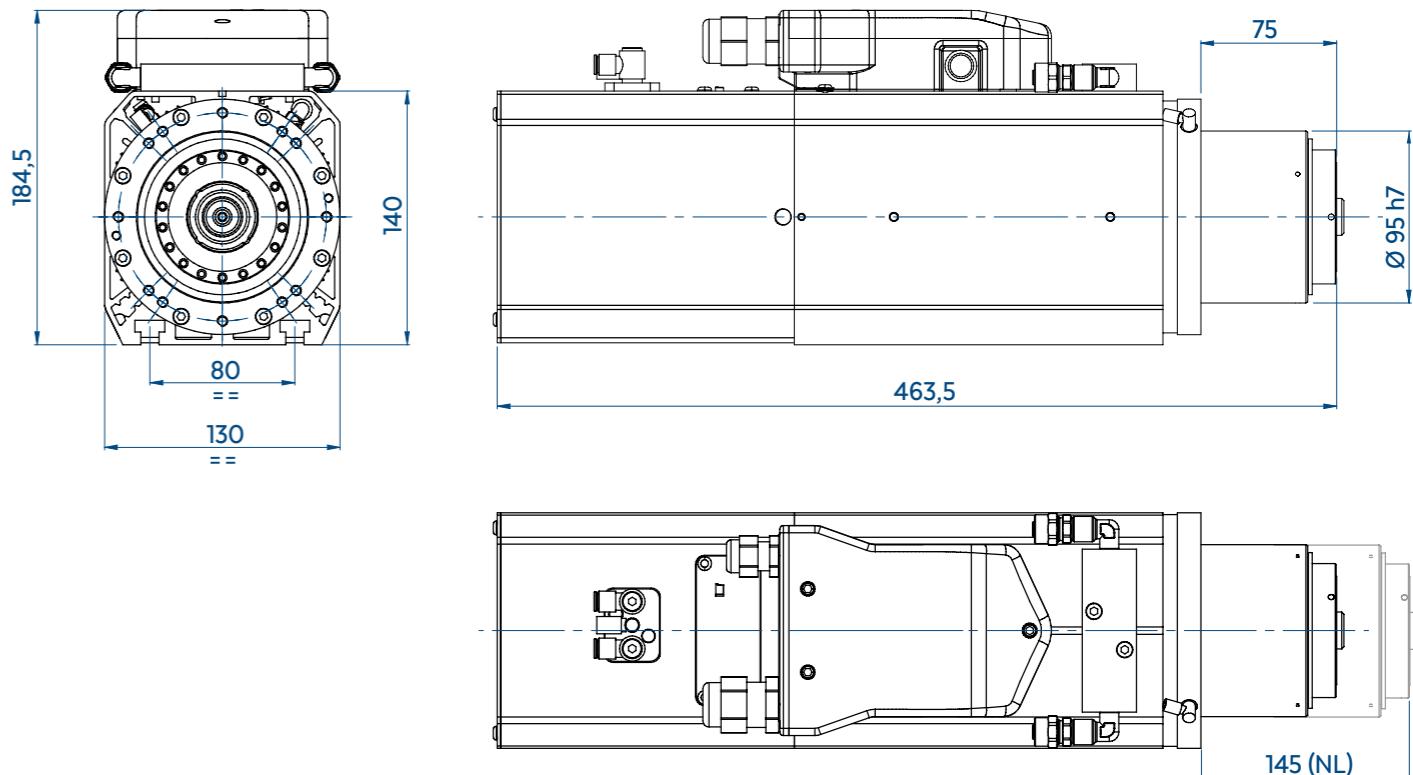
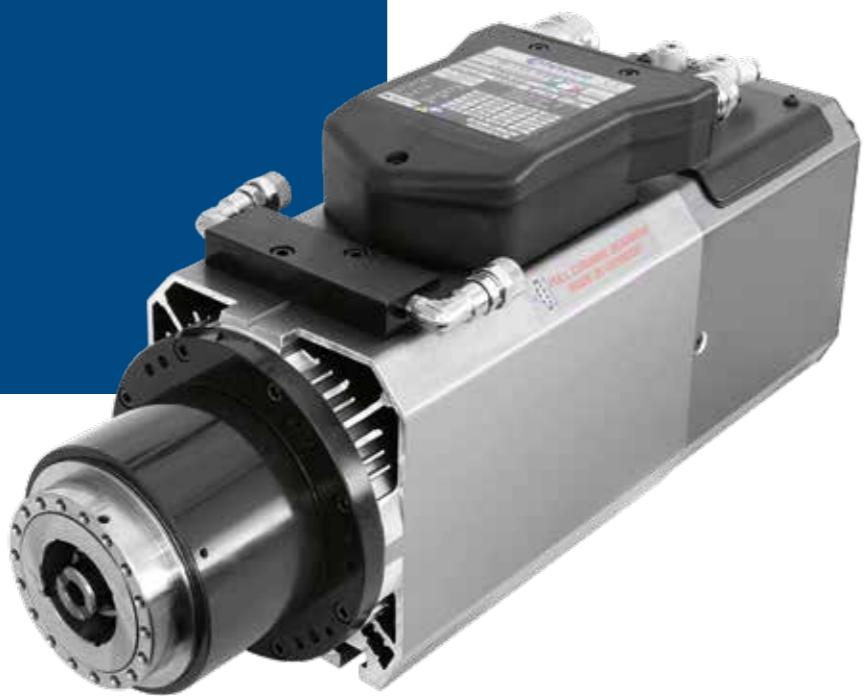
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Air tool
- CC circular connector Male
- Naso lungo Long nose
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-2 13/12 24 63F NC CB



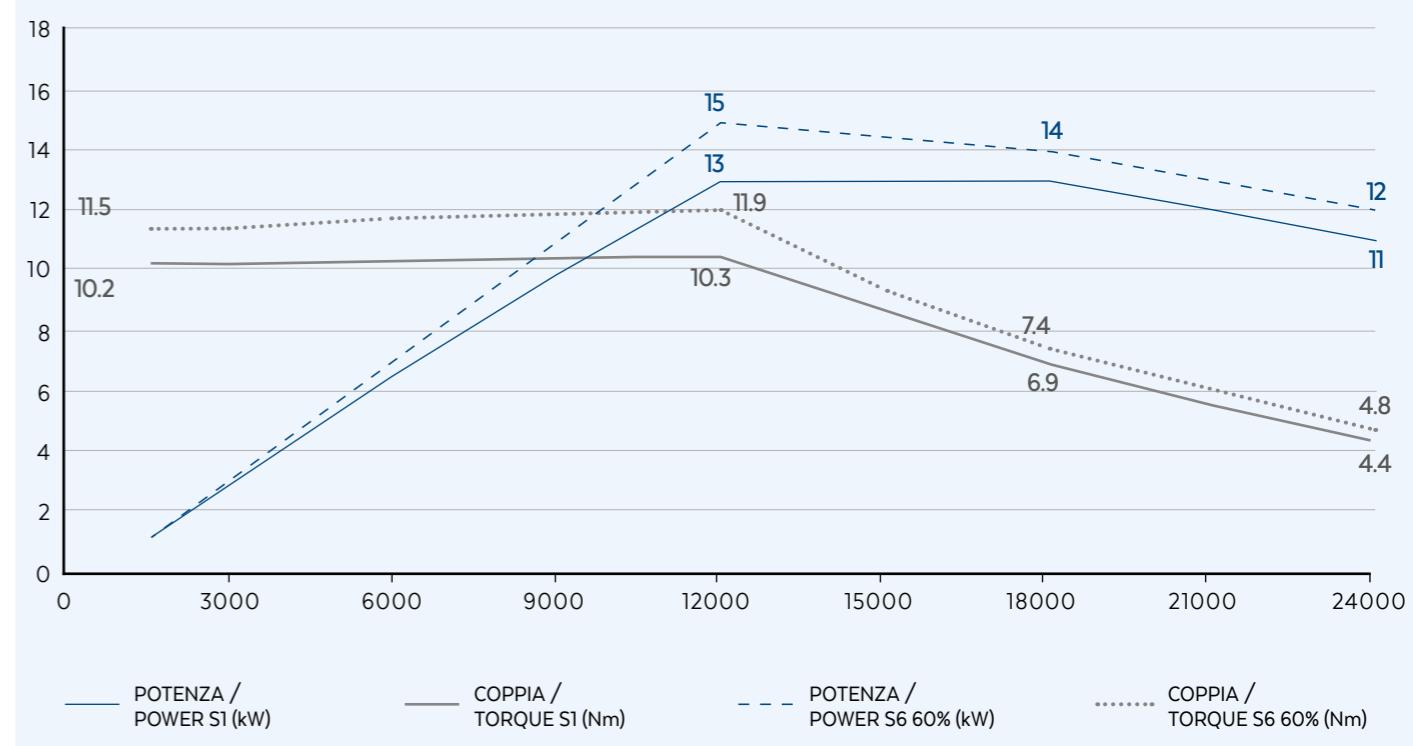
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	13
S6	kW	15
S1	Nm	10,3
S6	Nm	11,9
S1	A	28
S6	A	31
Volt		380
Pol		4
Supply		inverter
rpm		24000
kg		23

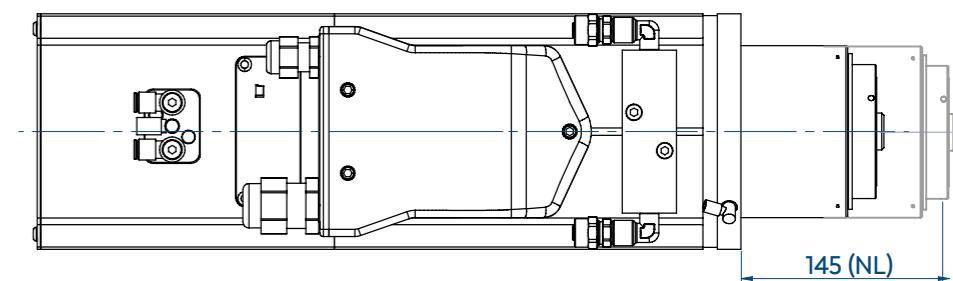
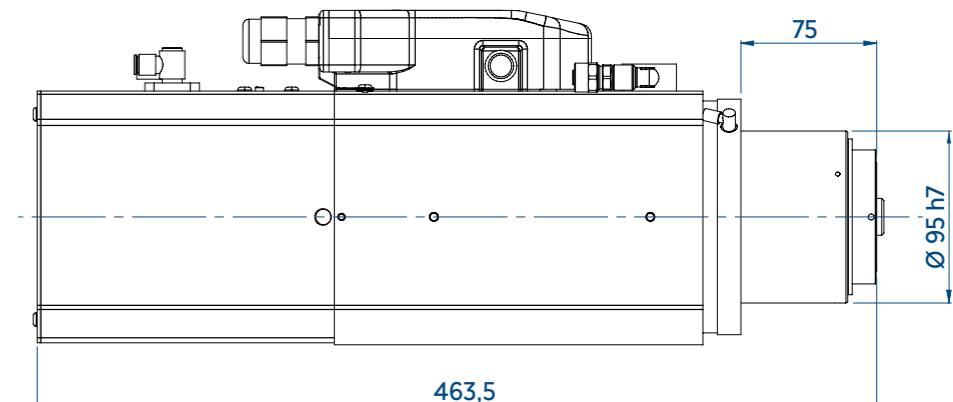
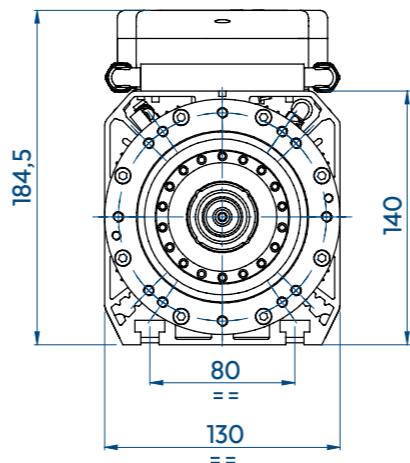
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	CC circular connector Male
	Air tool
	CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-2 16/12 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	16
S6	kW	19,5
S1	Nm	12,7
S6	Nm	15,5
S1	A	31
S6	A	36
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		23

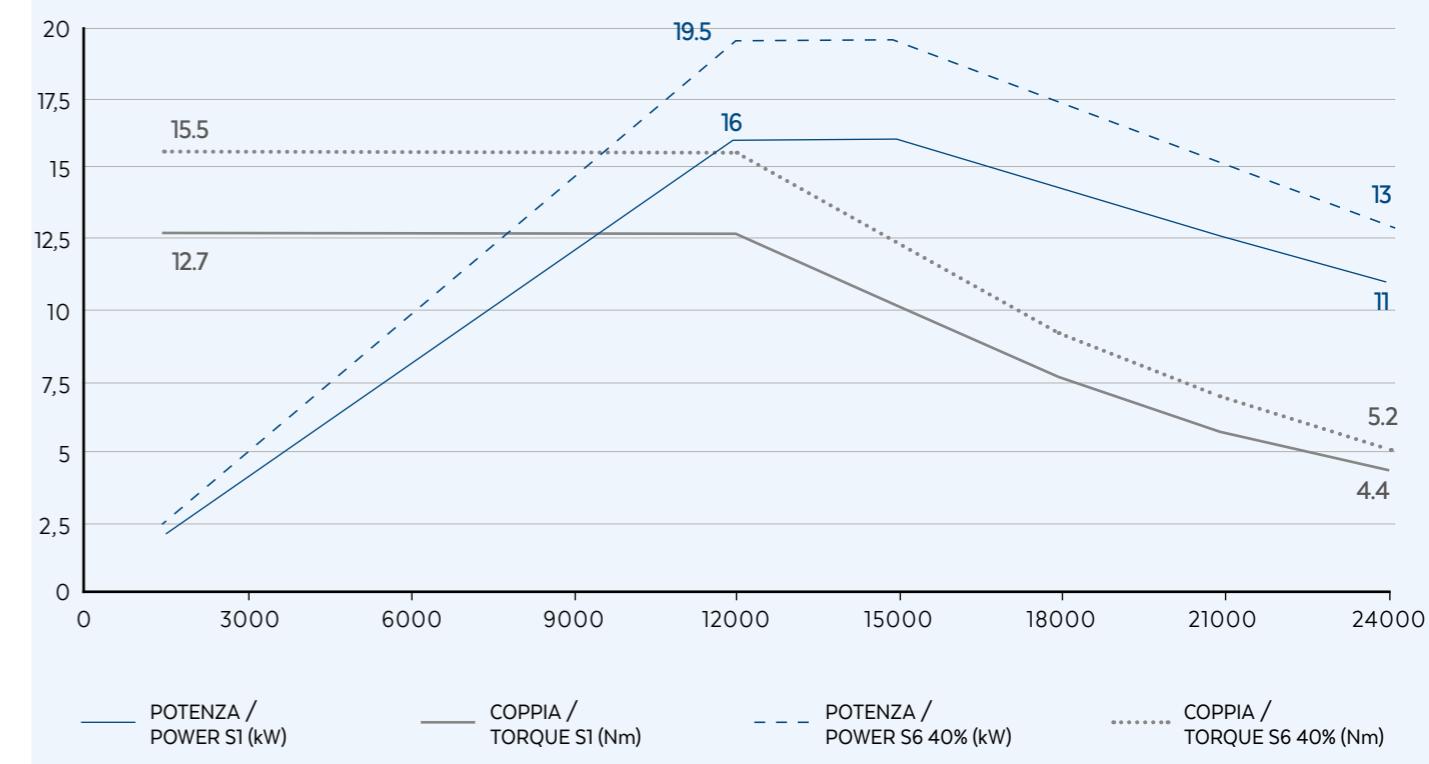
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

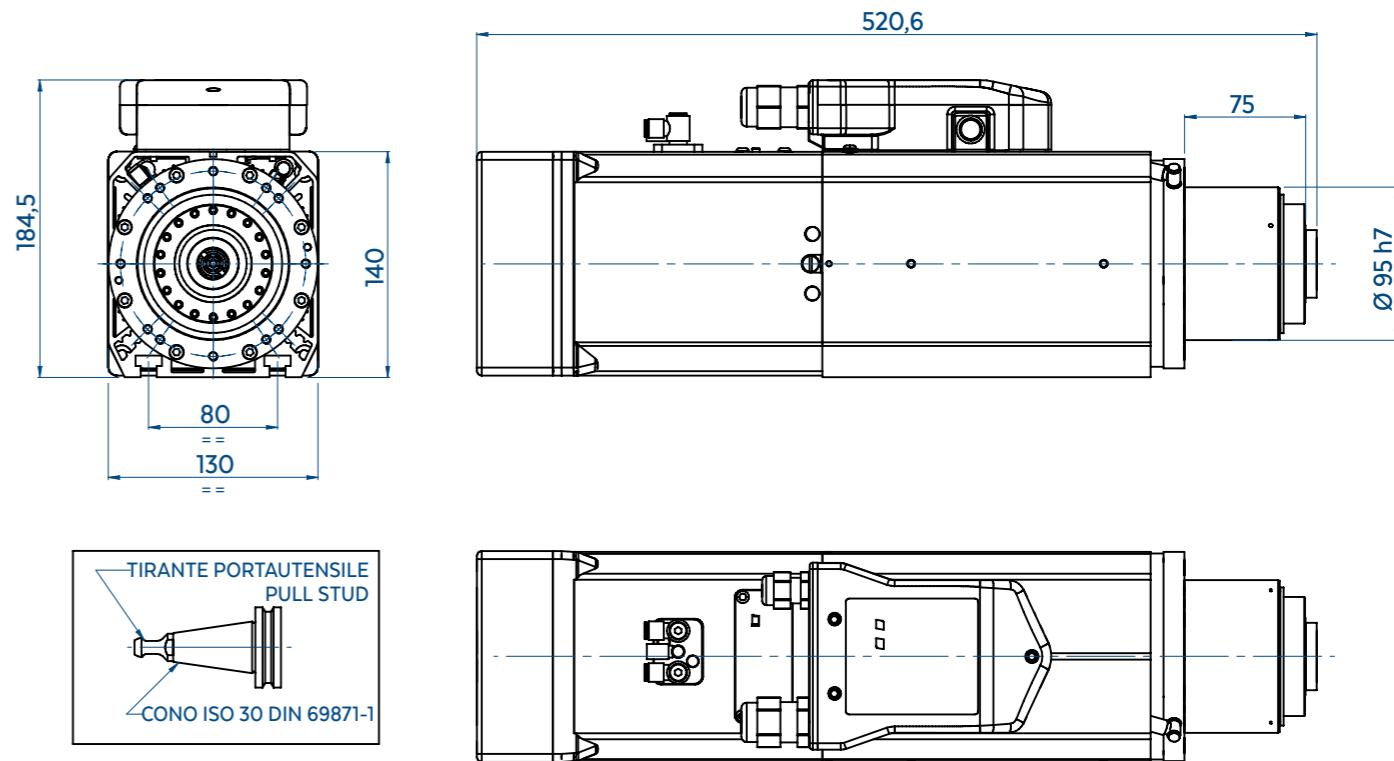
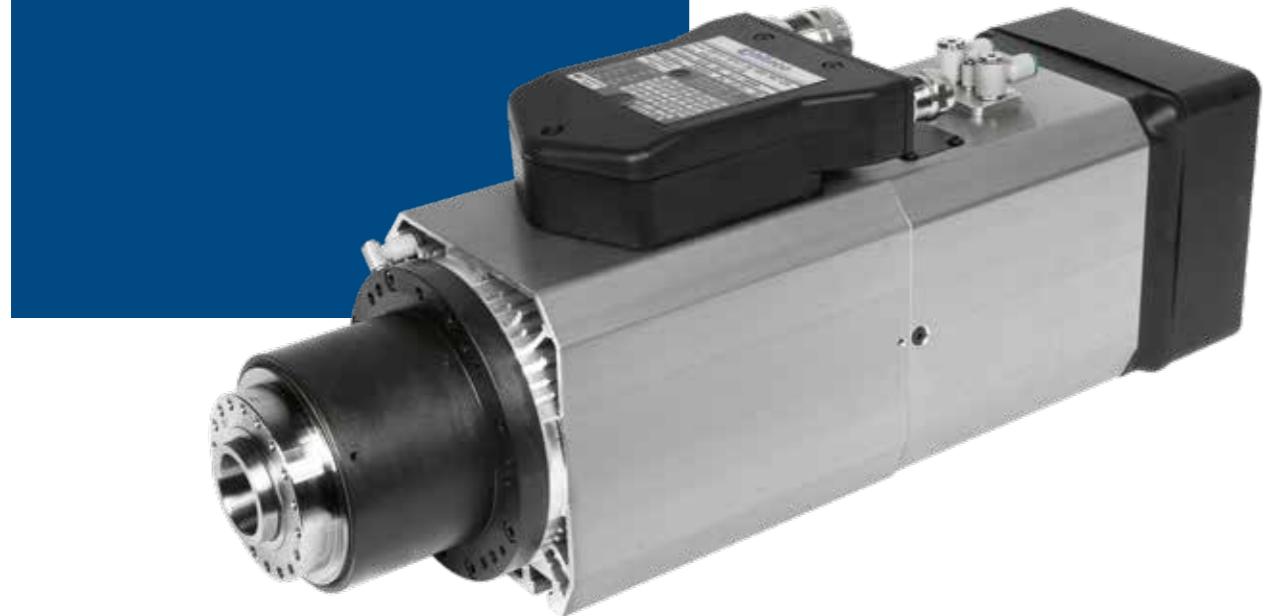
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Naso lungo Long nose
- PP connection Male
- Air tool
- PP connection Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 5.5/6 20 I30 NC CB



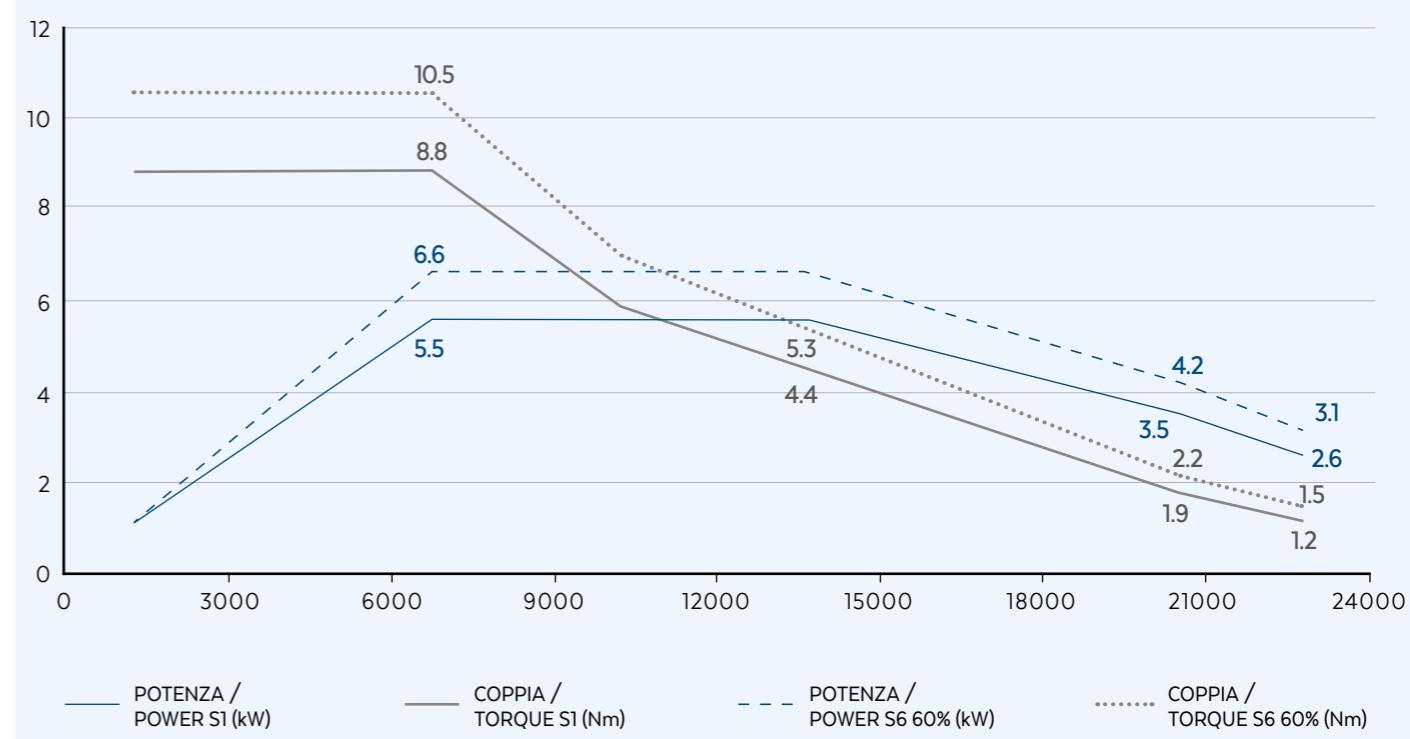
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	5,5
S6	kW	6,6
S1	Nm	8,8
S6	Nm	10,5
S1	A	12
S6	A	13
Volt		380
Poles		4
Supply		inverter
rpm		20000
kg		24

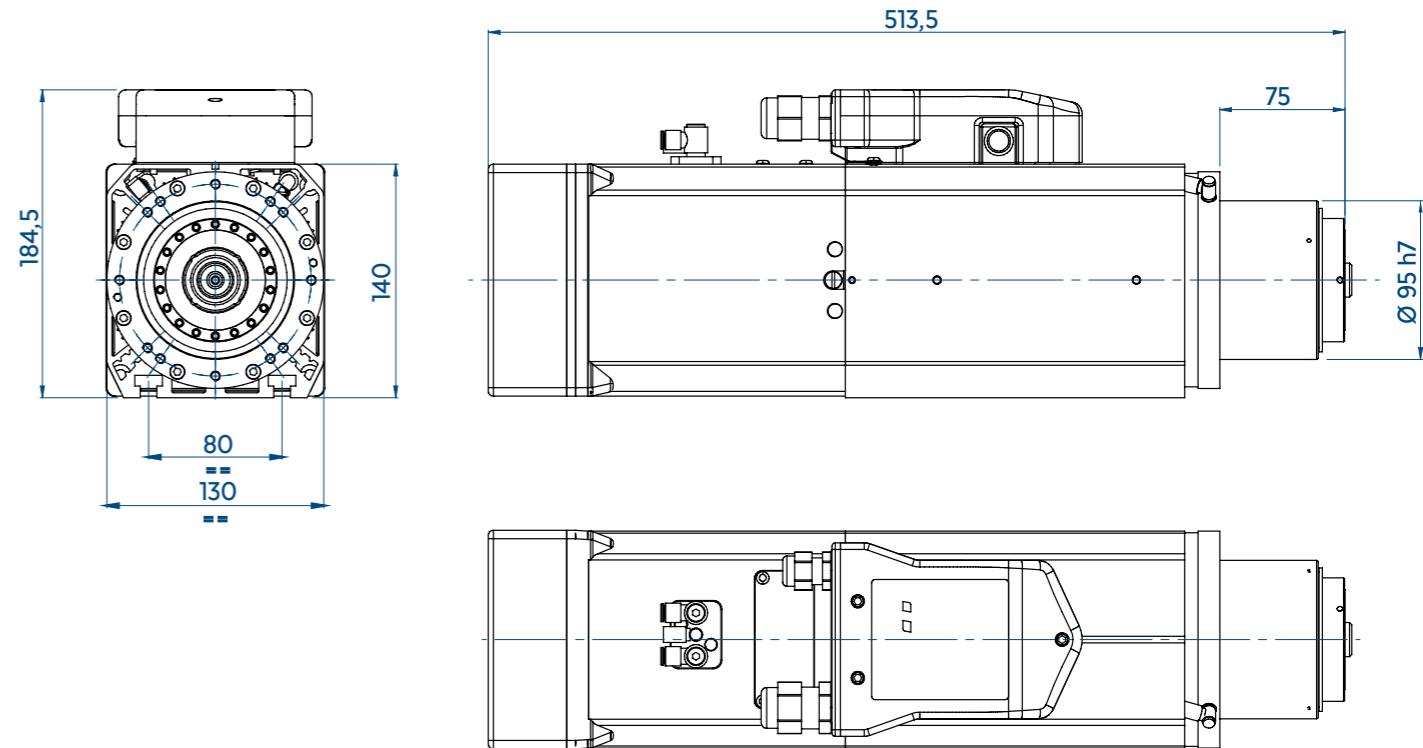
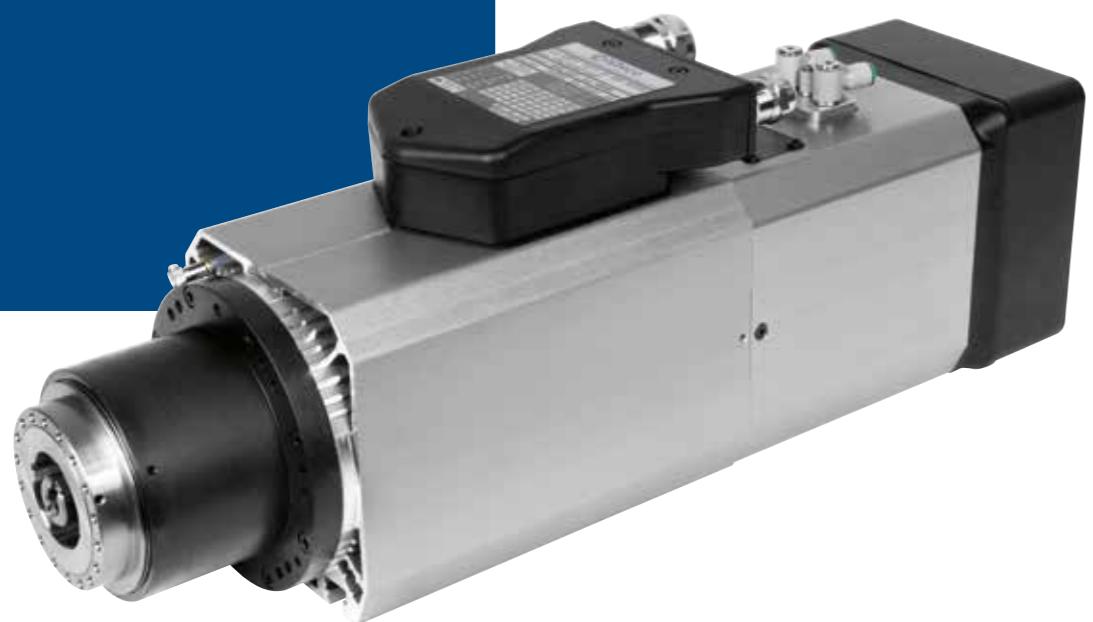
EQUIPAGGIAMENTO EQUIPMENT

	ISO 30
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento con elettroventola Electrofan cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	CC circular connector Male
	CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 5.5/6 20 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	5,5
S6	kW	6,6
S1	Nm	8,8
S6	Nm	10,5
S1	A	12
S6	A	13
Volt		380
Poles		4
Supply		inverter
rpm		20000
kg		24

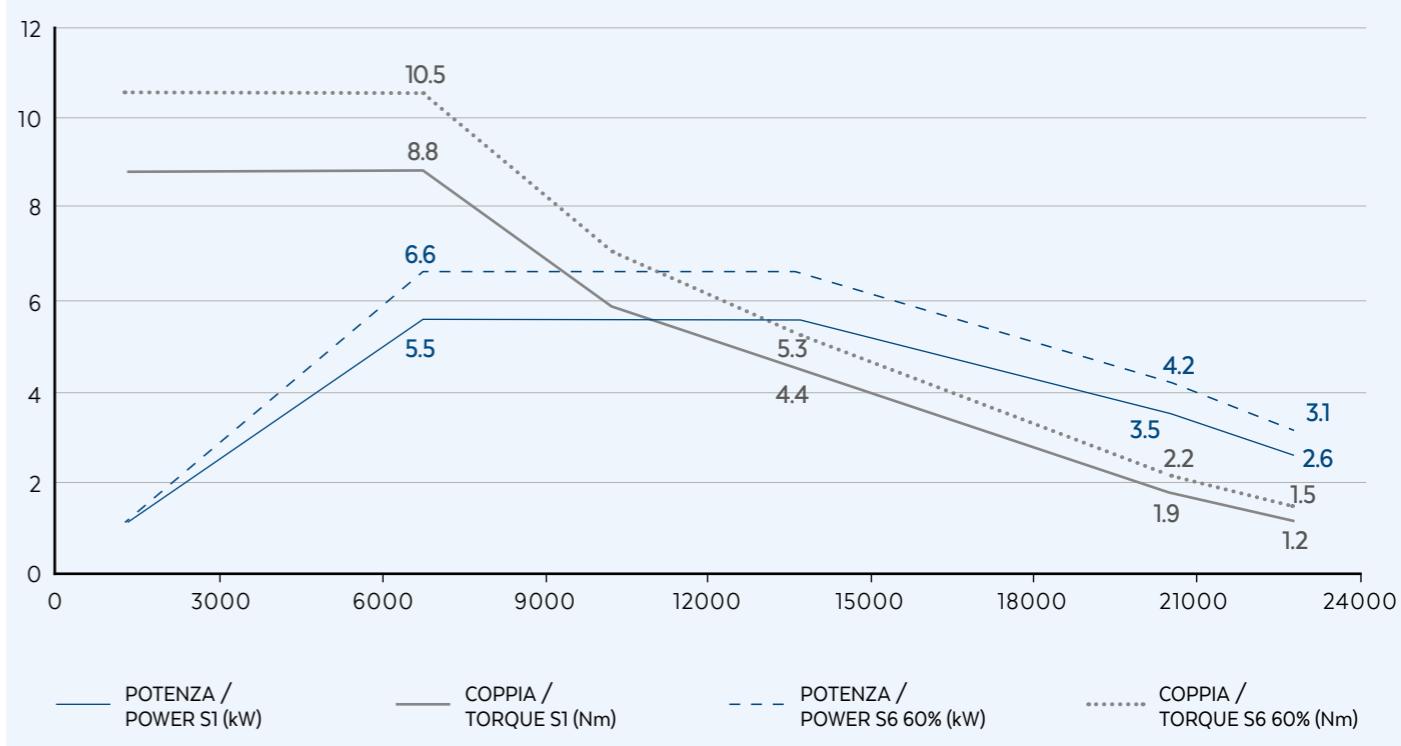
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

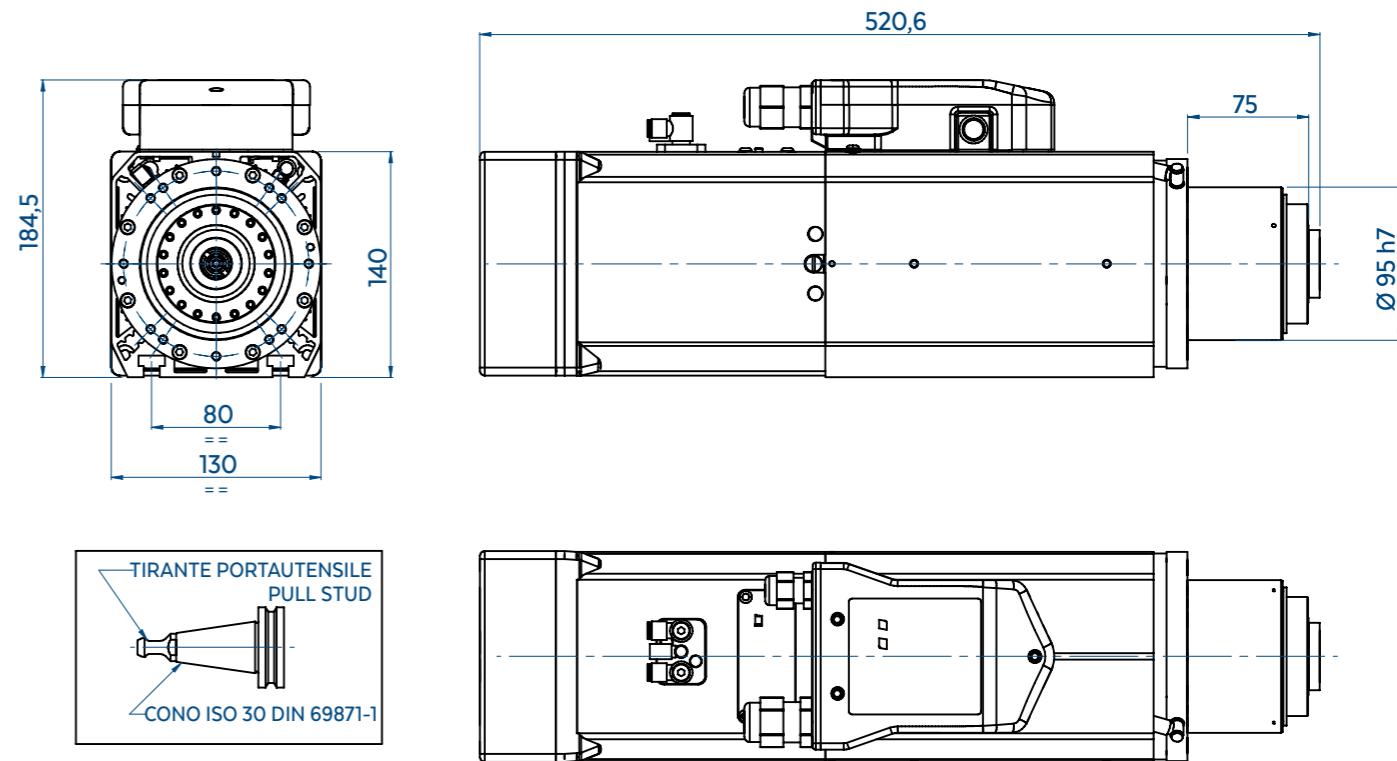
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Air tool
- CC circular connector Male
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 7.5/6 24 I30 NC CB



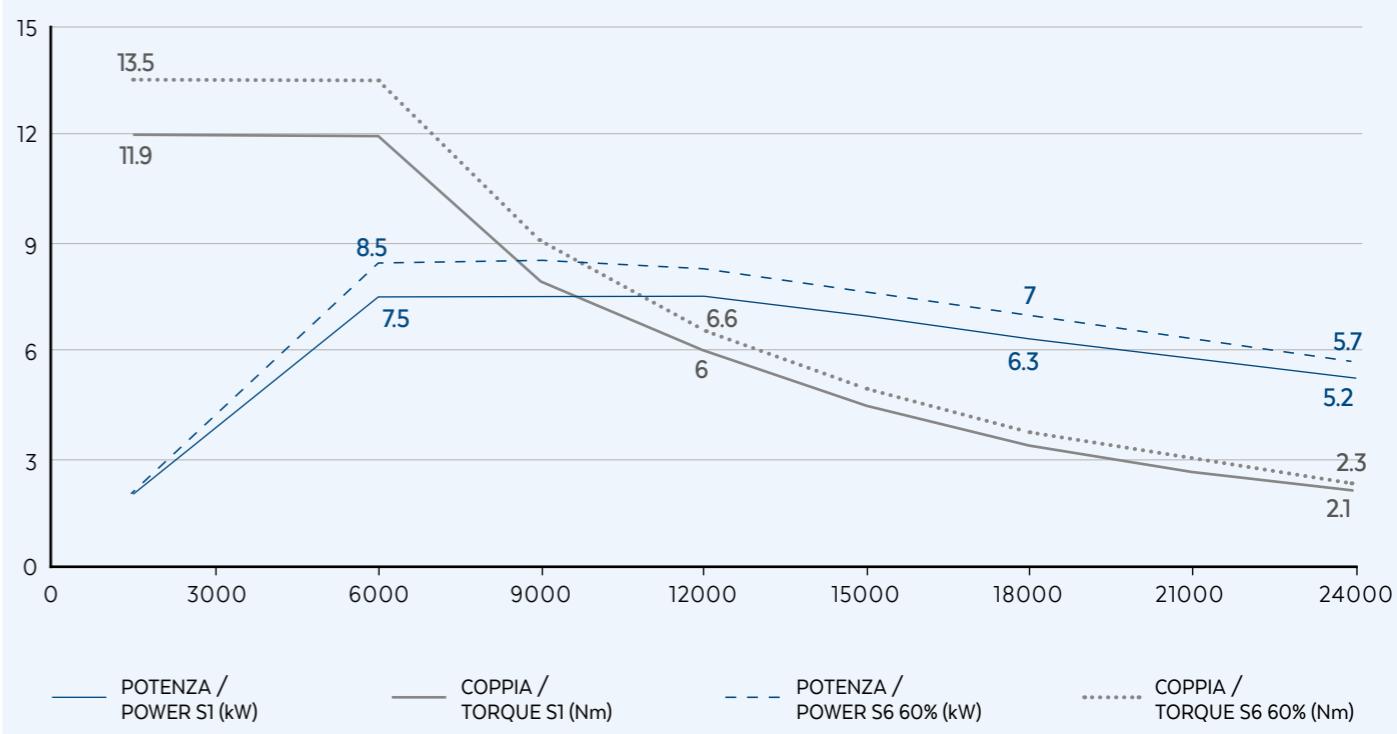
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	7,5
S6	kW	8,5
S1	Nm	11,9
S6	Nm	13,5
S1	A	19,5
S6	A	21,5
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		24

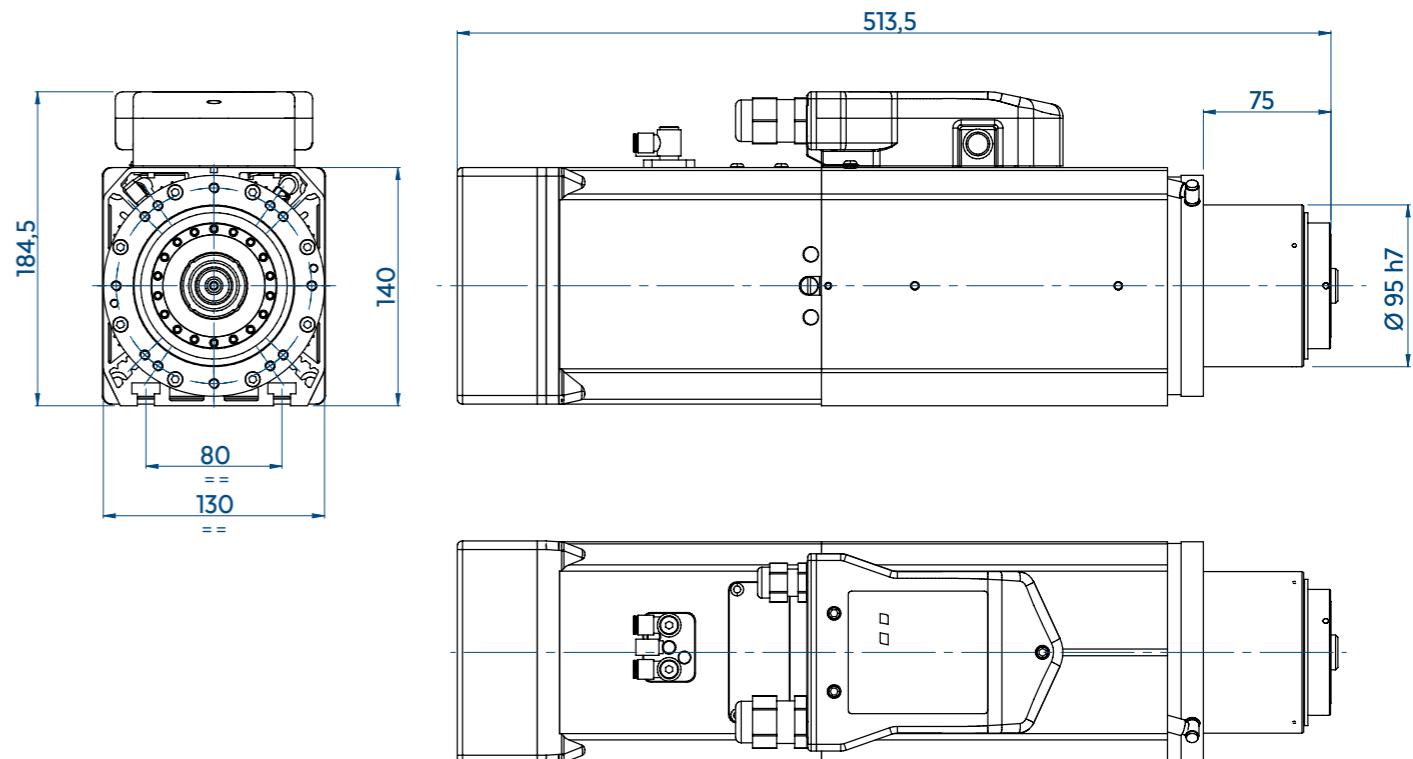
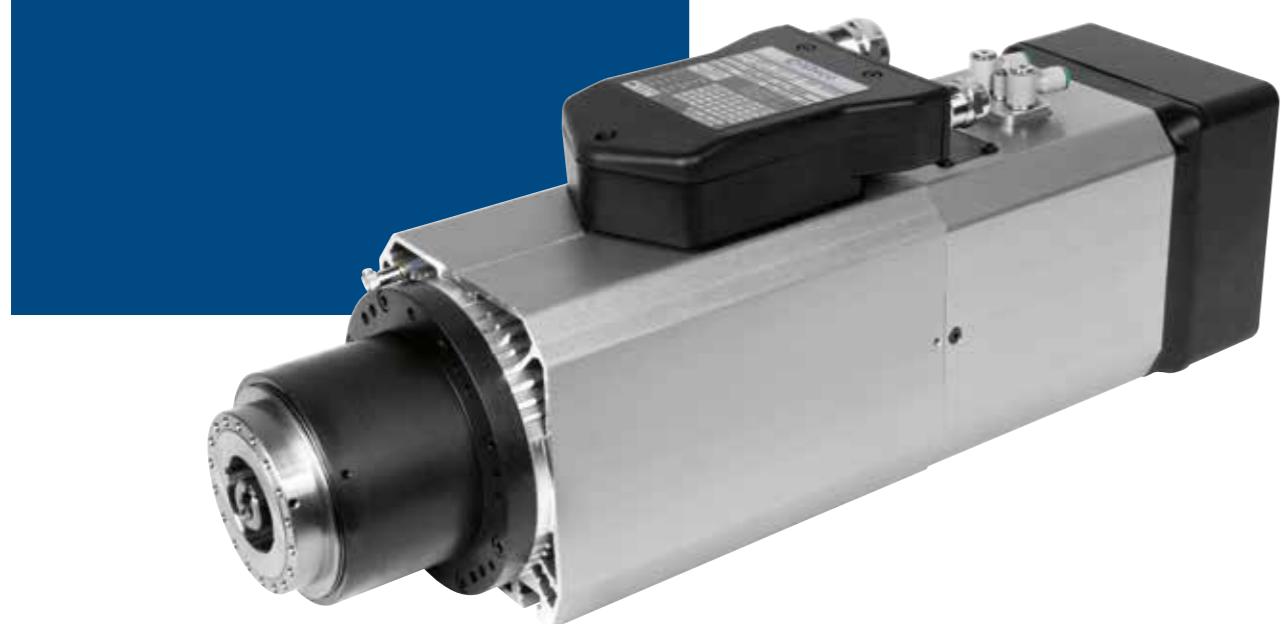
EQUIPAGGIAMENTO EQUIPMENT

	ISO 30
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento con elettroventola Electrofan cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	CC circular connector Male
	CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 7.5/6 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	7,5
S6	kW	8,5
S1	Nm	11,9
S6	Nm	13,5
S1	A	19,5
S6	A	21,5
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		24

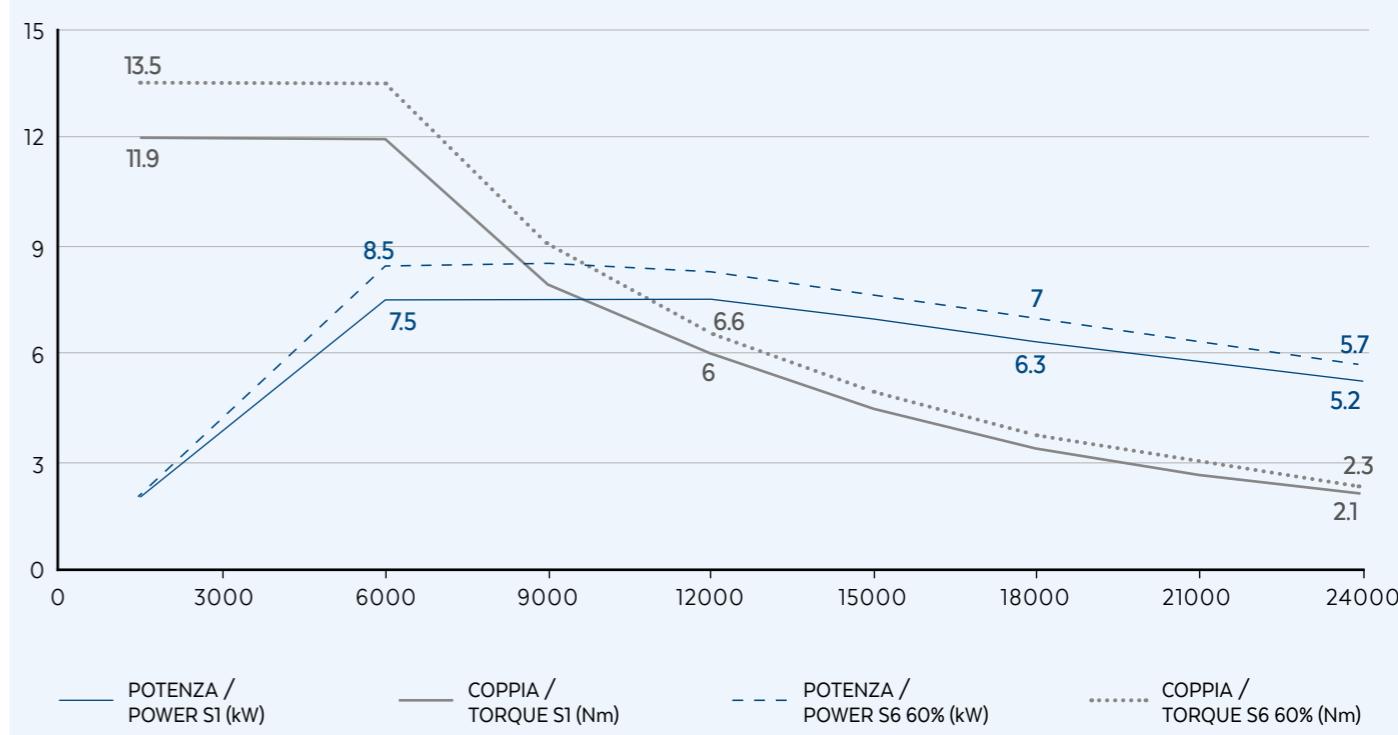
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

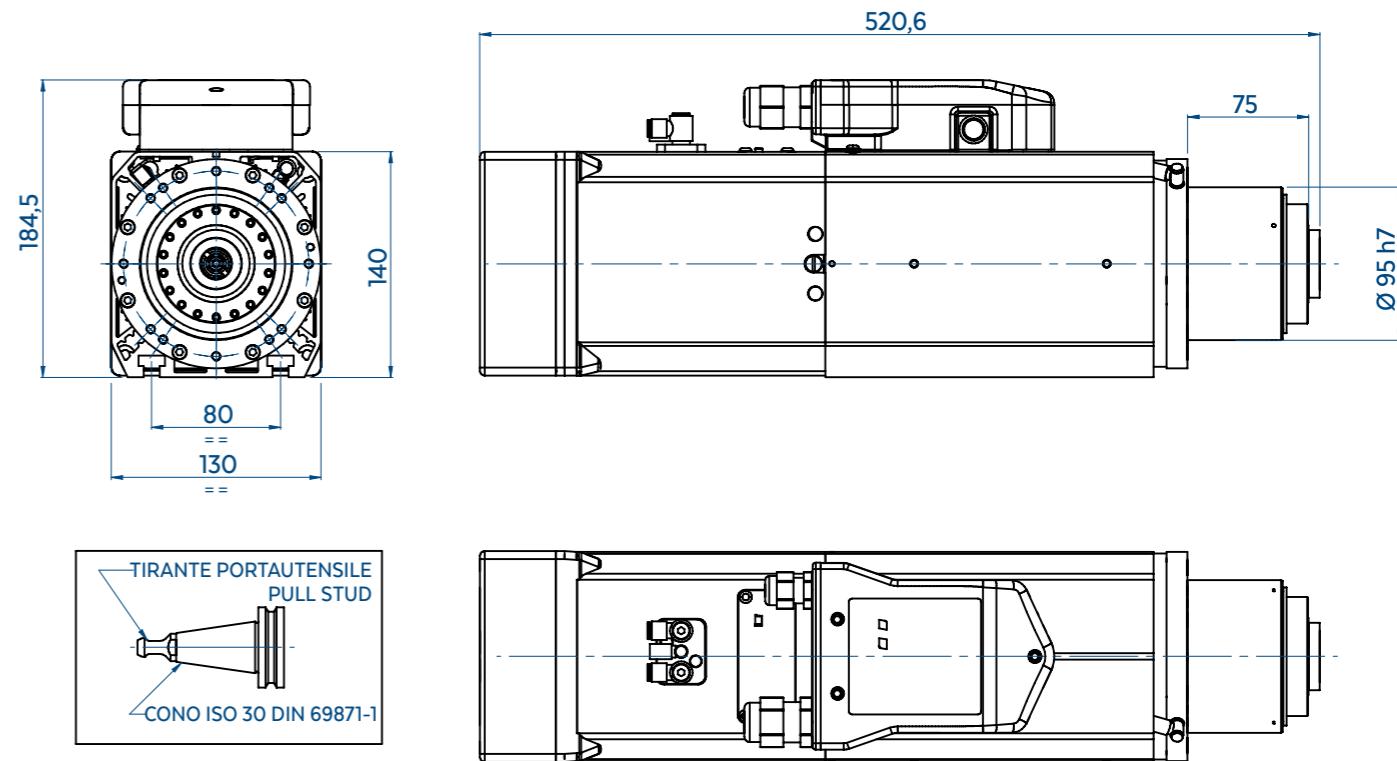
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Air tool
- CC circular connector Male
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 8.5/6 24 I30 NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	8,5
S6	kW	10,5
S1	Nm	13,5
S6	Nm	16,7
S1	A	20
S6	A	25
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		24

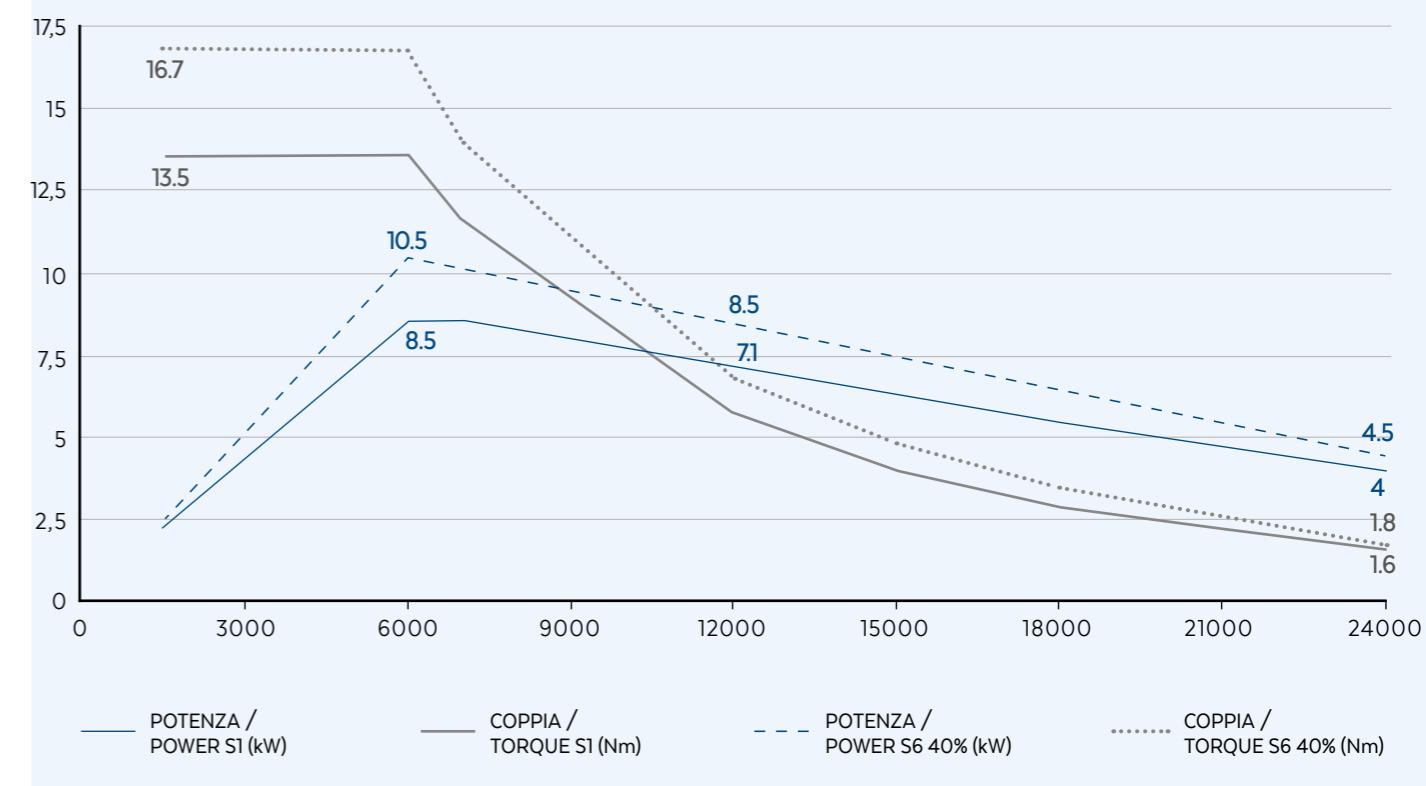
EQUIPAGGIAMENTO EQUIPMENT

- ISO 30
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

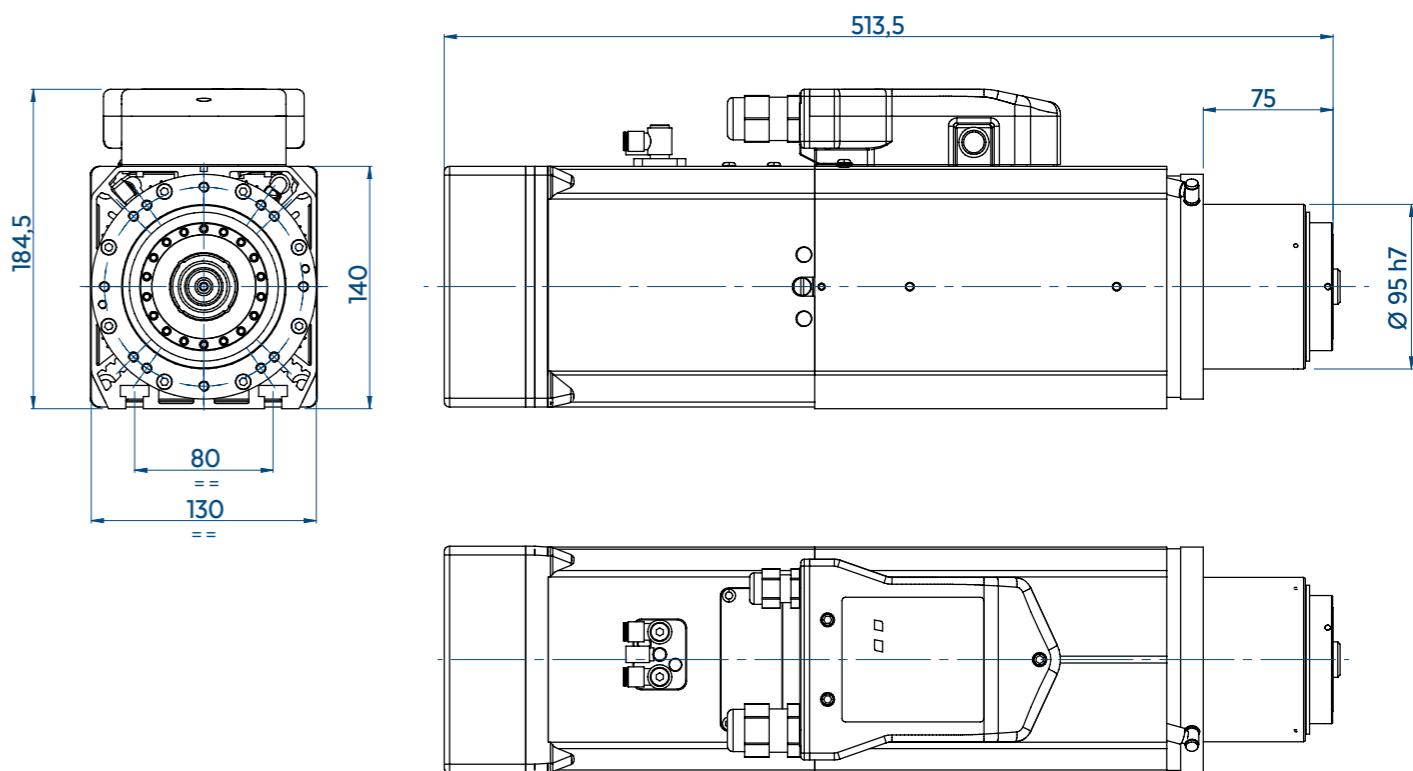
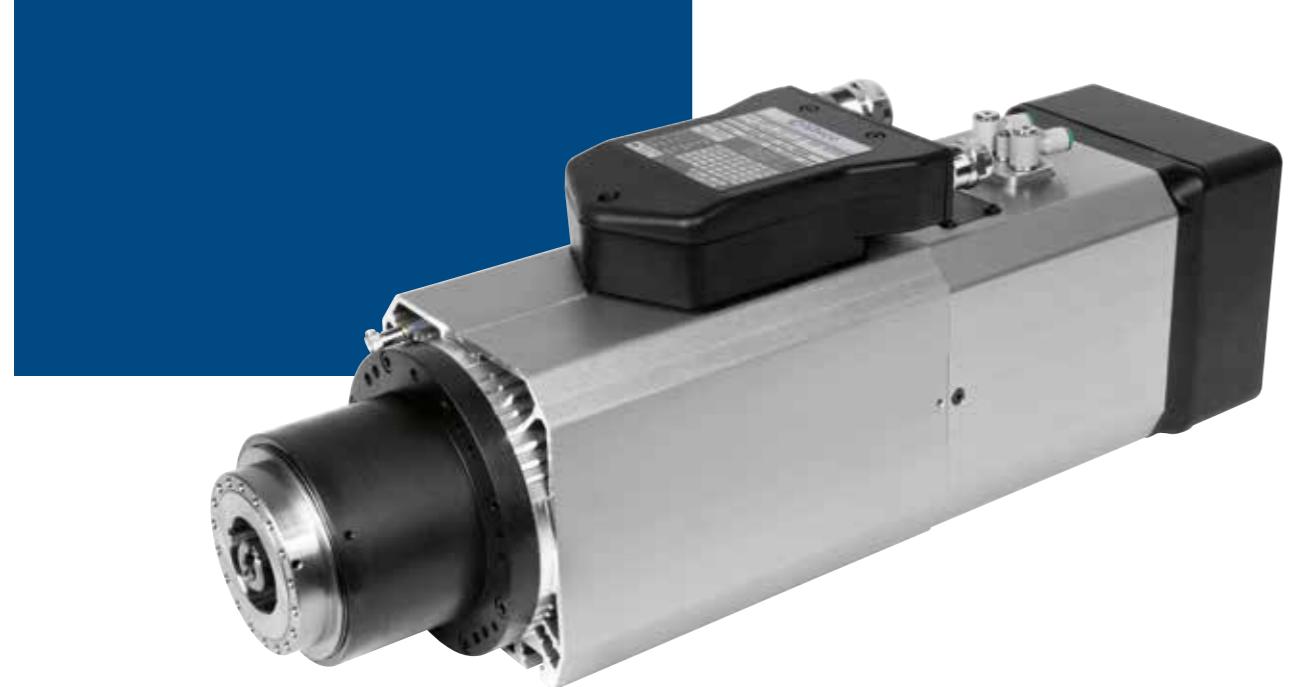
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- CC circular connector Male
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-1F 8.5/6 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	8,5
S6	kW	10,5
S1	Nm	13,5
S6	Nm	16,7
S1	A	20
S6	A	25
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		24

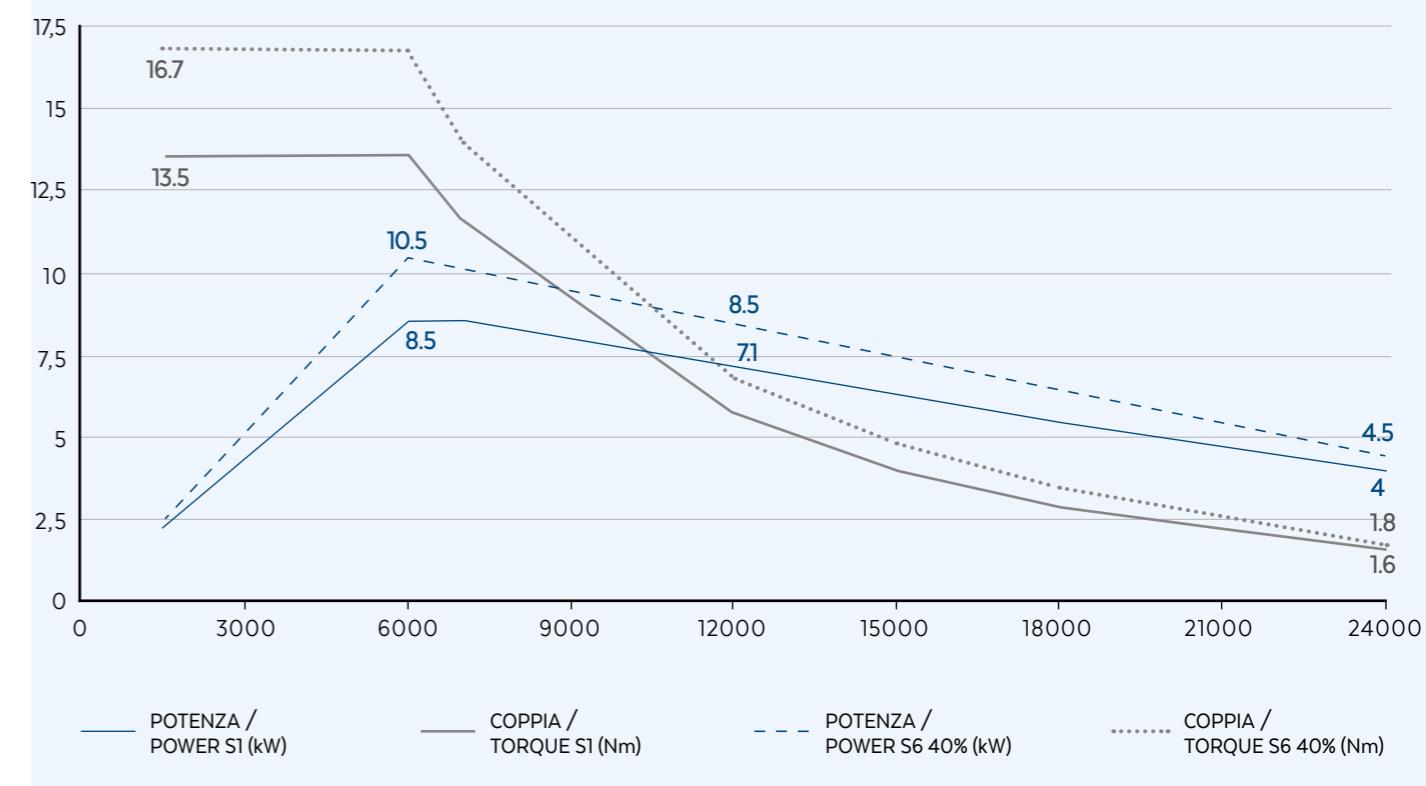
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

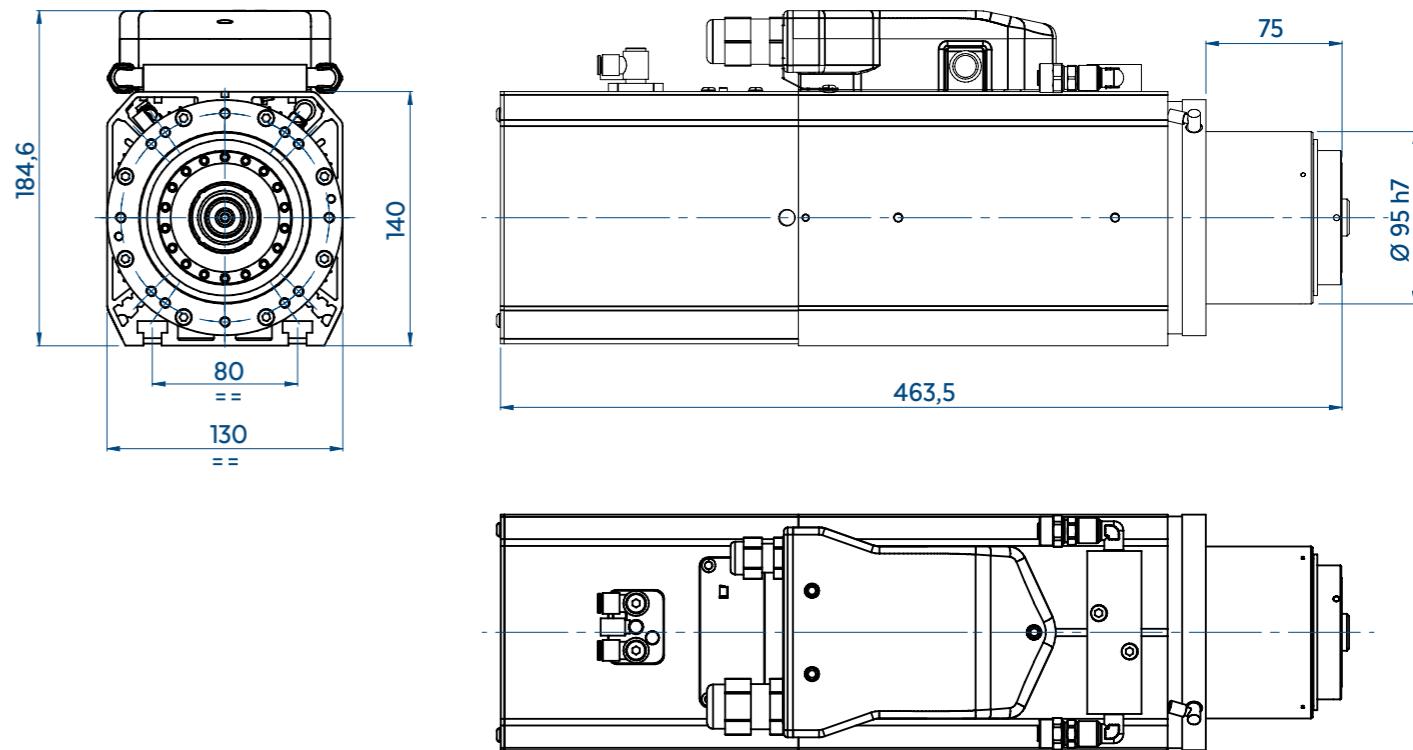
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Air tool
- CC circular connector Male
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-2 9/6 24 63F NC CCB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	9	S6 kW	10,5
S1 Nm	14	S6 Nm	16,4
S1 A	20	S6 A	22,5
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	23		

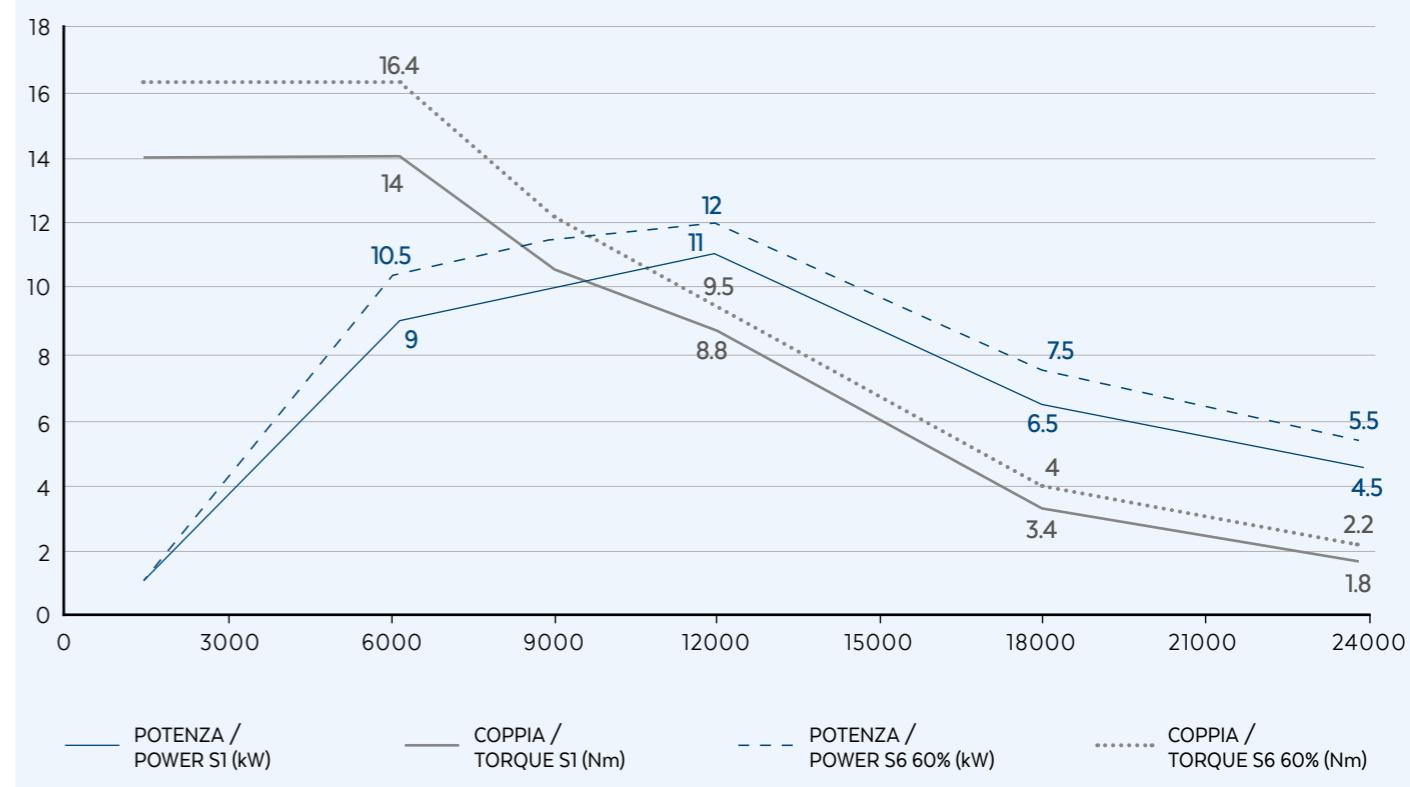
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

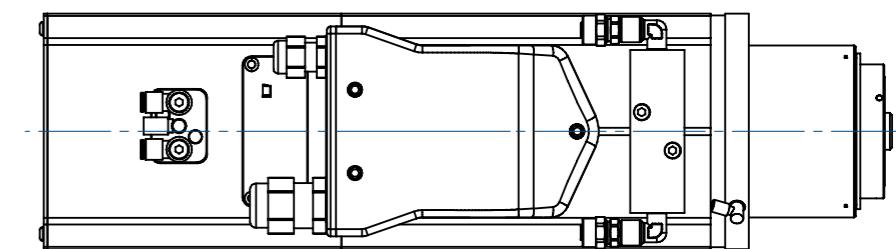
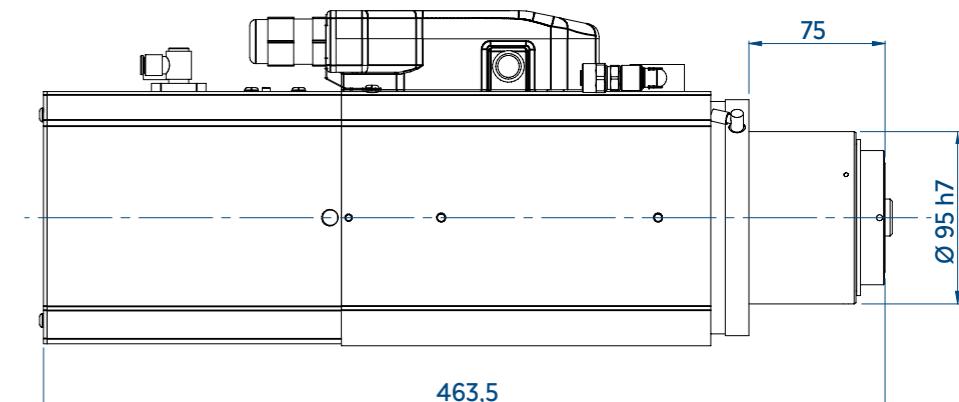
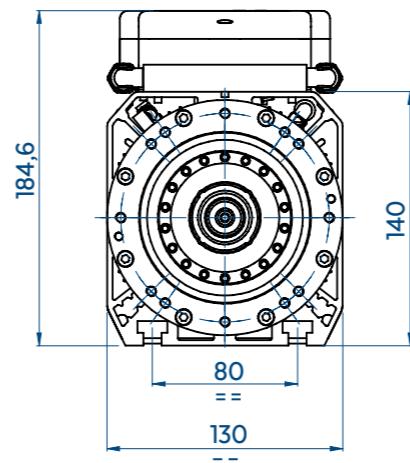
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Air tool
- CC circular connector Male
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



QE-2 11/6 24 63F NC CB



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	11
S6	kW	13
S1	Nm	17,5
S6	Nm	20,7
S1	A	24
S6	A	28
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		23

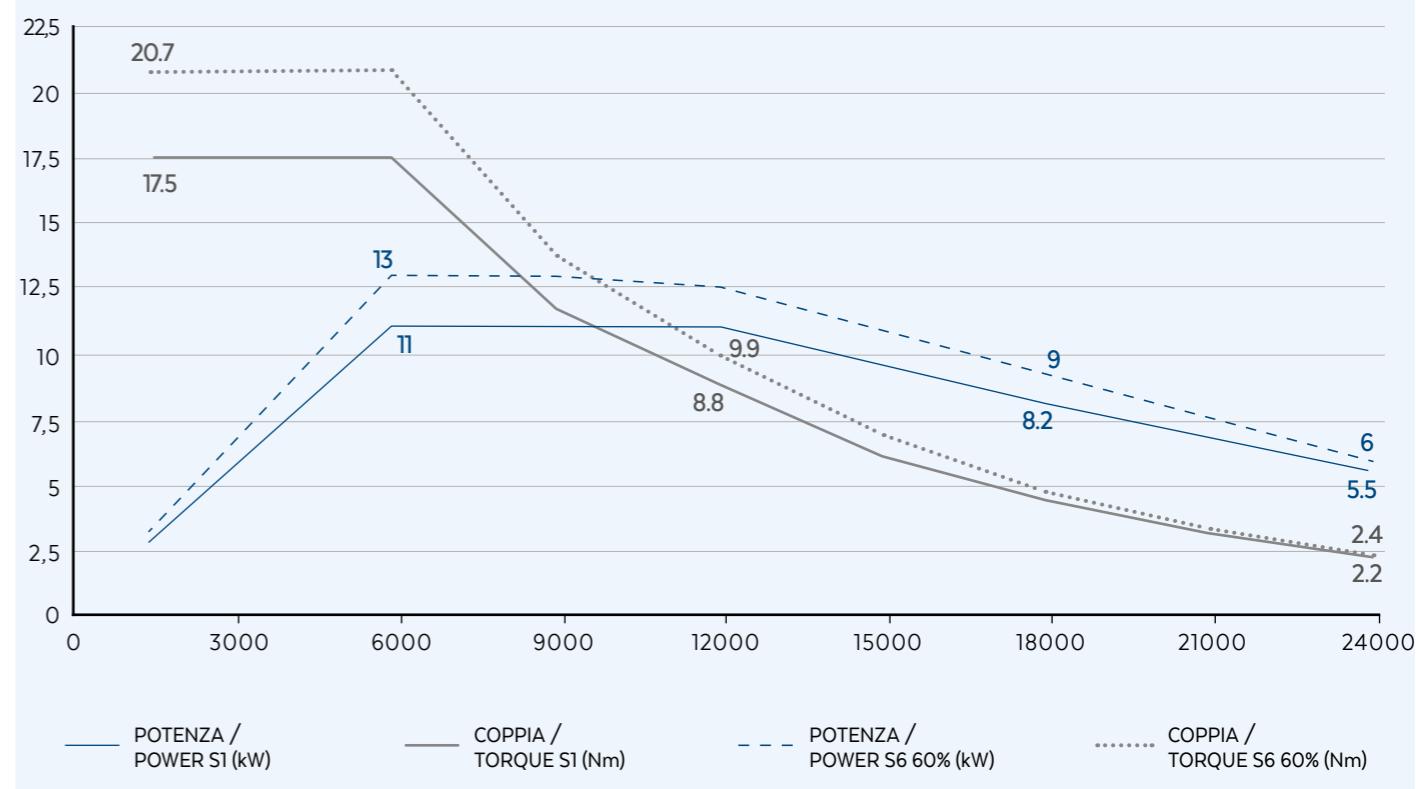
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Air tool
- CC circular connector Male
- CC circular connector Female (machine side)

PRESTAZIONI PERFORMANCES



POWERTECH 500

HIGH SPEED AIR COOLING

- QF-1F 11/12 20 63F NL PP

p.**64**

HIGH TORQUE AIR COOLING

- QF-1F 8/9 18 63F NL PP

p.**70**

- QF-1F 13/7 15 63F NL PP

p.**72**

HIGH SPEED LIQUID COOLING

- QF-2 18/12 20 63F NL PP

p.**66**

- QF-2 18/12 20 63E NL PP

p.**68**

HIGH TORQUE LIQUID COOLING

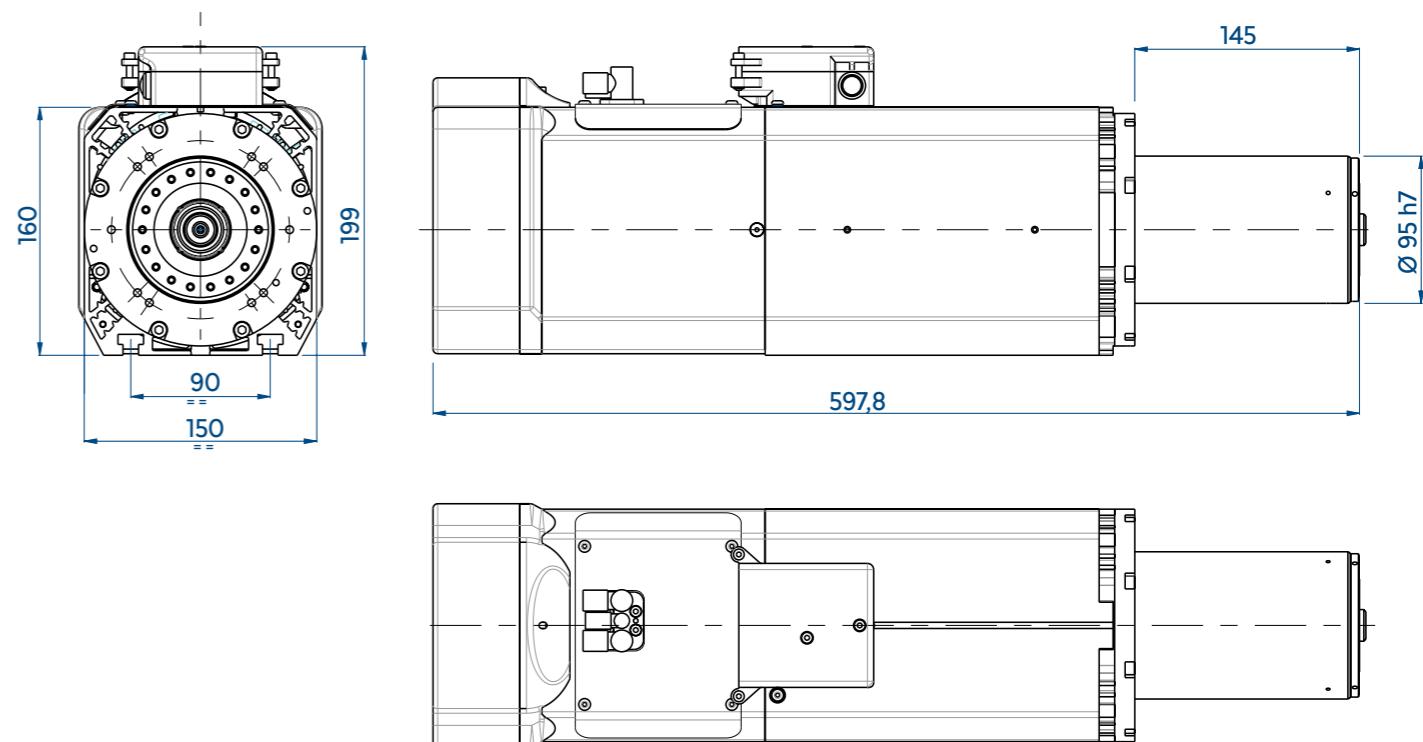
- QF-2 12/6 18 63F NL PP

p.**74**

- QF-2 12/6 18 63E NL PP

p.**76**



QF-1F 11/12 20 63F NL PP**SPECIFICHE TECNICHE**
TECHNICAL SPECIFICATIONS

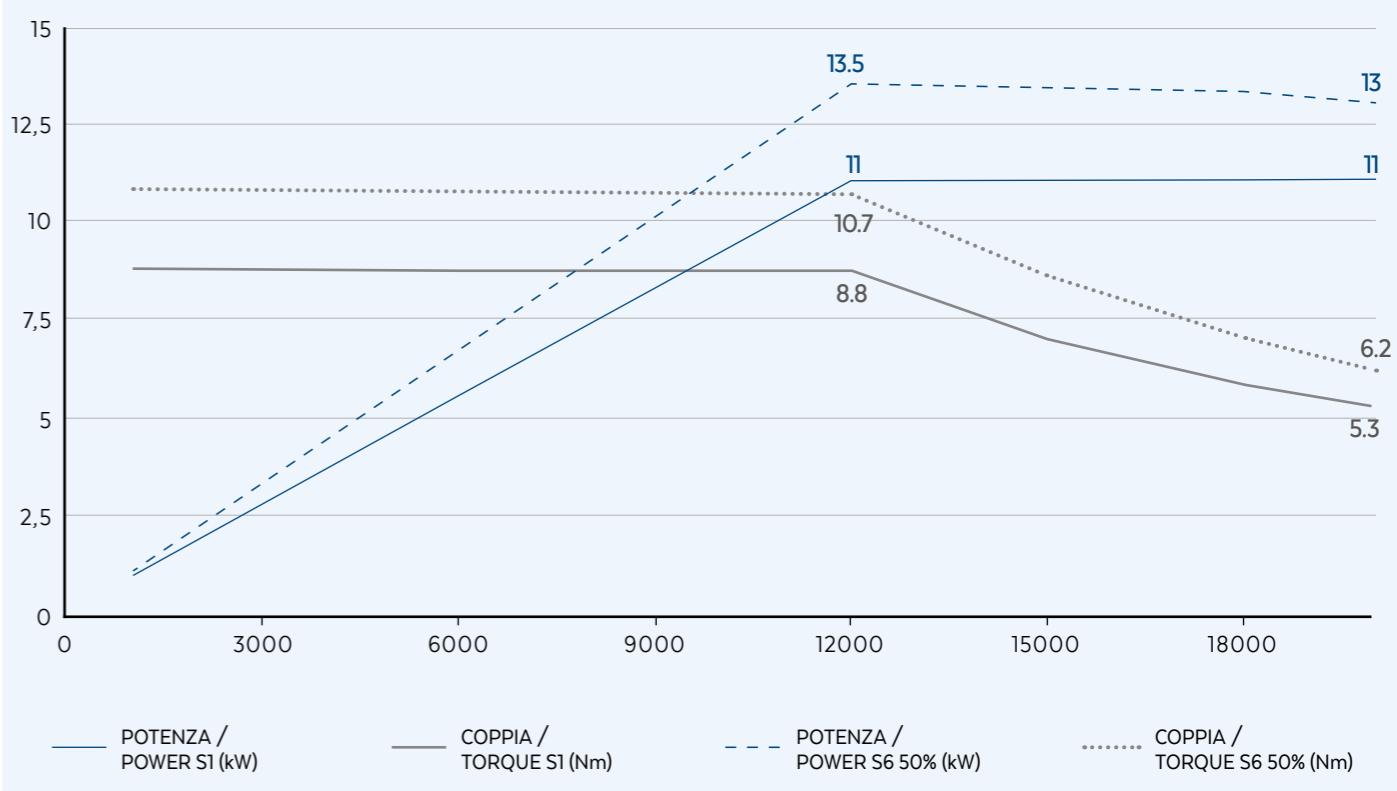
S1 	kW 11
S6 	kW 13,5
S1 	Nm 8,8
S6 	Nm 10,7
S1 	A 28
S6 	A 32
Volt	380
Poles	4
Supply	inverter
rpm	20000
kg	35

EQUIPAGGIAMENTO
EQUIPMENT

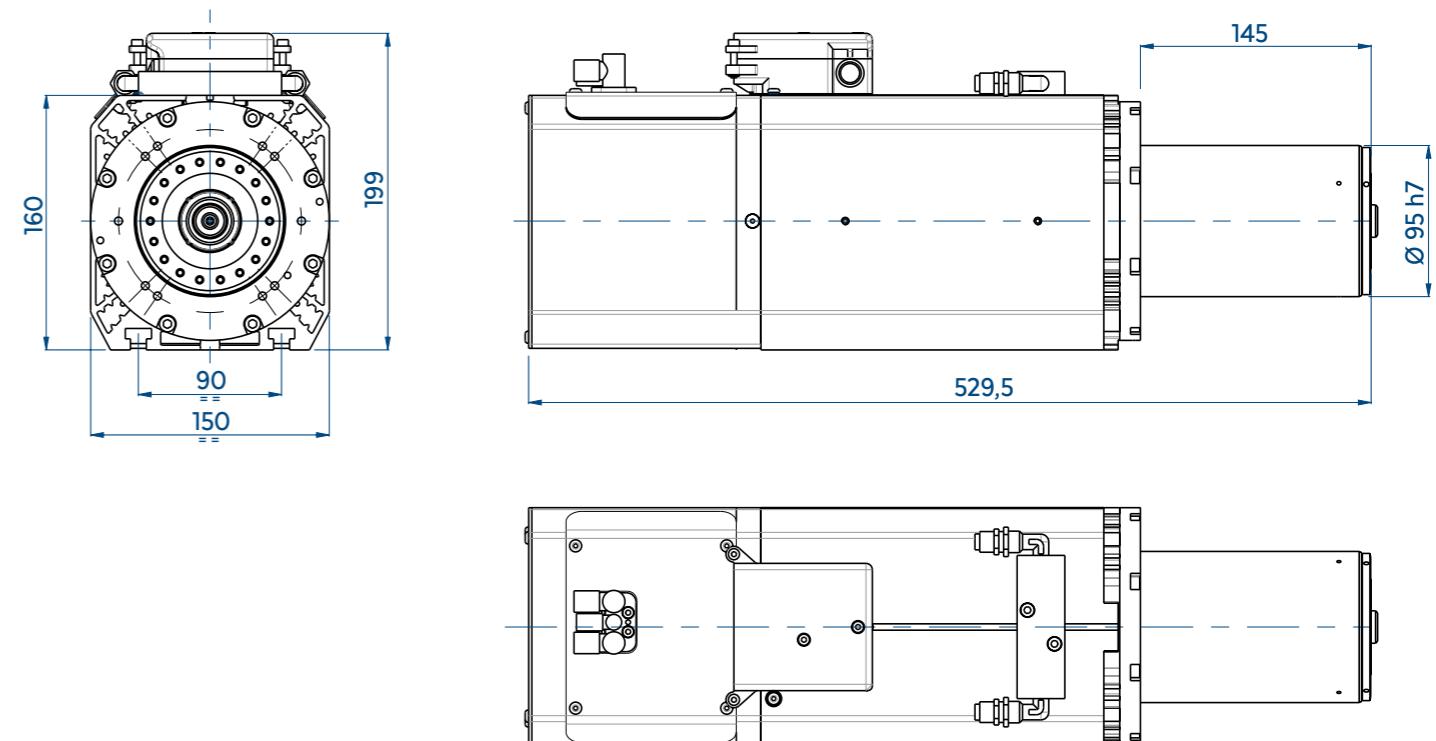
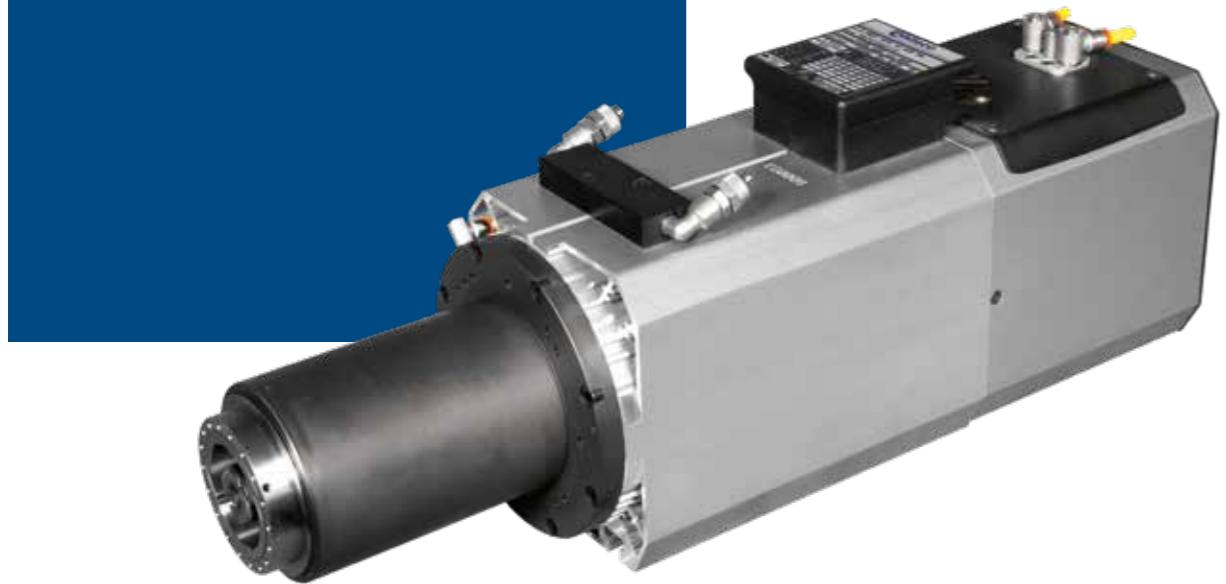
- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

OPZIONALI
OPTIONALS

- PP connection Female
(machine side)

PRESTAZIONI
PERFORMANCES

QF-2 18/12 20 63F NL PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 18

S6 kW 21

S1 Nm 14,3

S6 Nm 16,7

S1 A 36

S6 A 41

Volt 380

Pol es 4

Supply inverter

rpm 20000

kg 35

EQUIPAGGIAMENTO EQUIPMENT



HSK 63F



Cuscinetti ceramici
Ceramic ball bearings



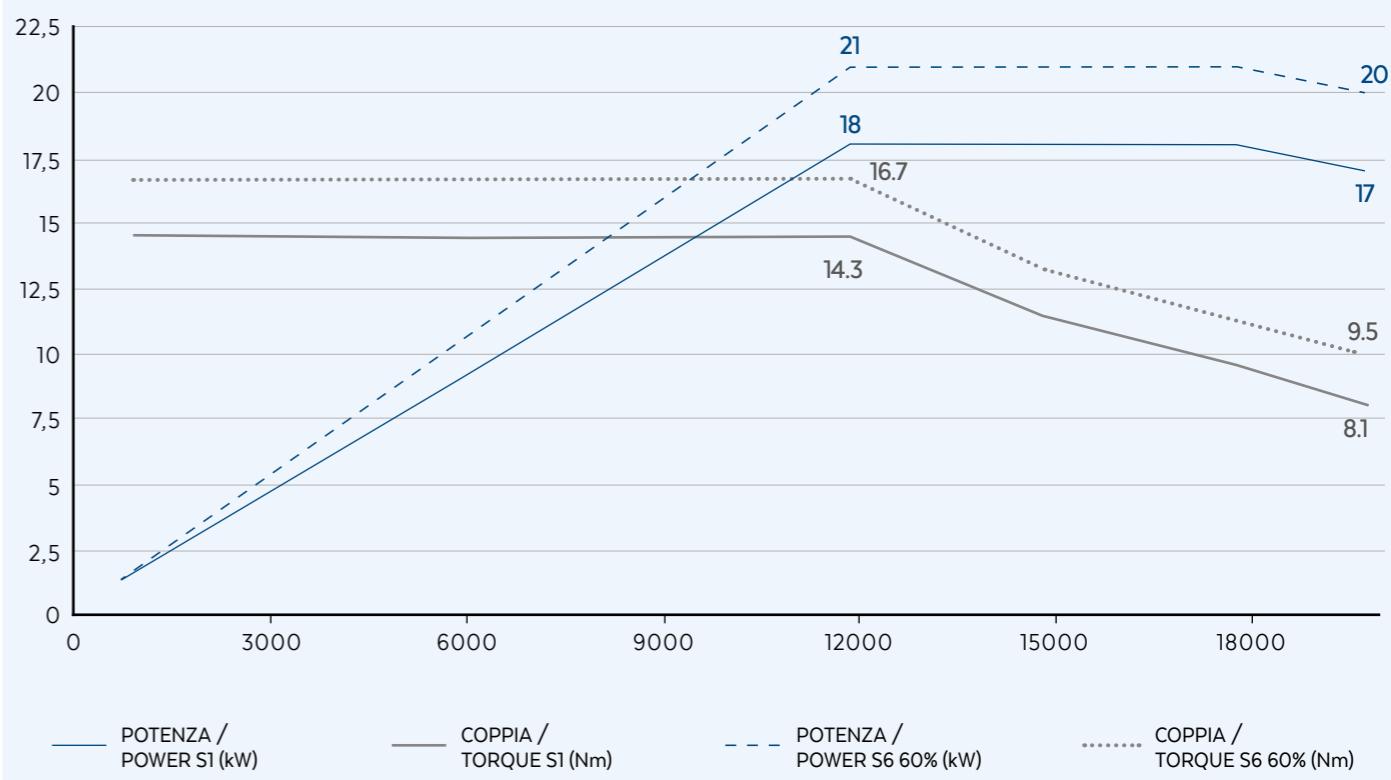
Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS

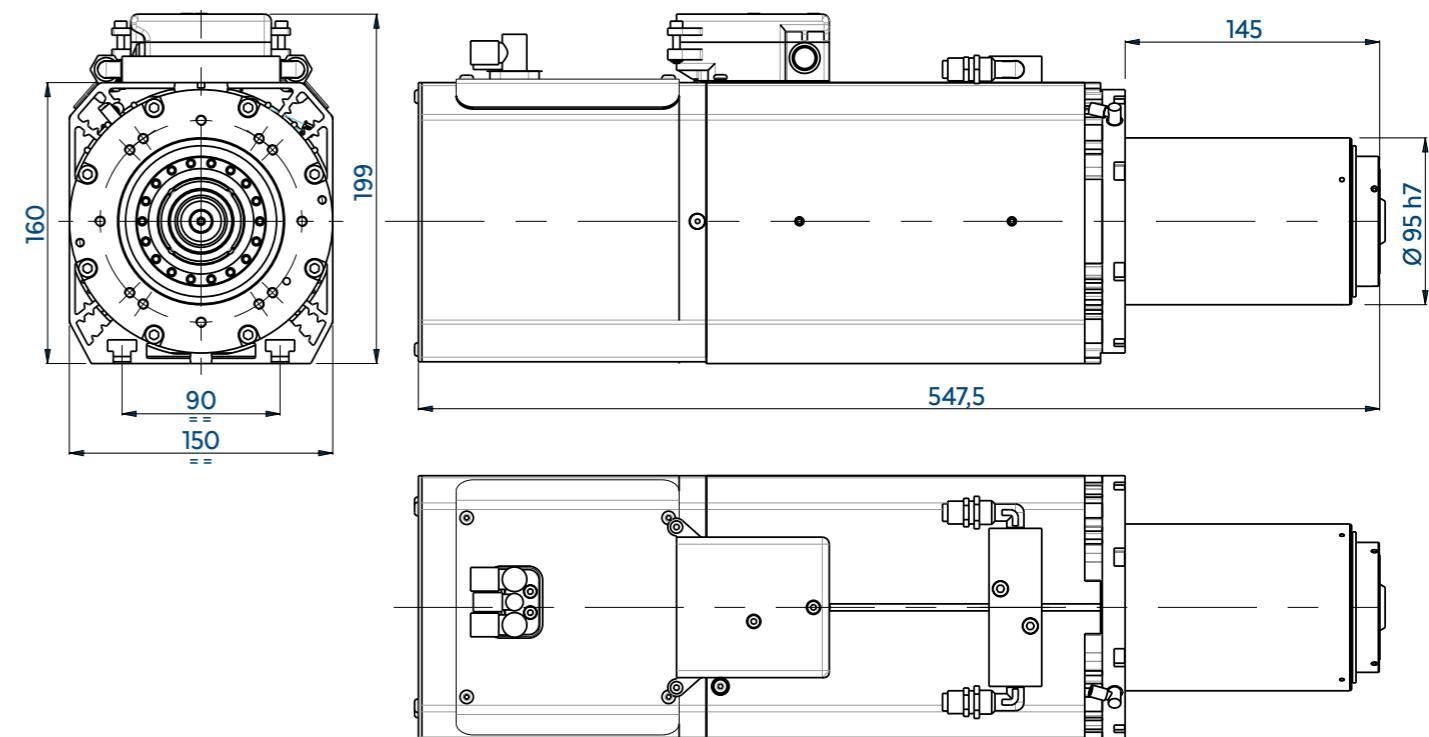
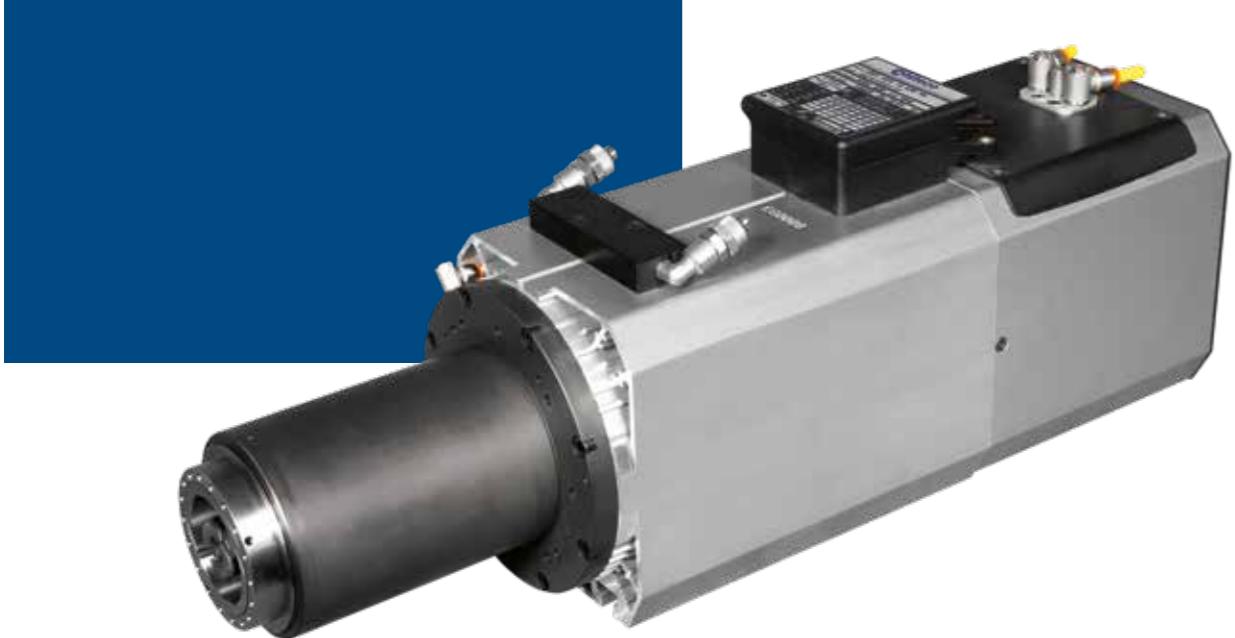


Plug & Play
PP connection Female
(machine side)

PRESTAZIONI PERFORMANCES



QF-2 18/12 20 63E NL PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 18

S6 kW 21

S1 Nm 14,3

S6 Nm 16,7

S1 A 36

S6 A 41

Volt 380

Pol es 4

Supply inverter

rpm 20000

kg 35

EQUIPAGGIAMENTO EQUIPMENT



HSK 63E



Cuscinetti ceramici
Ceramic ball bearings



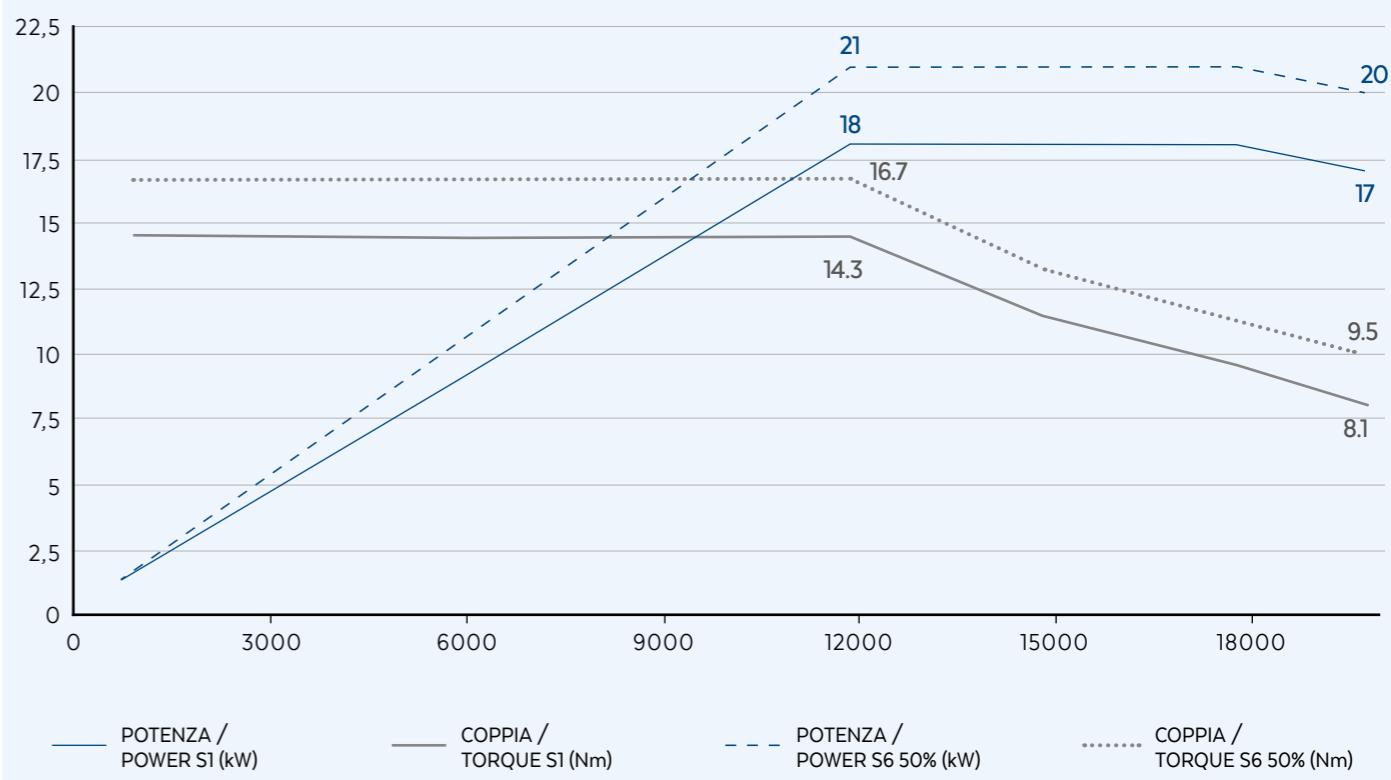
Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS

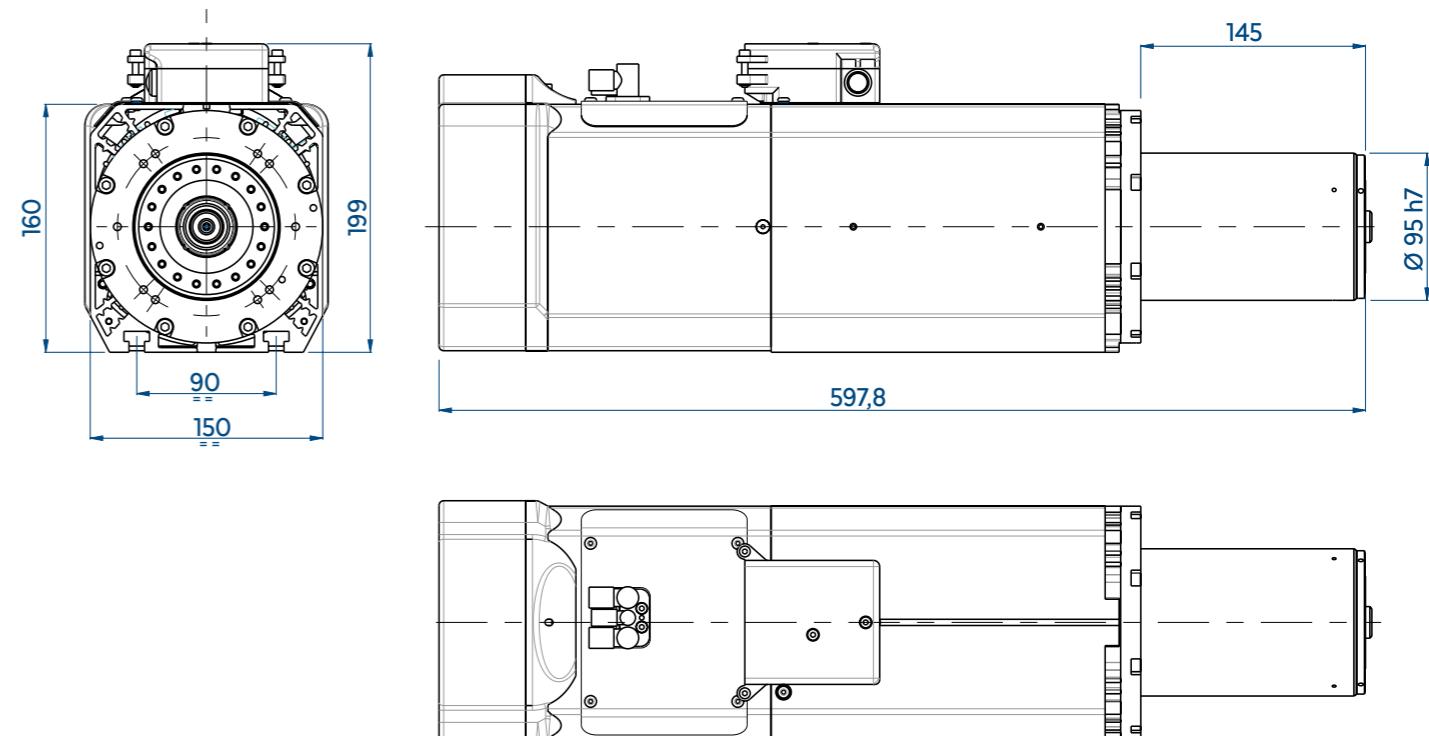


Plug & Play
PP connection Female
(machine side)

PRESTAZIONI PERFORMANCES



QF-1F 8/9 18 63F NL PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	8	S6 kW	10
S1 Nm	11,9	S6 Nm	14,6
S1 A	20	S6 A	24
Volt	380		
Poles	4		
Supply	inverter		
rpm	18000		
kg	35		

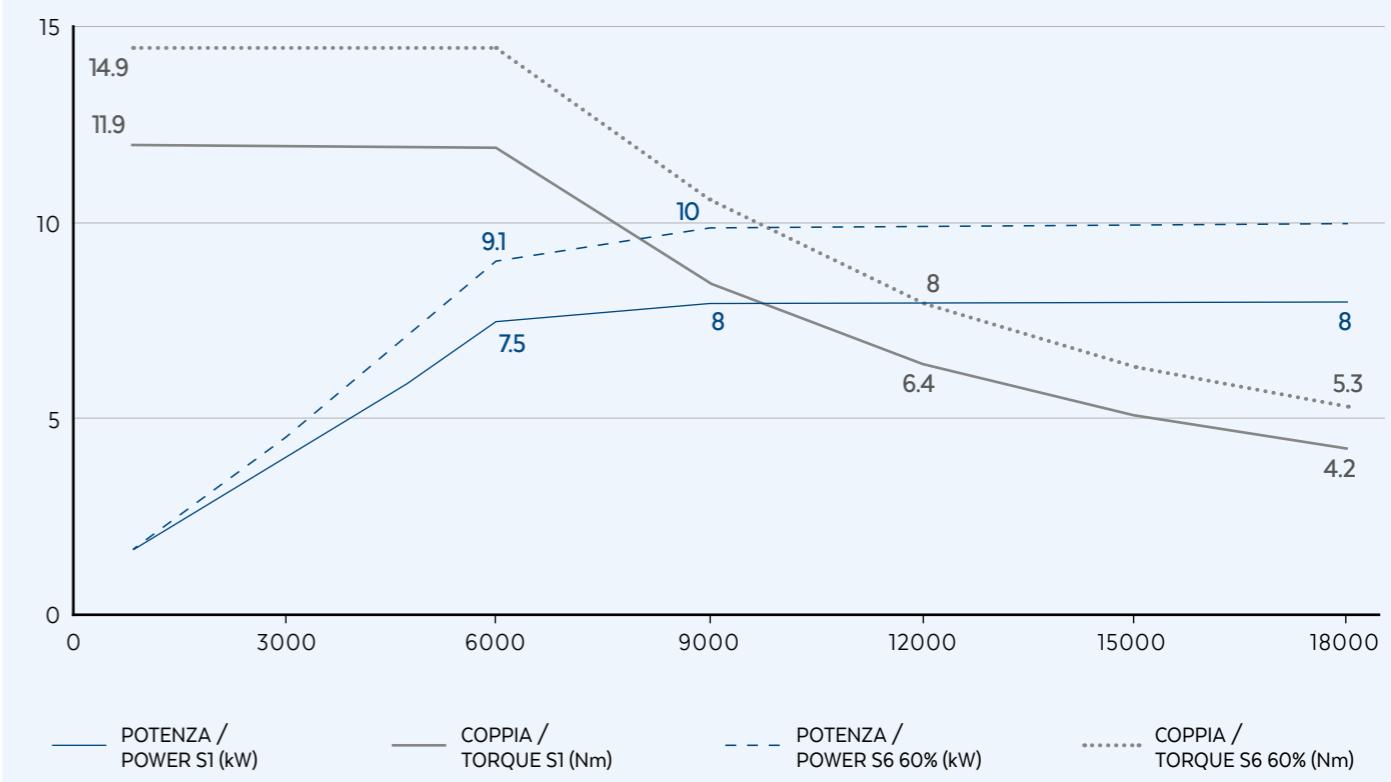
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

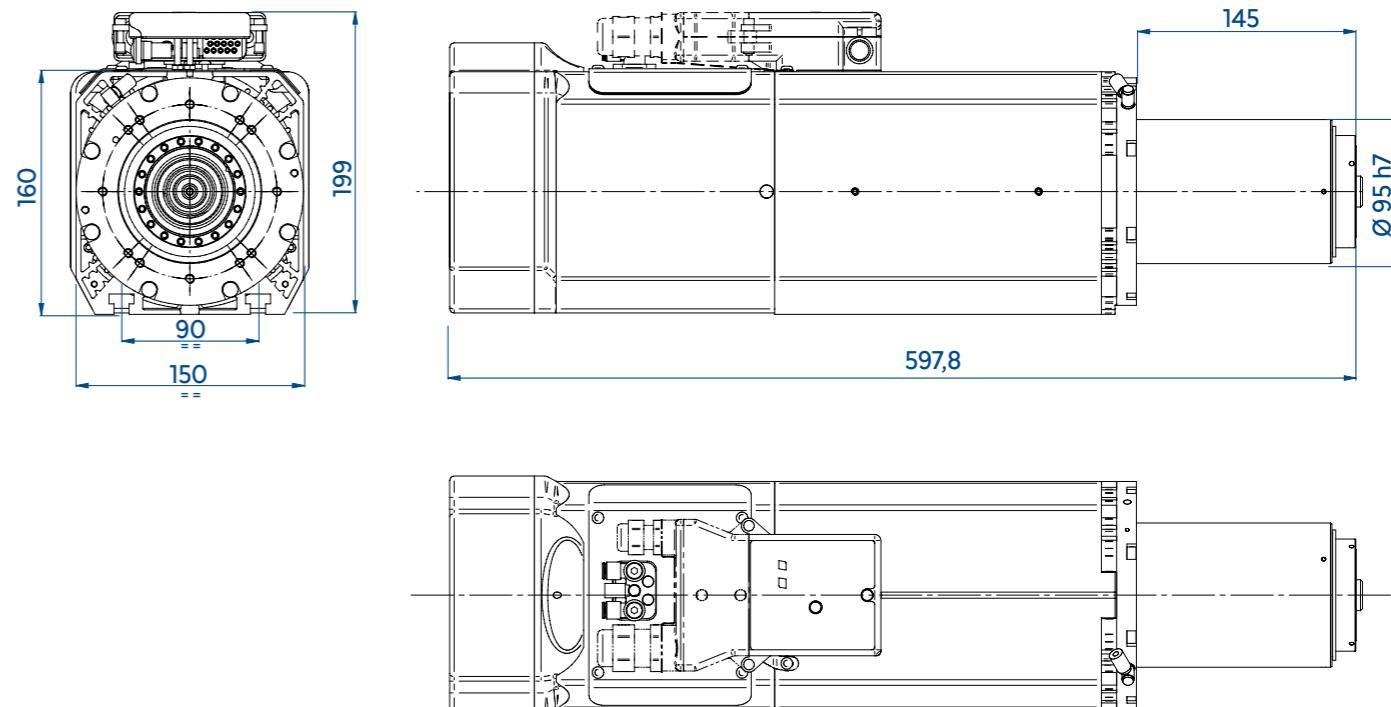
OPZIONALI OPTIONALS

- PP connection Female
(machine side)

PRESTAZIONI PERFORMANCES



QF-1F 13/715 63F NL PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	13,3
S6	kW	16
S1	Nm	16,9
S6	Nm	20,4
S1	A	28
S6	A	32
Volt		380
Poles		4
Supply		inverter
rpm		15000
kg		35

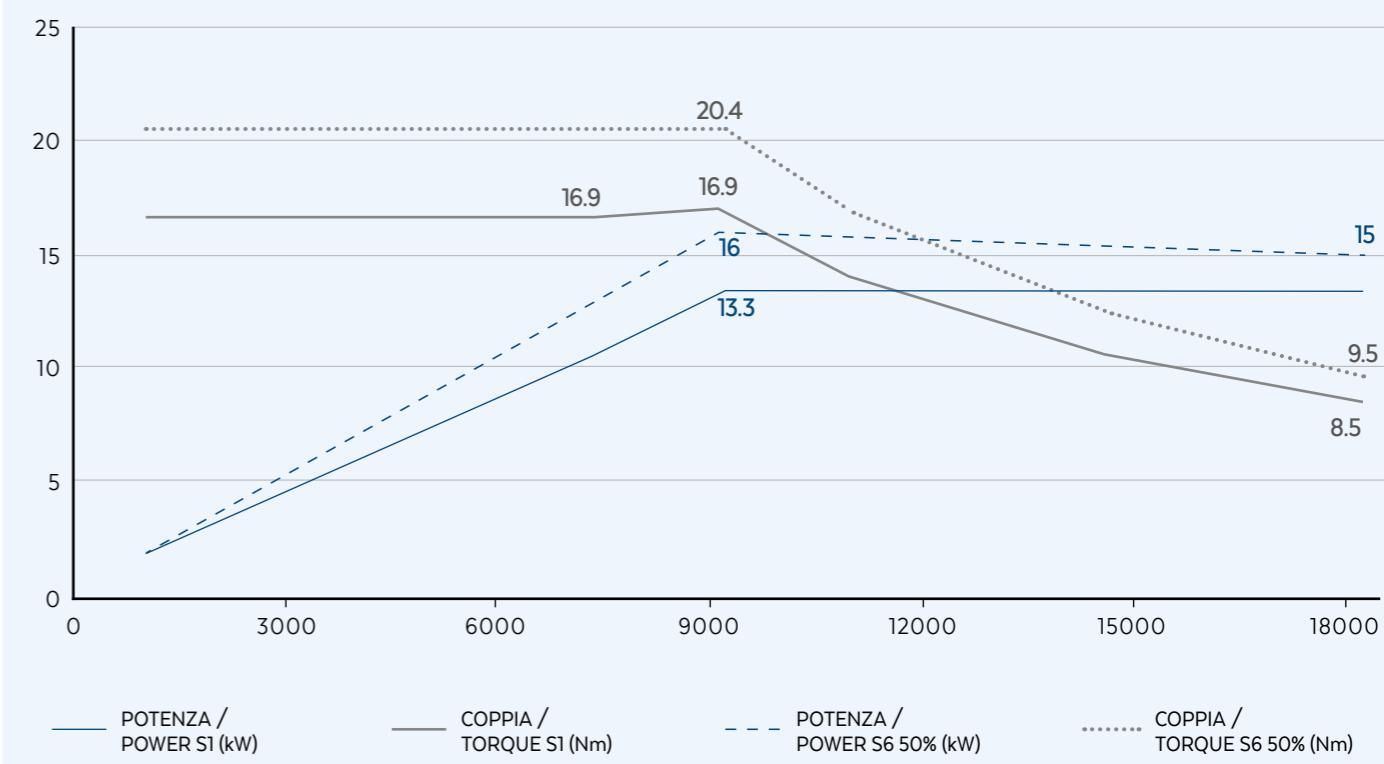
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

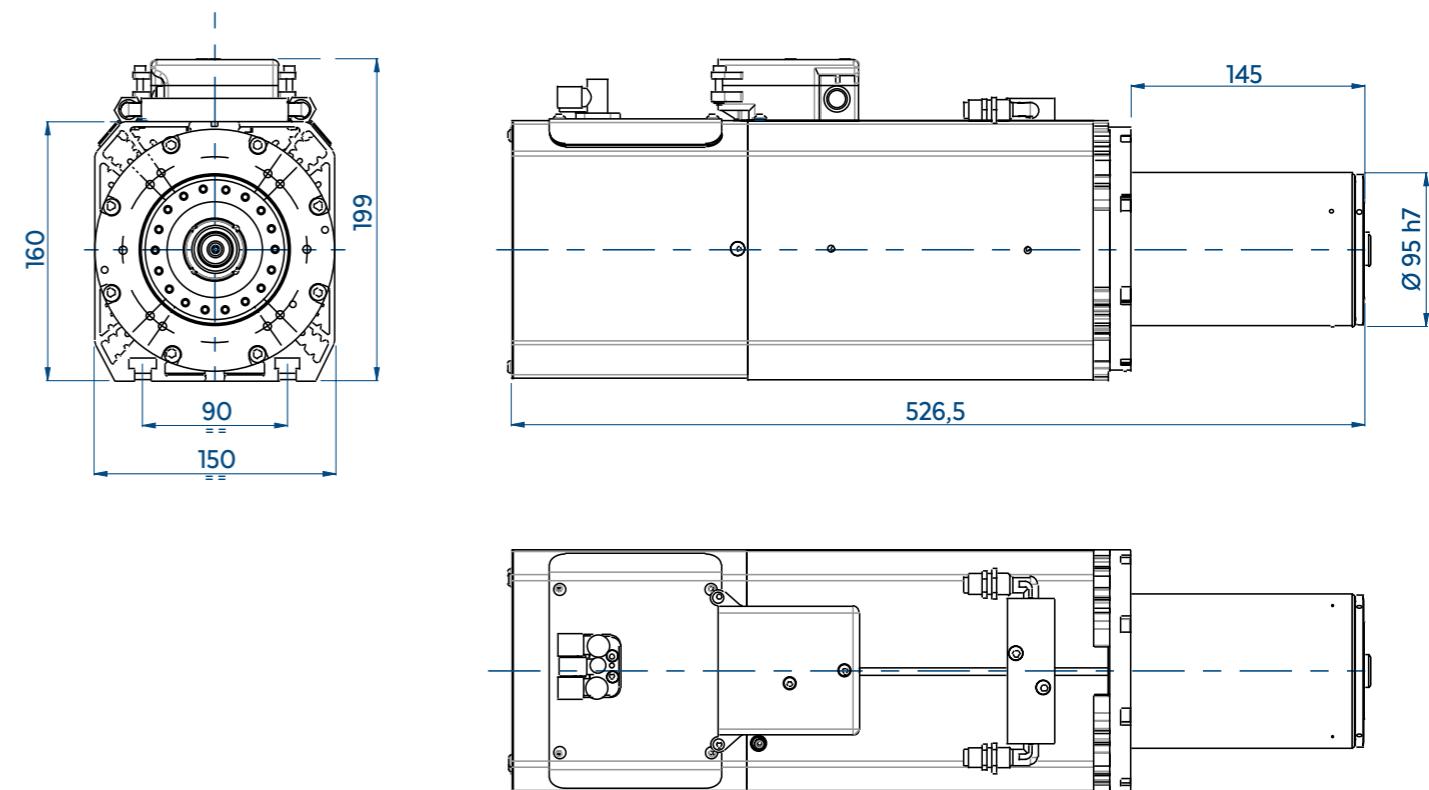
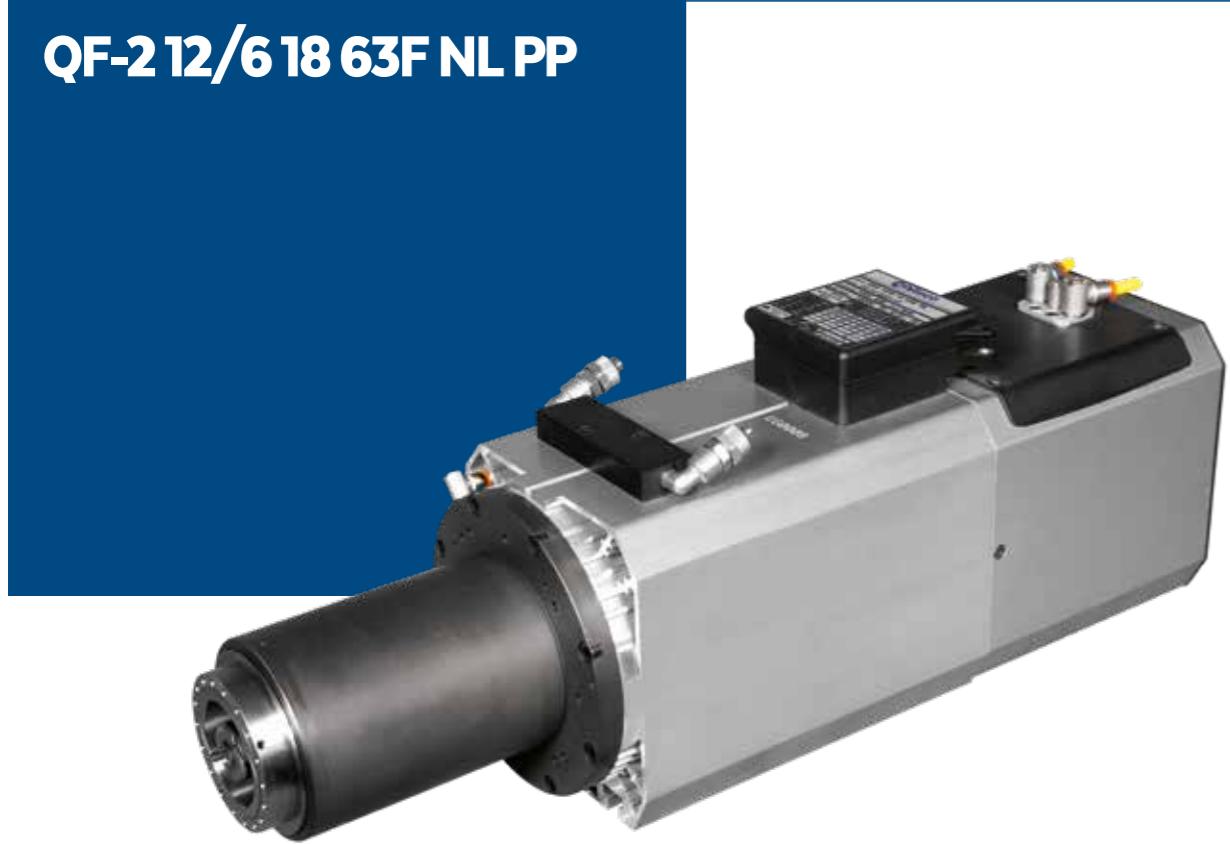
OPZIONALI OPTIONALS

- Plug & Play
PP connection Female (machine side)

PRESTAZIONI PERFORMANCES



QF-2 12/6 18 63F NL PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	12
S6	kW	15
S1	Nm	19,1
S6	Nm	23,9
S1	A	28
S6	A	35
Volt		380
Pol	es	4
Supply		inverter
rpm		18000
kg		35

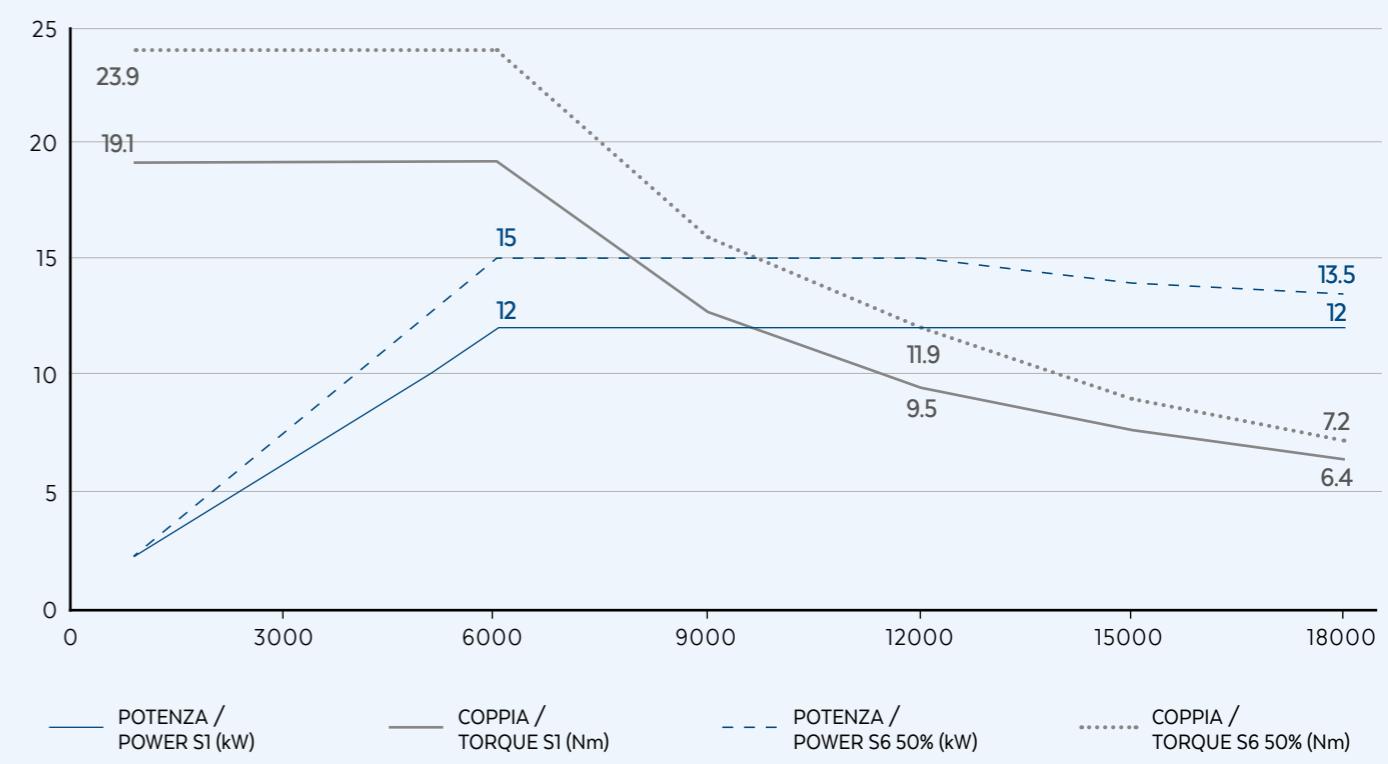
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

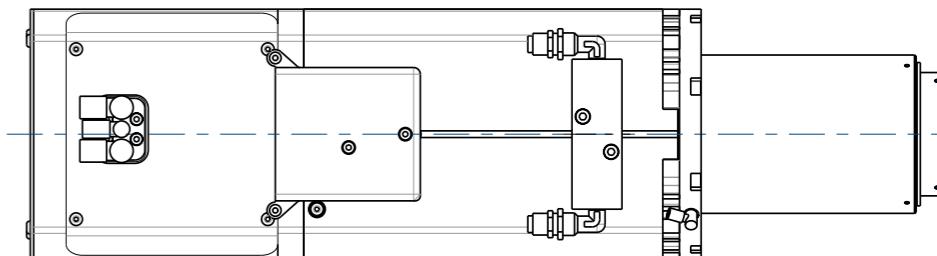
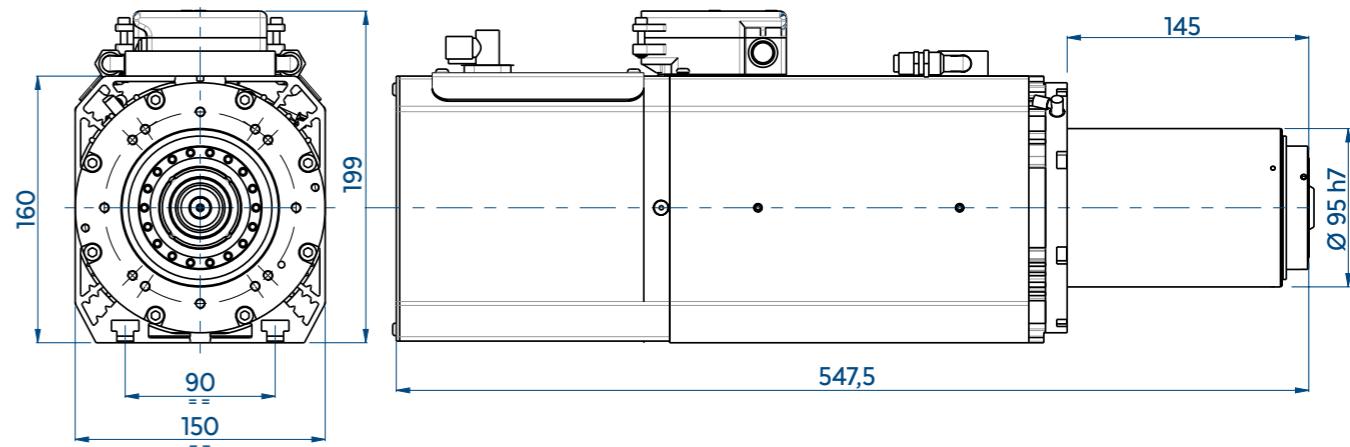
OPZIONALI OPTIONALS

- Plug & Play
PP connection Female
(machine side)

PRESTAZIONI PERFORMANCES



QF-2 12/6 18 63E NL PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	12	S6 kW	15
S1 Nm	19,1	S6 Nm	23,9
S1 A	28	S6 A	35
Volt	380		
Poles	4		
Supply	inverter		
rpm	18000		
kg	35		

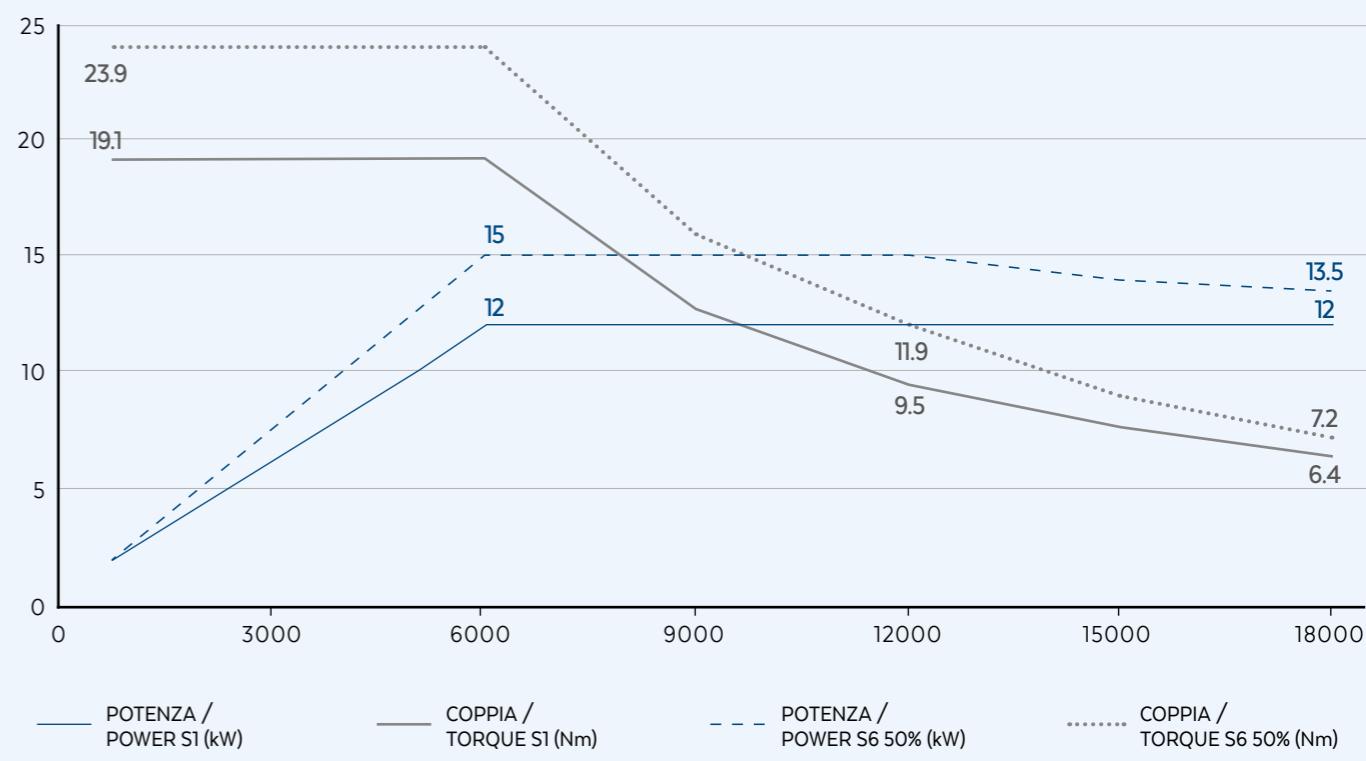
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63E
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS

- Plug & Play
PP connection Female
(machine side)

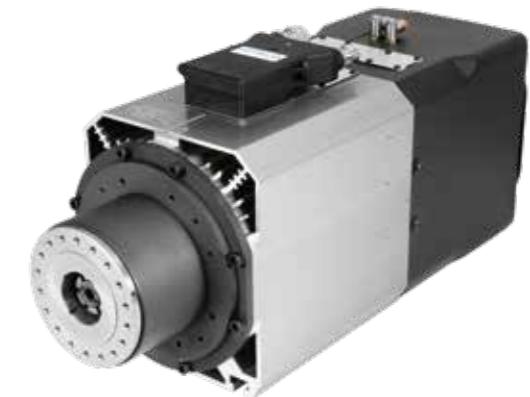
PRESTAZIONI PERFORMANCES



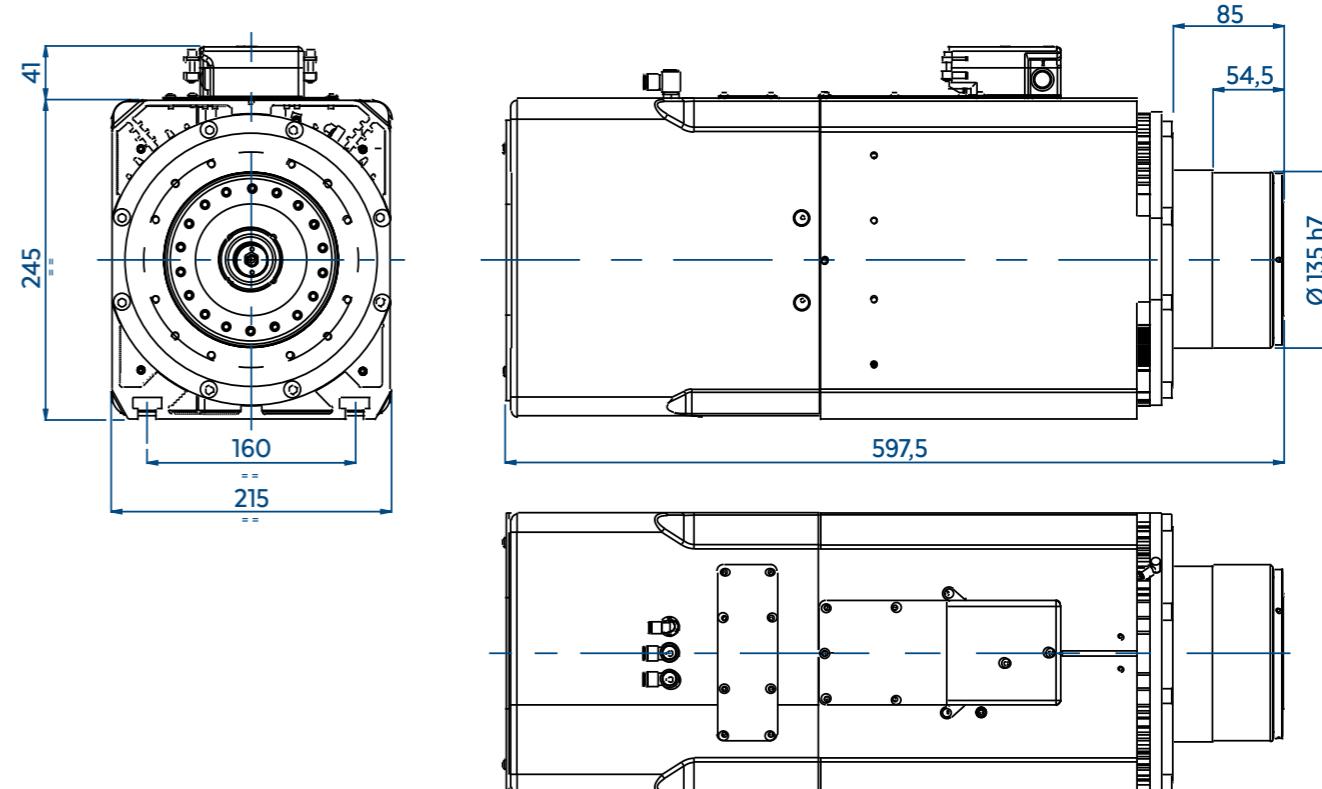
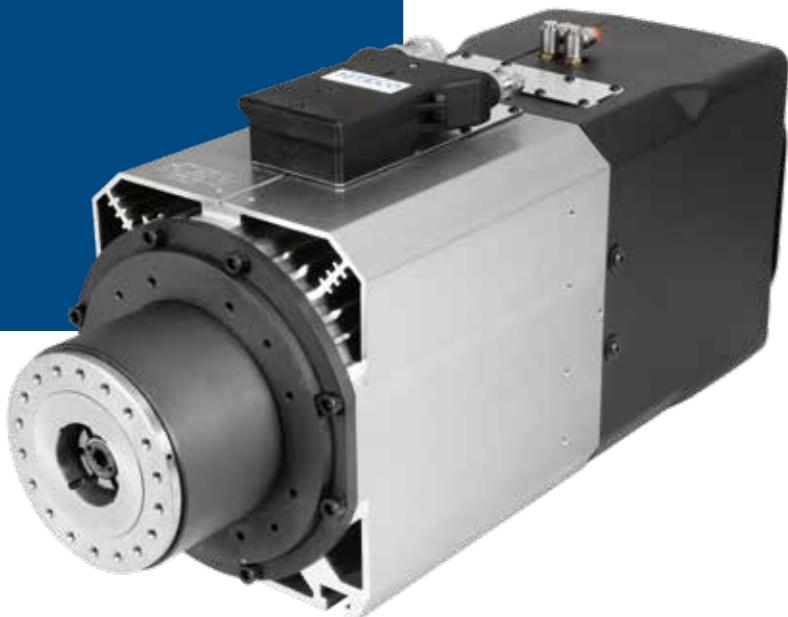
POWERTECH 600

HIGH TORQUE
AIR COOLING

- QM-1F 11/6 10 80F NC PP p.**80**
- QM-1F 18/6 12 80F NC PP p.**82**



QM-1F 11/6 10 80F NC PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	11	S6 kW	13
S1 Nm	19,1	S6 Nm	24,6
S1 A	25	S6 A	33
Volt	380		
Poles	4		
Supply	inverter		
rpm	10000		
kg	70		

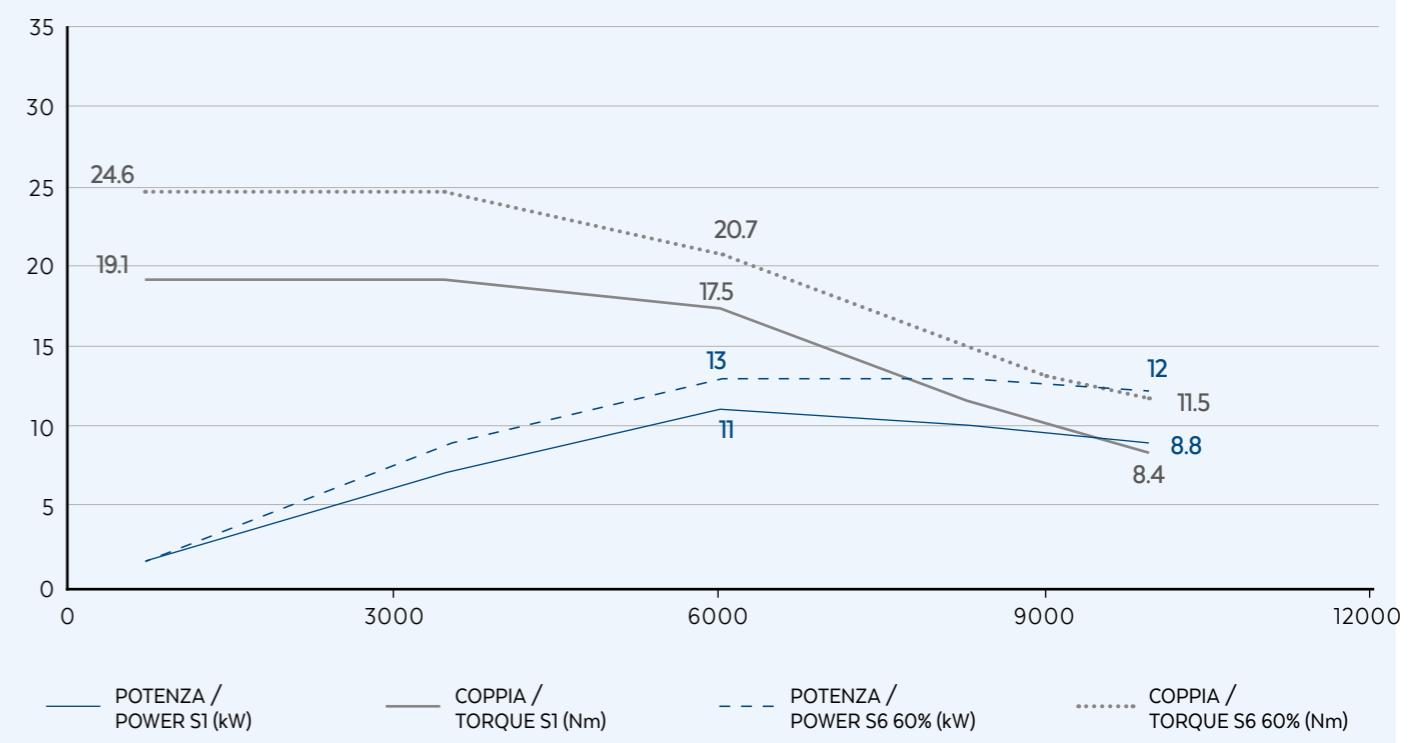
EQUIPAGGIAMENTO EQUIPMENT

- HSK 80F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

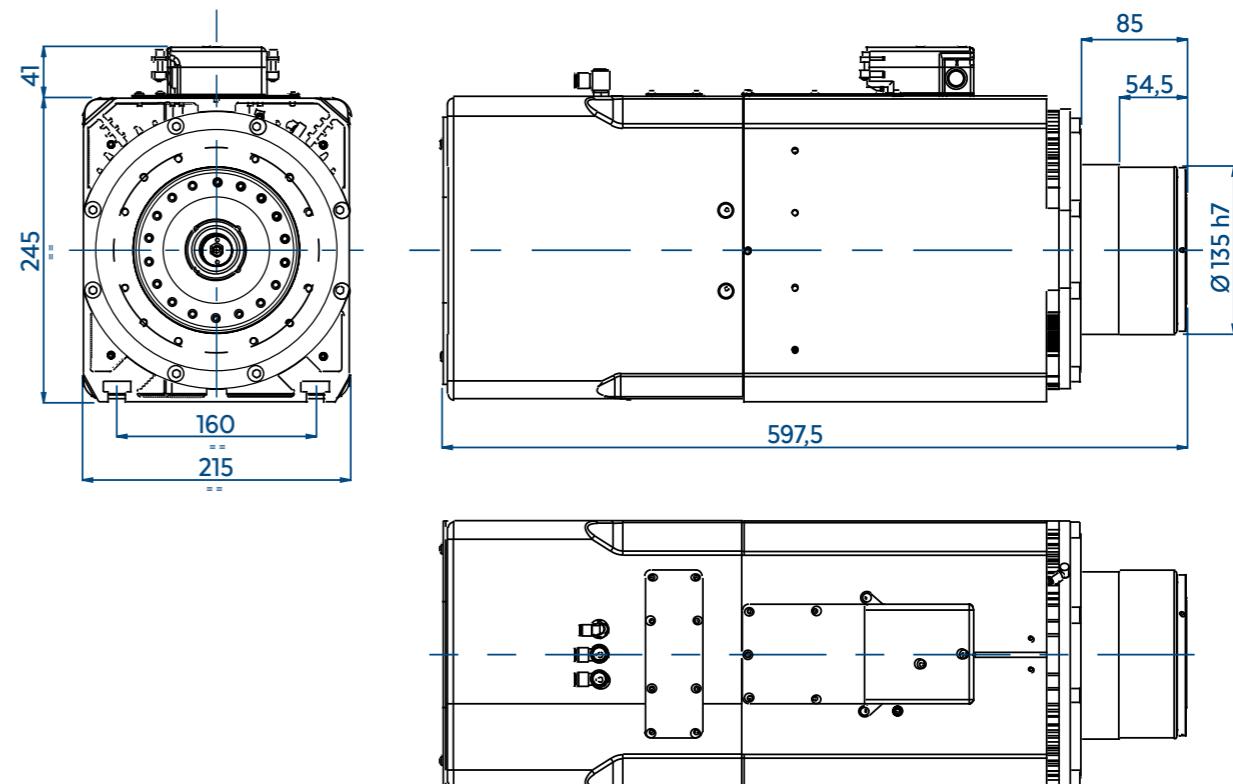
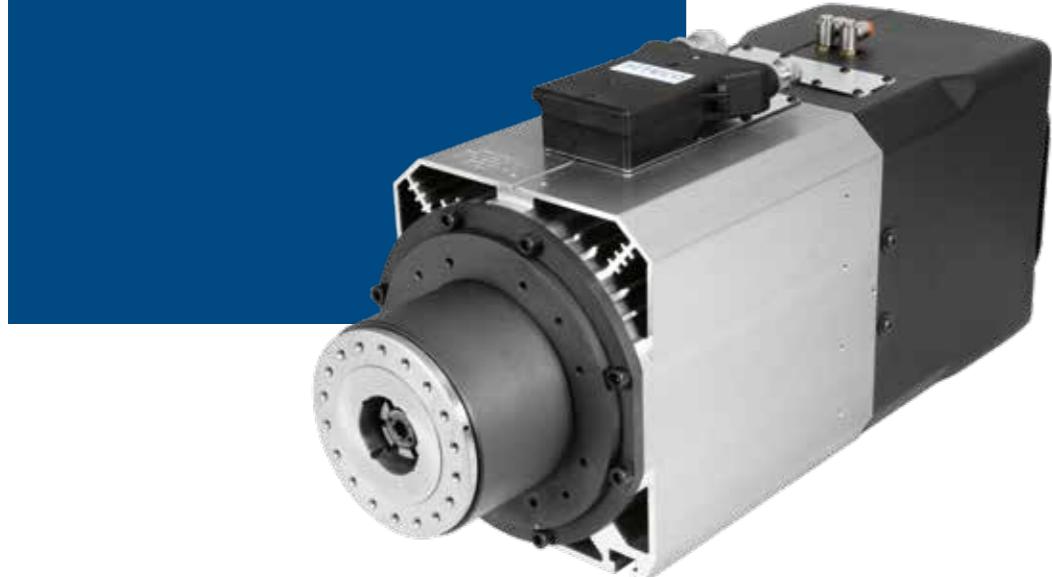
OPZIONALI OPTIONALS

- Plug & Play
PP connection Female
(machine side)

PRESTAZIONI PERFORMANCES



QM-1F 18/6 12 80F NC PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	18
S6	kW	21
S1	Nm	30
S6	Nm	33,6
S1	A	37
S6	A	42
Volt		380
Pol	es	4
Supply		inverter
rpm		12000
kg		70

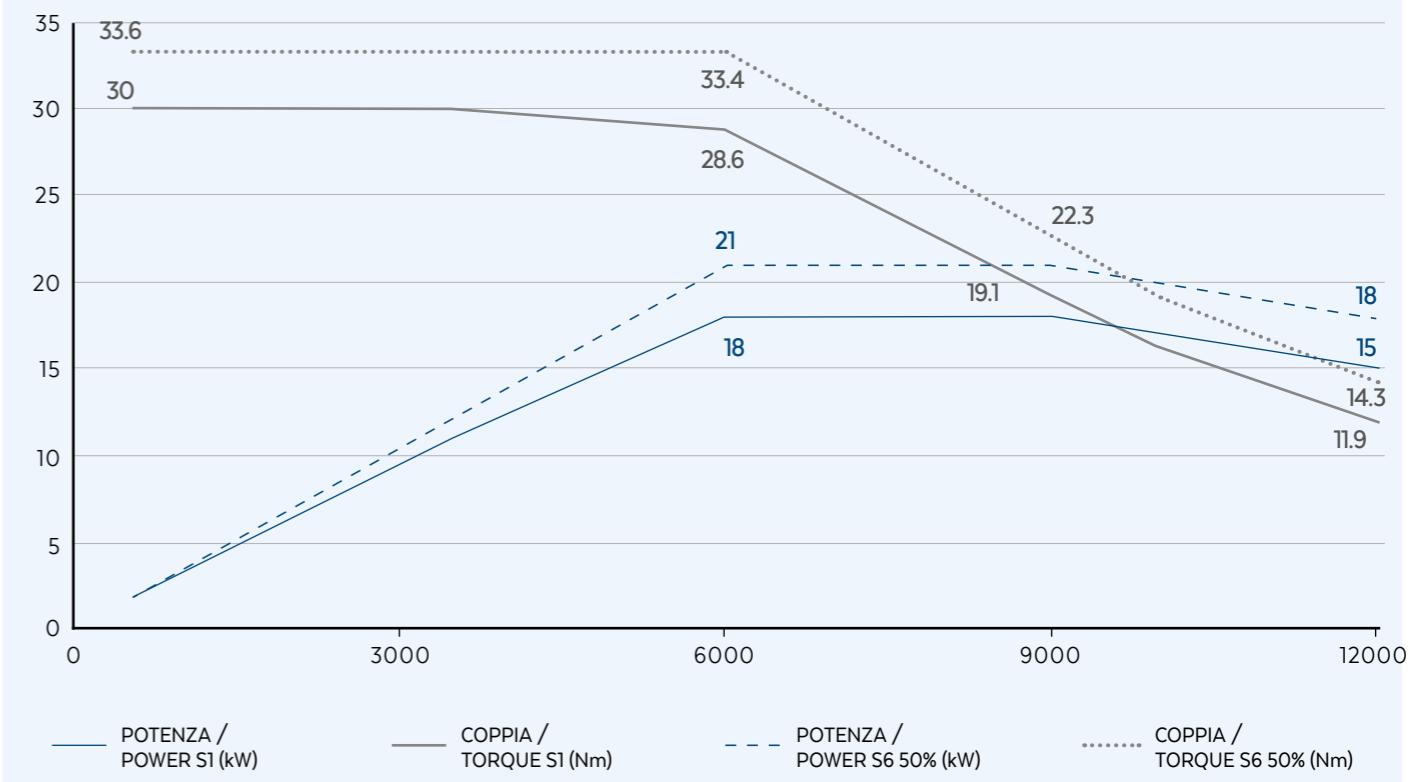
EQUIPAGGIAMENTO EQUIPMENT

- HSK 80F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento con elettroventola
Electrofan cooling

OPZIONALI OPTIONALS

- Plug & Play
PP connection Female
(machine side)

PRESTAZIONI PERFORMANCES



ROBOTECH

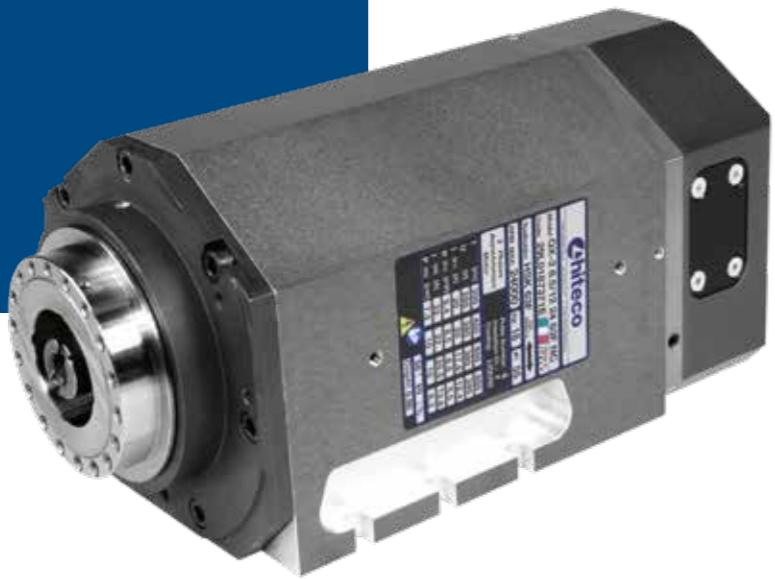
HIGH SPEED LIQUID COOLING

- QX-2 8.5/12 24 63F NC SC p.**86**
- QX-2 10/12 24 63F NC SC p.**88**
- QX-2 11/12 24 63F NC SC p.**90**
- PX-2 12/12 24 63F NC SC p.**92**
- PX-2 15/12 24 63F NC SC p.**94**
- PX-2 18/12 24 63F NC SC p.**96**
- PX-2 20/10 24 63A NC SC (SYNC) p.**98**
- HX-2 12/12 24 63F NC SC p.**100**
- HX-2 15/12 24 63F NC SC p.**102**
- HX-2 18/12 24 63F NC SC p.**104**
- HX-2 20/10 24 63A NC SC (SYNC) p.**106**
- HX-2 12/12 24 63F NC 3AXIS CC p.**108**
- HX-2 15/12 24 63F NC 3AXIS CC p.**110**
- HX-2 18/12 24 63F NC 3AXIS CC p.**112**
- HX-2 20/10 24 63A NC 3AXIS CC (SYNC) p.**114**

HIGH TORQUE LIQUID COOLING

- PX-2 10/7 24 63F NC SC p.**116**
- HX-2 10/7 24 63F NC SC p.**118**
- HX-2 10/7 24 63F NC 3AXIS CC p.**120**
- QT-2 13/6 16 63E NC SC p.**122**
- QT-2 25/7 16 63E NC SC (SYNC) p.**124**
- QM-2 30/6 13 80F NC PP p.**126**



QX-2 8.5/12 24 63F NCSPECIFICHE TECNICHE
TECHNICAL SPECIFICATIONS

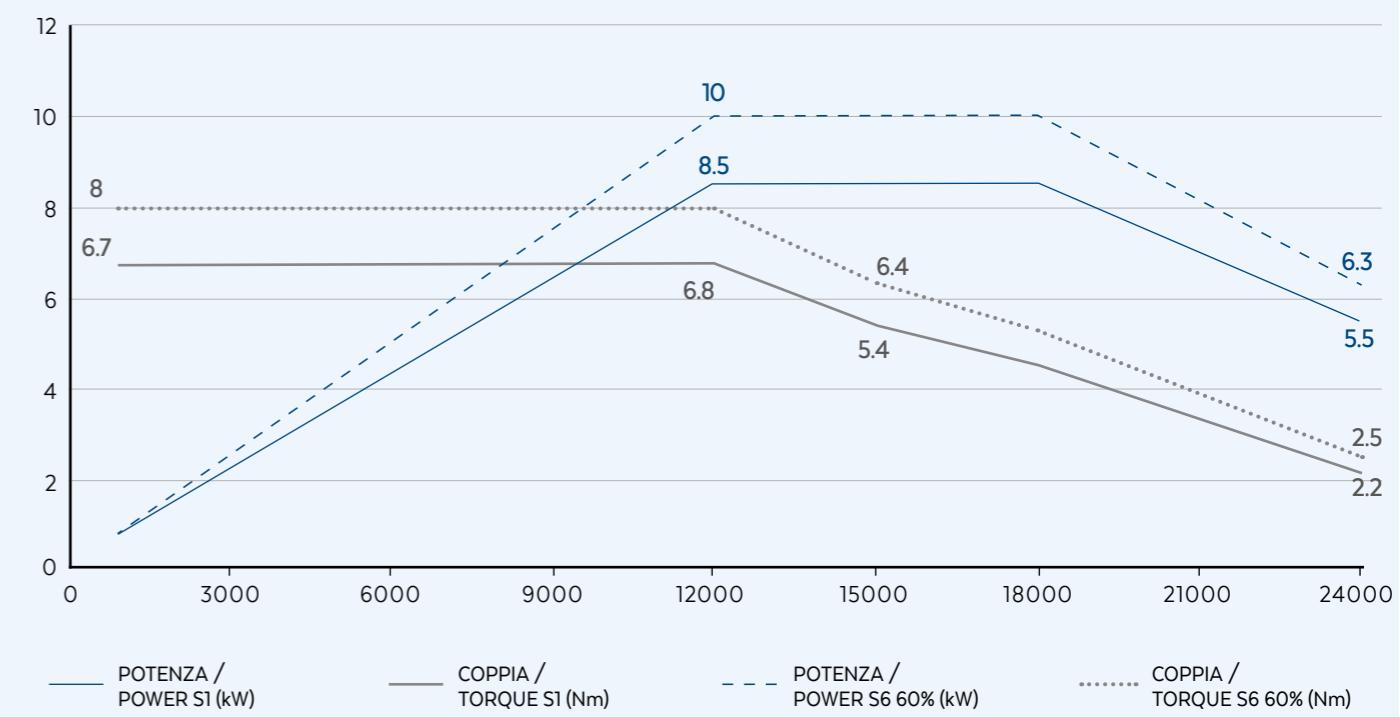
S1 kW	8.5	S6 kW	10
S1 Nm	6.8	S6 Nm	8
S1 A	20	S6 A	22
Volt	380		
Pol es	4		
Supply inverter			
rpm	24000		
kg	18		

EQUIPAGGIAMENTO
EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

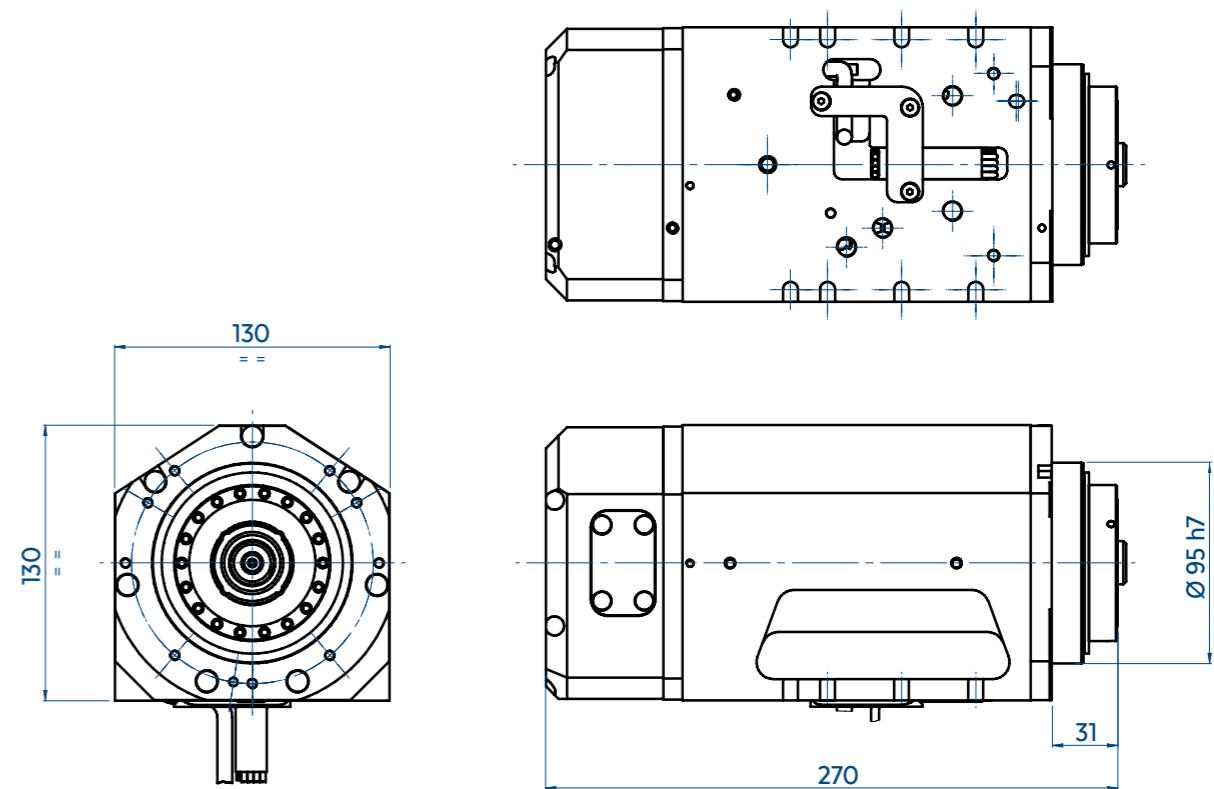
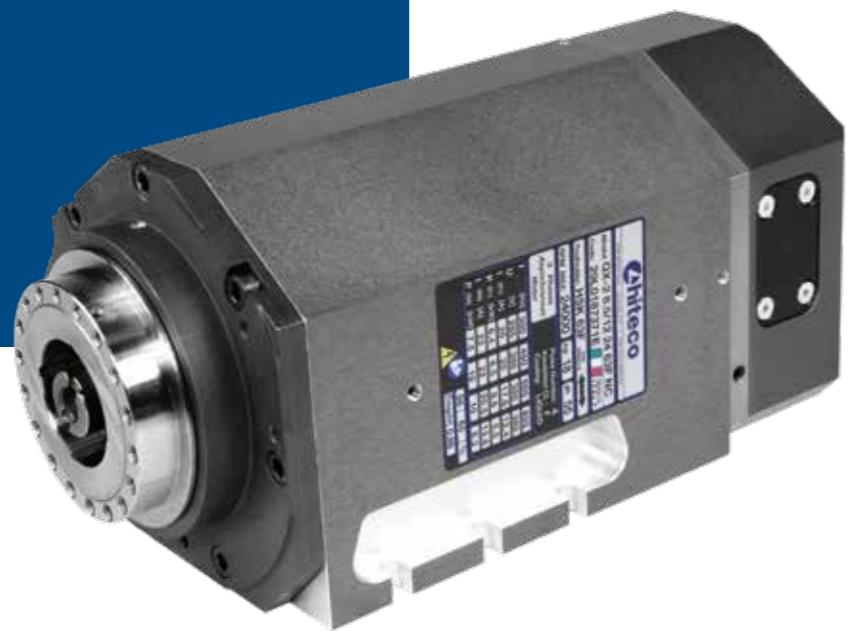
OPZIONALI
OPTIONALS

- Encoder
1Vpp or TTL*
- Voltage 220V

PRESTAZIONI
PERFORMANCES

*Quando l'unità è completa di encoder, le dimensioni cambiano rispetto a quelle rappresentate nel layout.
*When the unit is with encoder the layout differs from the one represented in the plan.

QX-2 10/12 24 63F NC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	10
S1	Nm	8
S1	A	23
Volt		380
Poles		4
Supply	inverter	
rpm		24000
kg		19

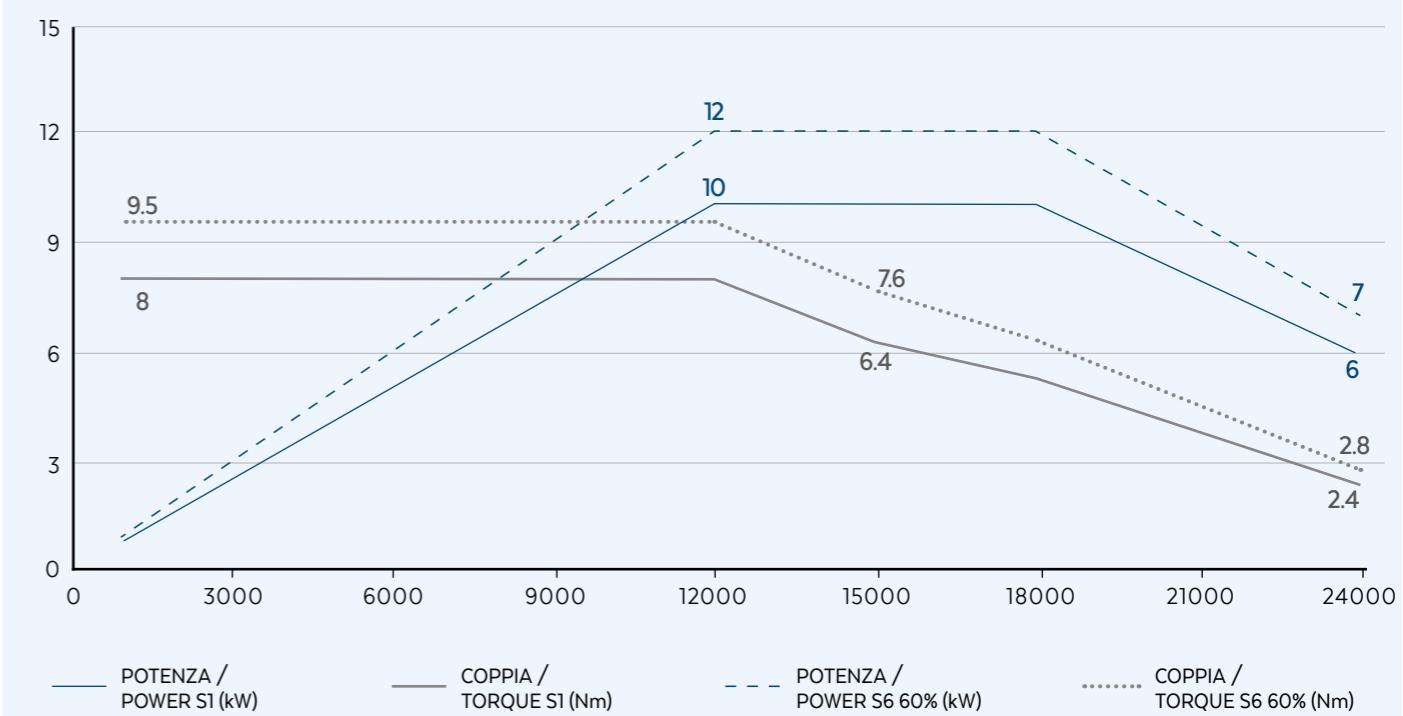
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS

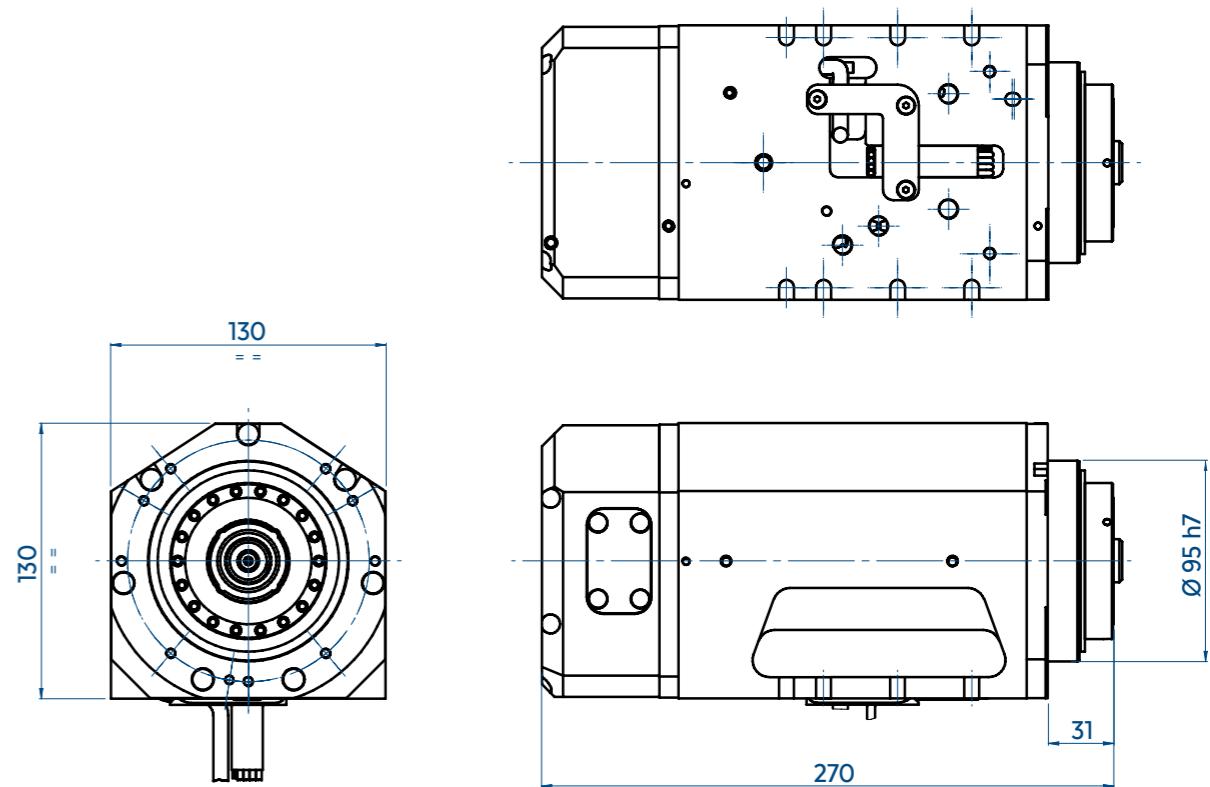
- Encoder
1Vpp or TTL*
- Voltage 220V

PRESTAZIONI PERFORMANCES



*Quando l'unità è completa di encoder, le dimensioni cambiano rispetto a quelle rappresentate nel layout.
*When the unit is with encoder the layout differs from the one represented in the plan.

QX-2 11/12 24 63F NC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	11
S6	kW	13,5
S1	Nm	8,8
S6	Nm	10,7
S1	A	24,5
S6	A	29,5
Volt		380
Pol	es	4
Supply		inverter
rpm		24000
kg		19

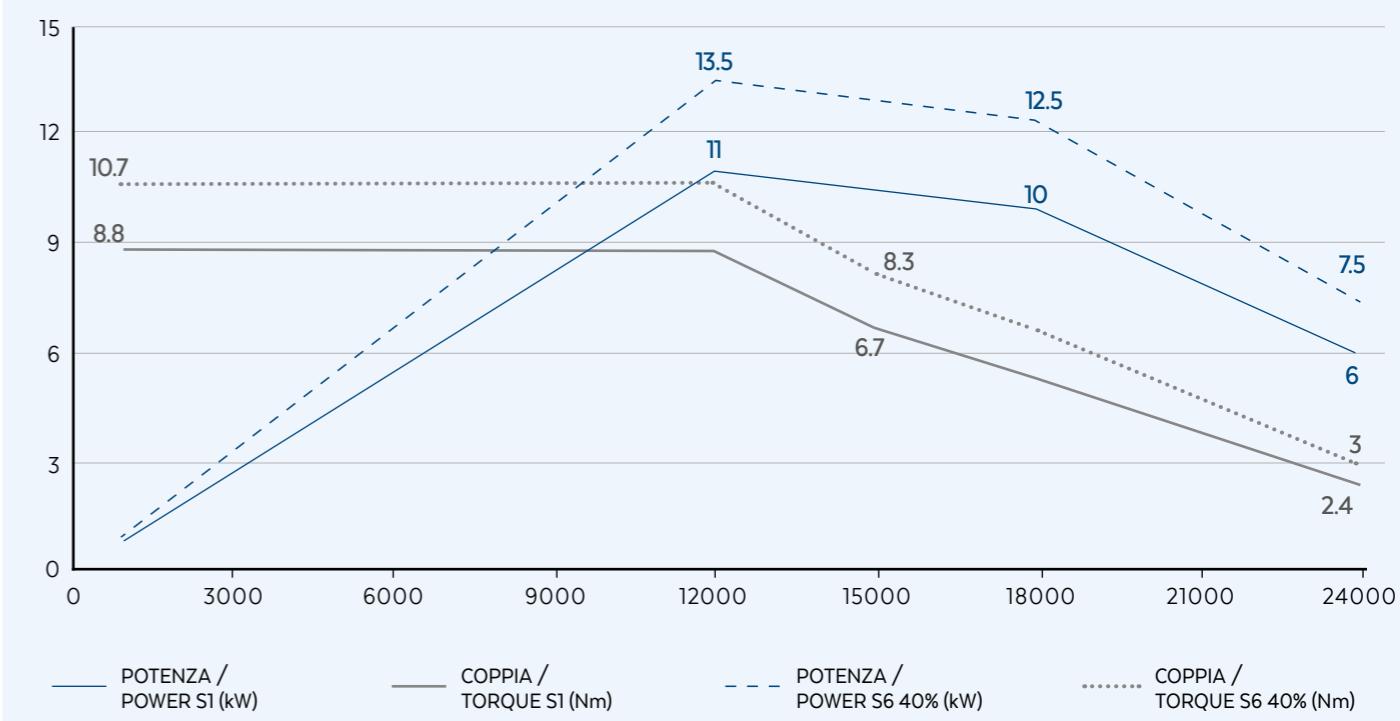
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

OPZIONALI OPTIONALS

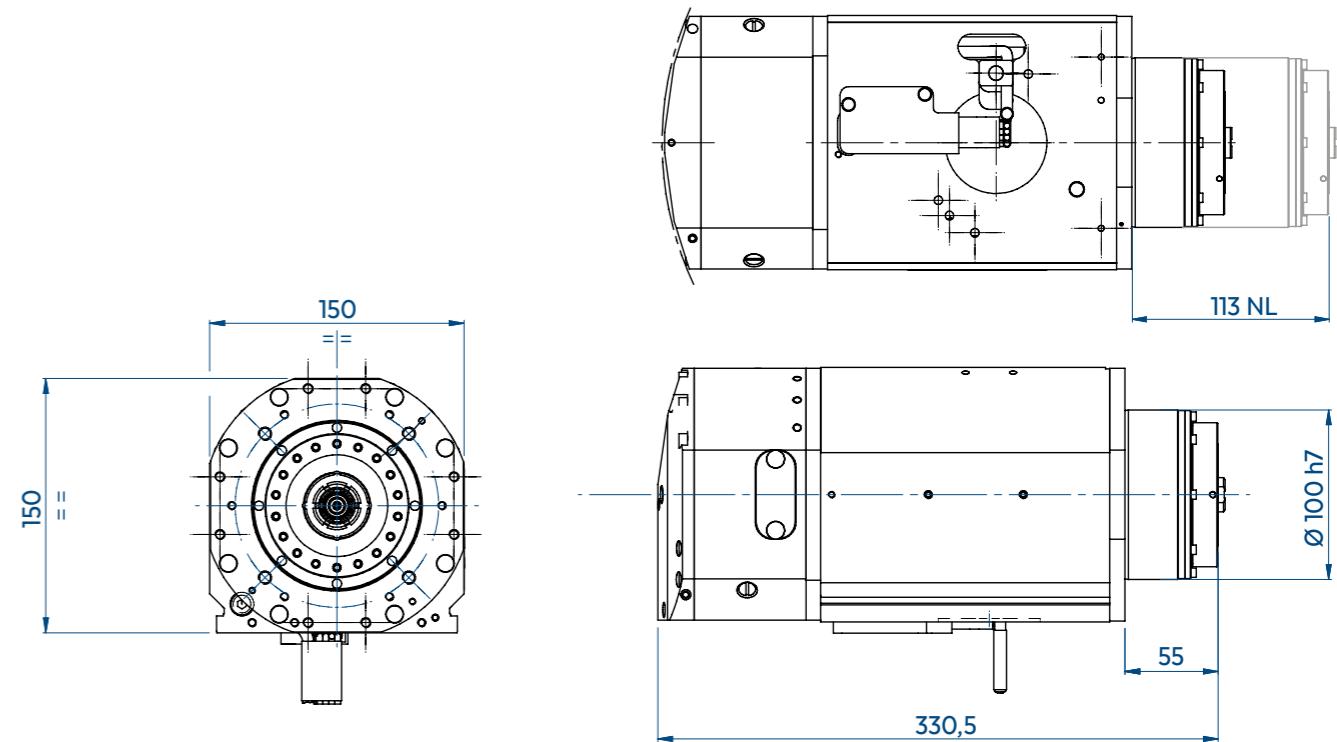
- Encoder
1Vpp or TTL*

PRESTAZIONI PERFORMANCES



*Quando l'unità è completa di encoder, le dimensioni cambiano rispetto a quelle rappresentate nel layout.
*When the unit is with encoder the layout differs from the one represented in the plan.

PX-2 12/12 24 63F NC SC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	12
S6	kW	14
S1	Nm	9,5
S6	Nm	11,1
S1	A	26
S6	A	29
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

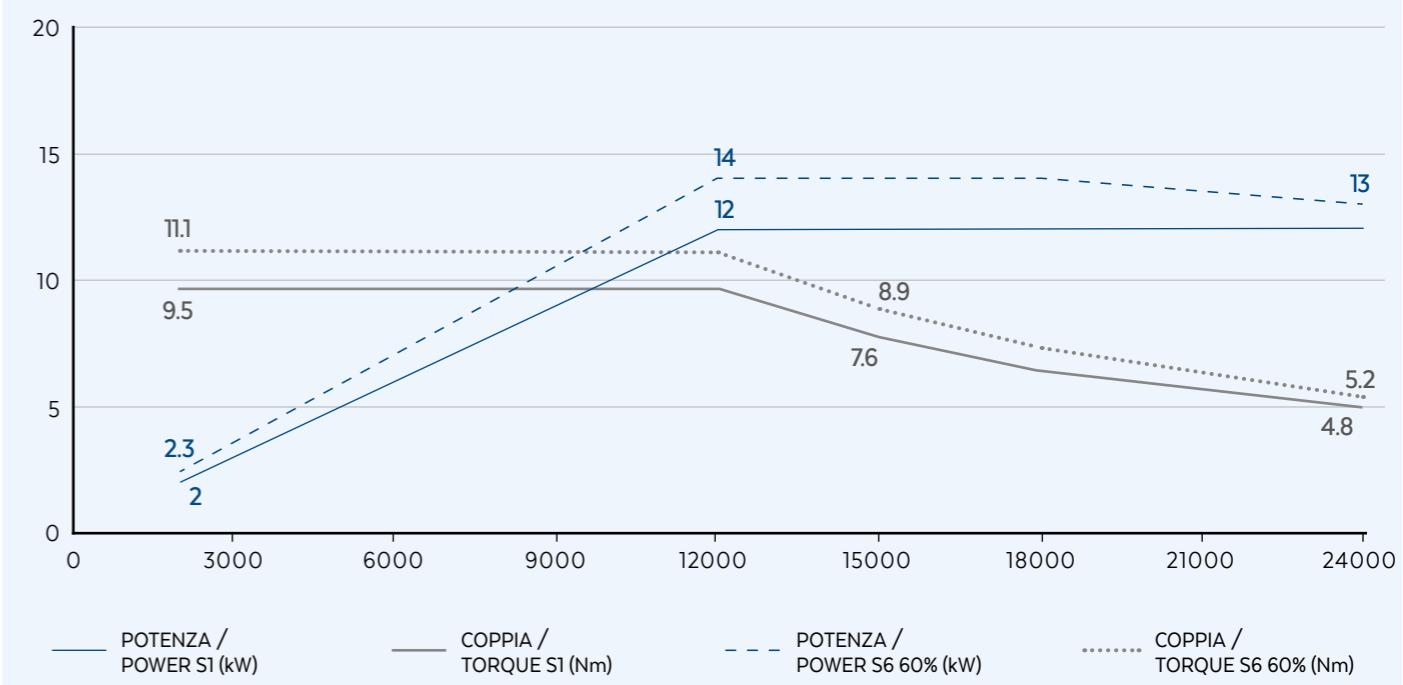
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

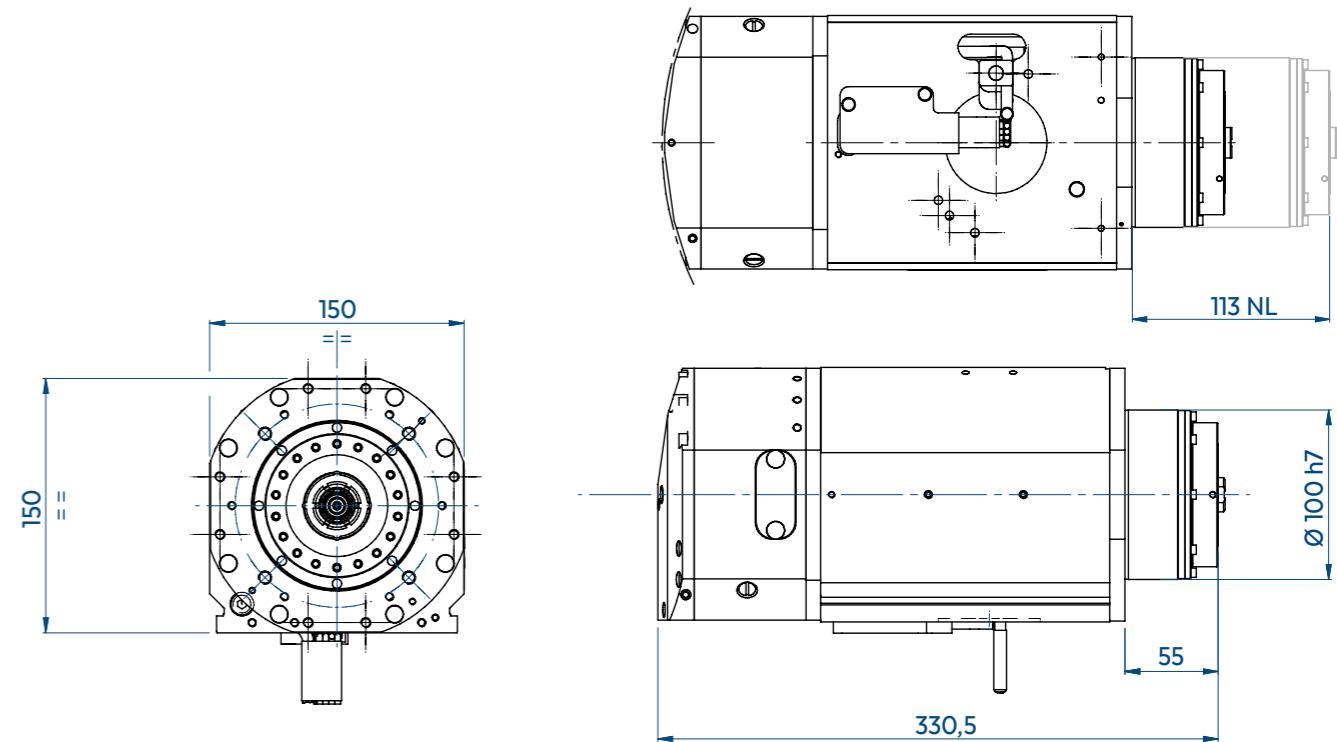
OPZIONALI OPTIONALS

- Encoder 1Vpp or TTL
- Naso lungo
Long nose
- Oil mist/MQL
- Air tool

PRESTAZIONI PERFORMANCES



PX-2 15/12 24 63F NC SC



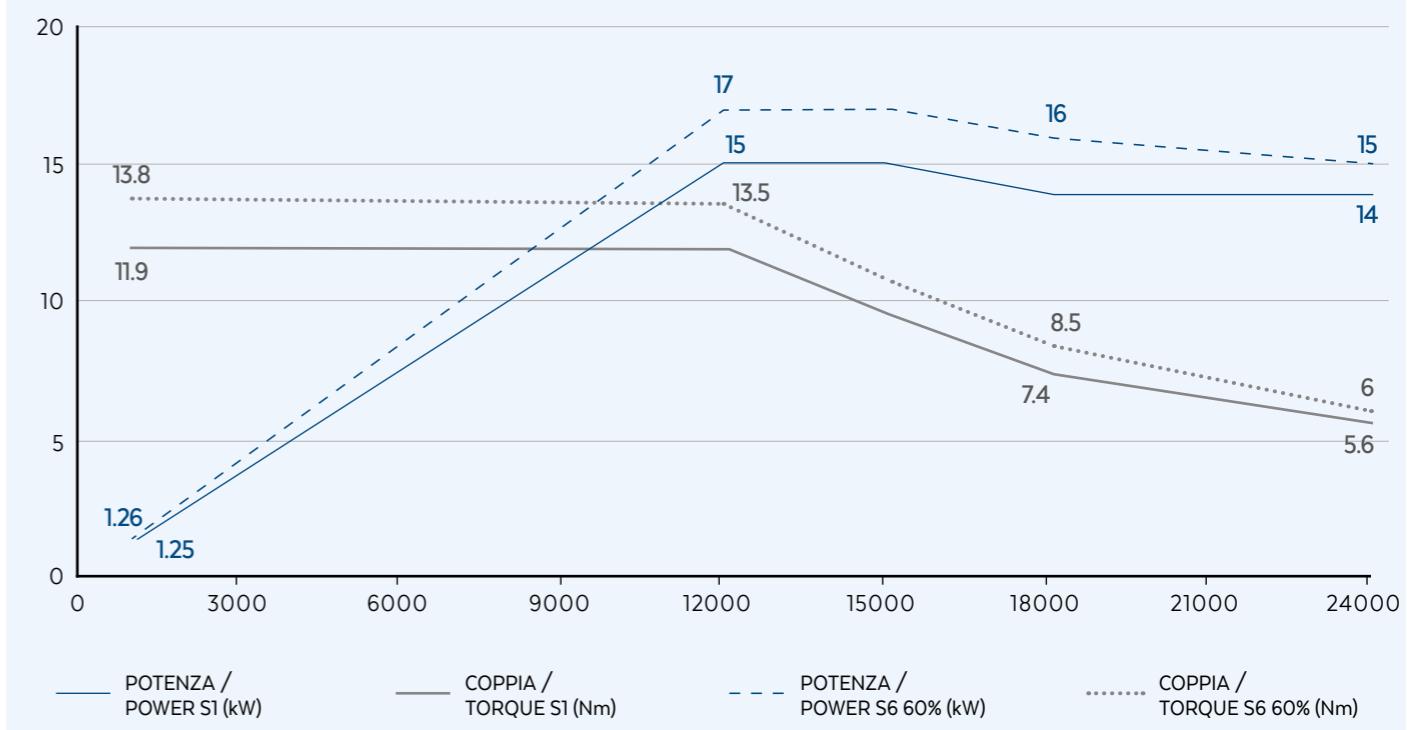
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	15
S6	kW	17
S1	Nm	11,9
S6	Nm	13,8
S1	A	30
S6	A	33
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

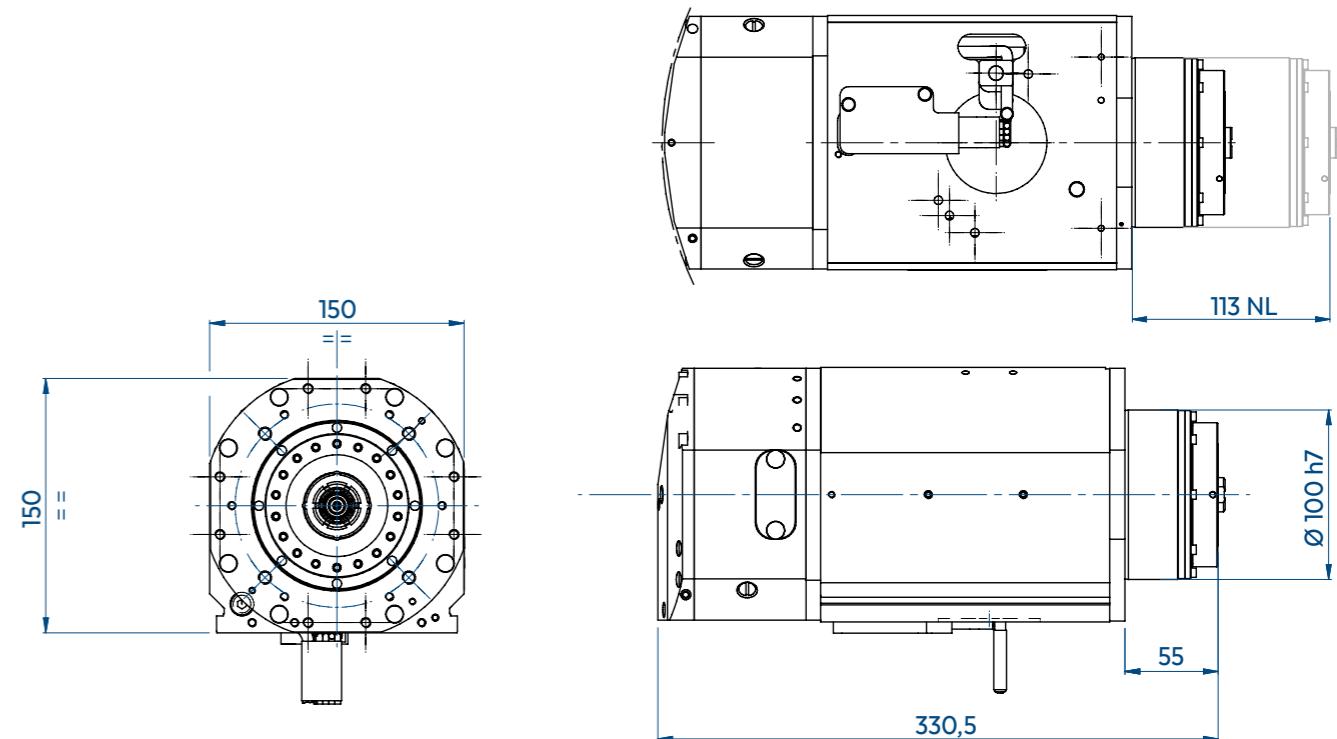
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	Oil mist/MQL
	Air tool
	HSK 63E for NC
	HSK 63A

PRESTAZIONI PERFORMANCES



PX-2 18/12 24 63F NC SC



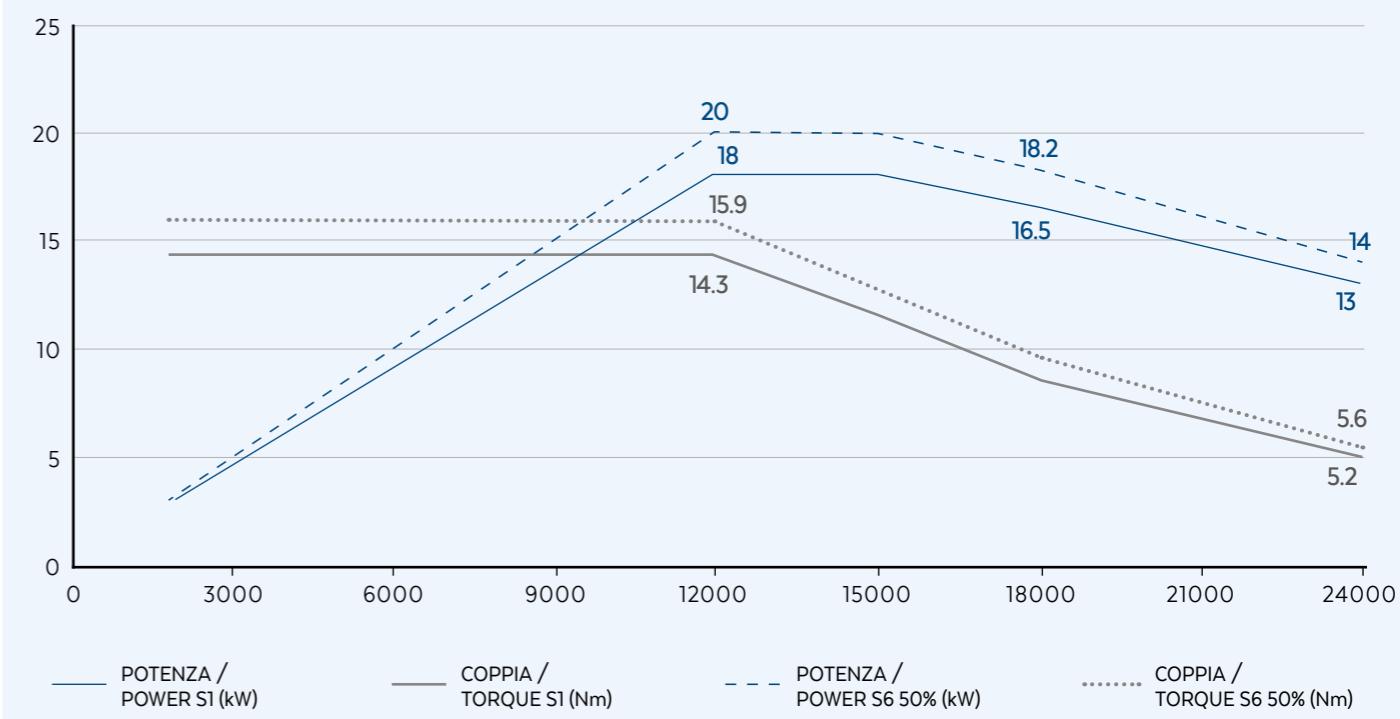
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	18
S6	kW	20
S1	Nm	14,3
S6	Nm	15,9
S1	A	35
S6	A	38,5
Volt		380
Pol	es	4
Supply		inverter
rpm		24000
kg		25

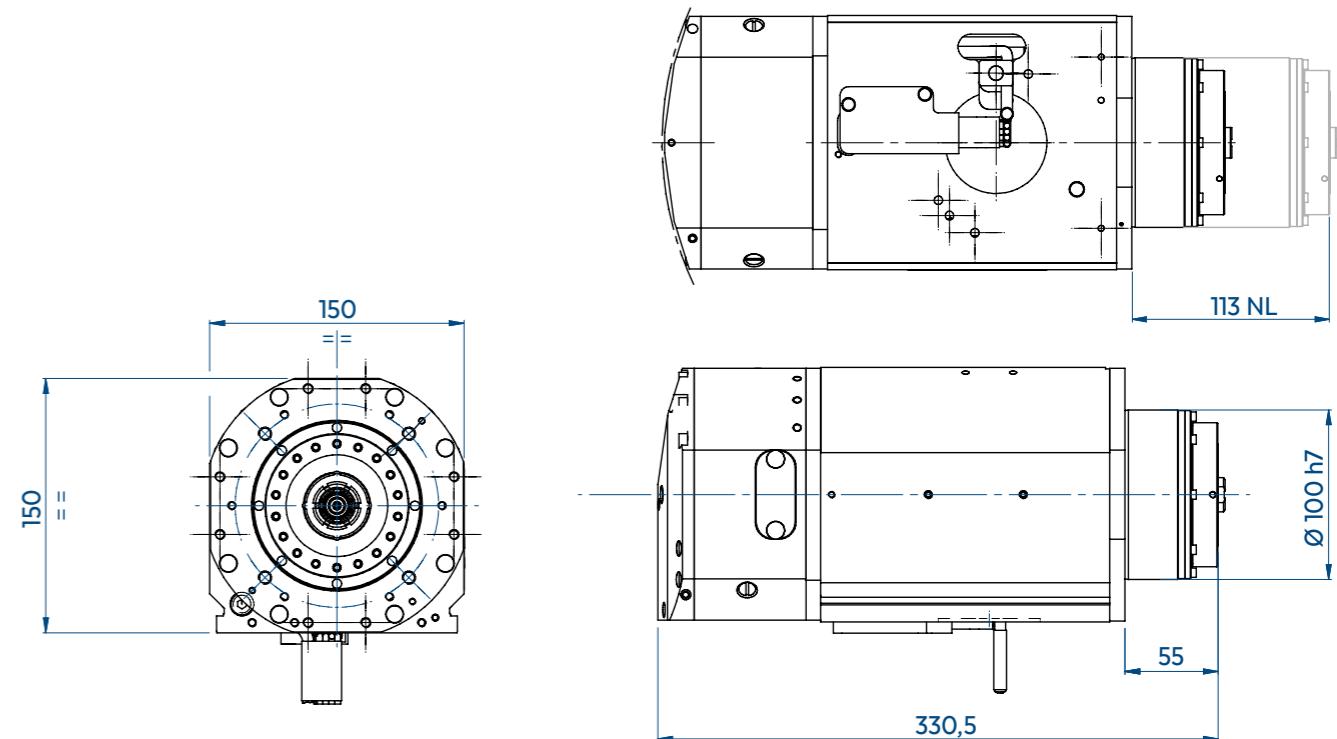
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	Oil mist/MQL
	Air tool
	HSK 63E for NC
	HSK 63A

PRESTAZIONI PERFORMANCES



PX-2 20/10 24 63A NC SC SYNCRONOUS



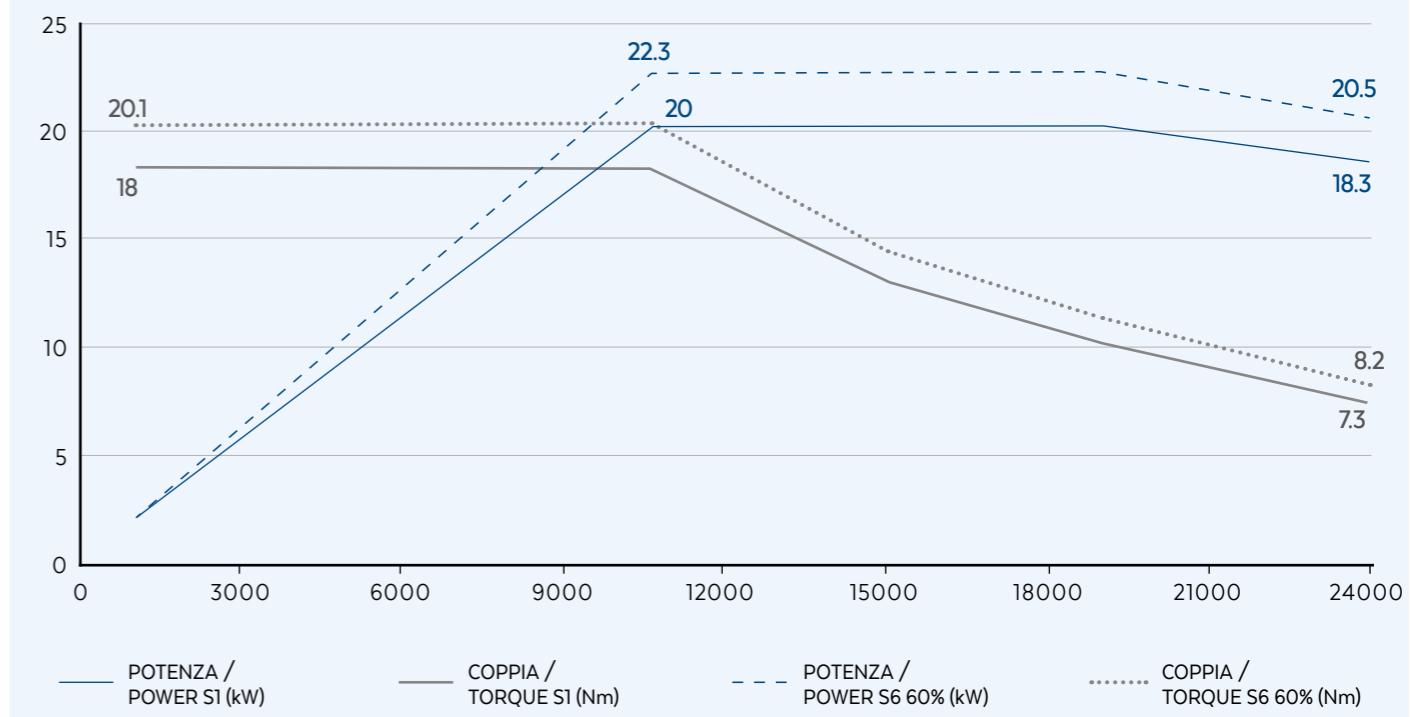
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	20	S6 kW	22,3
S1 Nm	17,8	S6 Nm	20,1
S1 A	48	S6 A	50
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	25		

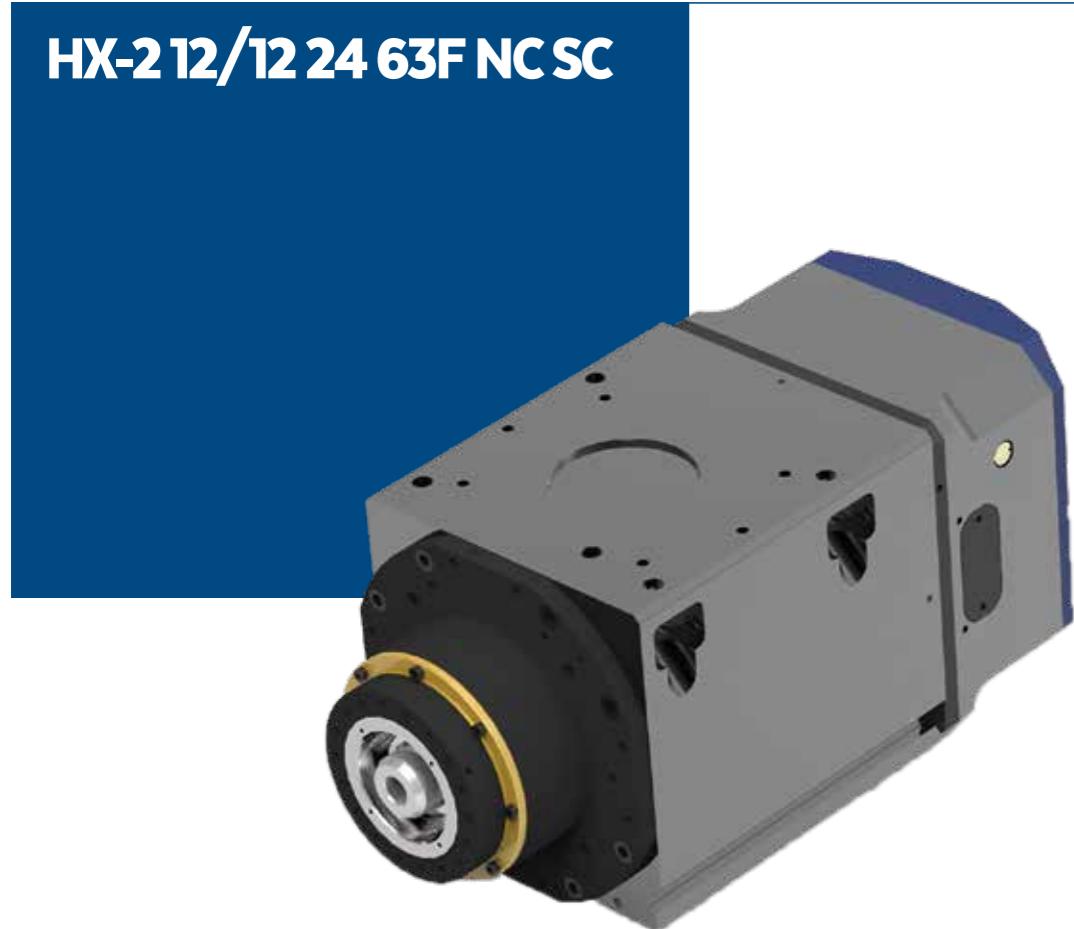
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63A
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp
	Naso lungo Long nose
	Oil mist/MQL
	Air tool
	HSK 63E for NC

PRESTAZIONI PERFORMANCES



HX-2 12/12 24 63F NC SC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	12
S6	kW	14
S1	Nm	9,5
S6	Nm	11,1
S1	A	26
S6	A	29
Volt		380
Pol		4
Supply		inverter
rpm		24000
kg		25

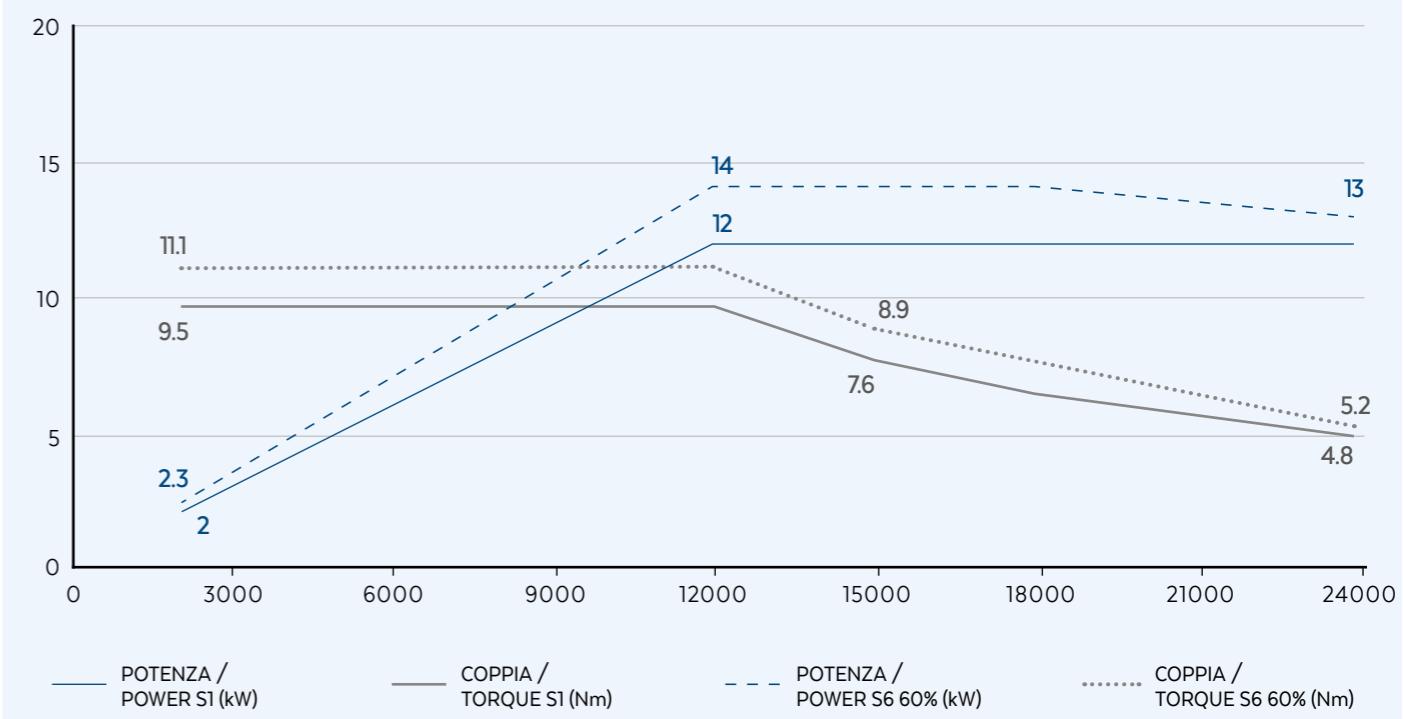
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling

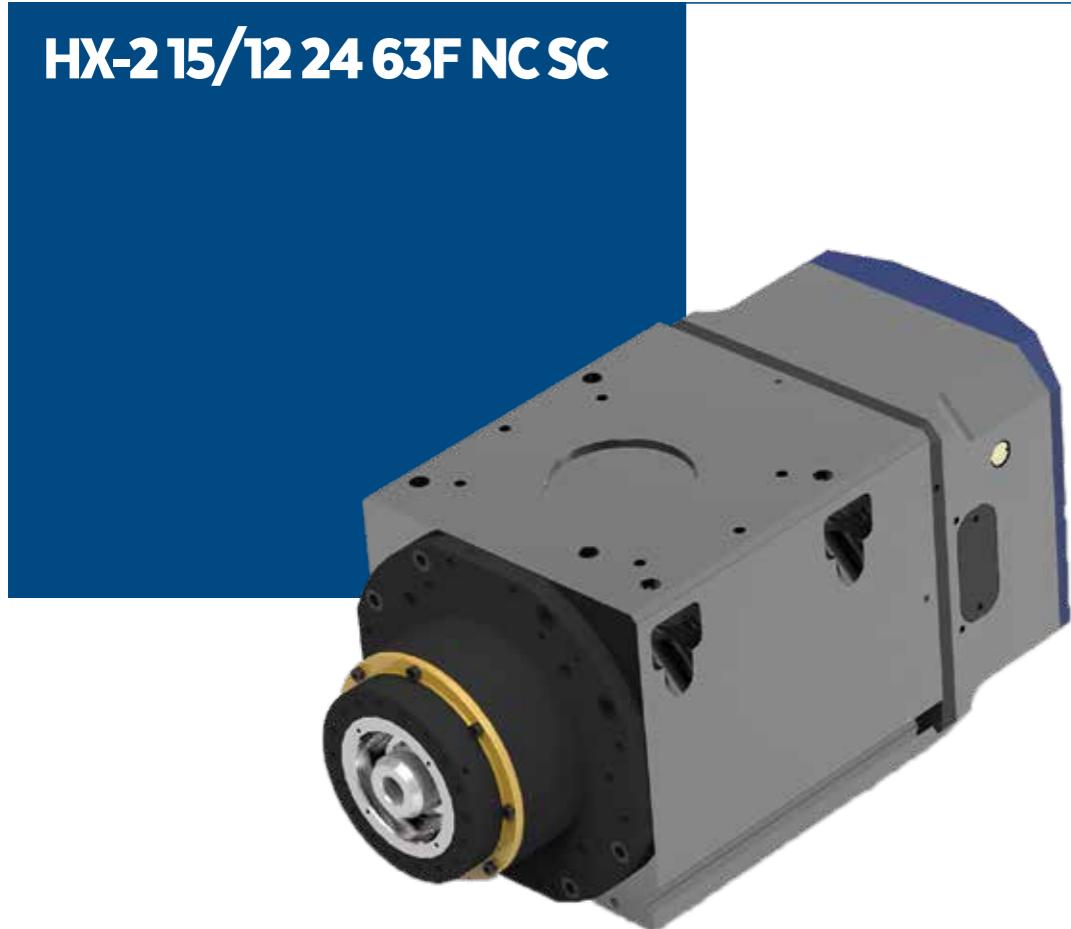
OPZIONALI OPTIONALS

- | | |
|---------------------|----------------------|
| Encoder 1Vpp or TTL | Naso lungo Long nose |
| Oil mist/MQL | Air tool |

PRESTAZIONI PERFORMANCES



HX-2 15/12 24 63F NC SC



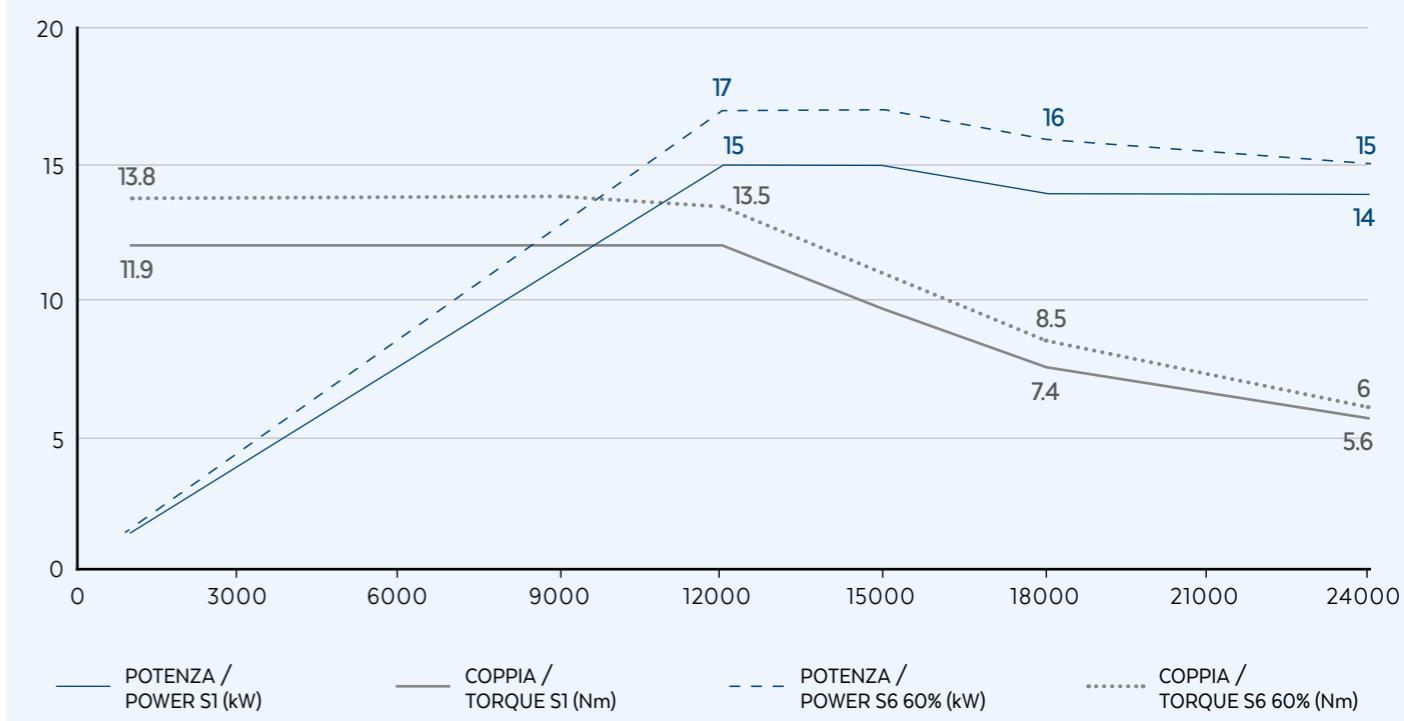
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	15
S1	Nm	11,9
S1	A	30
Volt		380
Pol	es	4
Supply	inverter	
rpm		24000
kg		25

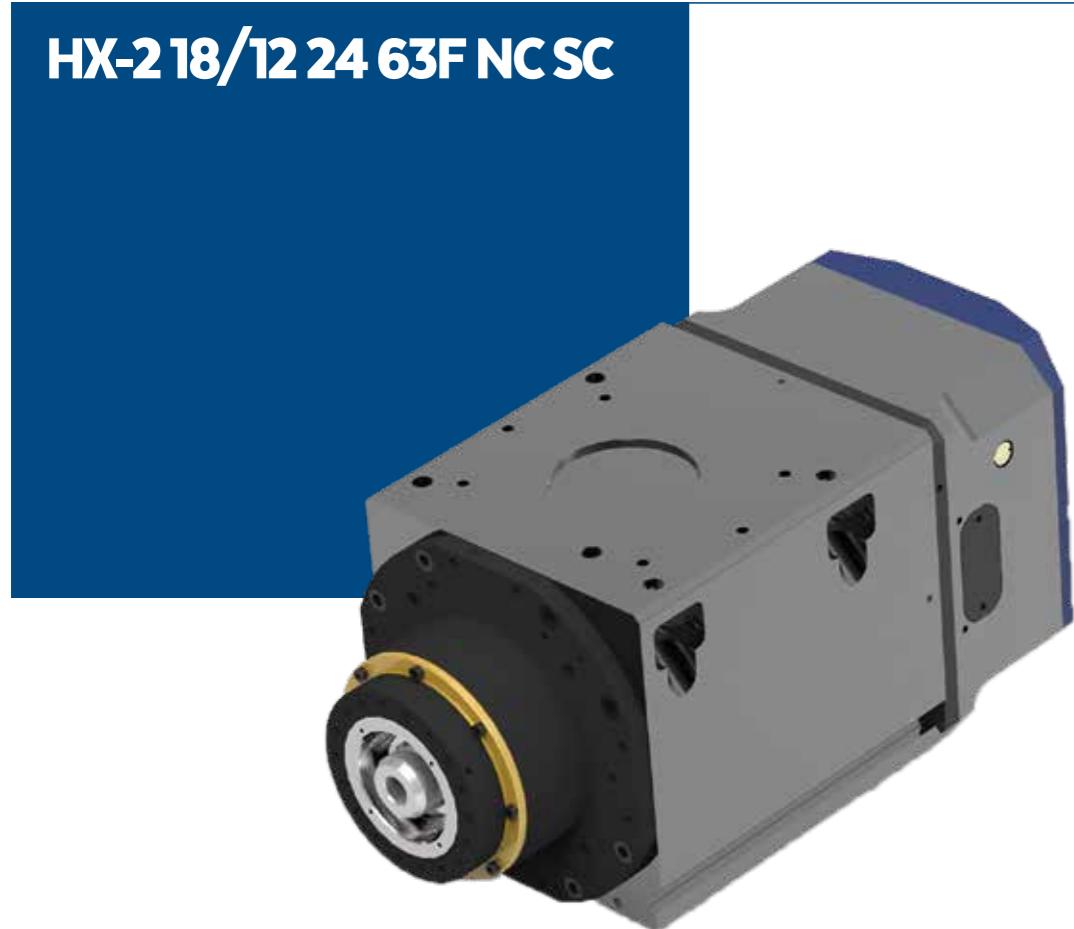
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	Oil mist/MQL
	Air tool
	HSK 63E for NC
	HSK 63A

PRESTAZIONI PERFORMANCES



HX-2 18/12 24 63F NC SC



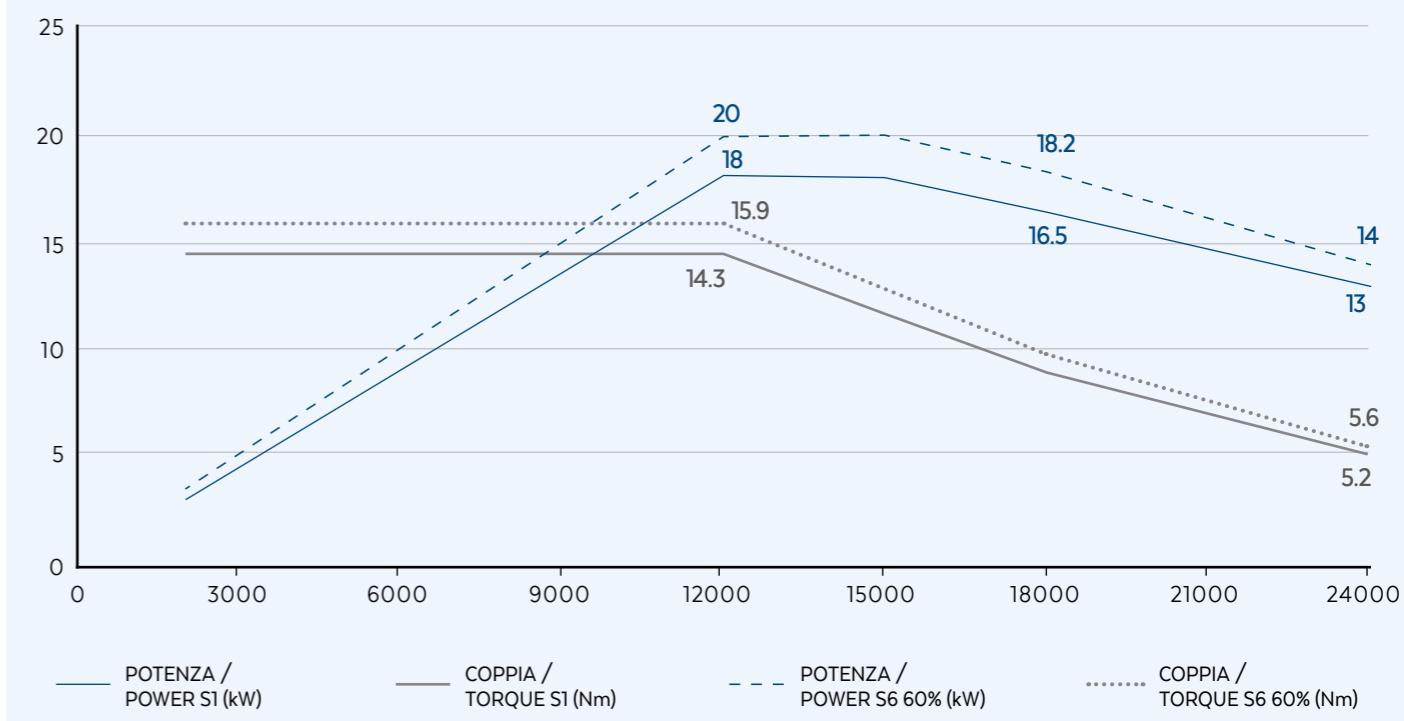
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	18
S6	kW	20
S1	Nm	14,3
S6	Nm	15,9
S1	A	35
S6	A	38,5
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

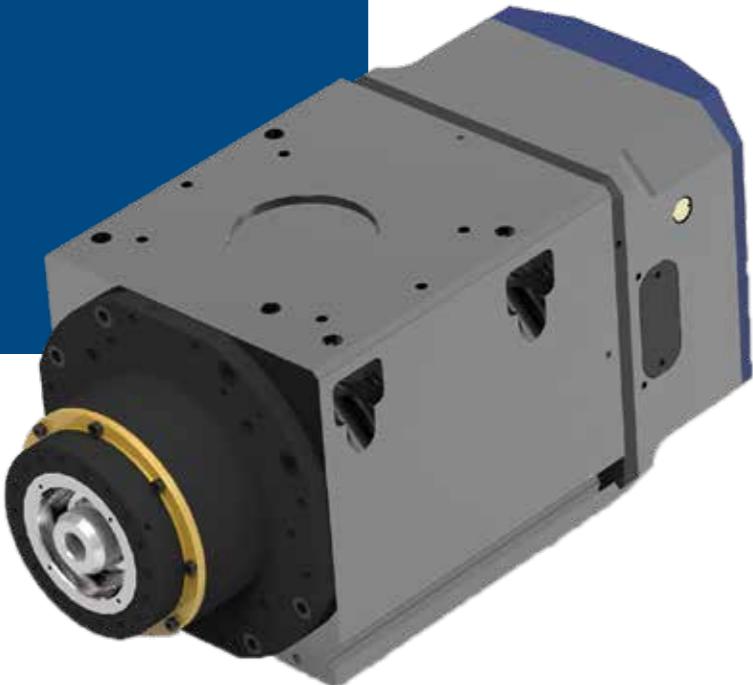
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63F
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	Oil mist/MQL
	Air tool
	HSK 63E for NC
	HSK 63A

PRESTAZIONI PERFORMANCES



HX-2 20/10 24 63A NC SC SYNCRONOUS



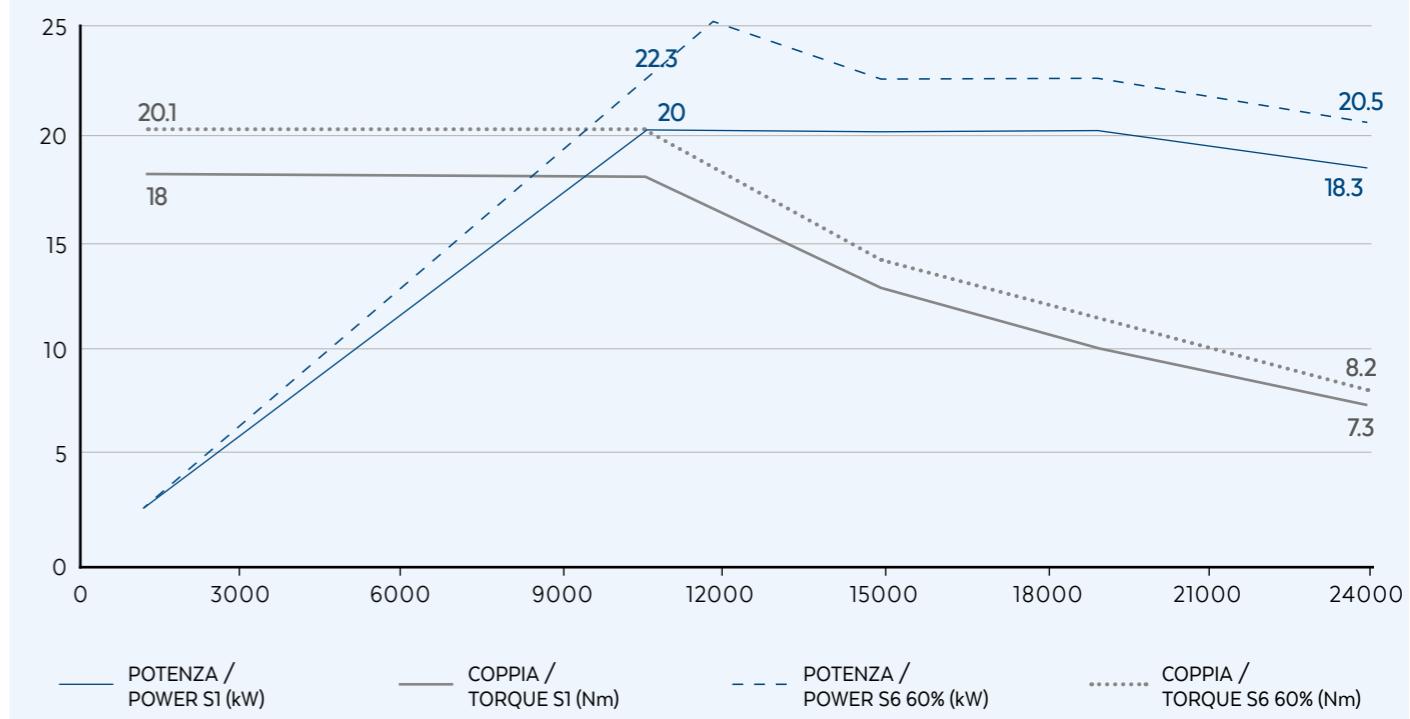
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	20
S6	kW	22,3
S1	Nm	17,8
S6	Nm	20,1
S1	A	48
S6	A	50
Volt		380
Poles		4
Supply	inverter	
rpm		24000
kg		25

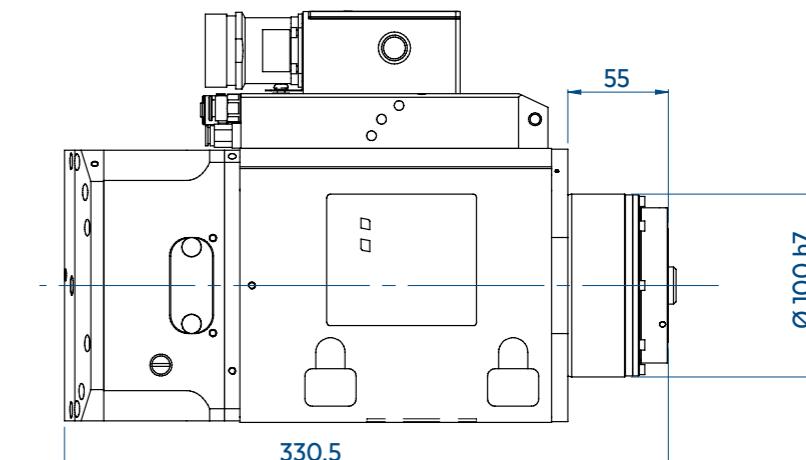
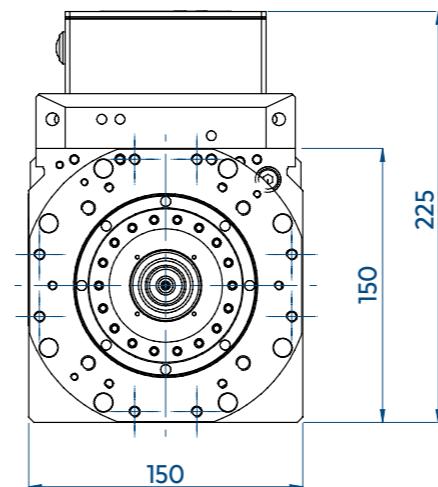
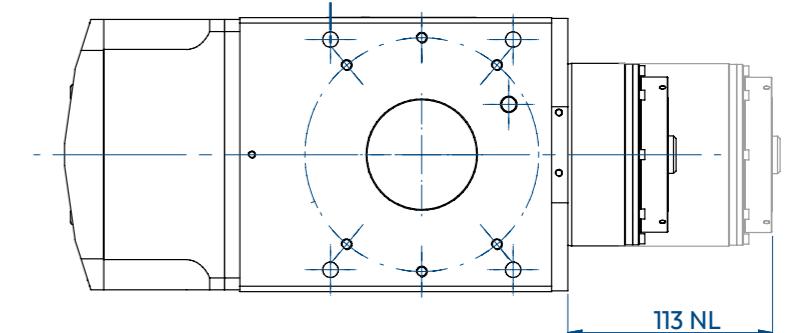
EQUIPAGGIAMENTO EQUIPMENT

	HSK 63A
	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
OPZIONALI OPTIONALS	
	Encoder 1Vpp
	Naso lungo Long nose
	Oil mist/MQL
	Air tool
	HSK 63E for NC

PRESTAZIONI PERFORMANCES



HX-2 12/12 24 63F NC 3 AXIS CC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	12
S6	kW	14
S1	Nm	9,5
S6	Nm	11,1
S1	A	26
S6	A	29
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

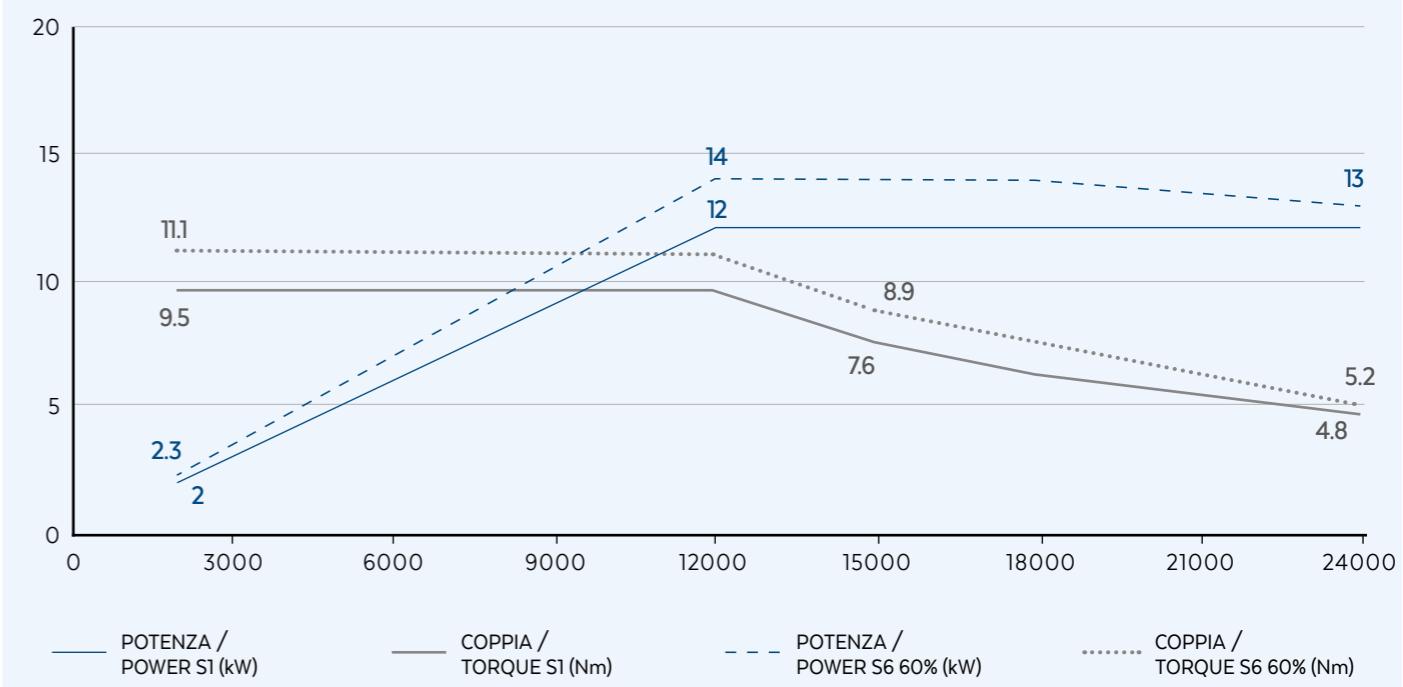
EQUIPAGGIAMENTO EQUIPMENT

- HSK 63F
- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling
- CC circular connector

OPZIONALI OPTIONALS

- Encoder 1Vpp
- Naso lungo
Long nose
- Oil mist/MQL
- Air tool
- CC circular connector
Female

PRESTAZIONI PERFORMANCES



HX-2 15/12 24 63F NC 3 AXIS CC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 15

S6 kW 17

S1 Nm 11,9

S6 Nm 13,8

S1 A 30

S6 A 33

Volt 380

Pol es 4

Supply inverter

rpm 24000

kg 25

EQUIPAGGIAMENTO EQUIPMENT

Cuscinetti ceramici Ceramic ball bearings HSK 63F

Raffreddamento liquido Liquid cooling

CC circular connector

OPZIONALI OPTIONALS

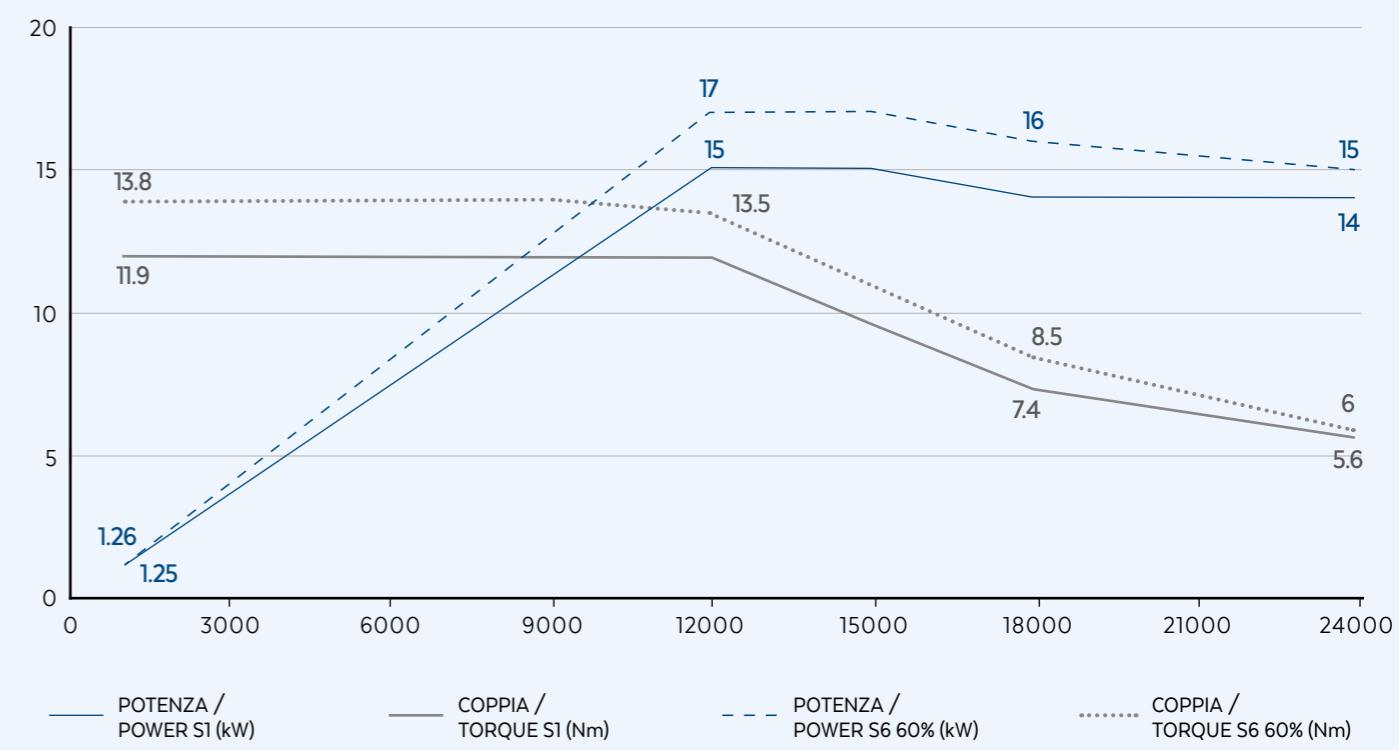
Encoder 1Vpp or TTL Naso lungo Long nose

Oil mist/MQL

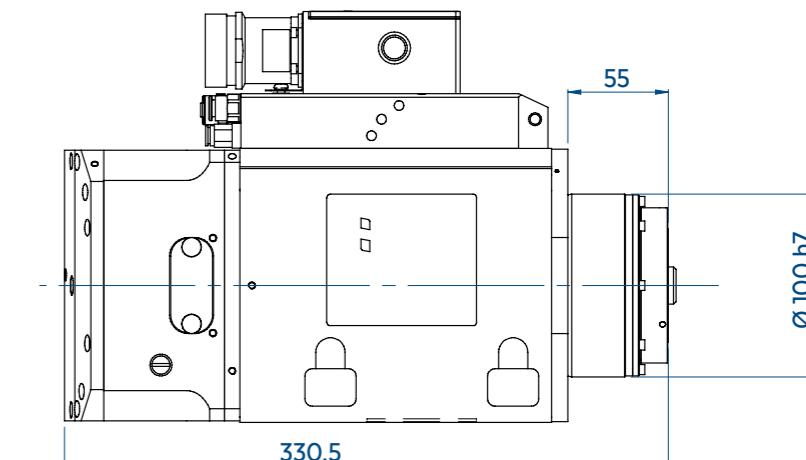
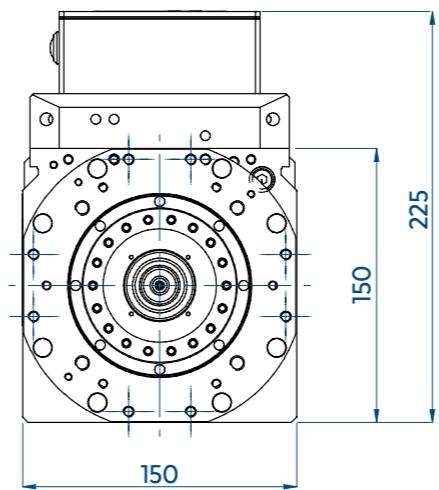
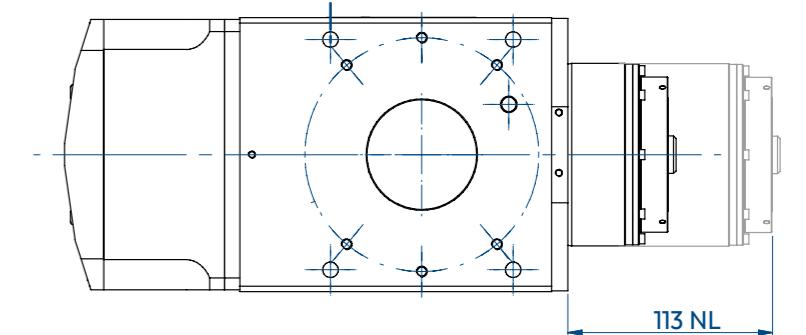
Air tool HSK 63E for NC

CC circular connector Female

PRESTAZIONI PERFORMANCES



HX-2 18/12 24 63F NC 3 AXIS CC



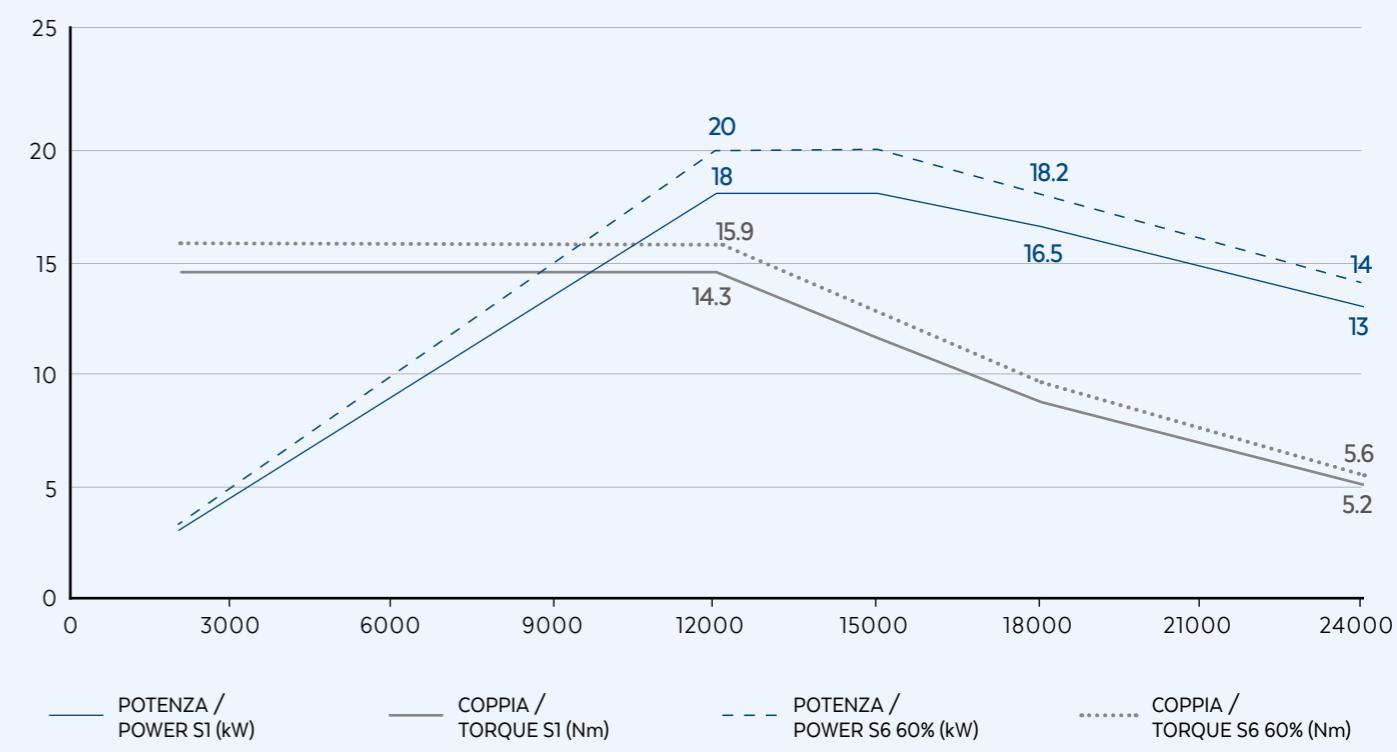
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	18
S6	kW	20
S1	Nm	14,3
S6	Nm	15,9
S1	A	35
S6	A	38,5
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

EQUIPAGGIAMENTO EQUIPMENT

	Cuscinetti ceramici Ceramic ball bearings		HSK 63F
	Raffreddamento liquido Liquid cooling		
	CC circular connector		
OPZIONALI OPTIONALS			
	Encoder 1Vpp or TTL		Naso lungo Long nose
	Oil mist/MQL		Air tool
	HSK 63E for NC		HSK 63A
	CC circular connector Female		

PRESTAZIONI PERFORMANCES



HX-2 20/10 24 63A NC 3 AXIS CC SYNCRONOUS



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	20
S6	kW	22,3
S1	Nm	17,8
S6	Nm	20,1
S1	A	48
S6	A	50
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

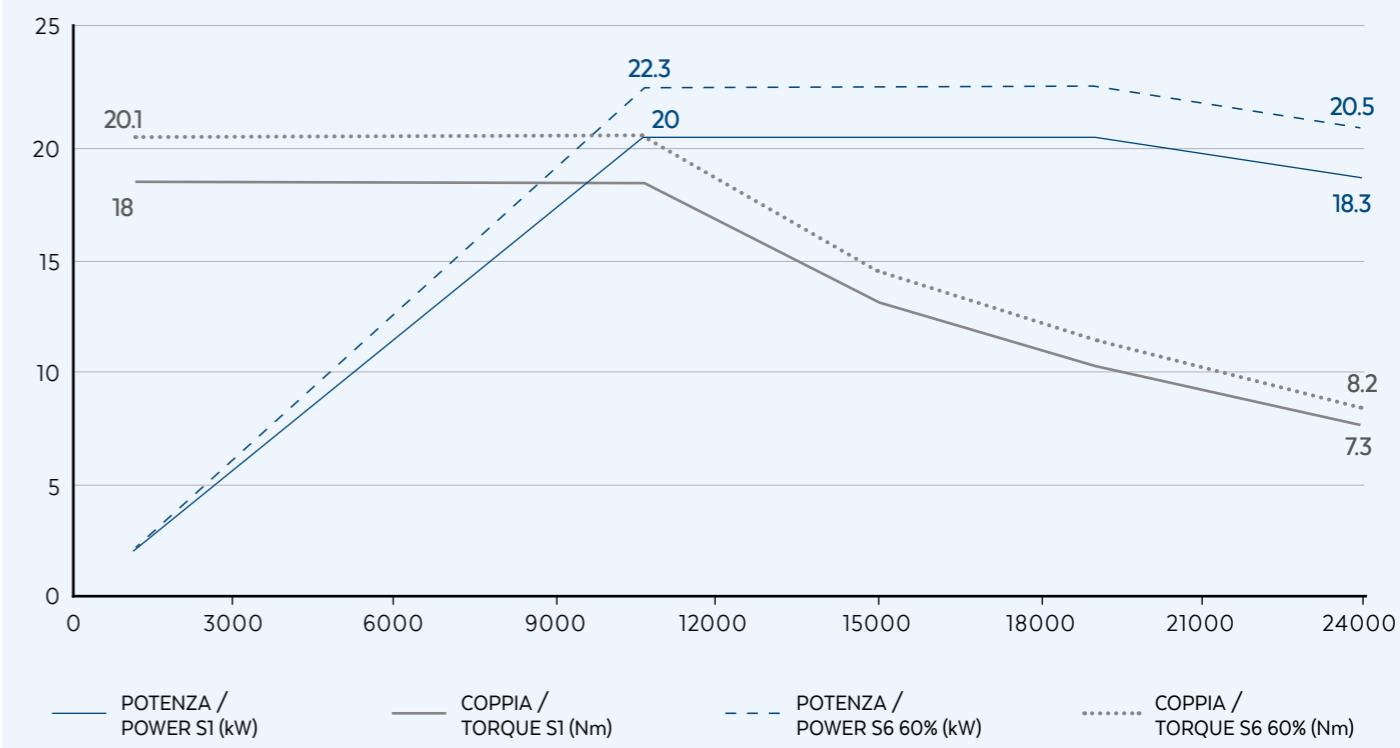
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento liquido Liquid cooling
- CC circular connector
- HSK 63A

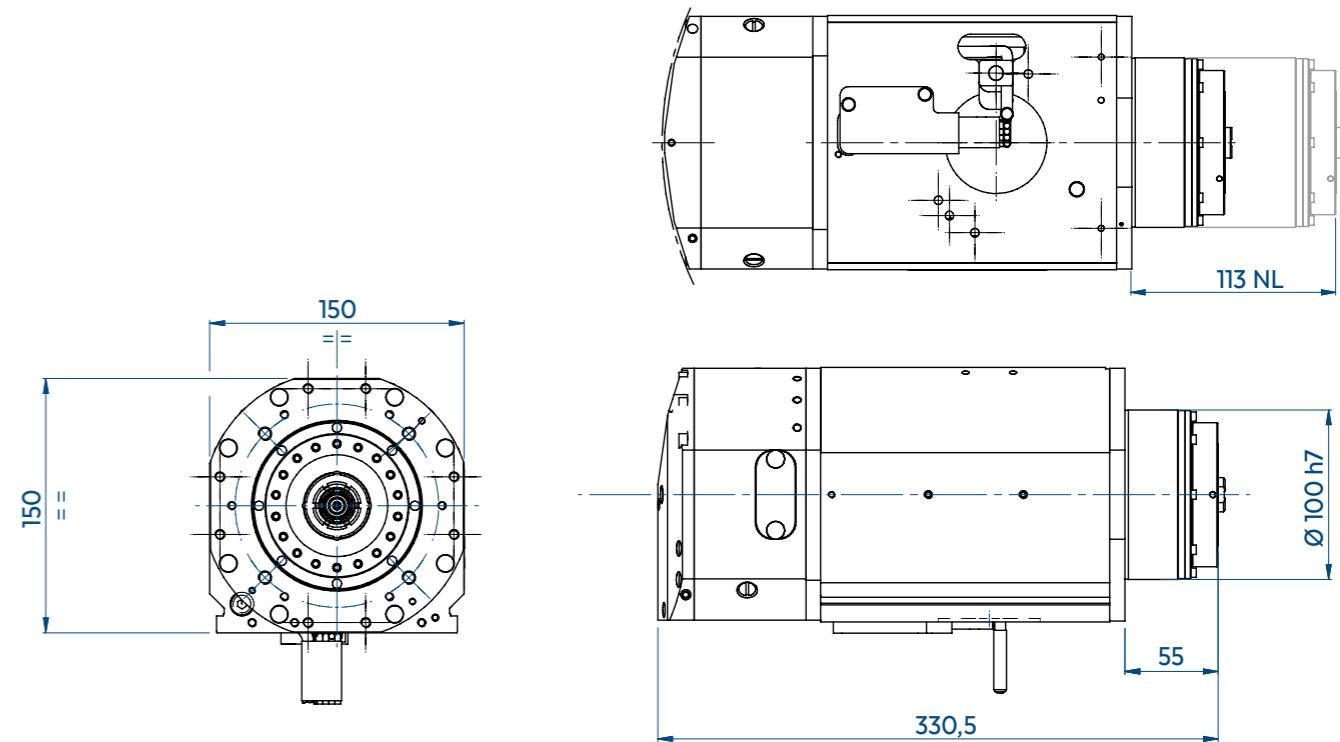
OPZIONALI OPTIONALS

- | | |
|------------------------------|----------------------|
| Encoder 1Vpp | Naso lungo Long nose |
| HSK 63E for NC | Air tool |
| CC circular connector Female | Oil mist/MQL |

PRESTAZIONI PERFORMANCES



PX-2 10/7 24 63F NC SC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S₁ kW 10

S₆ kW 12

S₁ Nm 13,6

S₆ Nm 16,4

S₁ A 21

S₆ A 25

Volt 380

Poles 4

Supply inverter

rpm 24000

kg 25

EQUIPAGGIAMENTO EQUIPMENT

Cuscinetti ceramici Ceramic ball bearings

Raffreddamento liquido Liquid cooling

HSK 63F

OPZIONALI OPTIONALS

Encoder 1Vpp or TTL

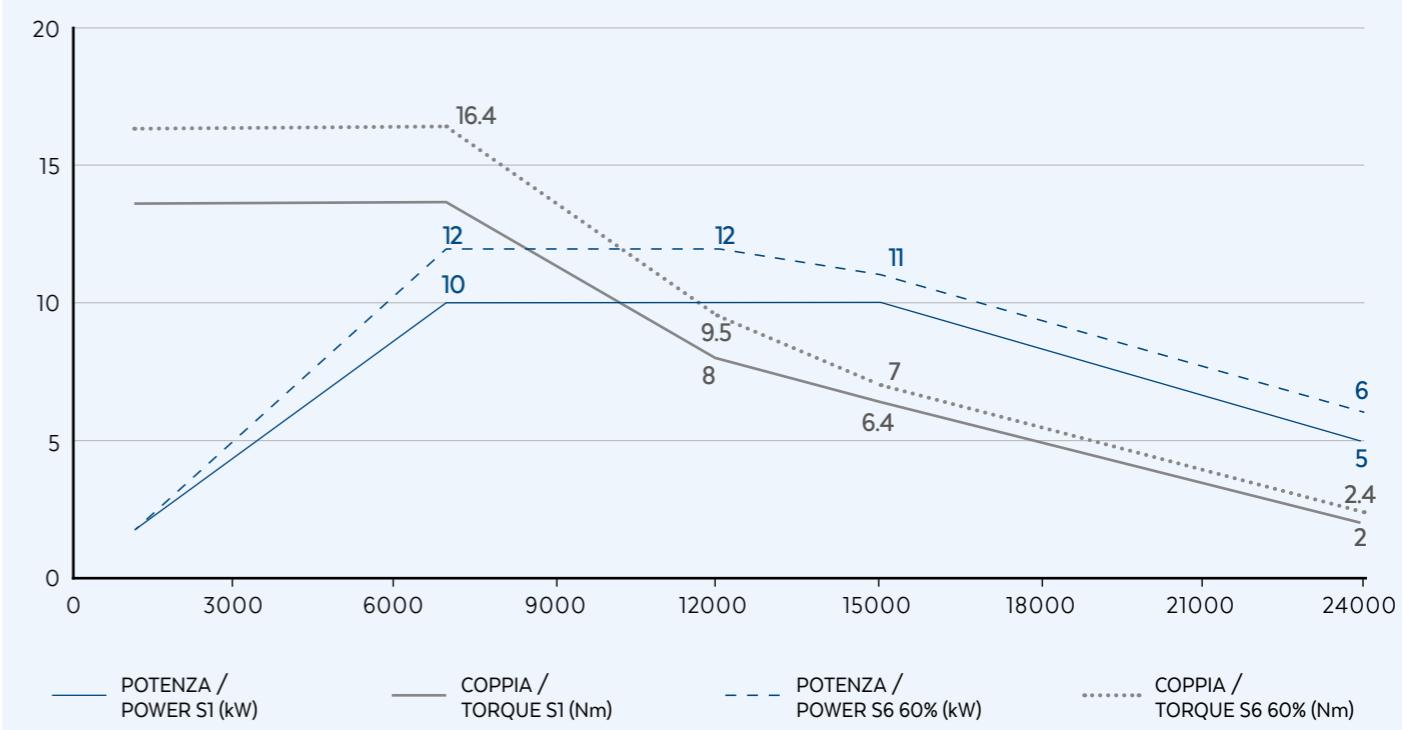
Naso lungo Long nose

HSK 63A

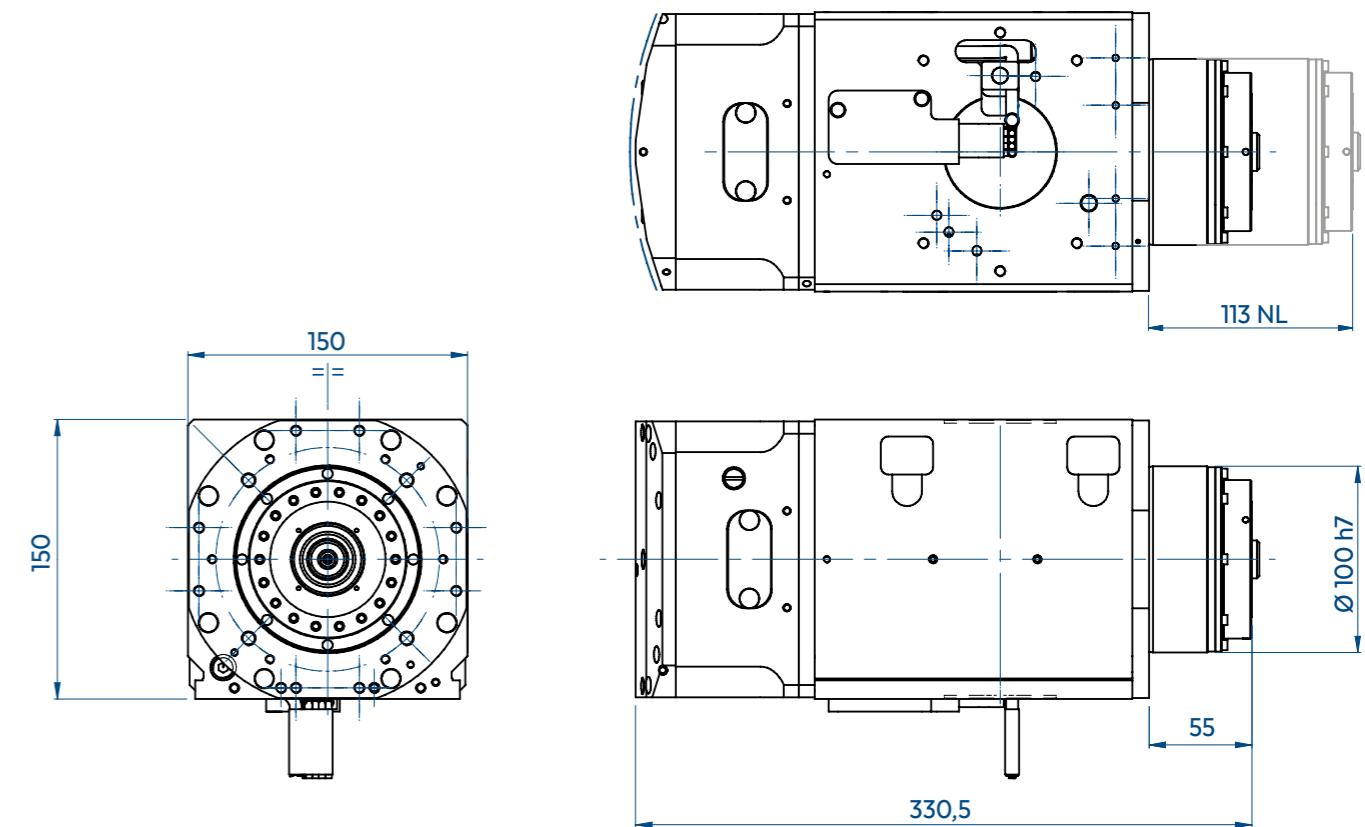
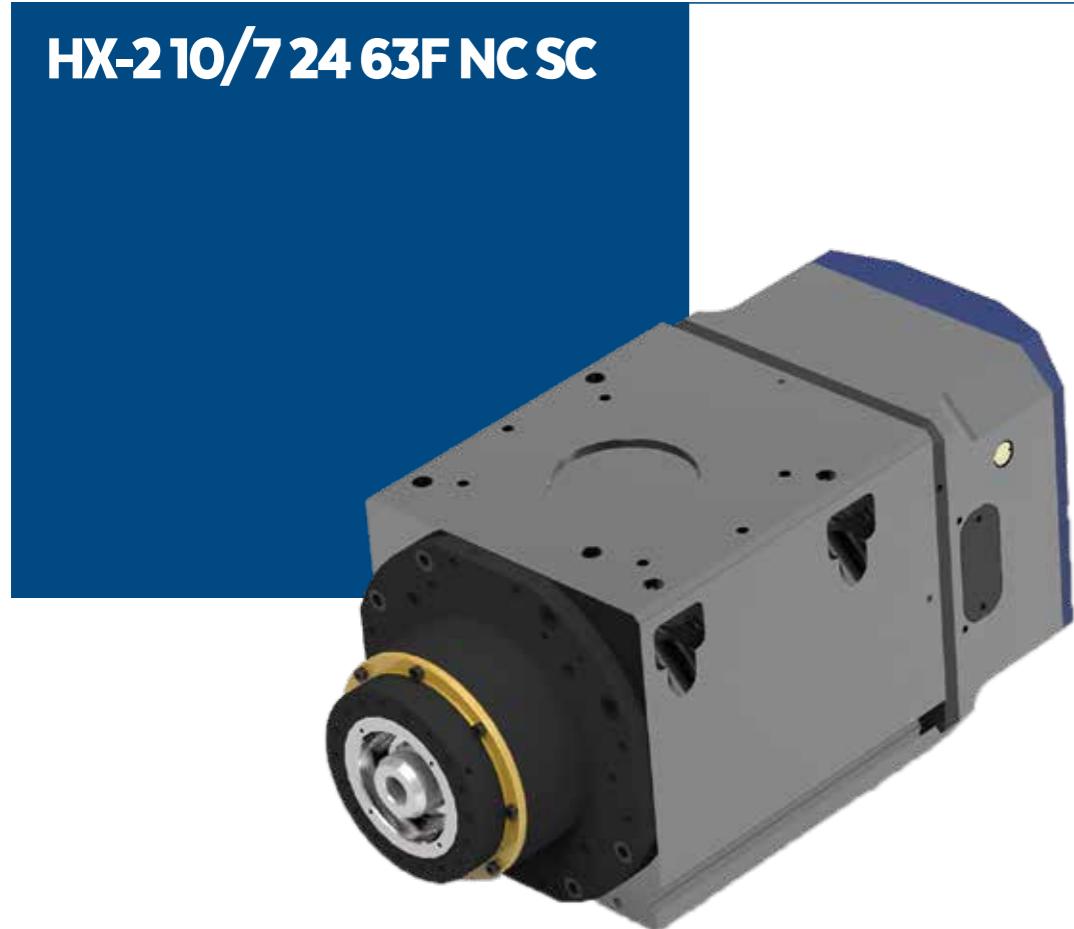
Air tool

Oil mist/MQL

PRESTAZIONI PERFORMANCES



HX-2 10/7 24 63F NC SC



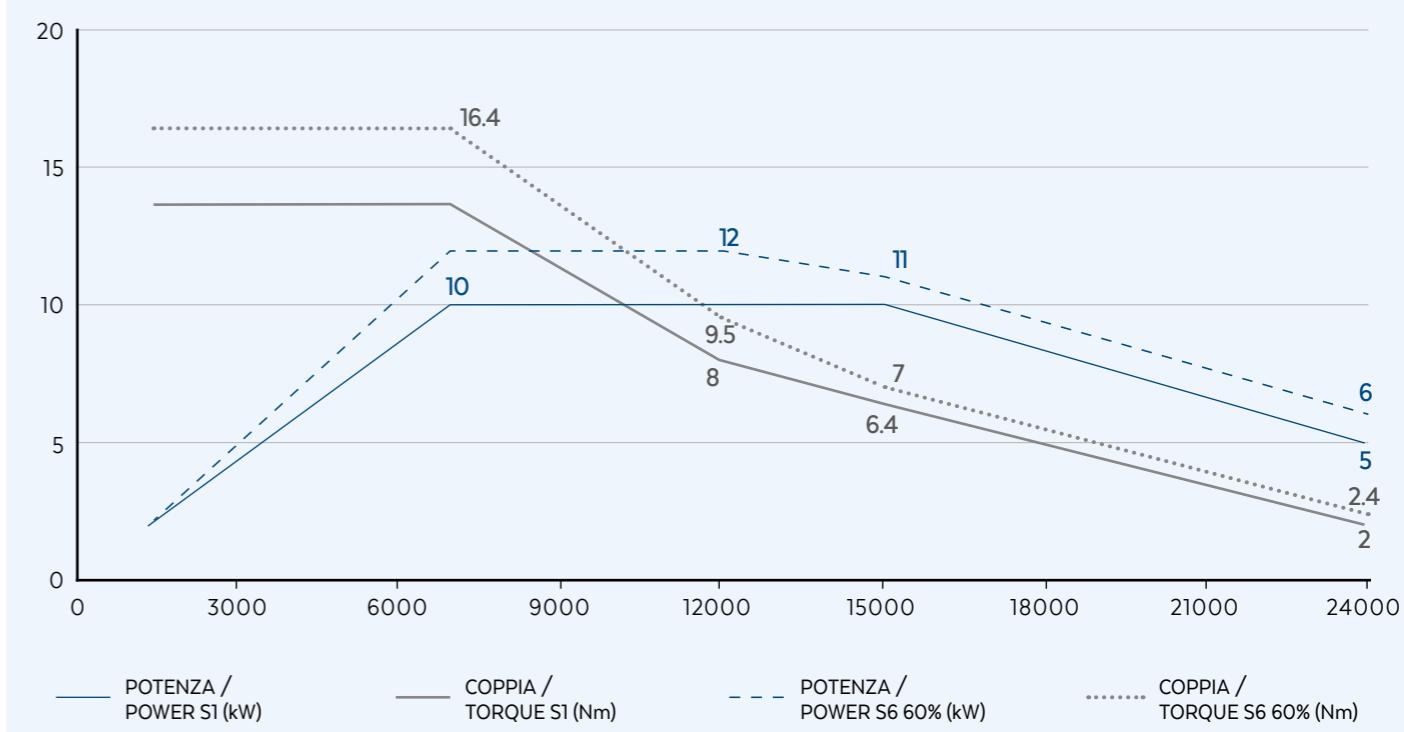
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	10
S6	kW	12
S1	Nm	13,6
S6	Nm	16,4
S1	A	21
S6	A	25
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

EQUIPAGGIAMENTO EQUIPMENT

	Cuscinetti ceramici Ceramic ball bearings
	Raffreddamento liquido Liquid cooling
	HSK 63F
OPZIONALI OPTIONALS	
	Encoder 1Vpp or TTL
	Naso lungo Long nose
	HSK 63A
	Air tool
	Oil mist/MQL

PRESTAZIONI PERFORMANCES



HX-2 10/7 24 63F NC 3 AXIS CC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	10
S6	kW	12
S1	Nm	13,6
S6	Nm	16,4
S1	A	21
S6	A	25
Volt		380
Poles		4
Supply		inverter
rpm		24000
kg		25

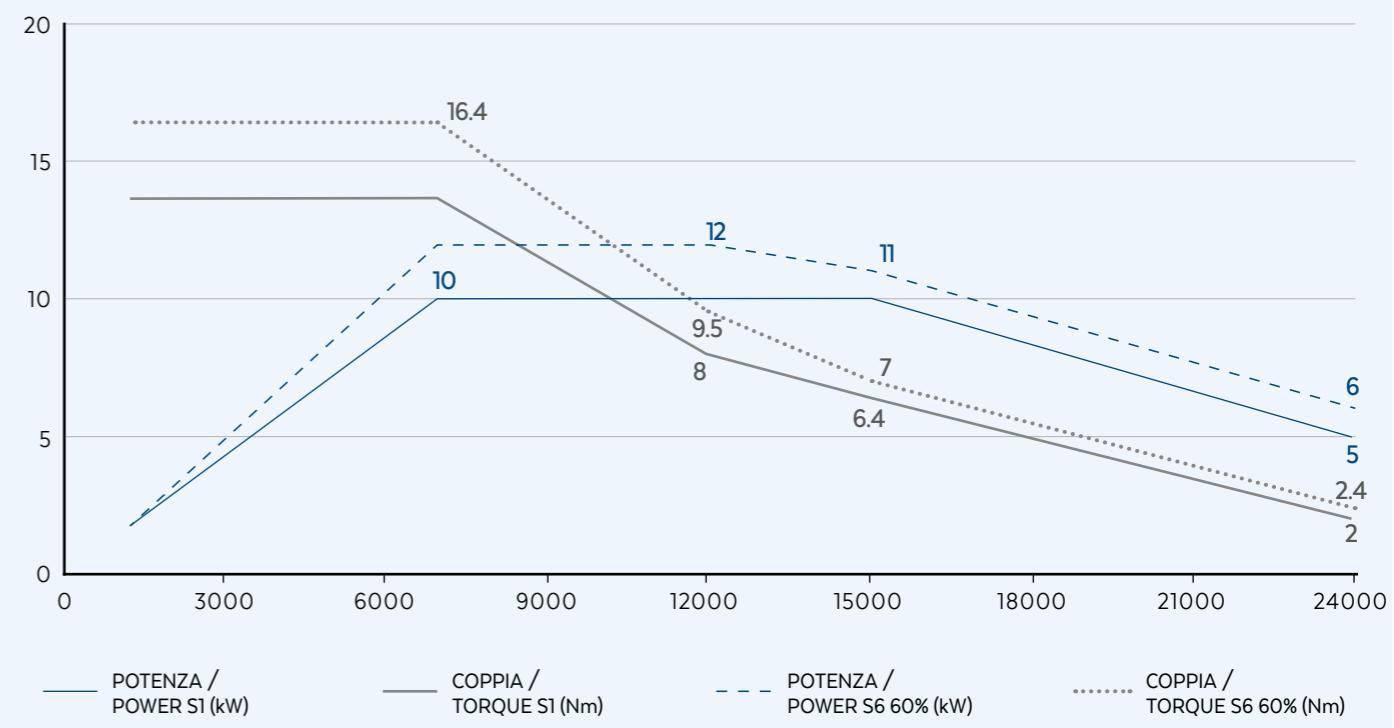
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento liquido Liquid cooling
- HSK 63F
- CC circular connector

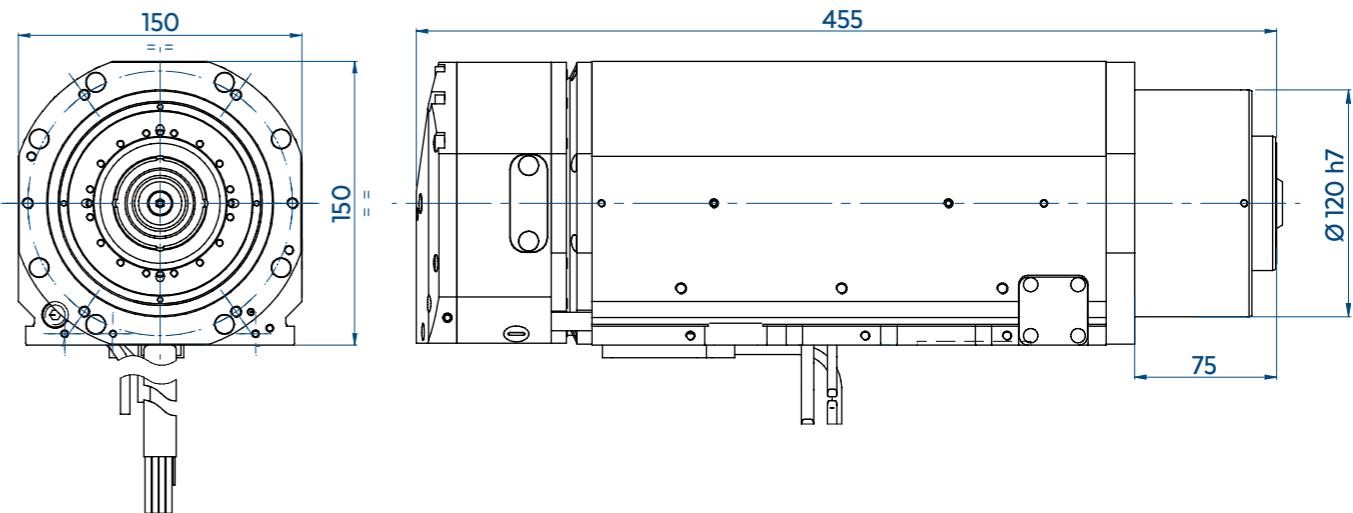
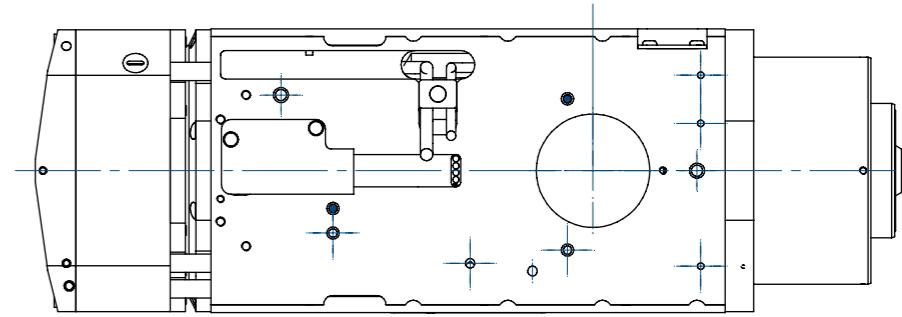
OPZIONALI OPTIONALS

- | | |
|------------------------------|----------------------|
| Encoder 1Vpp or TTL | Naso lungo Long nose |
| HSK 63A | Air tool |
| CC circular connector Female | Oil mist/MQL |

PRESTAZIONI PERFORMANCES



QT-2 13/6 16 63E NC SC



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 13

S6 kW 15

S1 Nm 20,7

S6 Nm 23,9

S1 A 30

S6 A 35

Volt 400

Poles 4

Supply inverter

rpm 16000

kg 36

EQUIPAGGIAMENTO EQUIPMENT

Cuscinetti ceramici
Ceramic ball bearings

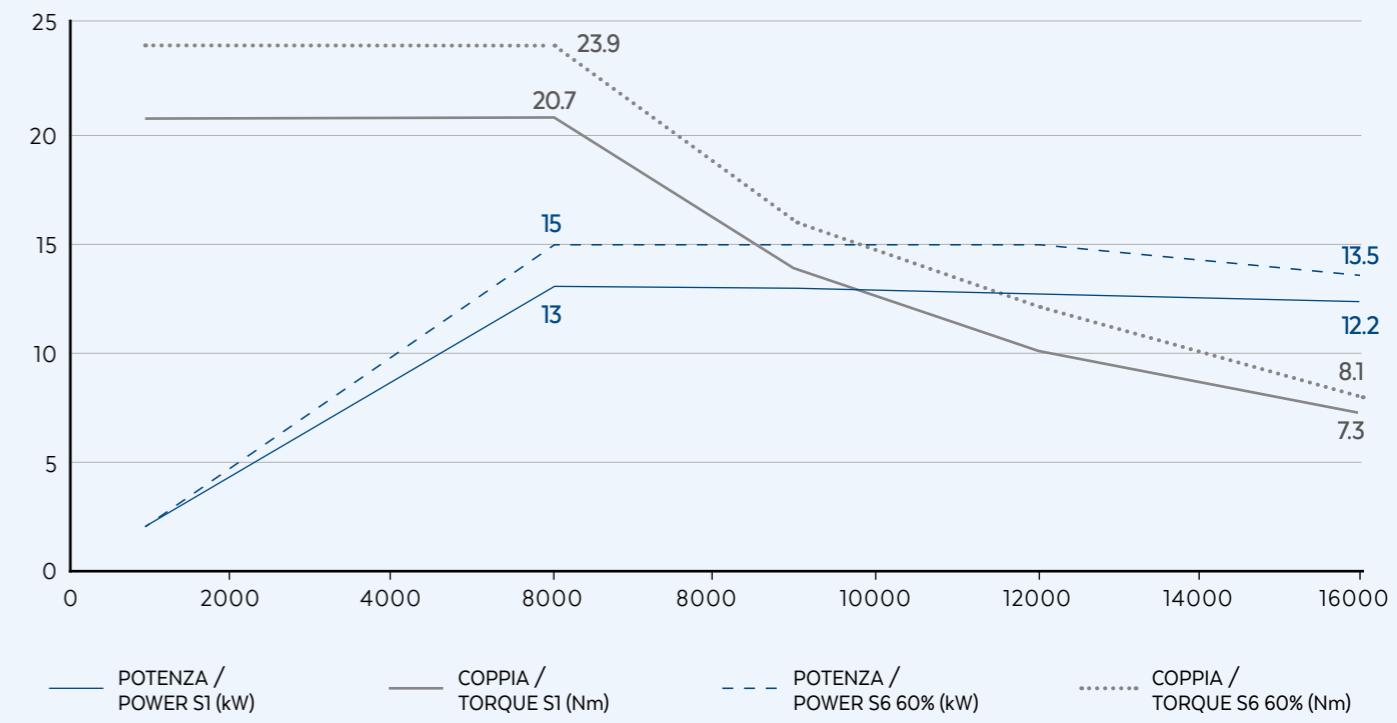
Raffreddamento liquido
Liquid cooling

HSK 63E

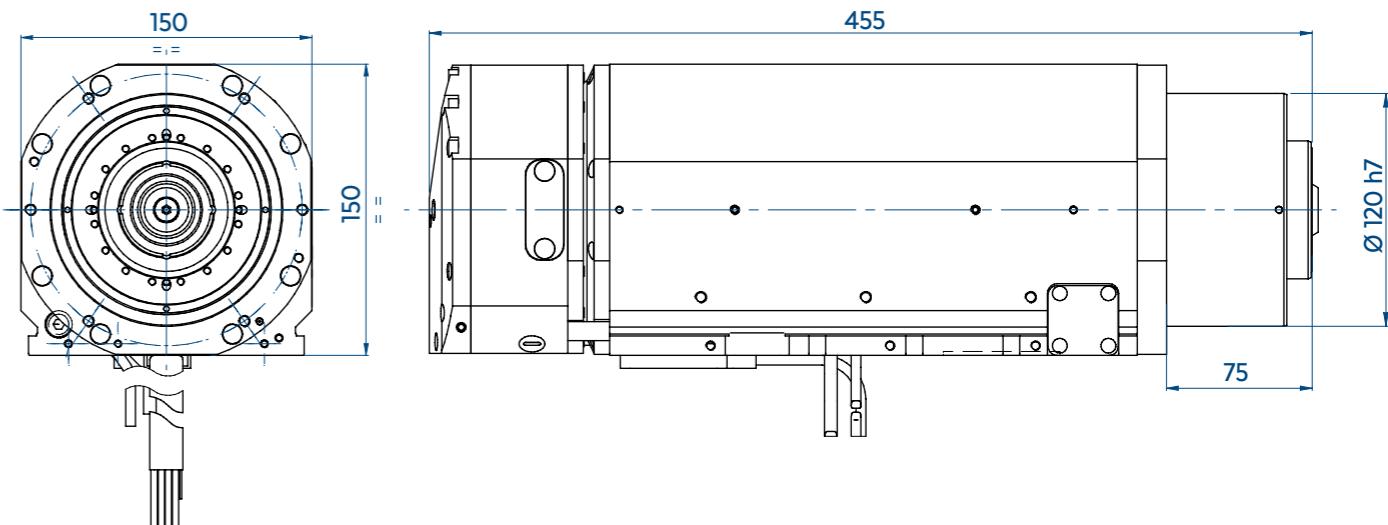
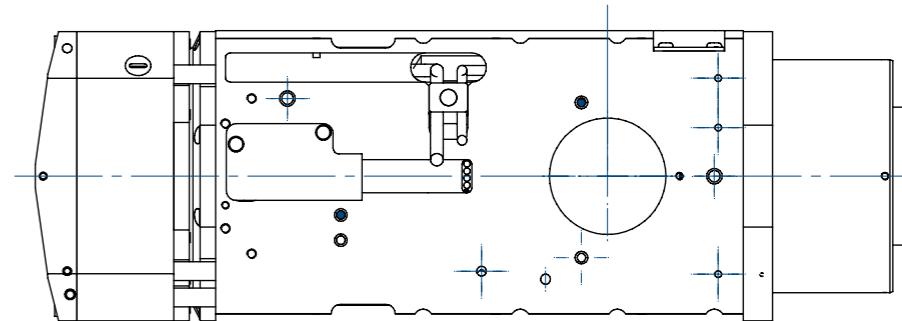
OPZIONALI OPTIONALS

Encoder
1Vpp or TTL

PRESTAZIONI PERFORMANCES



QT-2 25/716 63E NC SC SYNCRONOUS



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 25

S6 kW 29

S1 Nm 34,5

S6 Nm 40,1

S1 A 47

S6 A 56

Volt 400

Poles 4

Supply inverter

rpm 16000

kg 36

EQUIPAGGIAMENTO EQUIPMENT

Cuscinetti ceramici
Ceramic ball bearings

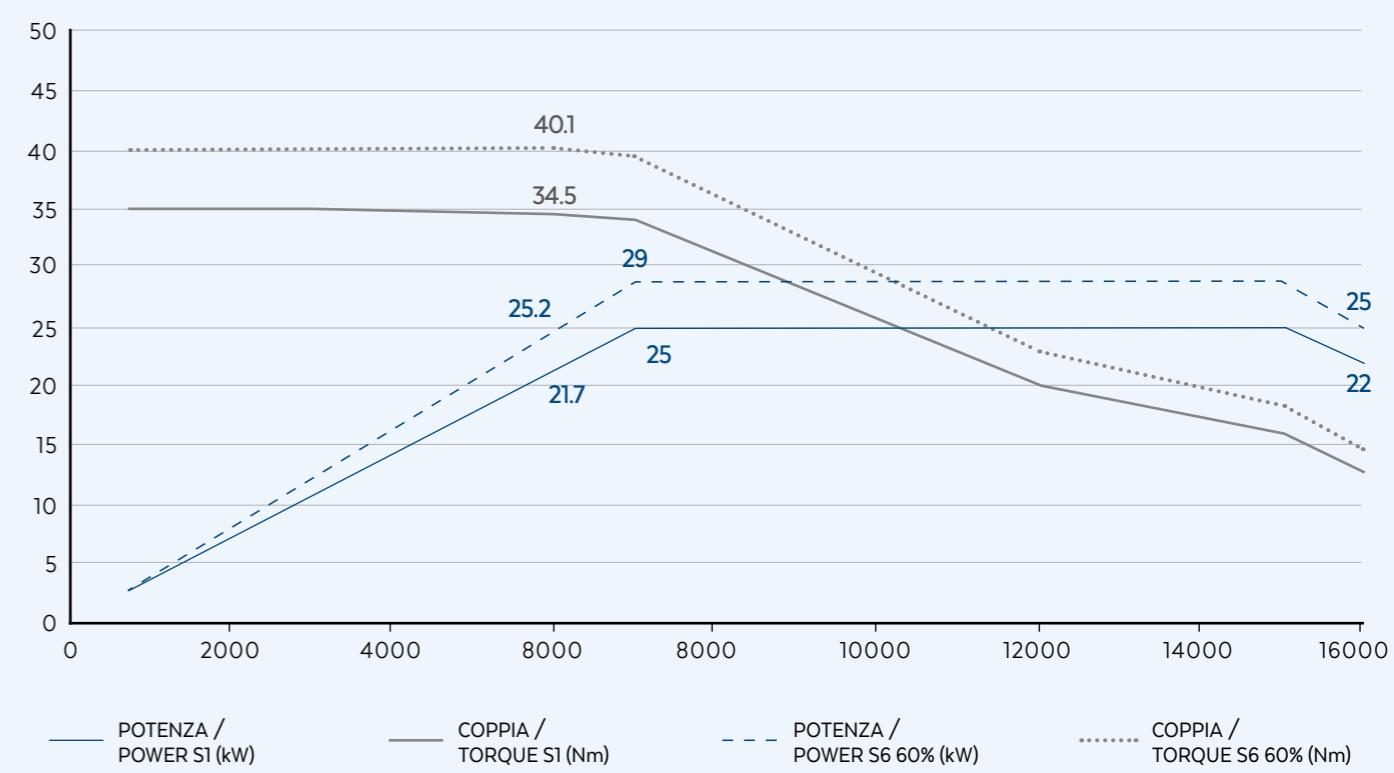
Raffreddamento liquido
Liquid cooling

HSK 63E

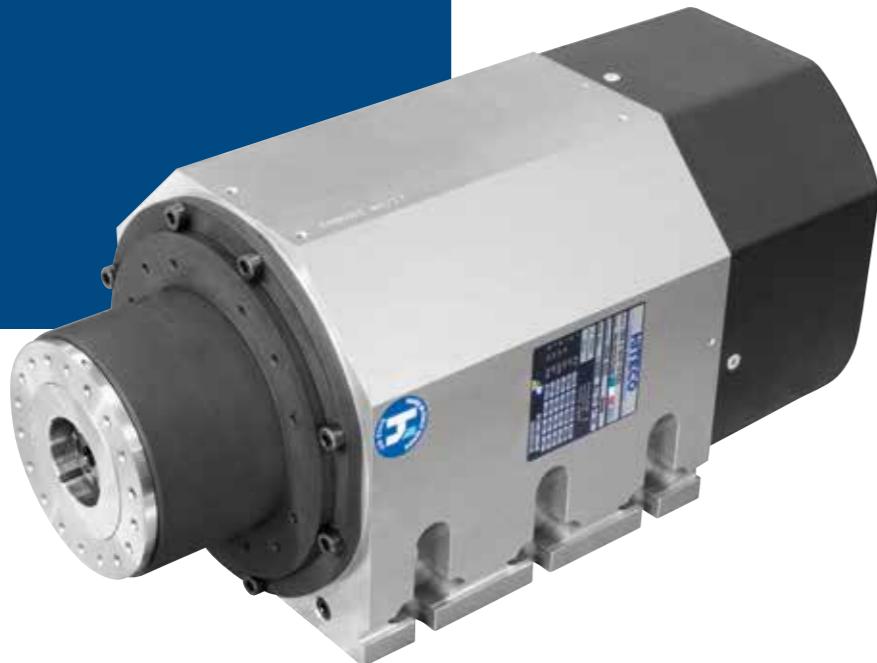
OPZIONALI OPTIONALS

Encoder 1Vpp

PRESTAZIONI PERFORMANCES



QM-2 30/6 13 80F NC PP



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	30
S6	kW	35
S1	Nm	47,7
S6	Nm	55,7
S1	A	59
S6	A	65
Volt		380
Poles		4
Supply		inverter
rpm		13000
kg		75

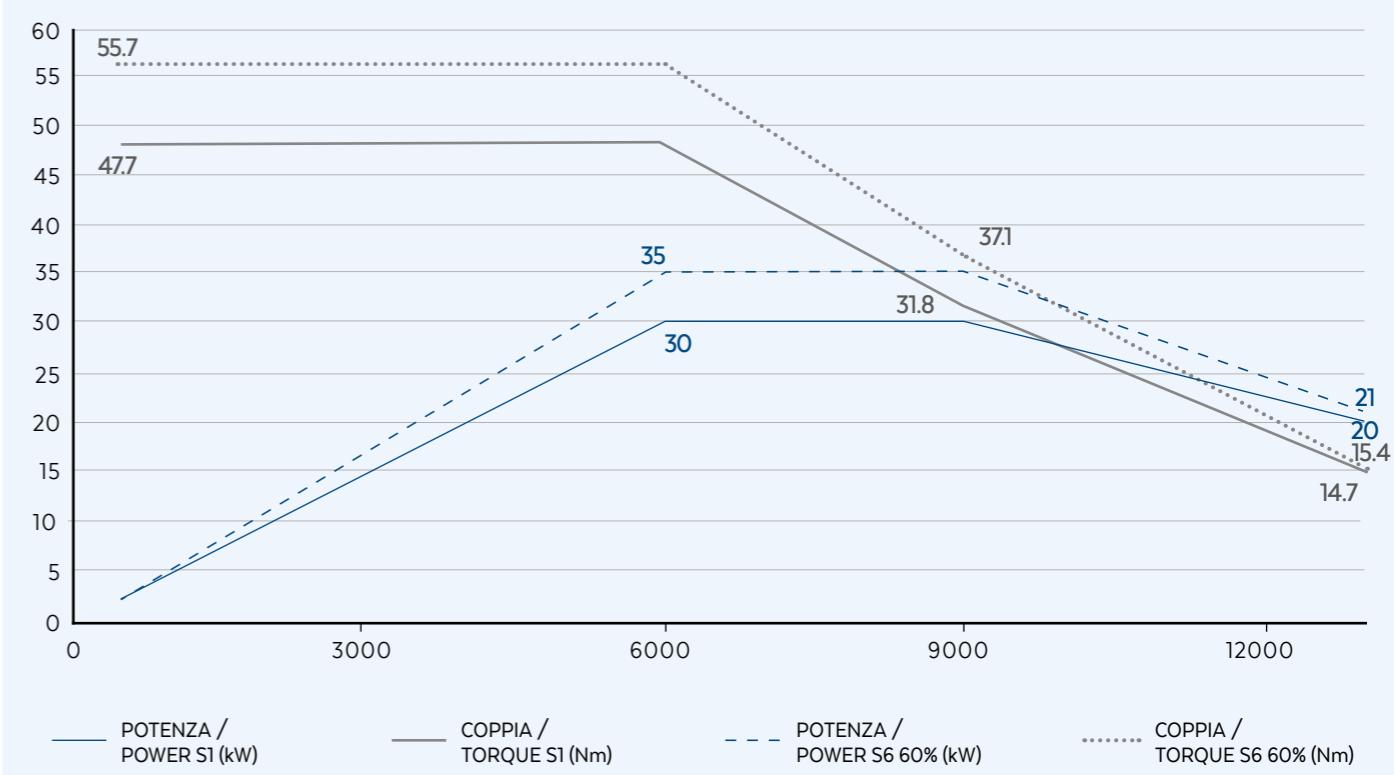
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento liquido Liquid cooling
- HSK 80F

OPZIONALI OPTIONALS

- PP circular connector Female

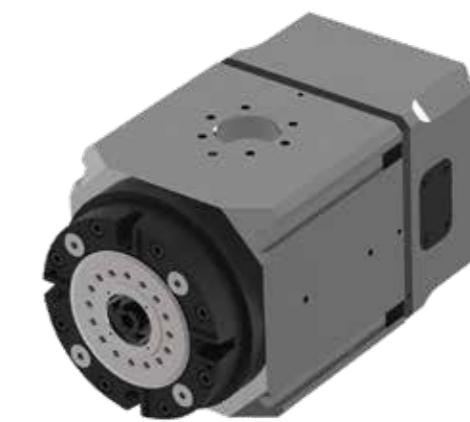
PRESTAZIONI PERFORMANCES



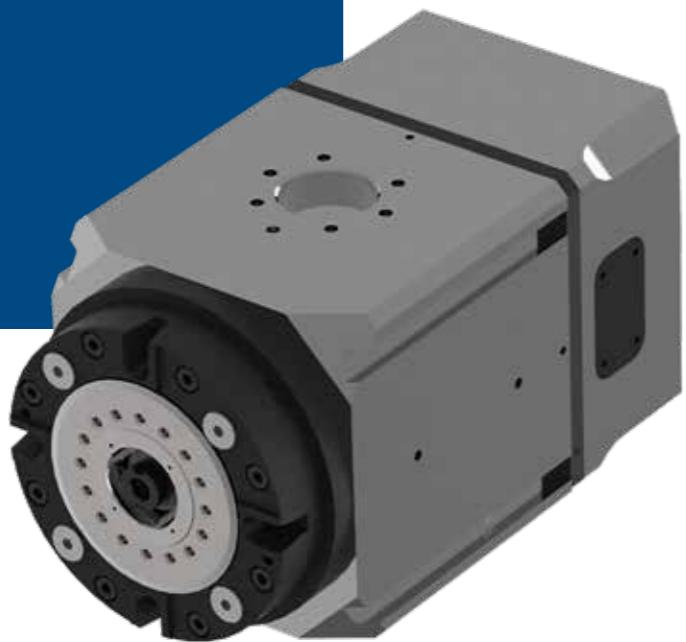
CUSTOMTECH

LIQUID COOLING

- HD-2 5.6/18 20 50F p.130
- KX-2 32/4.5 24 63A p.132
- ML-2 9/12 24 ER40 DX p.134



HD-2 5.6/18 20 50F



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW 5,6

S6 kW 7

S1 Nm 3

S6 Nm 3,7

S1 A 12

S6 A 14

Volt 380

Pol es 4

Supply inverter

rpm 20000

kg 18

EQUIPAGGIAMENTO EQUIPMENT

Cuscinetti ceramici
Ceramic ball bearings

Raffreddamento liquido
Liquid cooling

HSK 50F

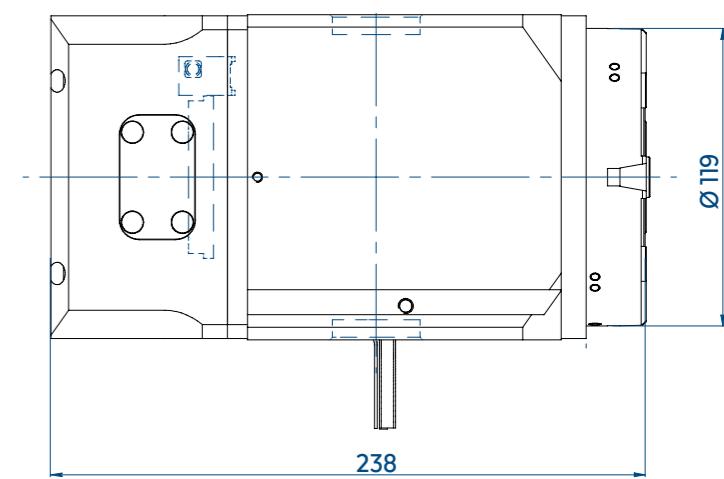
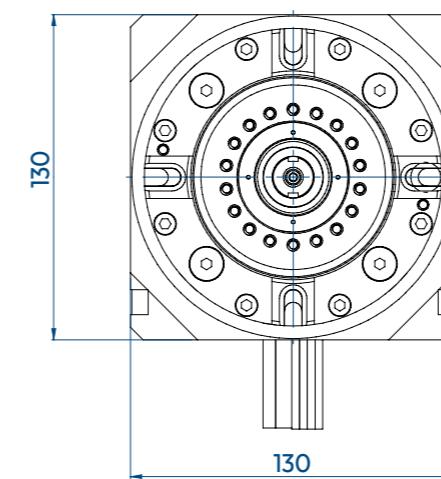
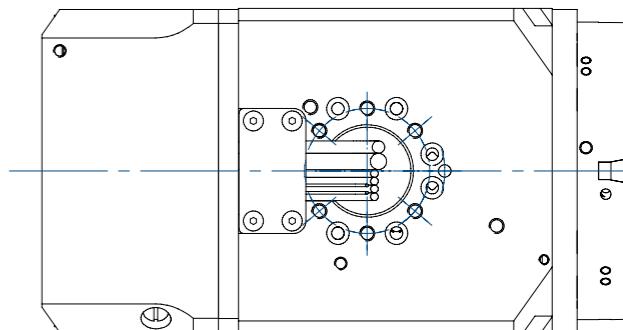
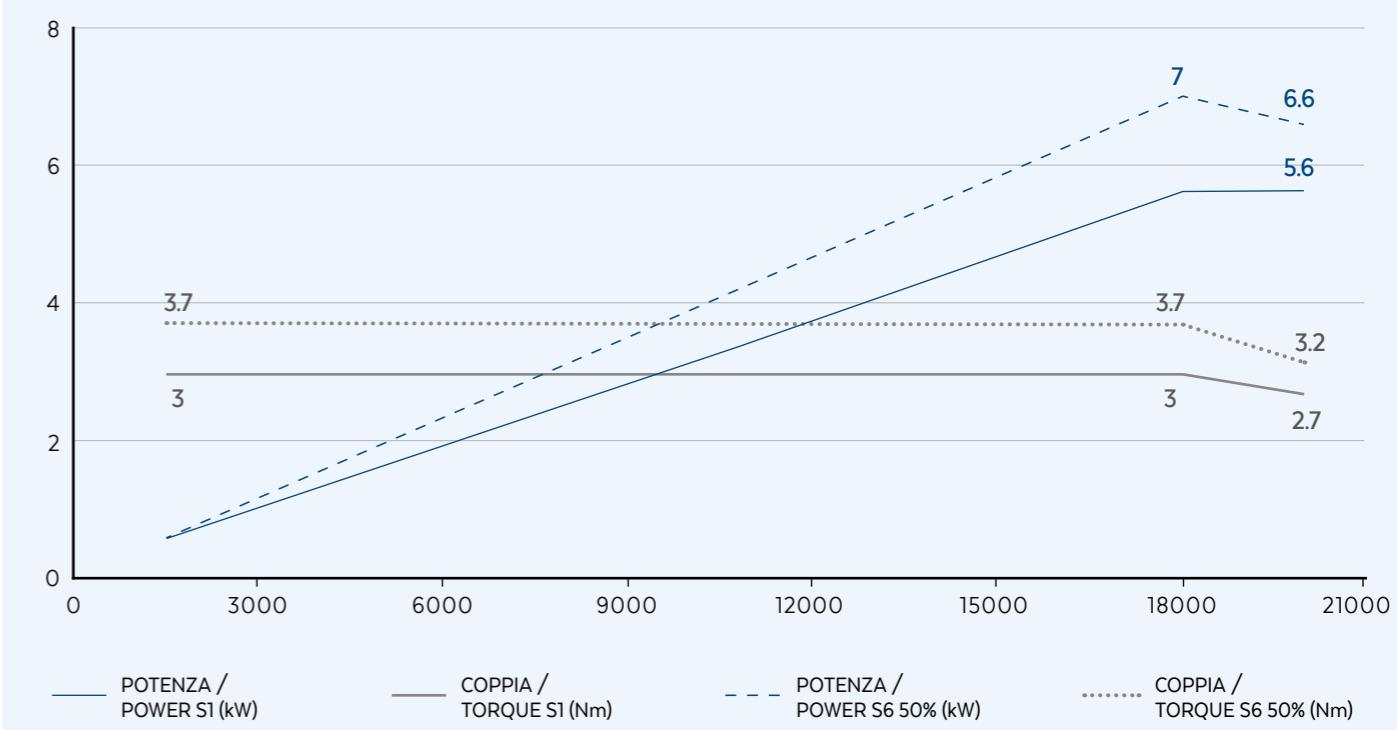
Tool lubrication

OPZIONALI OPTIONALS

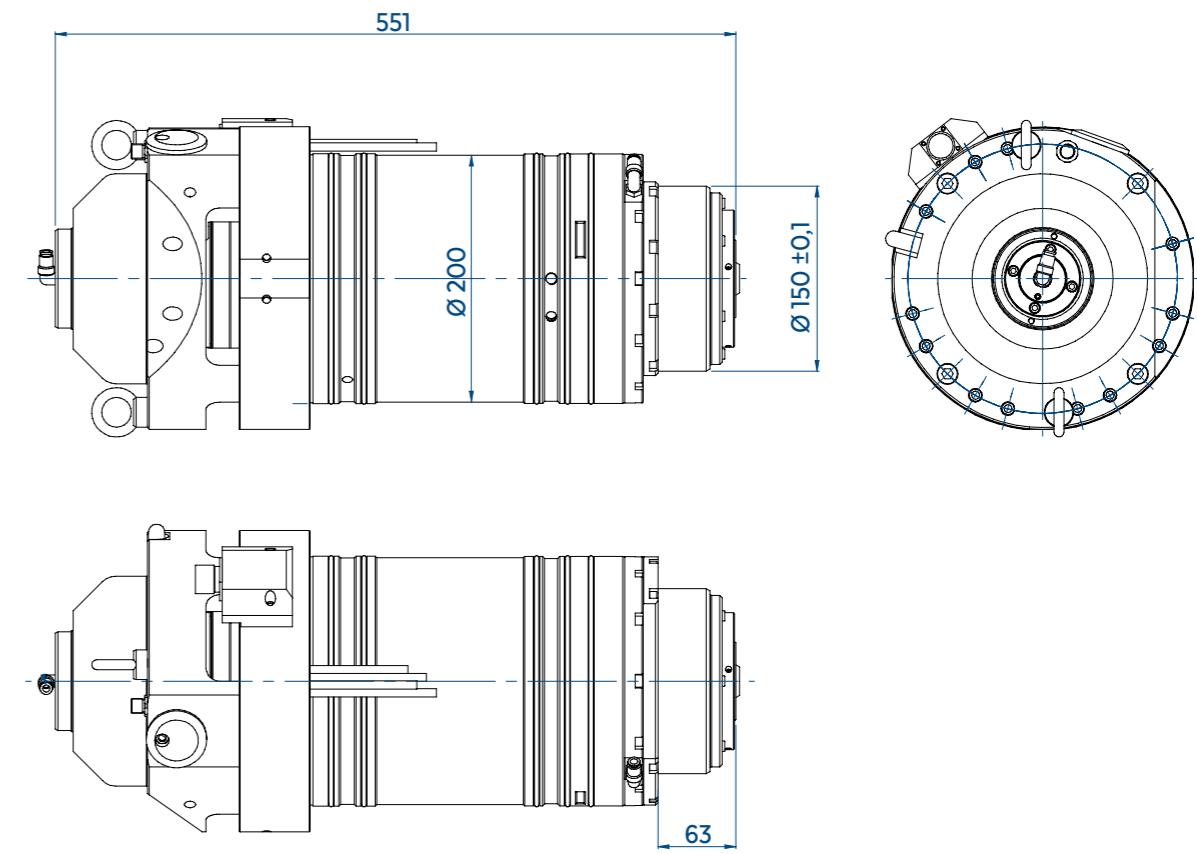
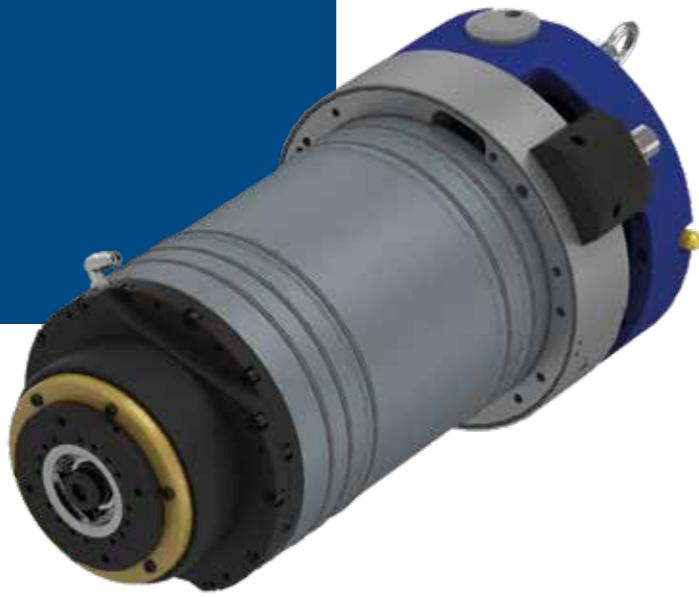
Encoder
1Vpp or TTL

HSK 40E

PRESTAZIONI PERFORMANCES



KX-2 32/4.5 24 63A ES SYNCRONOUS



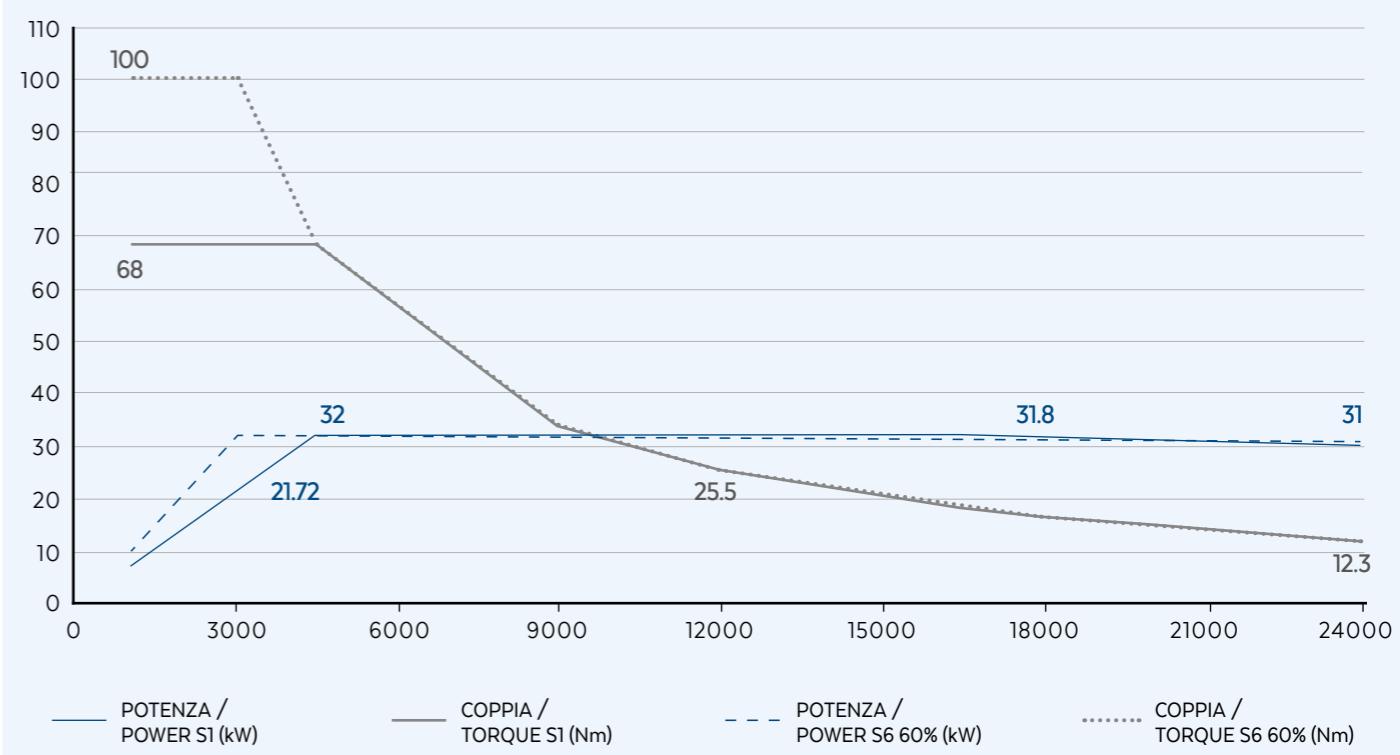
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	32
S1	Nm	68
S1	A	73
Volt		400
Poles		4
Supply		inverter
rpm		24000
kg		100

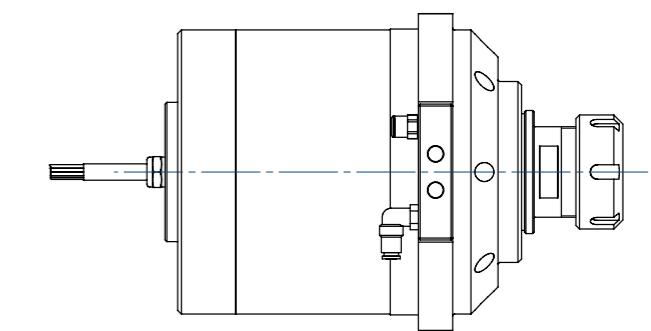
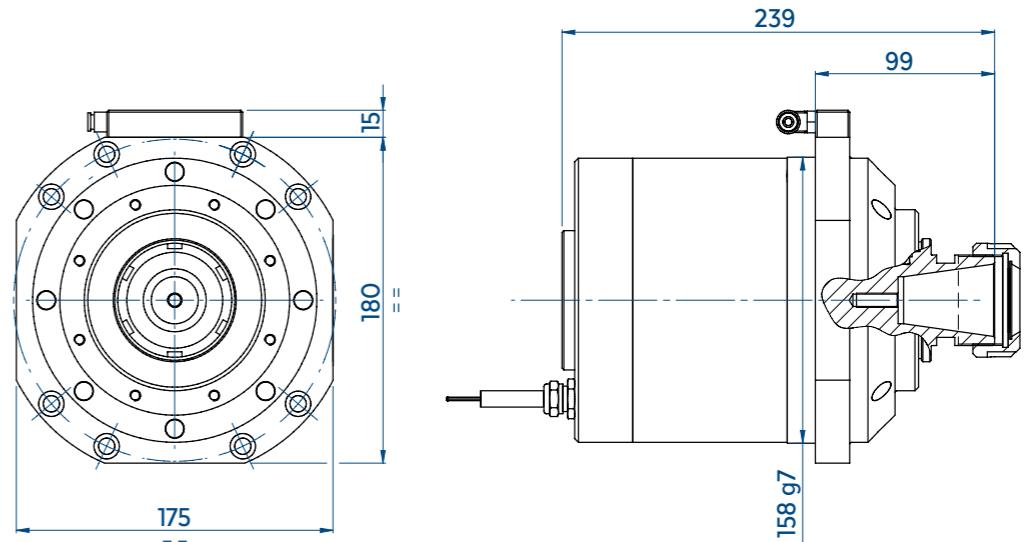
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici
Ceramic ball bearings
- Raffreddamento liquido
Liquid cooling
- HSK 63A
- Encoder 1Vpp

PRESTAZIONI PERFORMANCES



ML-2 9/12 24 ER40 DX



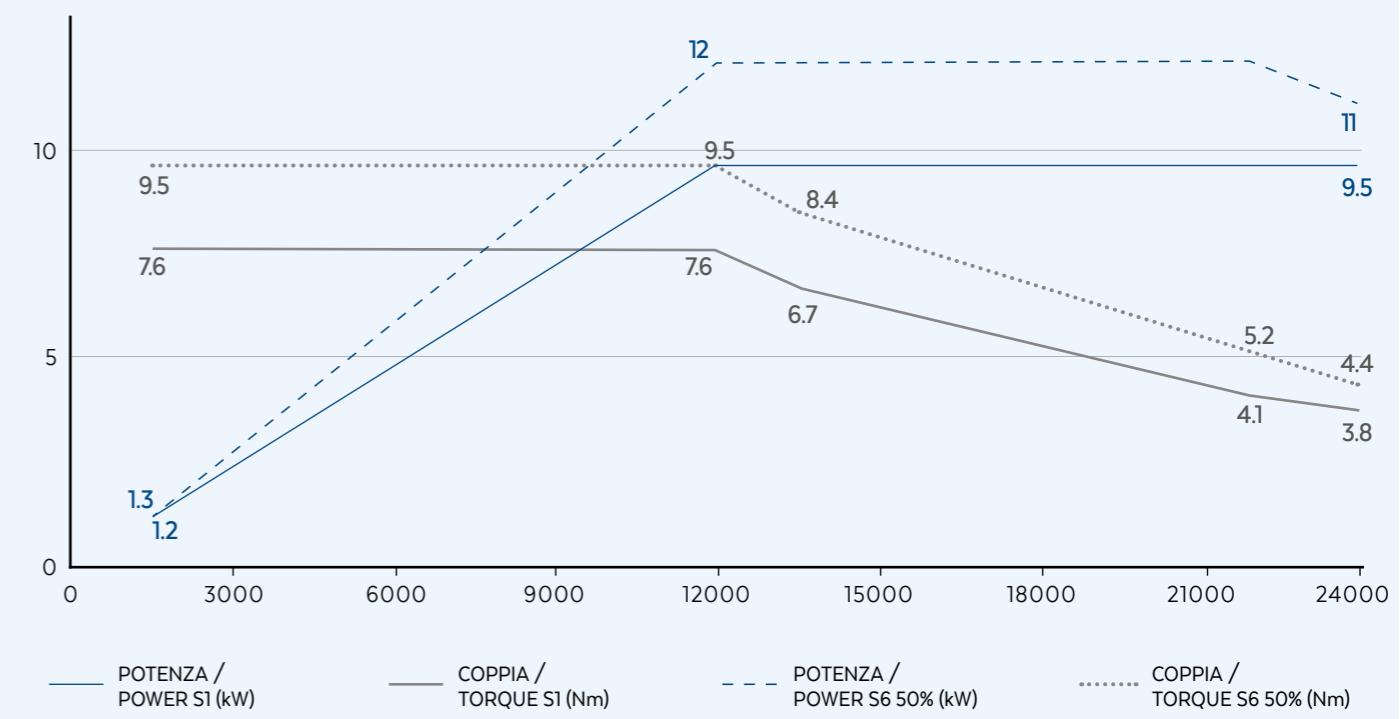
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	9,5	S6 kW	11
S1 Nm	7,6	S6 Nm	8,8
S1 A	22	S6 A	27
Volt	380		
Poles	4		
Supply	inverter		
rpm	24000		
kg	23		

EQUIPAGGIAMENTO EQUIPMENT

	Raffreddamento liquido Liquid cooling
	ER40DX

PRESTAZIONI PERFORMANCES



MULTITECH - MTC



WITH ER AIR COOLING (ELECTROFAN)

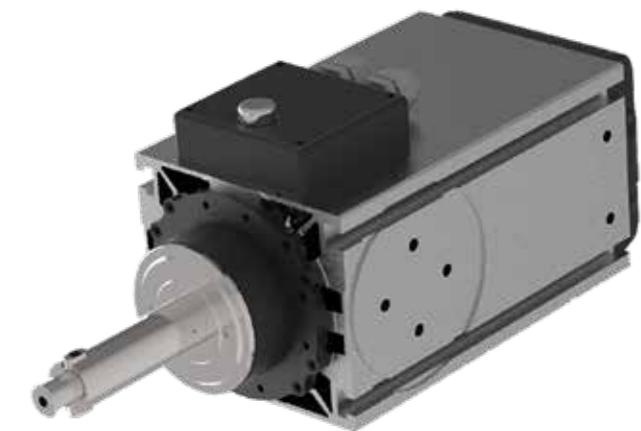
- QN-1F 4.5/18 18 ER32DX p.**138**
- QN-1F 6/18 18 ER32DX p.**140**
- QN-1F 4.5/18 24 ER32DX p.**142**
- QN-1F 6/18 24 ER32DX p.**144**

WITH SHAFT AIR COOLING (FAN ON THE SHAFT)

- MQH1 8/6 9 D40 L93 RS p.**154**
- MQH1 13/6 9 D40 L93 RS p.**156**

WITH ER AIR COOLING (COMPRESSED AIR)

- QN-1C 4.5/18 18 ER32DX p.**146**
- QN-1C 6/18 18 ER32DX p.**148**
- QN-1C 4.5/18 24 ER32DX p.**150**
- QN-1C 6/18 24 ER32DX p.**152**

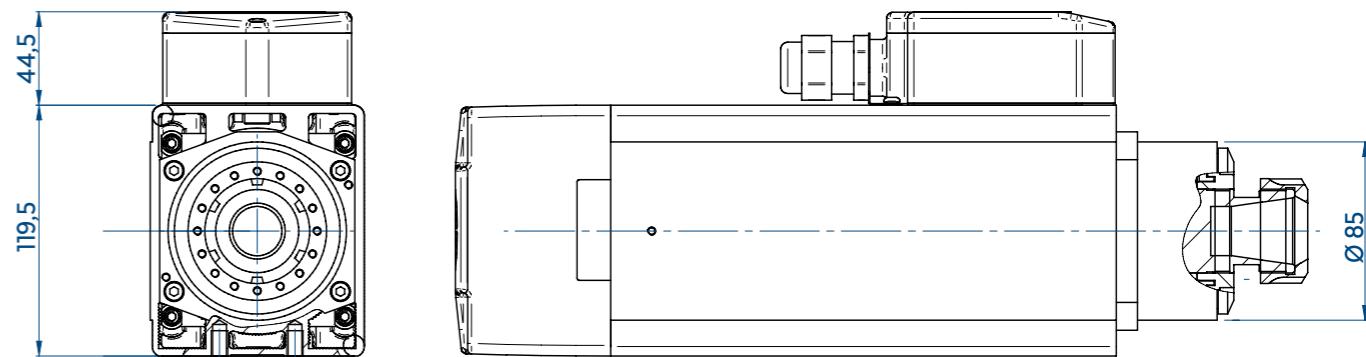
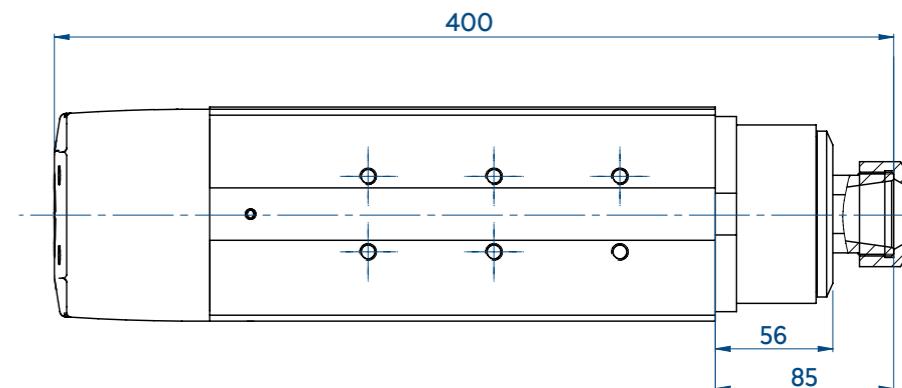
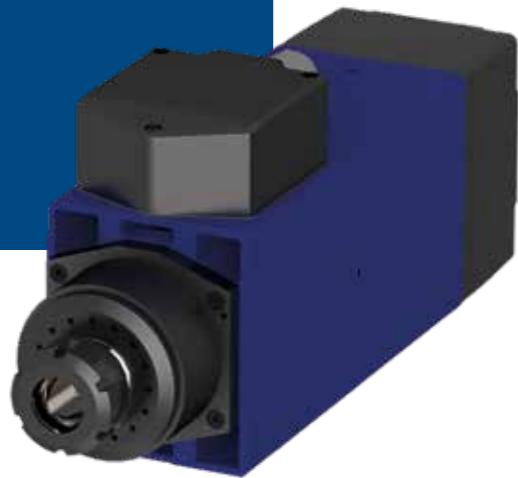


MTC
WITH ER



MTC
WITH SHAFT

QN-1F 4.5/18 18 ER32 DX



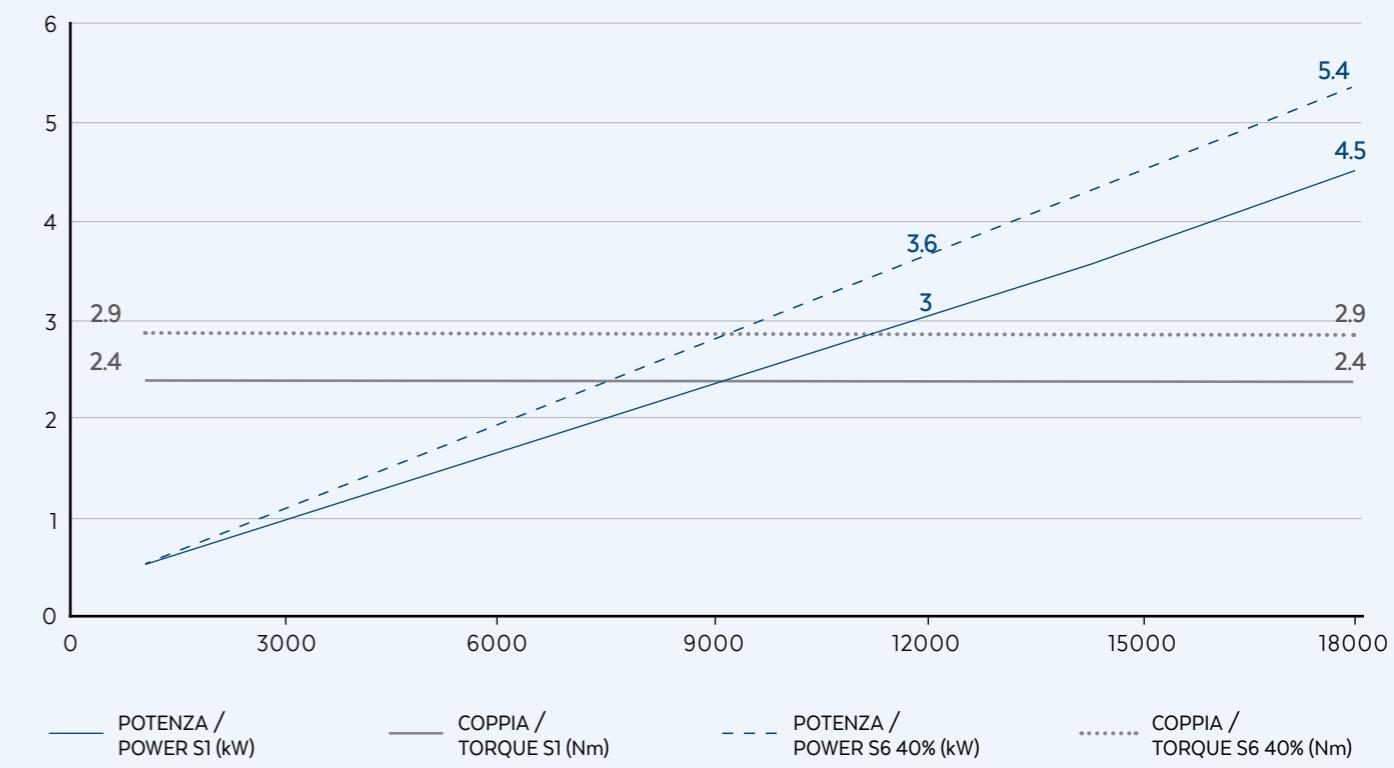
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	4,5
S6	kW	5,4
S1	Nm	2,4
S6	Nm	2,9
S1	A	9,5
S6	A	12,8
Volt		380
Poles		2
Supply		inverter
rpm		18000
kg		15

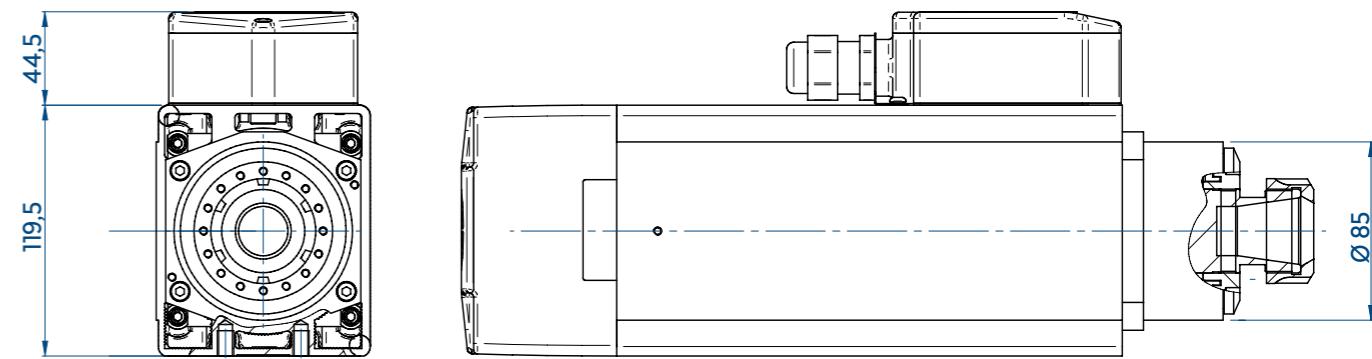
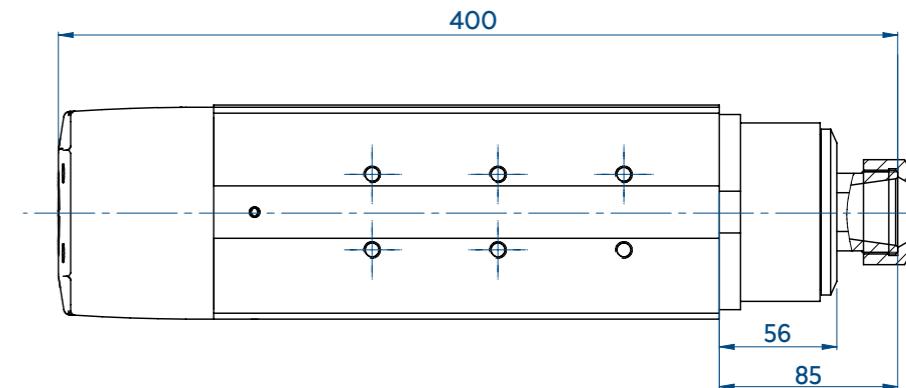
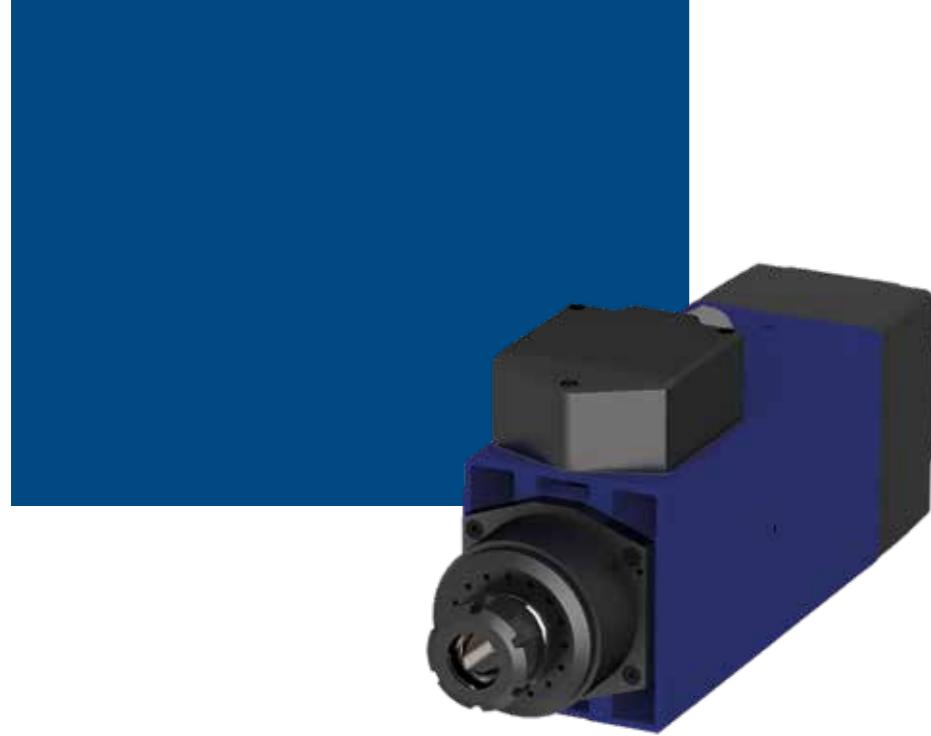
EQUIPAGGIAMENTO EQUIPMENT

	Raffreddamento con elettroventola Electrofan cooling
	ER32 DX
OPZIONALI OPTIONALS	
	Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1F 6/18 18 ER32 DX



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	6
S6	kW	7,2
S1	Nm	3,2
S6	Nm	3,8
S1	A	12,5
S6	A	15,3
Volt		380
Poles		2
Supply		inverter
rpm		18000
kg		15

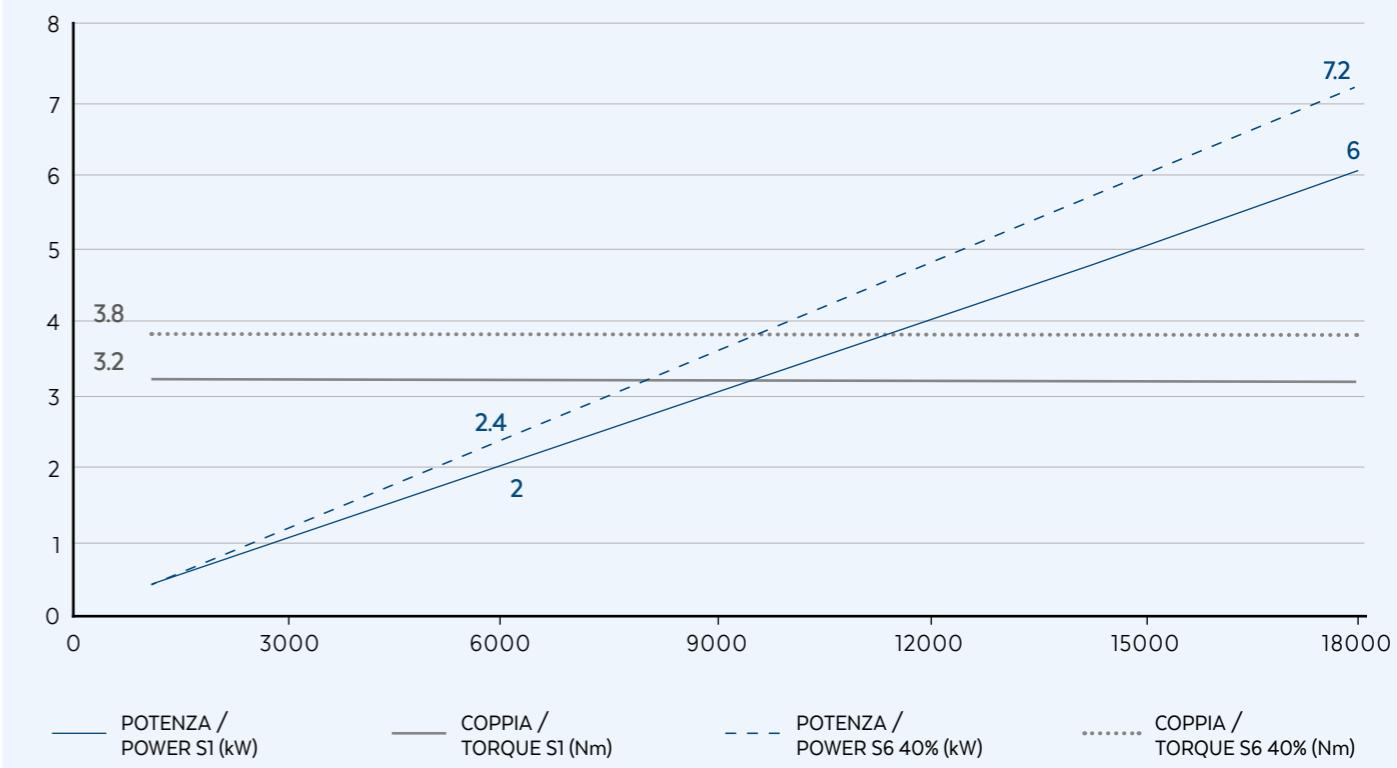
EQUIPAGGIAMENTO EQUIPMENT

- Raffreddamento con elettroventola
Electrofan cooling
- ER32 DX

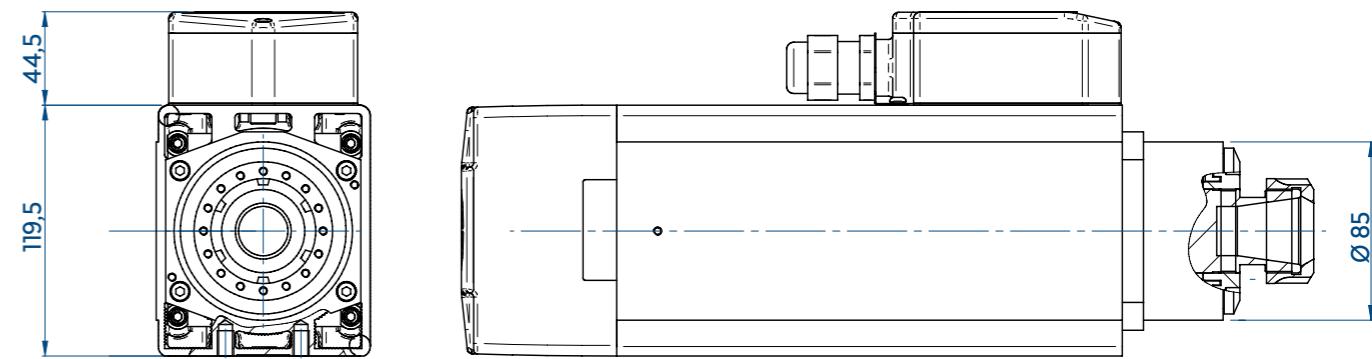
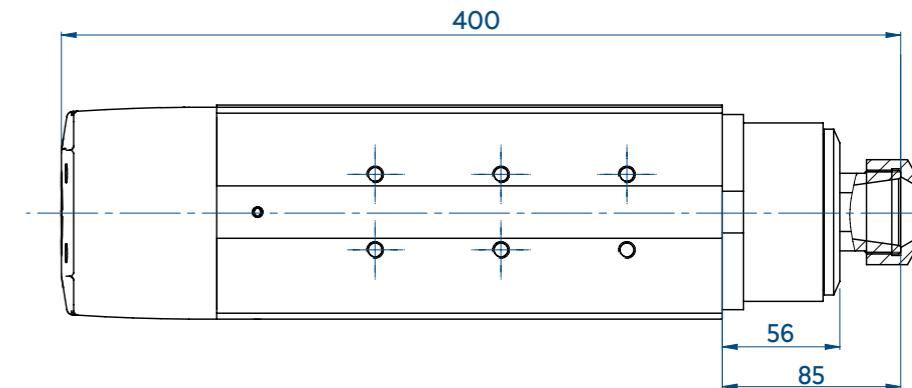
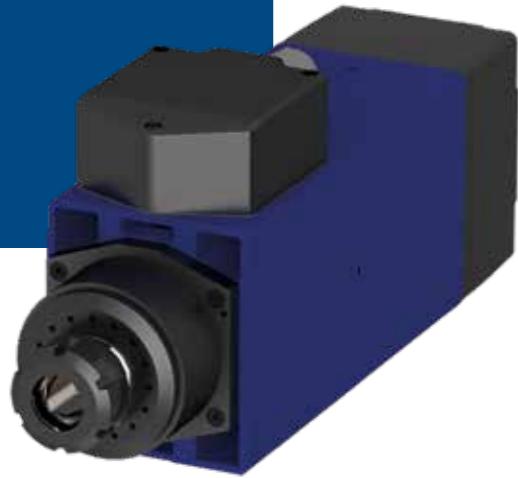
OPZIONALI OPTIONALS

- Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1F 4.5/18 24 ER32 DX



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	4,5
S6	kW	5,4
S1	Nm	2,4
S6	Nm	2,9
S1	A	9,5
S6	A	15
Volt		380
Poles		2
Supply		inverter
rpm		24000
kg		15

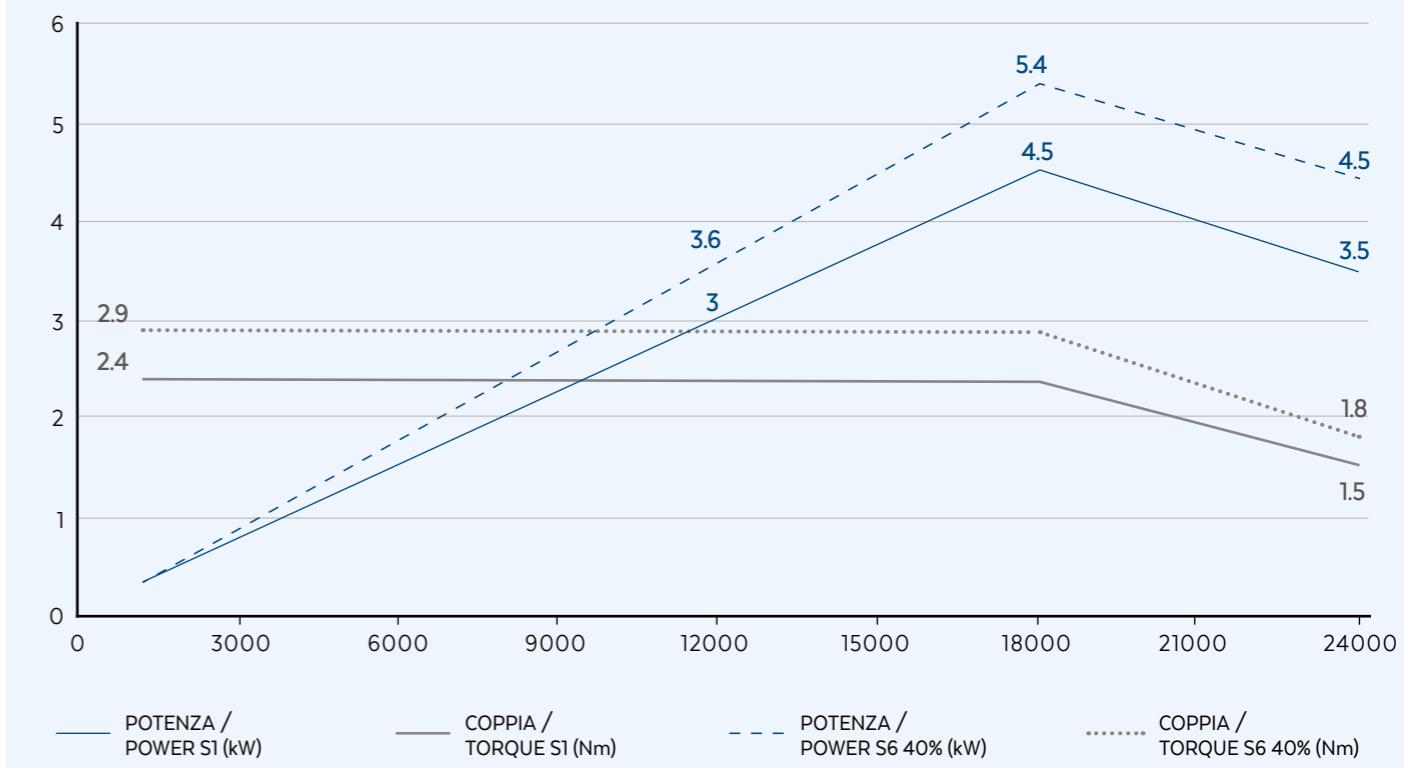
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento con elettoreventola Electrofan cooling
- ER32 DX

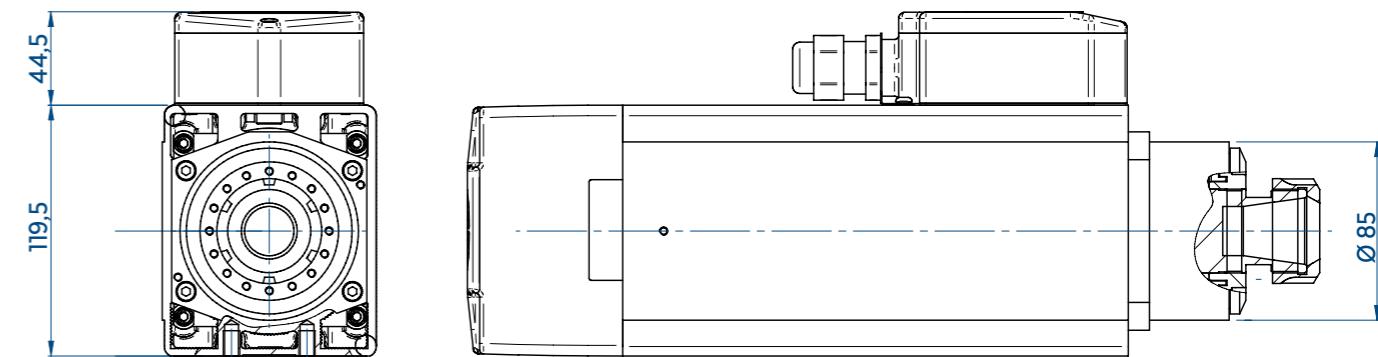
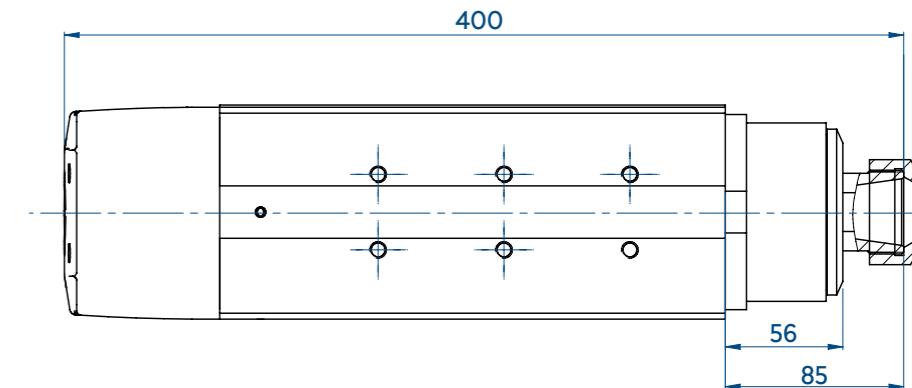
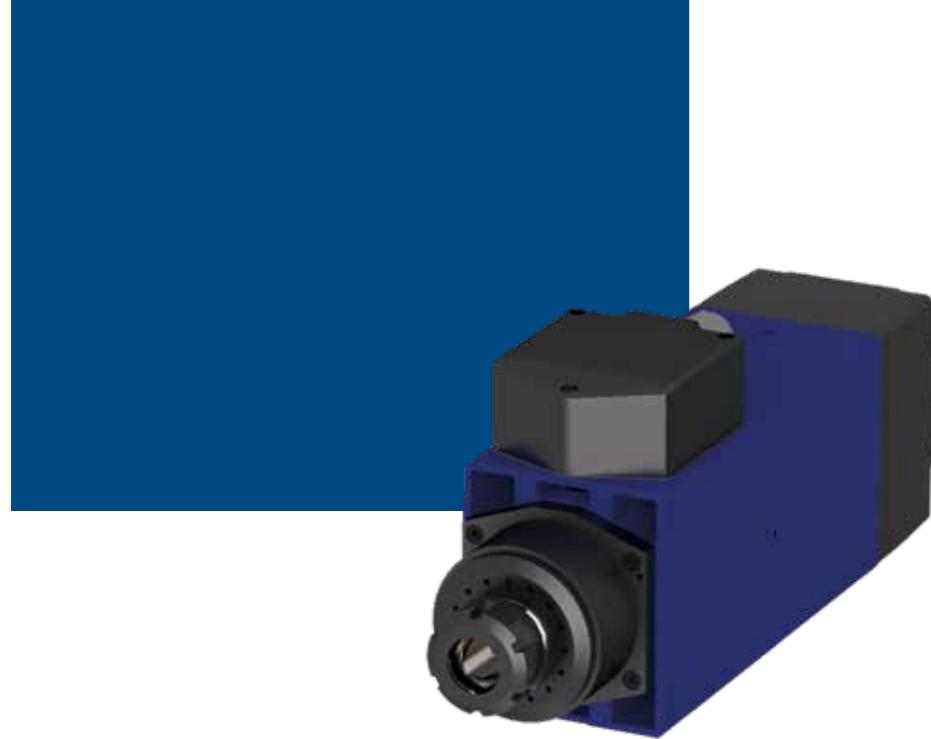
OPZIONALI OPTIONALS

- Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1F 6/18 24 ER32 DX



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	6
S6	kW	7,2
S1	Nm	3,2
S6	Nm	3,8
S1	A	12,5
S6	A	15,3
Volt		380
Poles		2
Supply	inverter	
rpm		24000
kg		15

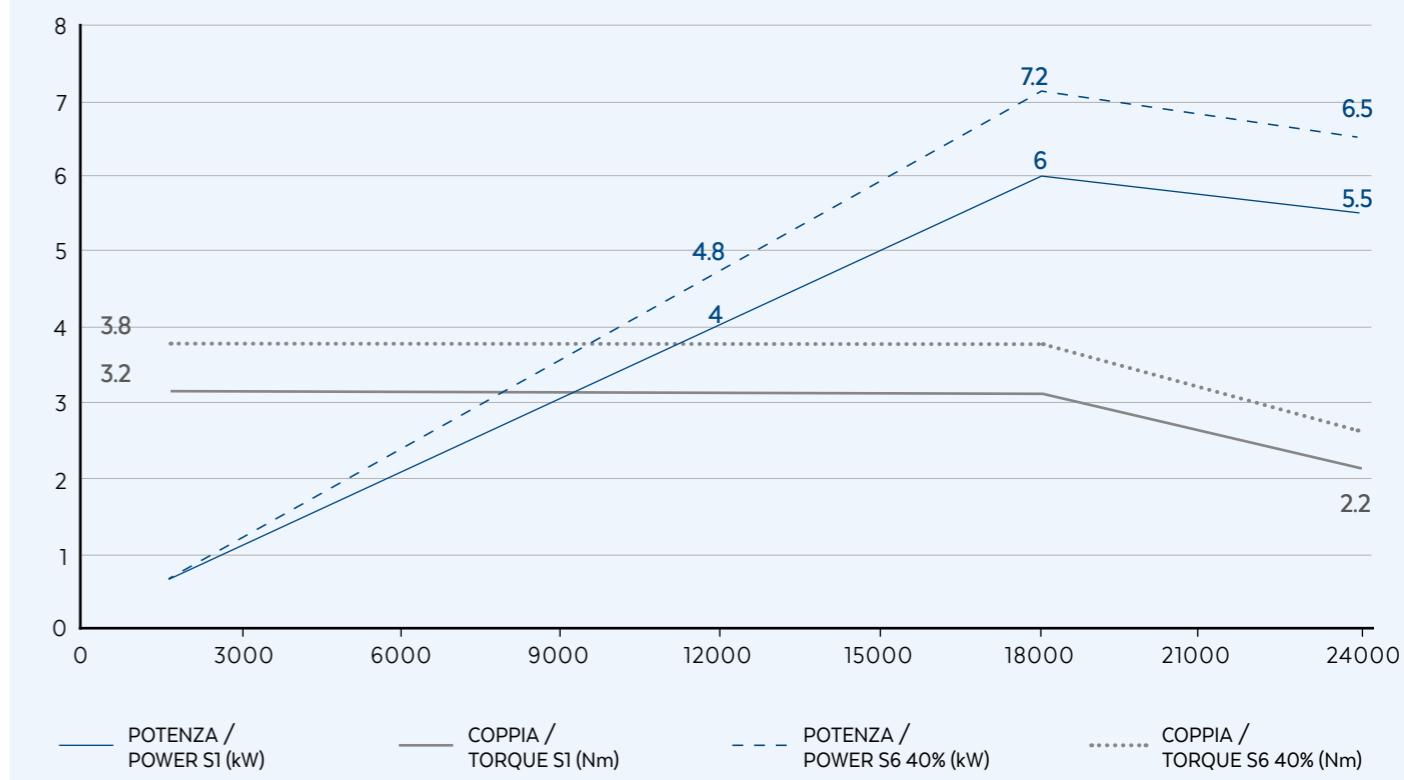
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento con elettoreventola Electrofan cooling
- ER32 DX

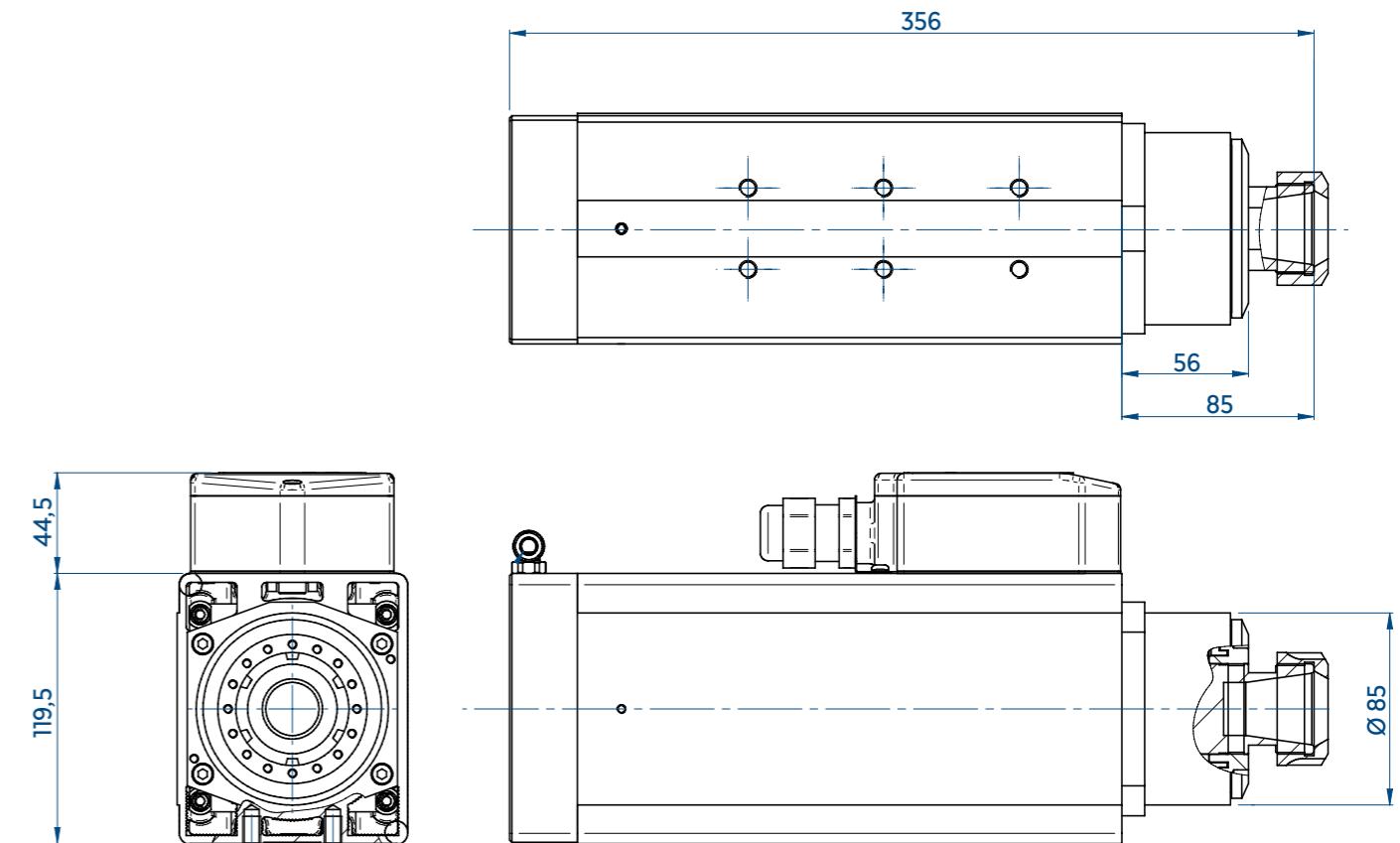
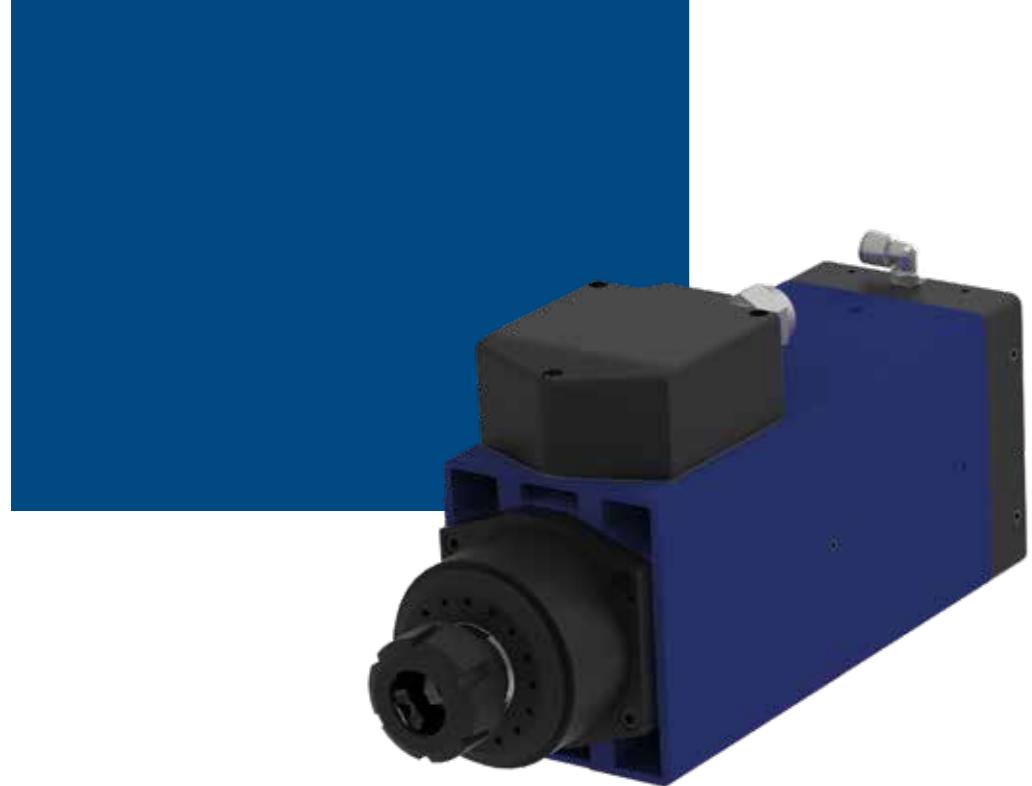
OPZIONALI OPTIONALS

- Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1C 4.5/18 18 ER32 DX



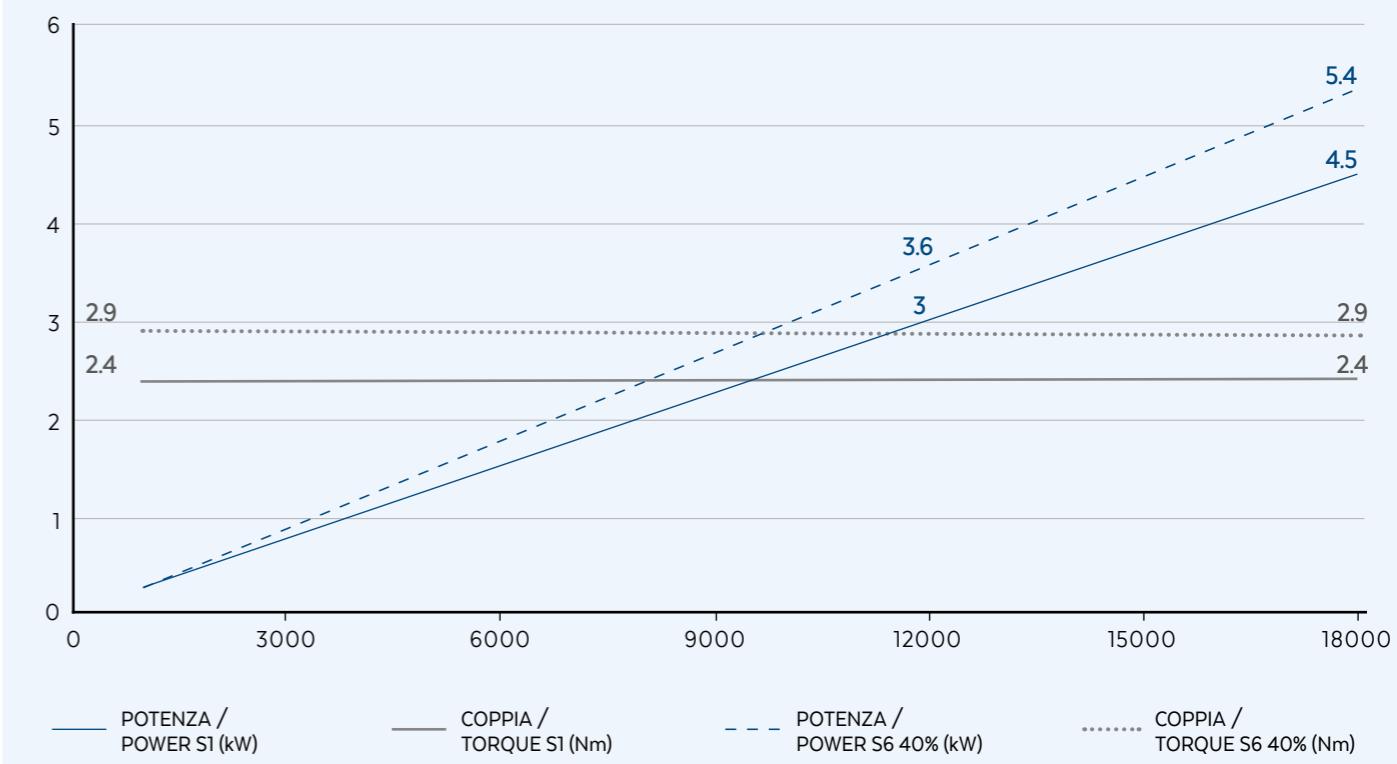
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	4,5
S6	kW	5,4
S1	Nm	2,4
S6	Nm	2,9
S1	A	9,5
S6	A	12,8
Volt		380
Poles		2
Supply		inverter
rpm		18000
kg		15

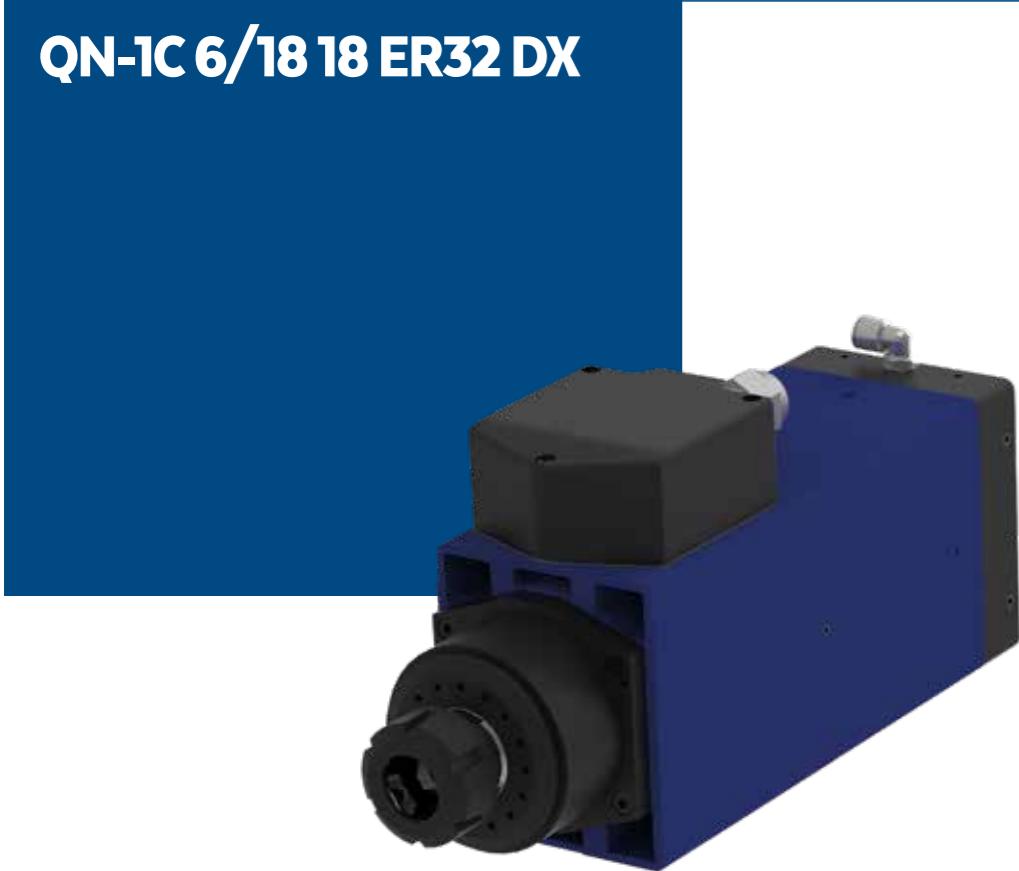
EQUIPAGGIAMENTO EQUIPMENT

	Raffreddamento con aria compressa Compressed air cooling
	ER32 DX
OPZIONALI OPTIONALS	
	Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1C 6/18 18 ER32 DX



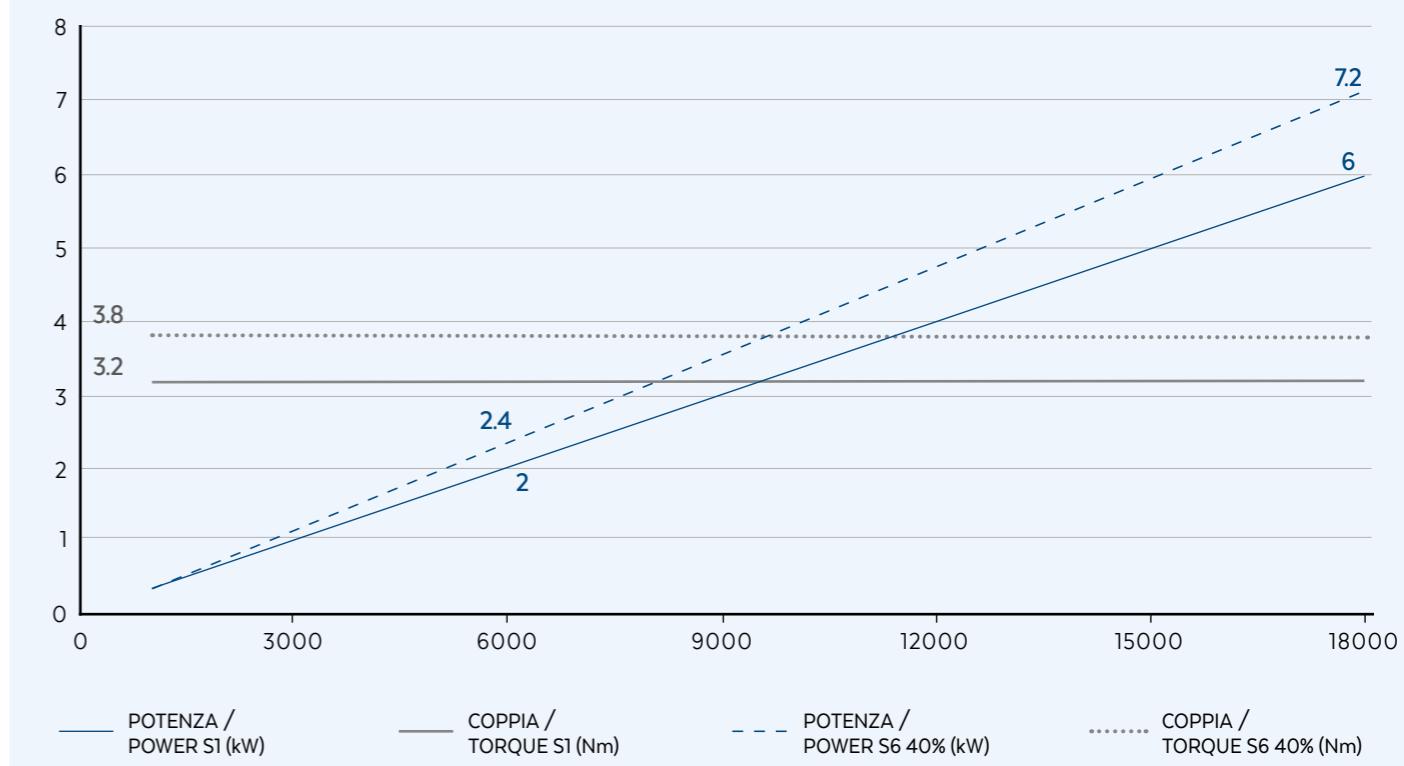
SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	6
S6	kW	7,2
S1	Nm	3,2
S6	Nm	3,8
S1	A	12,5
S6	A	15,3
Volt		380
Poles		2
Supply		inverter
rpm		18000
kg		15

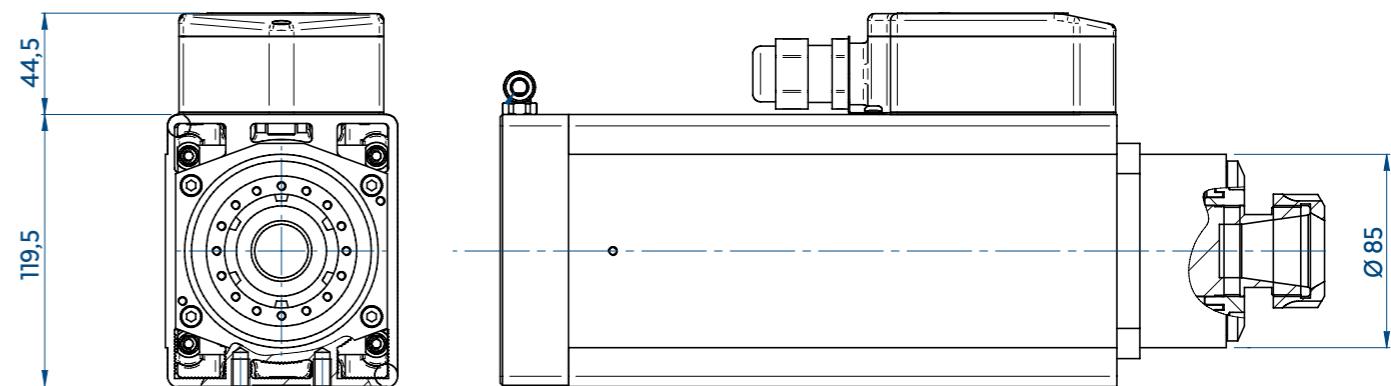
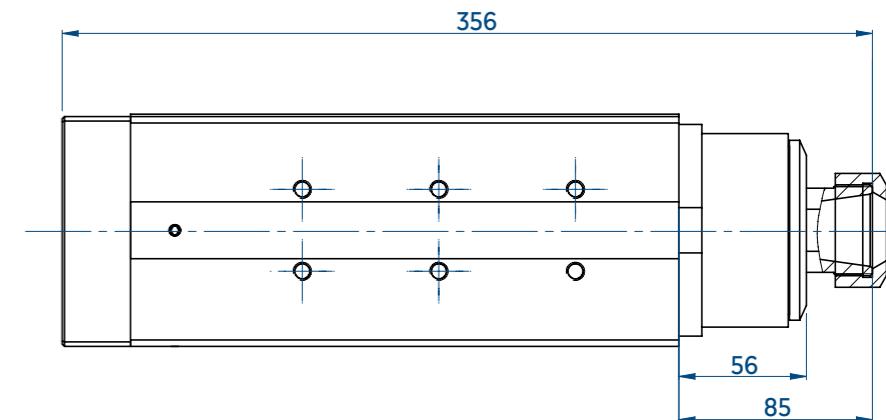
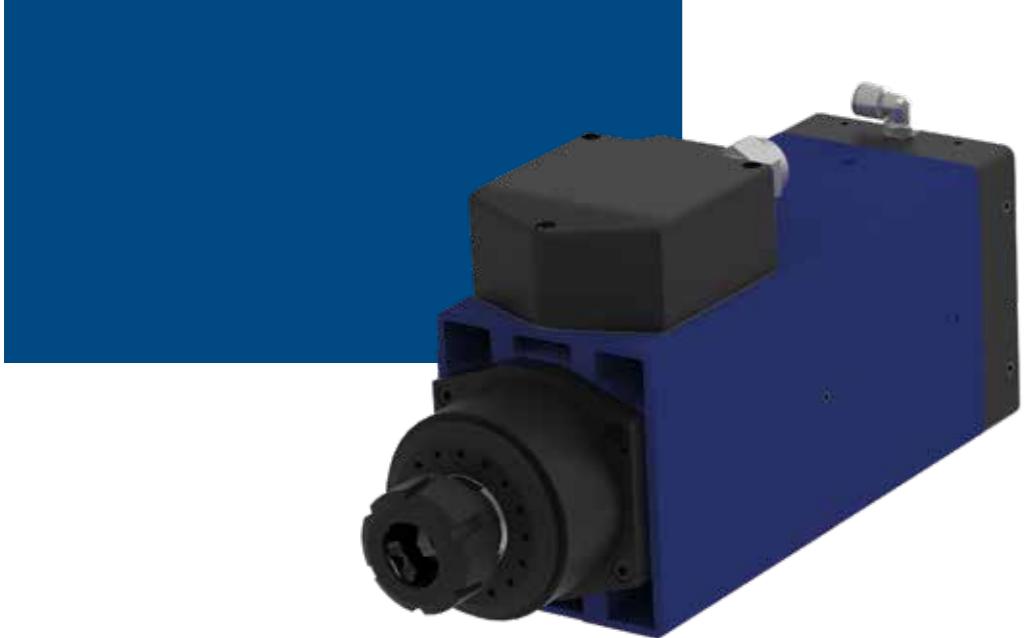
EQUIPAGGIAMENTO EQUIPMENT

	Raffreddamento con aria compressa Compressed air cooling
	ER32 DX
OPZIONALI OPTIONALS	
	Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1C 4.5/18 24 ER32 DX



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	4,5
S6	kW	5,4
S1	Nm	2,4
S6	Nm	2,9
S1	A	9,5
S6	A	15
Volt		380
Poles		2
Supply	inverter	
rpm		24000
kg		15

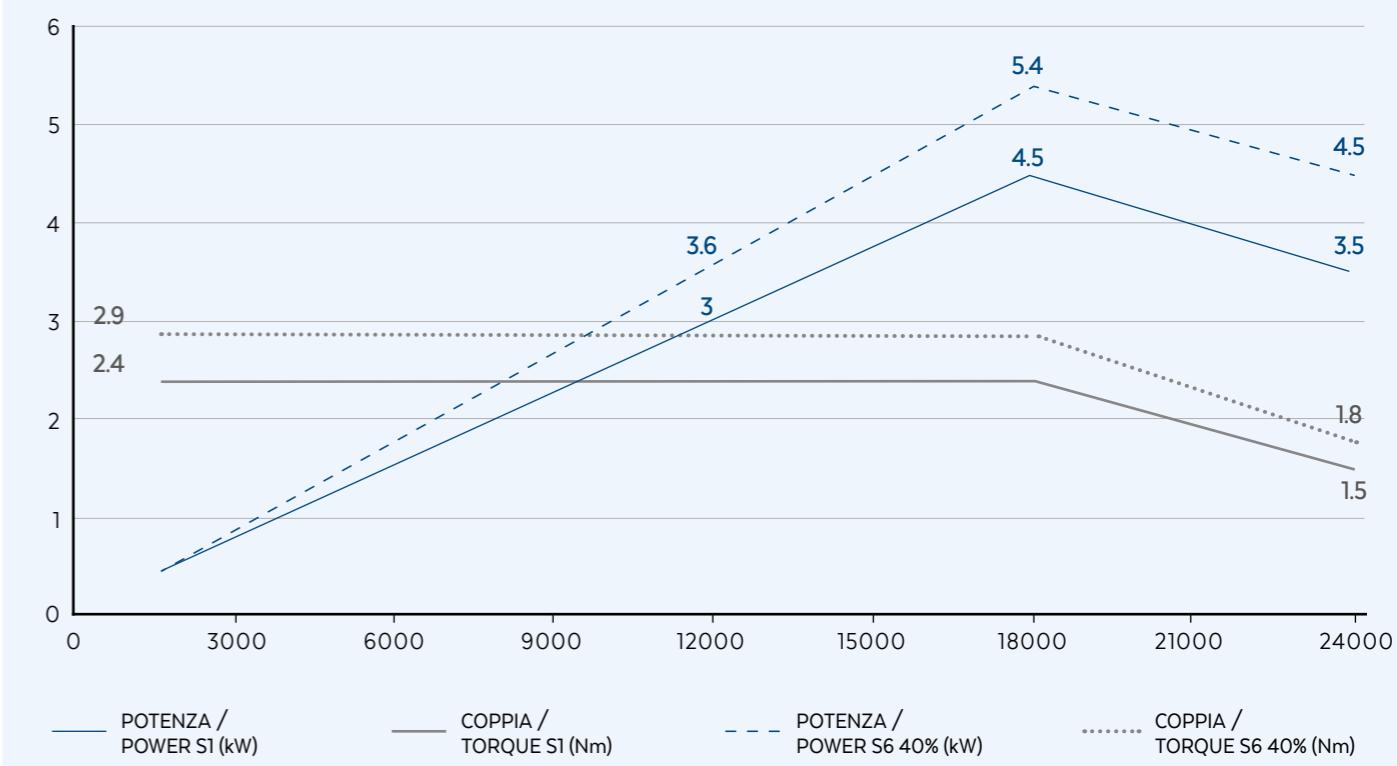
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento con aria compressa Compressed air cooling
- ER32 DX

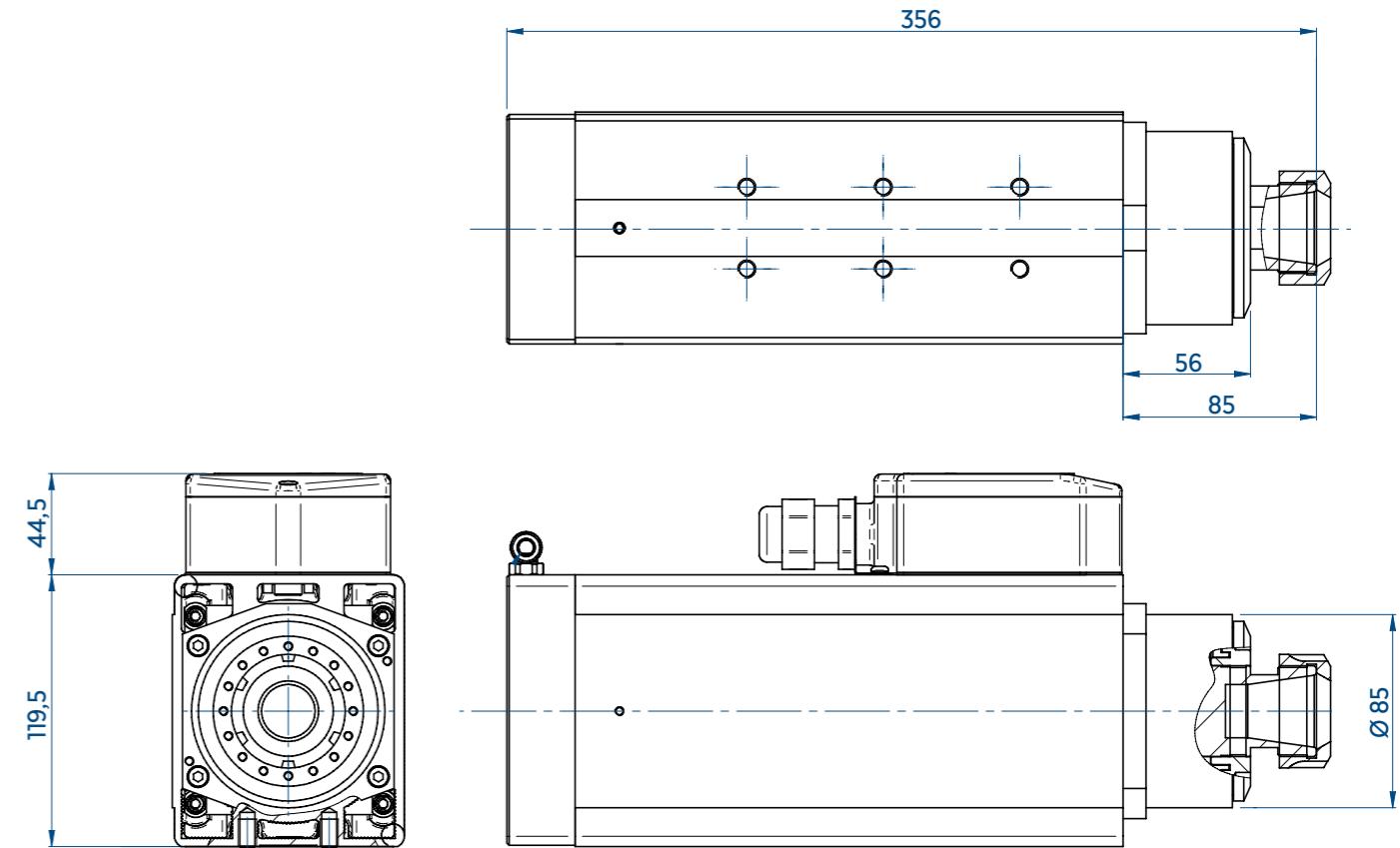
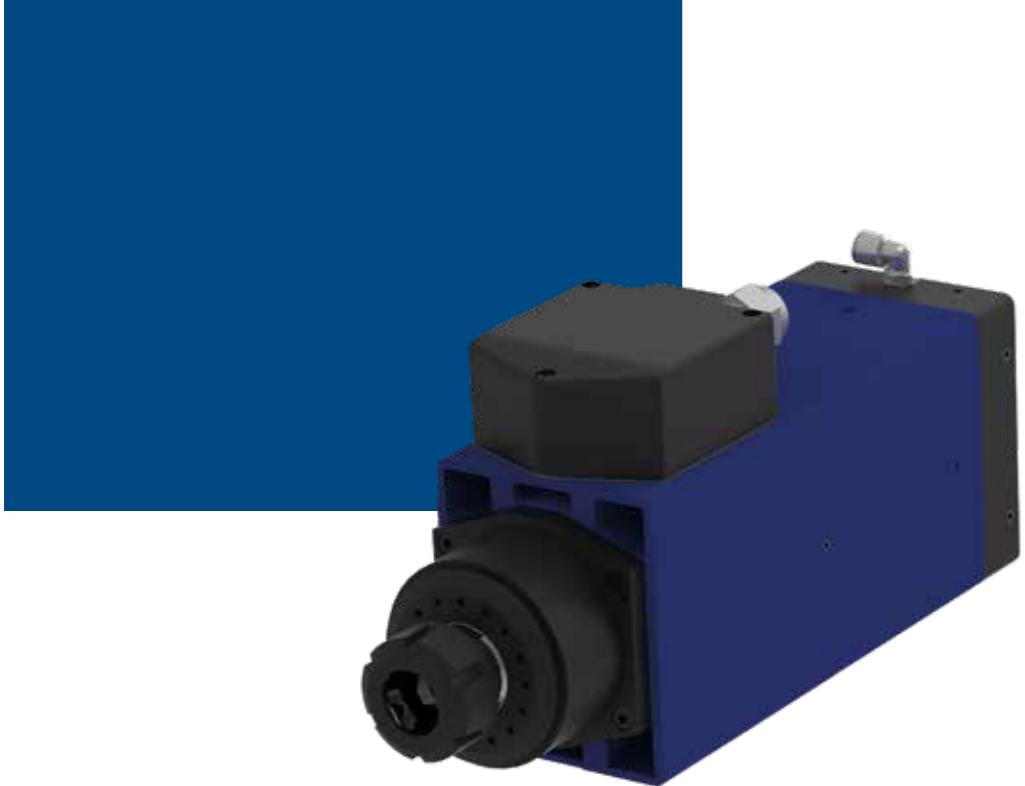
OPZIONALI OPTIONALS

- Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



QN-1C 6/18 24 ER32 DX



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW	6
S6	kW	7,2
S1	Nm	3,2
S6	Nm	3,8
S1	A	12,5
S6	A	15,3
Volt		380
Poles		2
Supply		inverter
rpm		24000
kg		15

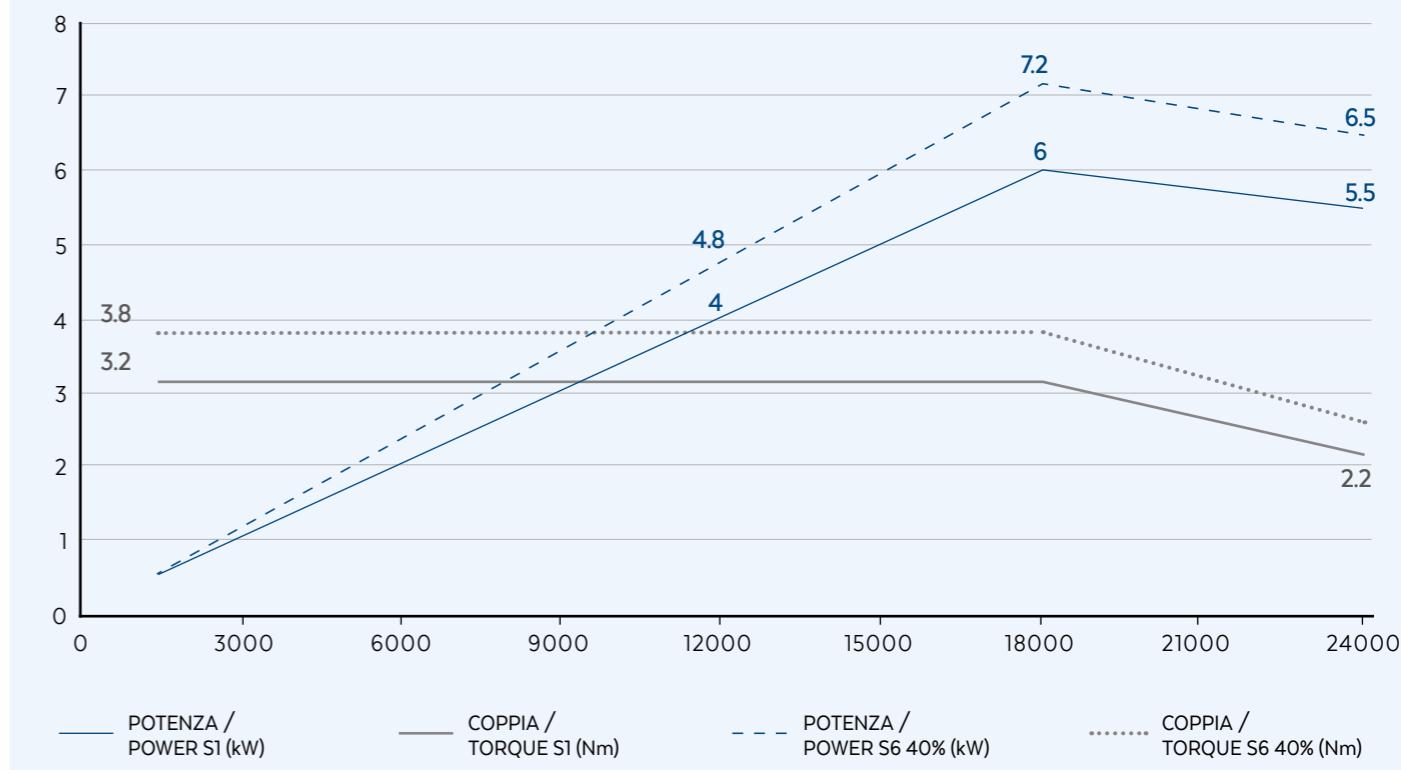
EQUIPAGGIAMENTO EQUIPMENT

- Cuscinetti ceramici Ceramic ball bearings
- Raffreddamento con aria compressa Compressed air cooling
- ER32 DX

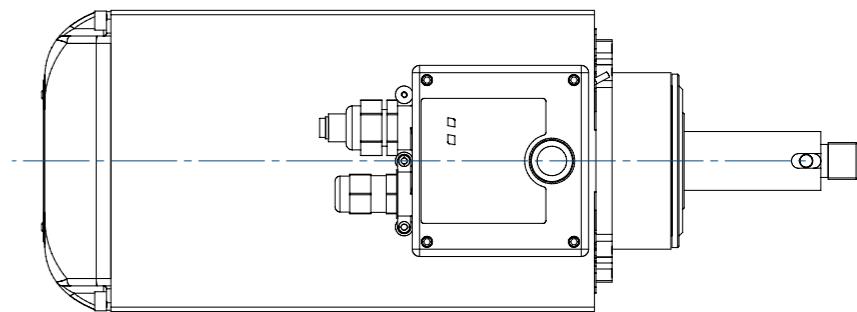
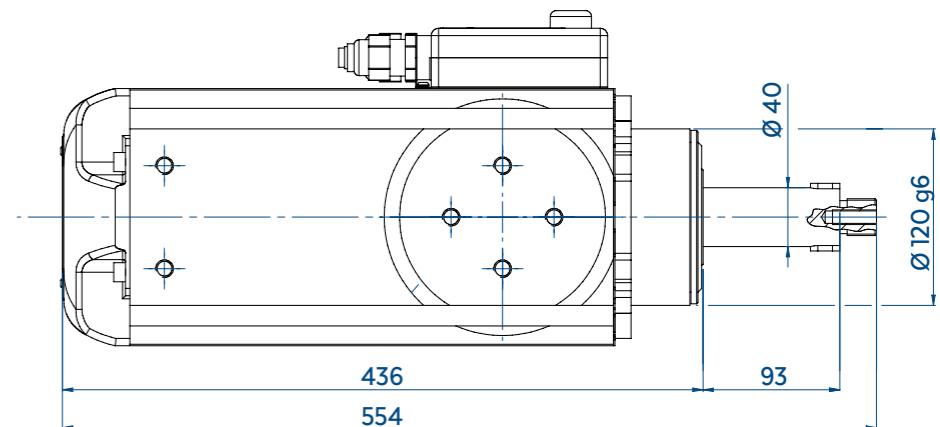
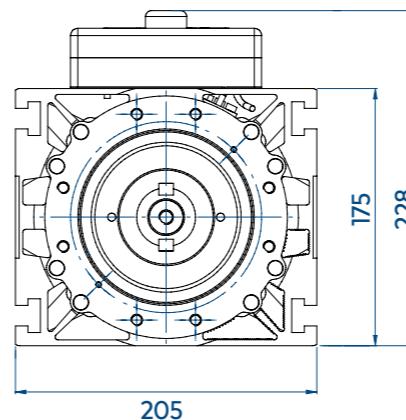
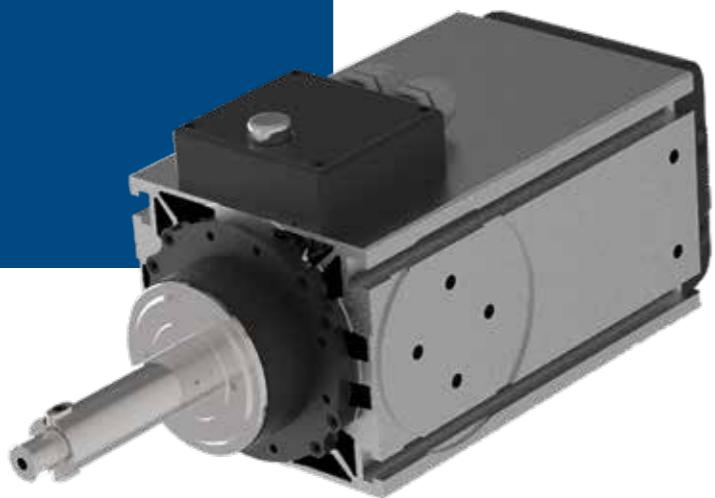
OPZIONALI OPTIONALS

- Dual voltage 220V-380V

PRESTAZIONI PERFORMANCES



MQH-18/6 9 D40 L93 RS



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1	kW 8
S6	kW 10
S1	Nm 12,7
S6	Nm 15,9
S1	A 15,8
S6	A 18,7
Volt	380
Poles	4
Supply	inverter
rpm	9000
kg	55

EQUIPAGGIAMENTO EQUIPMENT

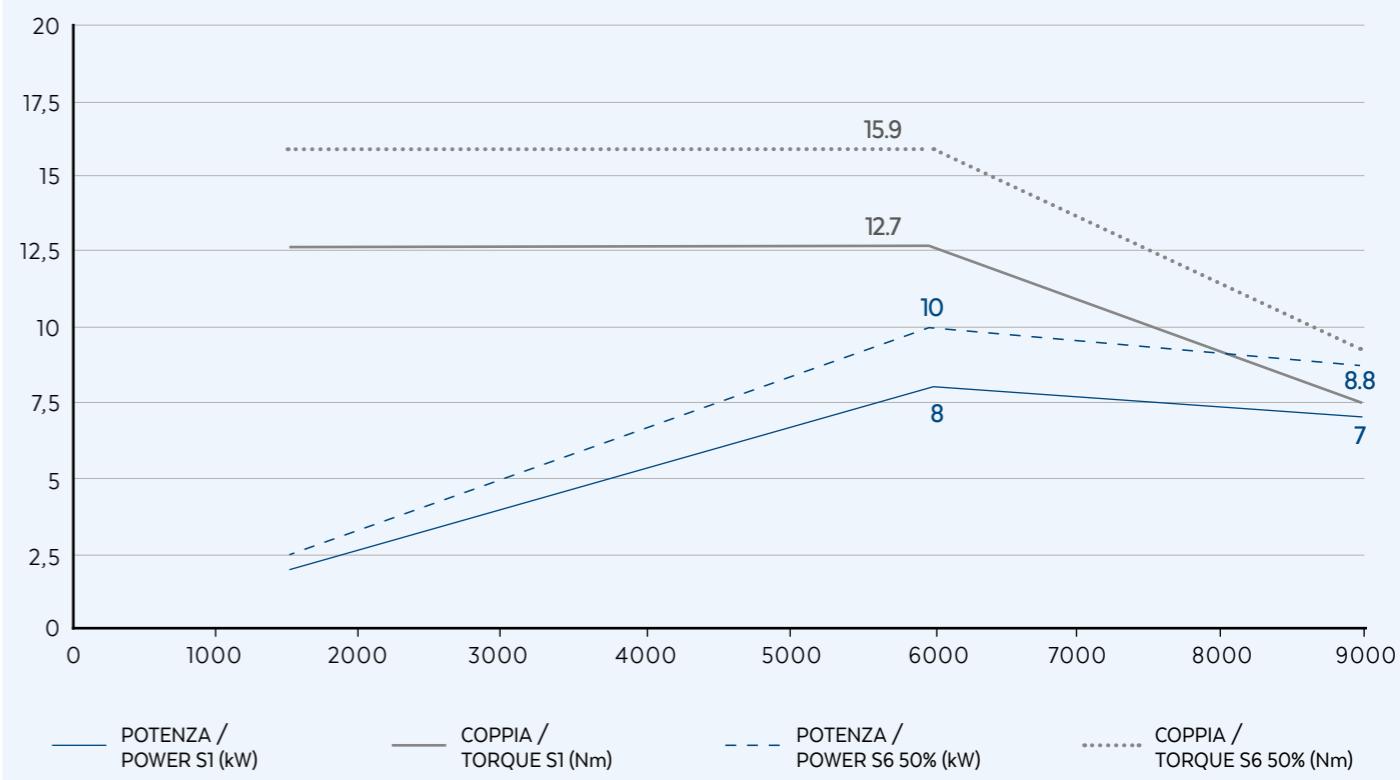
Aria forzata (ventola calettata su albero)
By fan on the shaft

OPZIONALI OPTIONALS

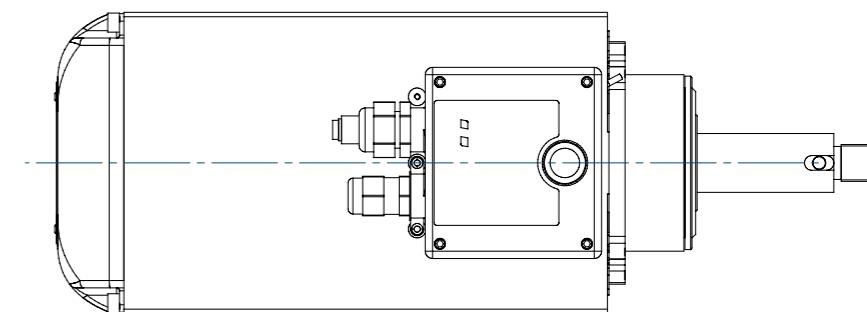
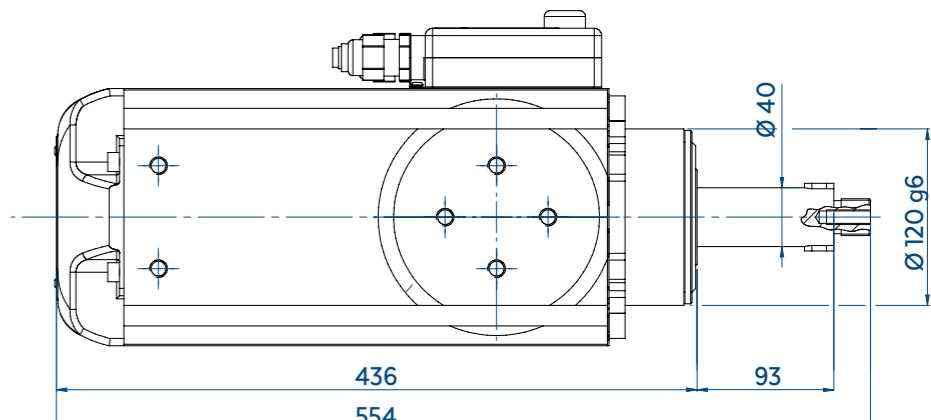
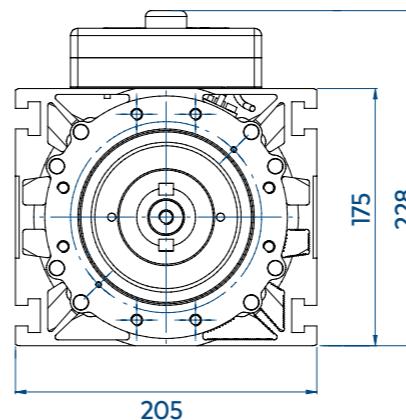
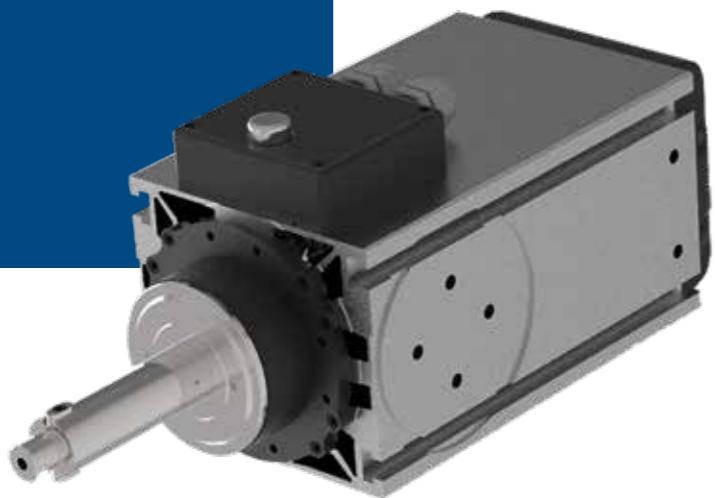
Albero D40 L75-ES
Shaft D40 L75-ES

Albero D40 L123
Shaft D40 L123

PRESTAZIONI PERFORMANCES



MQH-113/6 9 D40 L93 RS



SPECIFICHE TECNICHE TECHNICAL SPECIFICATIONS

S1 kW	13
S6 kW	14,5
S1 Nm	20,7
S6 Nm	22,7
S1 A	25,8
S6 A	30
Volt	380
Poles	4
Supply	inverter
rpm	9000
kg	55

EQUIPAGGIAMENTO EQUIPMENT

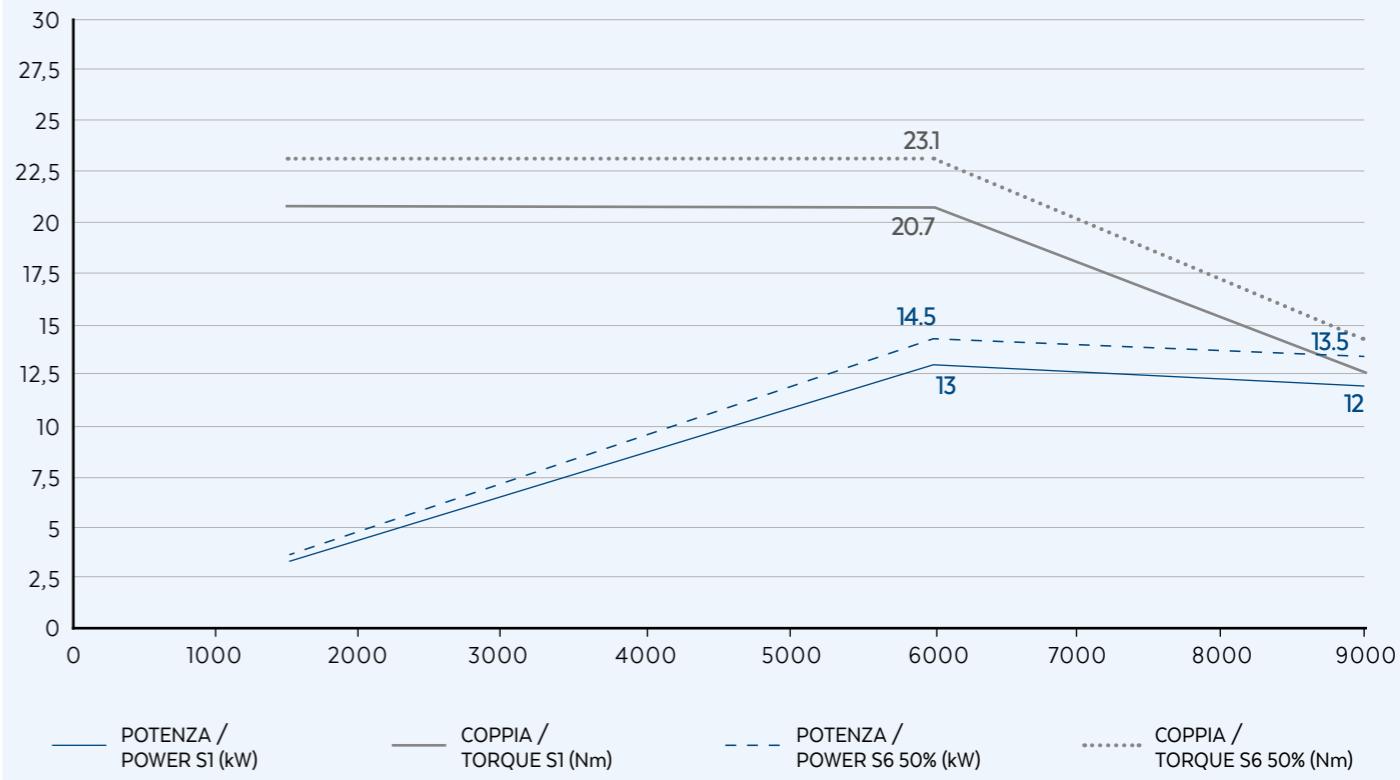
Aria forzata (ventola calettata su albero)
By fan on the shaft

OPZIONALI OPTIONALS

Albero D40 L75-ES
Shaft D40 L75-ES

Albero D40 L123
Shaft D40 L123

PRESTAZIONI PERFORMANCES



ADDITIONAL EQUIPMENT

-
- C-Axis p.160
 - Reference sleeve p.160
 - Tool holder p.161
 - Tool finger p.161
 - Heat exchanger p.161



C-AXIS FOR POWERTECH 300-400

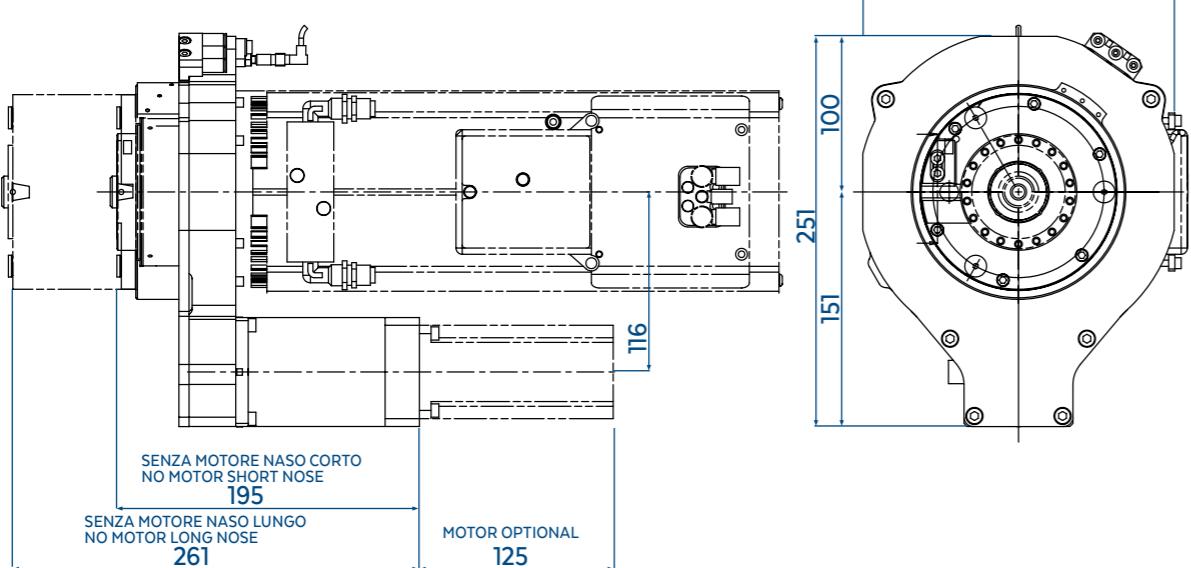
Compass Naso corto (NC) con 3 utenze pneumatiche,
con servomotore Yaskawa
Compass Short Nose (NC) with 3 pneumatic supplies,
with Yaskawa servomotor

Compass Naso lungo (NL) con 3 utenze pneumatiche,
con servomotore Yaskawa
Compass Long Nose (NL) with 3 pneumatic supplies
with Yaskawa servomotor



OPZIONALI OPTIONALS

Disponibile senza servomotore
Available without servomotor



RIFERIMENTO TESTINE REFERENCE SLEEVE

Riferimento testine per PT200: 2 posizioni,
senza utenze pneumatiche
Reference sleeve for PT200: 2 positions,
without pneumatic supplies

Riferimento testine per PT250: 2 posizioni,
con o senza utenze pneumatiche
Reference sleeve for PT250: 2 positions,
with or without pneumatic supplies



Riferimento testine per PT300-400: 2 posizioni,
disponibile in versione Naso corto e Naso lungo (NC e NL),
con e senza utenze pneumatiche
Reference sleeve for PT300-400: 2 positions, available
for Short and Long nose (NC and NL), with or without
pneumatic supplies

Riferimento testine per mandrini 5 assi
(con 1 utenza pneumatica)
Reference sleeve for 5-axis spindles
(with pneumatic supply)

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 finger size, contact Hiteco staff

PINZA PORTA UTENSILE TOOL FINGER

Tool finger
Pinza porta utensile HSK 63F

Tool finger
Pinza porta utensile ISO 30



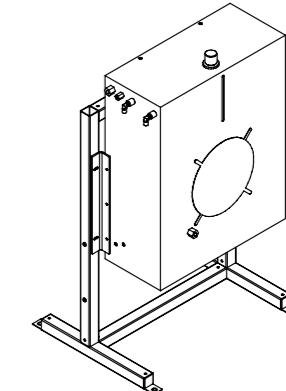
Per altre tipologie di pinze porta utensile,
contatta lo staff Hiteco
For other tool finger size, contact Hiteco staff

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 5 lt



OPZIONALI OPTIONALS

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

Start thinking light blue



162

change your head to be ahead



HITECO

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