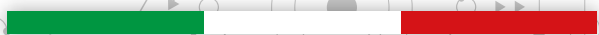


TESTE BIROTATIVE
BIROTARY UNITS



HITECO
HIGH TECHNOLOGY COMPONENTS



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

--
High-tech components for machine tool manufacturers.

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

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

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



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

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



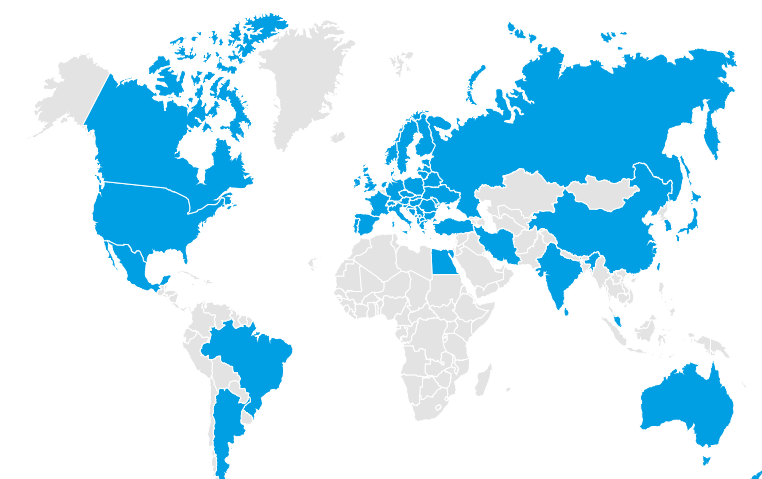
Hiteco nasce nel 1977 come divisione interna di **SCM Group**, azienda leader mondiale nella costruzione di macchine utensili per la lavorazione di una vasta gamma di materiali, realizzando un percorso di crescita esponenziale. Diventa nel 2008 **un'unità di profitto per servire il mercato terzi**. Oggi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

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



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

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



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

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



INDICE INDEX

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Technical data and illustrations are not binding and, for the constant development of products and services, HITECO reserves the right to make modifications without prior notice.

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p.6 SERIE **ORBITAL (50°)**

Legno e materiali avanzati / Wood and advanced materials

- p. 6 Orbital J
- p. 8 Orbital J HIGH SPEED
- p. 10 Orbital K
- p. 12 Orbital H

p.14 SERIE **TILT (90°)**

Materiali avanzati, leghe leggere, plastica e legno / Advanced materials, light alloys, plastic and wood

- p. 14 Tilt J
- p. 16 Tilt J HIGH SPEED
- p. 18 Tilt K
- p. 20 Tilt K PLUS
- p. 22 Tilt H
- p. 24 Tilt H PLUS
- p. 26 Tilt V
- p. 28 Tilt V QT
- p. 30 Tilt W
- p. 32 Tilt TLP

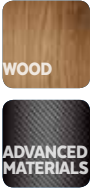
WOOD

PLASTIC

ADVANCED
MATERIALS

LIGHT
ALLOYS

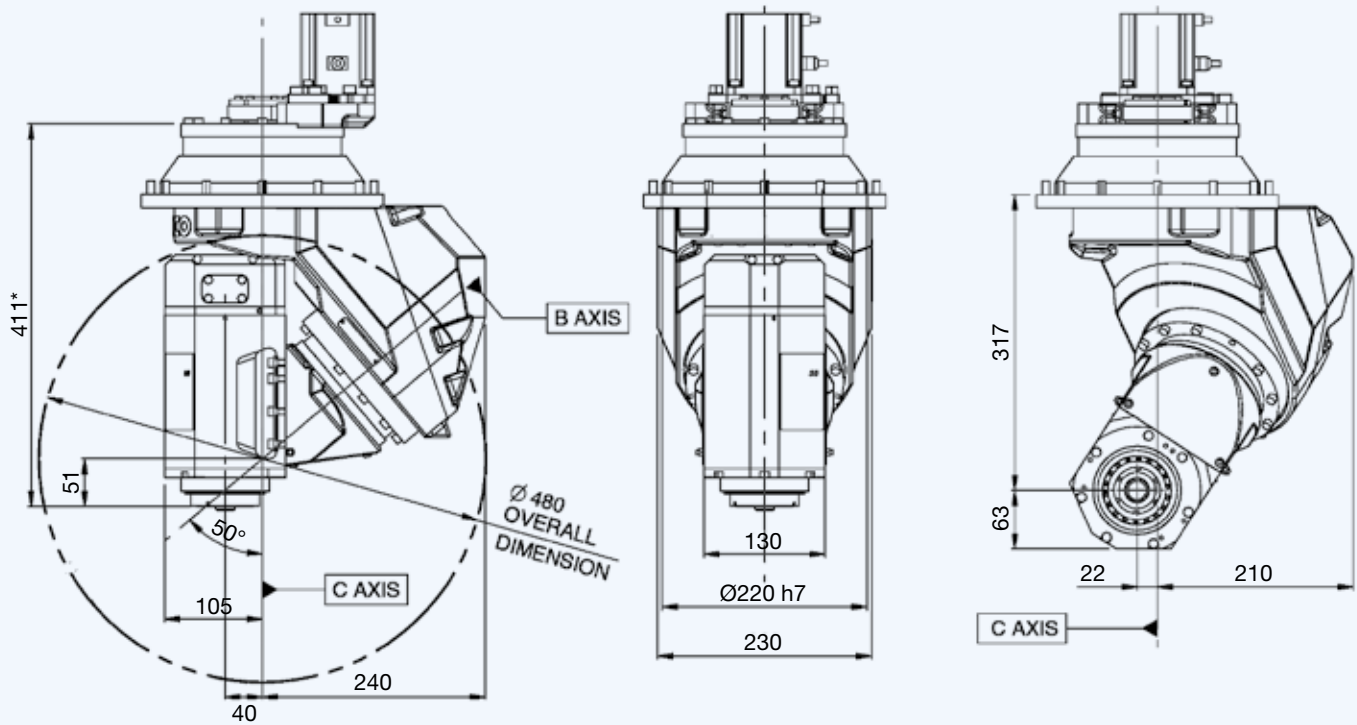
SERIE ORBITAL
ORBITAL J



AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Monitoraggio temperatura cuscinetti / Temperature monitoring of bearings
- Misuratore di velocità / Speed monitoring
- Sensori di vibrazione / Vibration sensor
- Encoder*

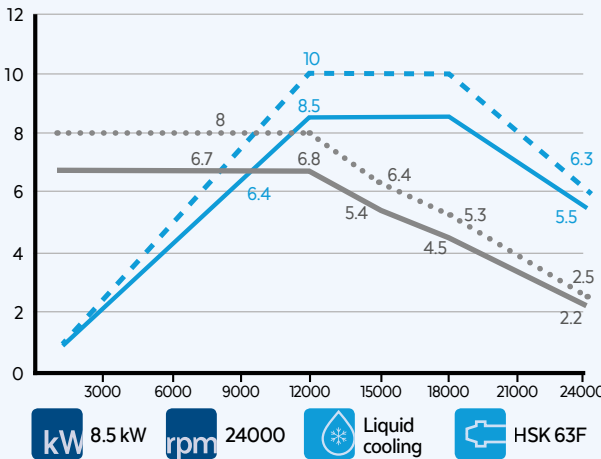
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

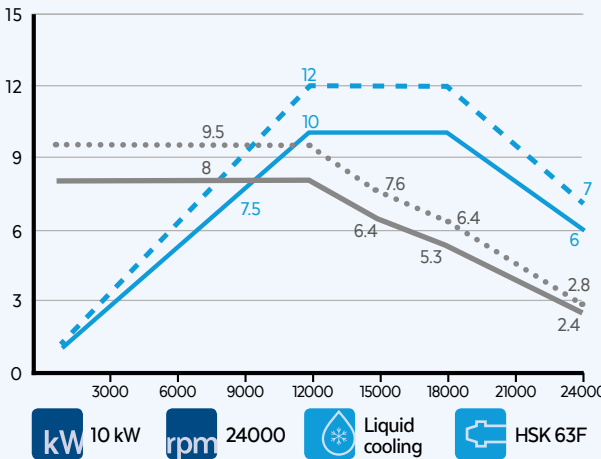
	ASSE B / B AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,4 kW	0,4 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	320 Nm	320 Nm
Coppia di picco / Peak torque	570 Nm	570 Nm
Max rotazione asse / Max axis rotation	±185°	±320°
Freni meccanici / Mechanical blocking of axes	No	No
Velocità posizionamento max / Max. positioning speed	7.000°/'	7.000°/'
Velocità di lavoro max / Max operating speed	4.000°/'	4.000°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		55 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

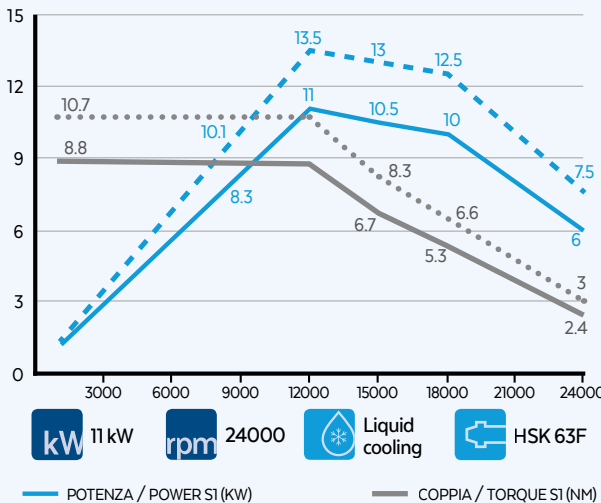
QX-2 8.5/12 24 63F NC



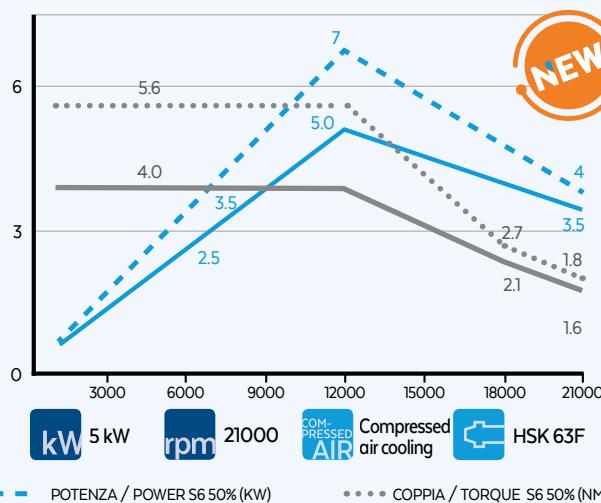
QX-2 10/12 24 63F NC



QX-2 11/12 24 63F NC

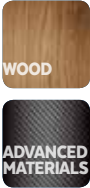


QX-1C 5/12 21 63F NC



*L'opzione encoder comporta un aumento di 25mm rispetto alla quota riportata nello schema
*When the unit is with encoder the quote increases by 25 mm from the one represented in the plan

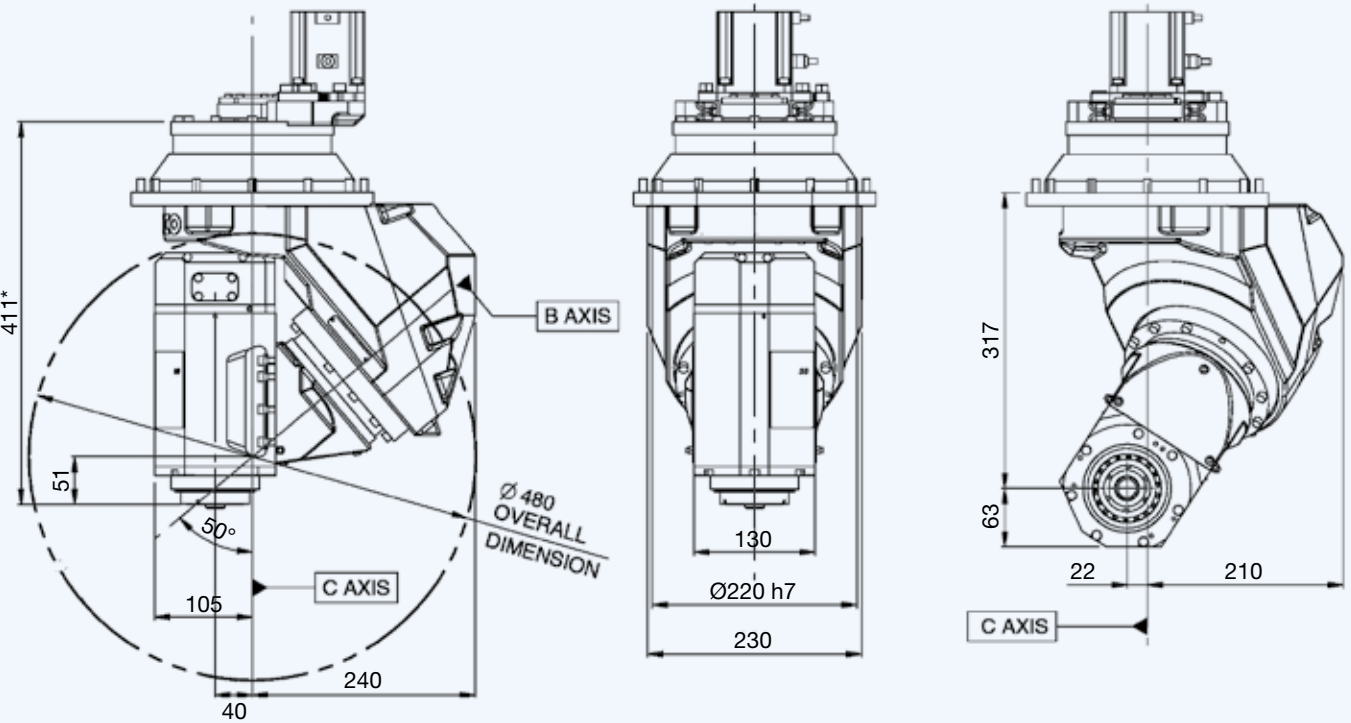
SERIE ORBITAL
ORBITAL J
HIGH SPEED



AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Monitoraggio temperatura cuscinetti / Temperature monitoring of bearings
- Misuratore di velocità / Speed monitoring
- Sensori di vibrazione / Vibration sensor
- Encoder*

*L'opzione encoder comporta un aumento di 25mm rispetto alla quota riportata nello schema
*When the unit is with encoder the quote increases by 25 mm from the one represented in the plan

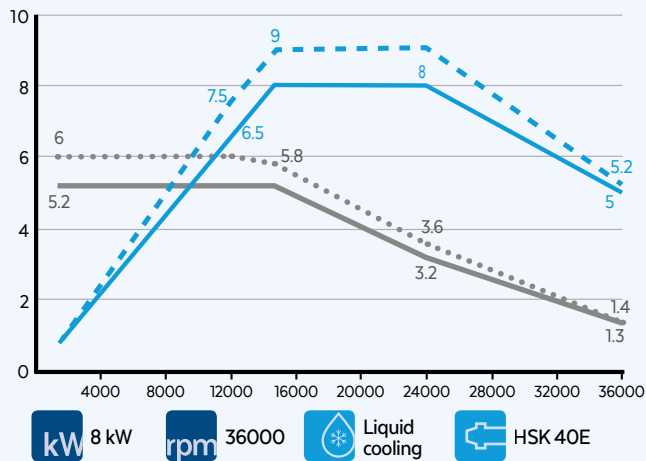
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

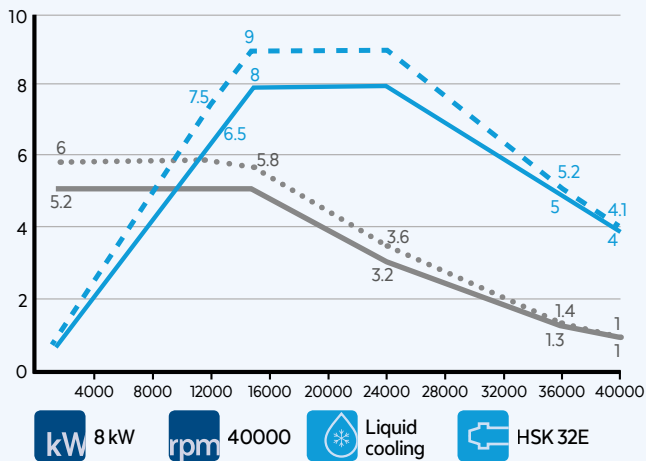
	ASSE B / B AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,4 kW	0,4 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	320 Nm	320 Nm
Coppia di picco / Peak torque	570 Nm	570 Nm
Max rotazione asse / Max axis rotation	±185°	±320°
Freni meccanici / Mechanical blocking of axes	No	No
Velocità posizionamento max / Max. positioning speed	7.000°/'	7.000°/'
Velocità di lavoro max / Max operating speed	4.000°/'	4.000°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		55 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

QX-2 8/15 36 40E NC

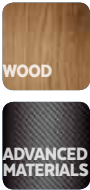


QX-2 8/15 40 32E NC



— POTENZA / POWER S1 (kW) — COPPIA / TORQUE S1 (NM) — — POTENZA / POWER S6 50% (kW) COPPIA / TORQUE S6 50% (NM)

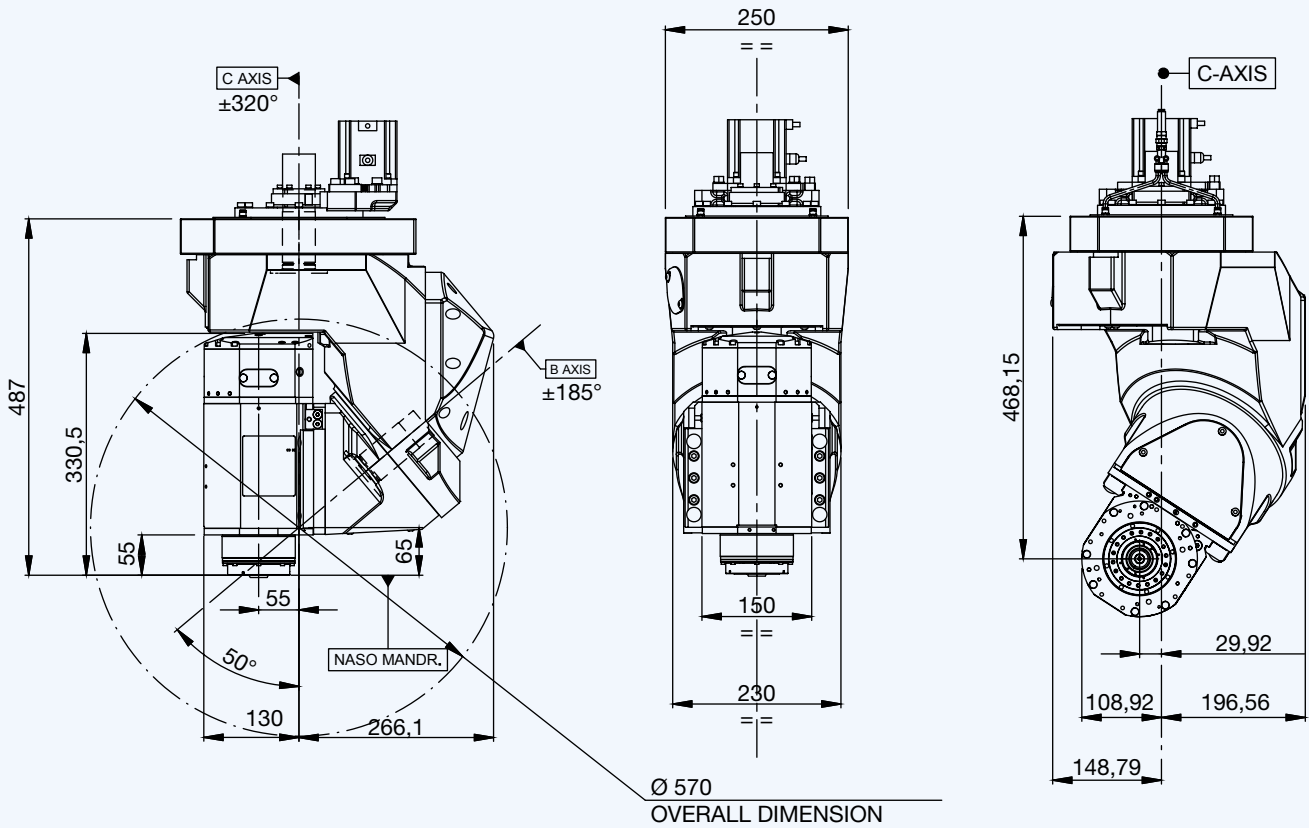
SERIE ORBITAL
ORBITAL K



AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Naso lungo / Long nose
- HSK 63E
- HSK 63A
- Monitoraggio temperatura cuscinetti / Temperature monitoring of bearings
- Misuratore di velocità / Speed monitoring
- Sensori di vibrazione / Vibration sensor
- Encoder

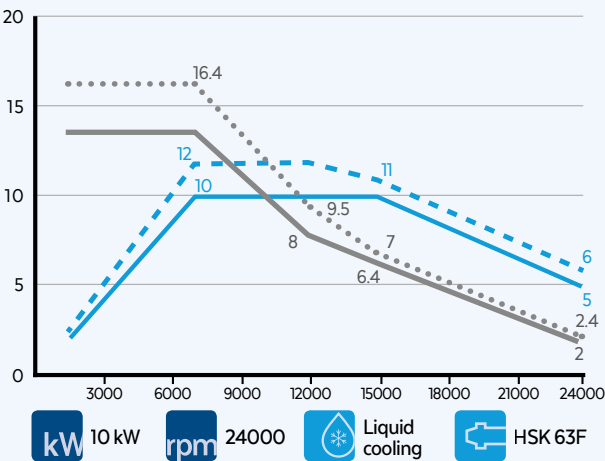
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

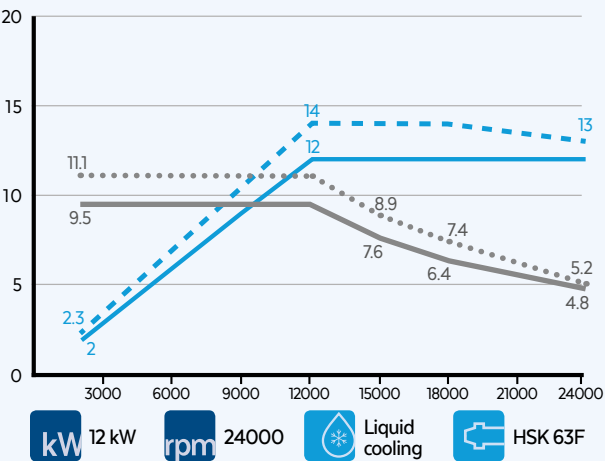
	ASSE B / B AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,4 kW	0,4 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	320 Nm	320 Nm
Coppia di picco / Peak torque	570 Nm	570 Nm
Max rotazione asse / Max axis rotation	±185°	±320°
Freni meccanici / Mechanical blocking of axes	No	Si Yes
Velocità posizionamento max / Max. positioning speed	7.000°/'	7.000°/'
Velocità di lavoro max / Max operating speed	4.000°/'	4.000°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		100 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

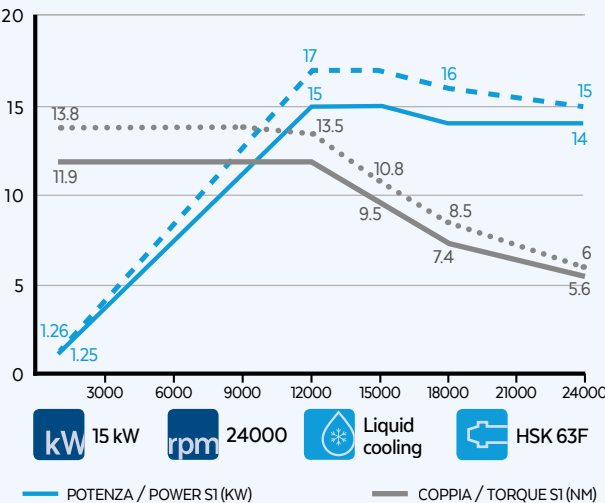
PX-2 10/7 24 63F NC



PX-2 12/12 24 63F NC

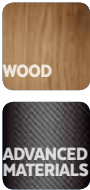


PX-2 15/12 24 63F NC



--- POTENZA / POWER S6 50% (kW) COPPIA / TORQUE S6 50% (NM)

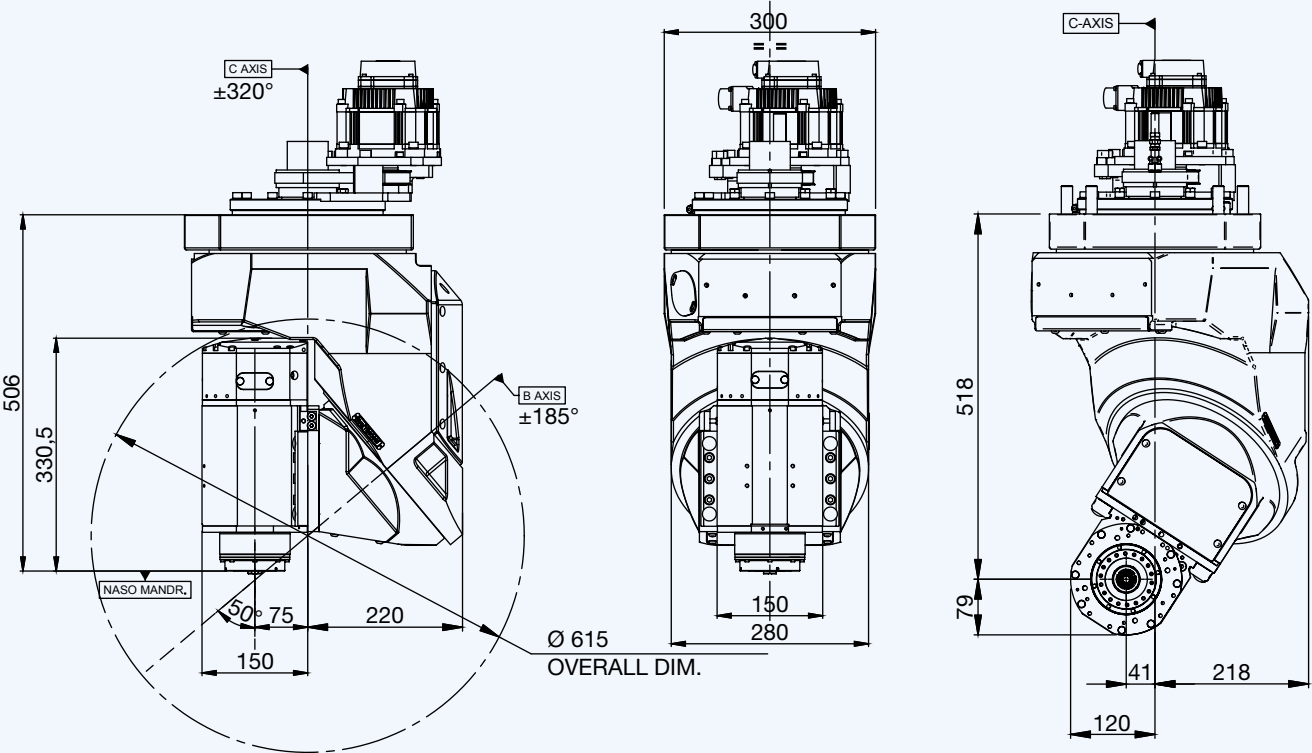
SERIE ORBITAL
ORBITAL H



AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Naso lungo / Long nose
- HSK 63E
- HSK 63A (Standard on 20 kw)
- Monitoraggio temperatura cuscinetti / Temperature monitoring of bearings
- Misuratore di velocità / Speed monitoring
- Sensori di vibrazione / Vibration sensor
- Encoder

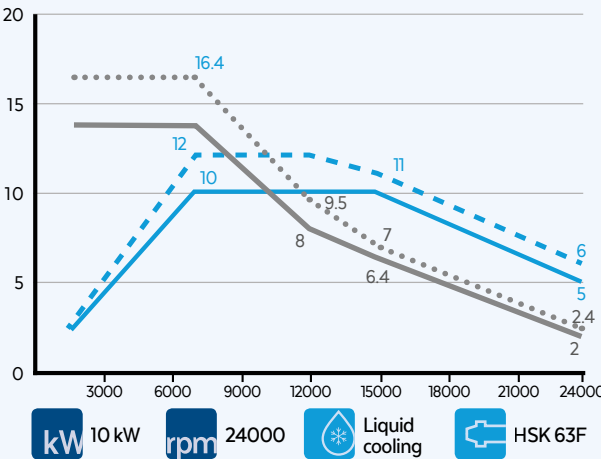
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

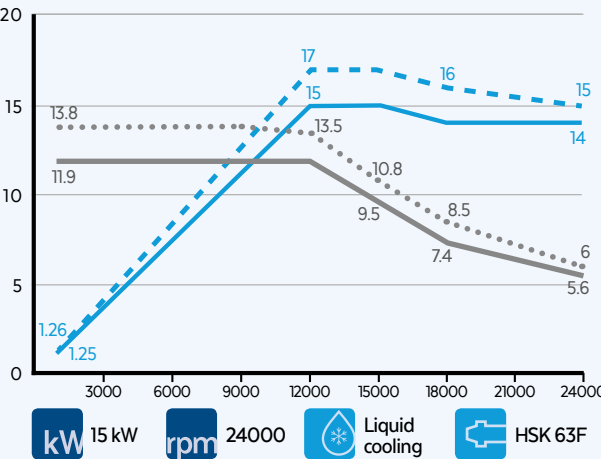
	ASSE B / B AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,75 kW	0,85 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Sumitomo	Harmonic Drive
Coppia max continua / Max. continuous torque	320 Nm	670 Nm
Coppia di picco / Peak torque	740 Nm	980 Nm
Max rotazione asse / Max axis rotation	±185°	±320°
Freni meccanici / Mechanical blocking of axes	Si Yes	Si Yes
Velocità posizionamento max / Max. positioning speed	10.000°/'	11.500°/'
Velocità di lavoro max / Max operating speed	4.500°/'	5.500°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		140 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

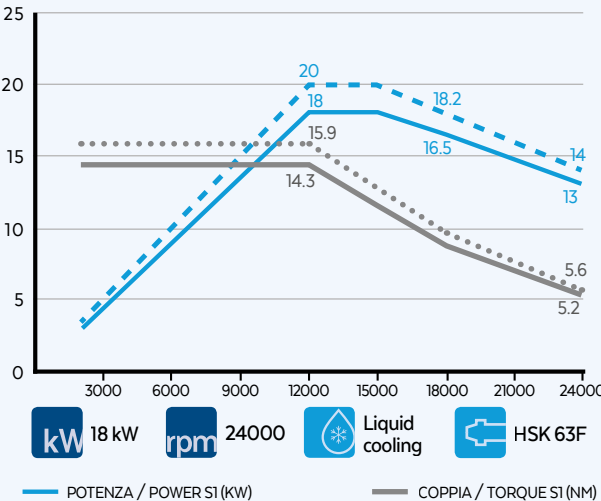
PX-2 10/7 24 63F NC



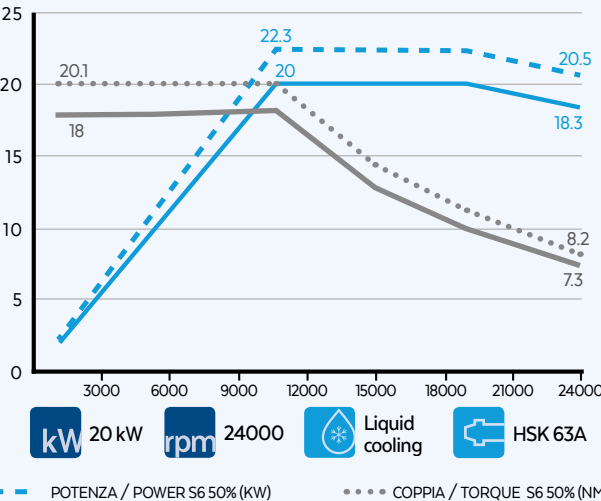
PX-2 15/12 24 63F NC



PX-2 18/12 24 63F NC



PX-2 20/10 24 63A NC ES SYNCHRONOUS



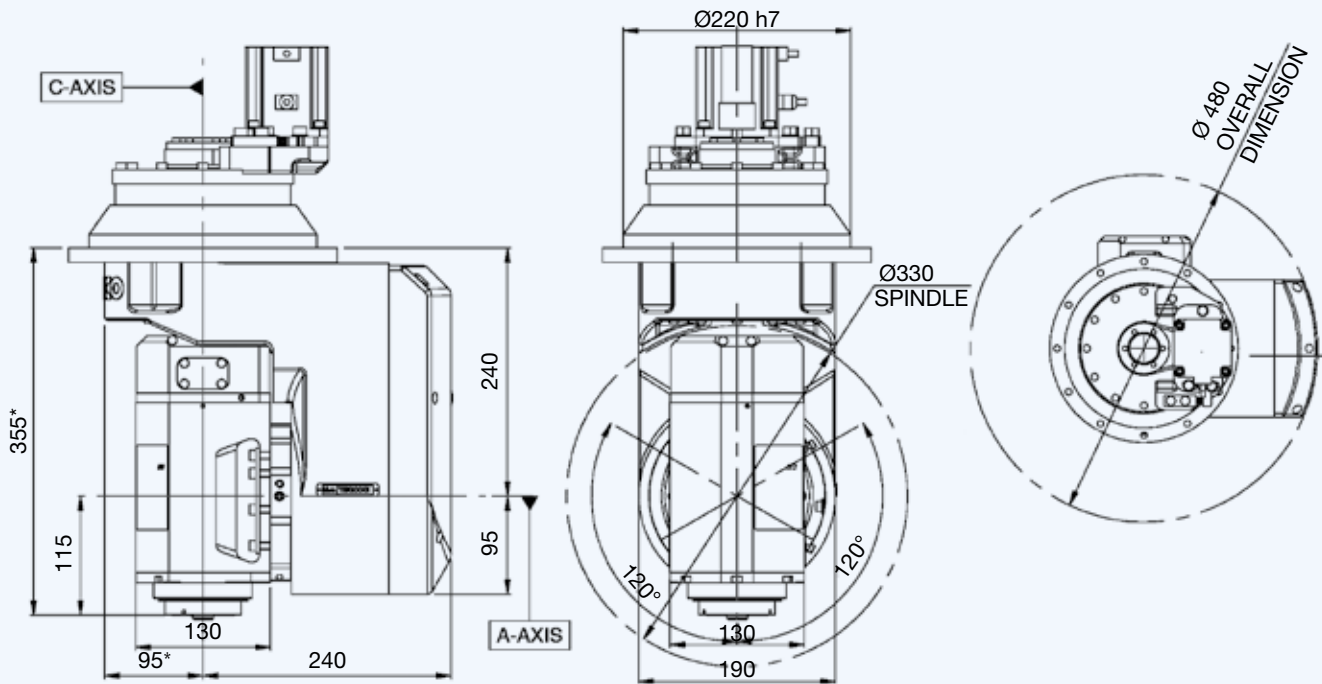
SERIE TILT
TILT J



AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS



*L'opzione encoder comporta un aumento di 25mm rispetto alla quota riportata nello schema
* When the unit is with encoder the quote increases by 25 mm from the one represented in the plan

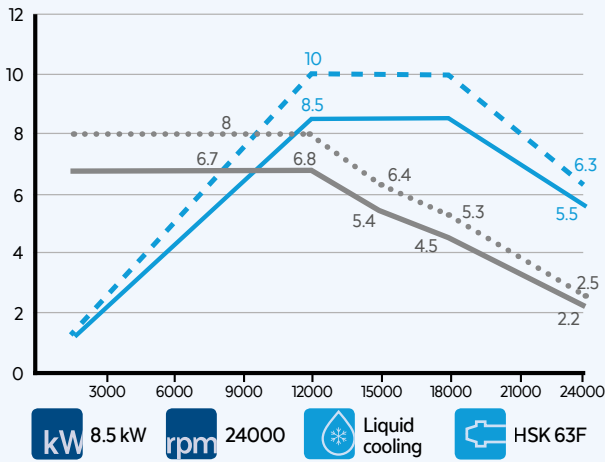
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

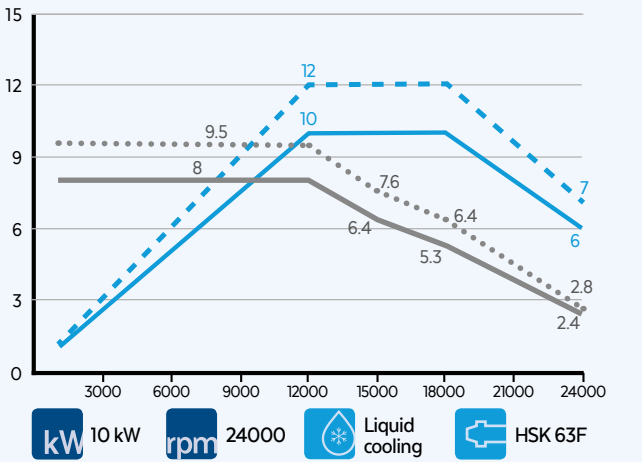
	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,40 kW	0,40 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	380 Nm	380 Nm
Coppia di picco / Peak torque	570 Nm	570 Nm
Max rotazione asse / Max axis rotation	±120°	±320°
Freni meccanici / Mechanical blocking of axes	No	No
Velocità posizionamento max / Max. positioning speed	6.100°/'	6.100°/'
Velocità di lavoro max / Max operating speed	3.700°/'	3.700°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		60 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

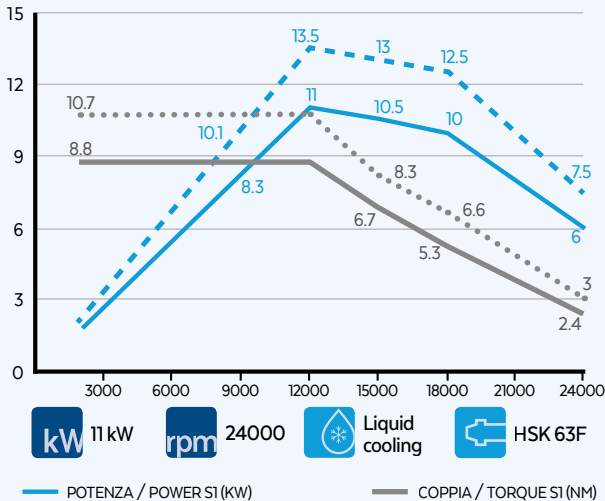
QX-2 8.5/12 24 63F NC



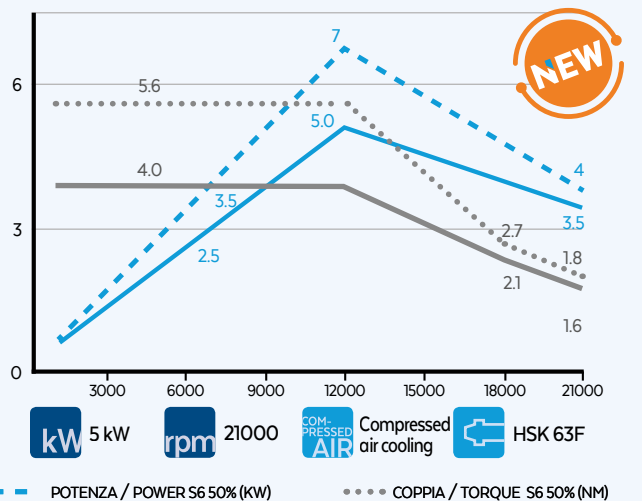
QX-2 10/12 24 63F NC



QX-2 11/12 24 63F NC



QX-1C 5/12 21 63F NC





ADVANCED
MATERIALS
PLASTIC



Technical drawing of the 3-axis machine tool showing three views: side, front, and top.

- Side View:** Shows the overall height of 355, a base width of 240, and a spindle height of 115. The spindle is labeled "C-AXIS".
- Front View:** Shows the spindle diameter of $\text{Ø}330$, the top flange diameter of $\text{Ø}220 \text{ h7}$, and the base diameter of $\text{Ø}480$. The base is labeled "A-AXIS".
- Top View:** Shows the 120° angle and the base diameter of $\text{Ø}480$.

Monitoraggio temperatura cuscinetti
Temperature monitoring of bearings

Misuratore di velocità
Speed monitoring

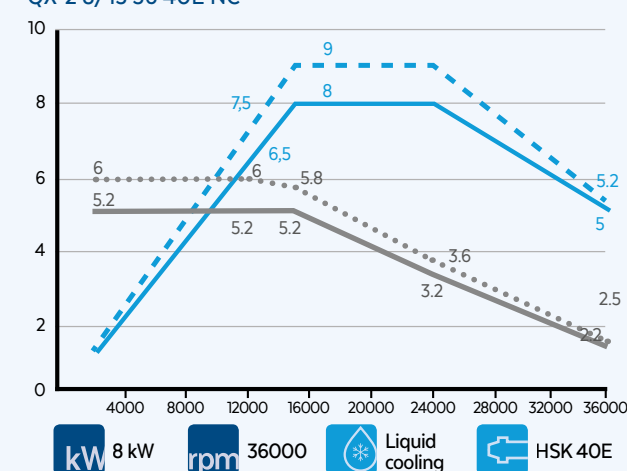
Sensori di vibrazione
Vibration sensor

Encoder

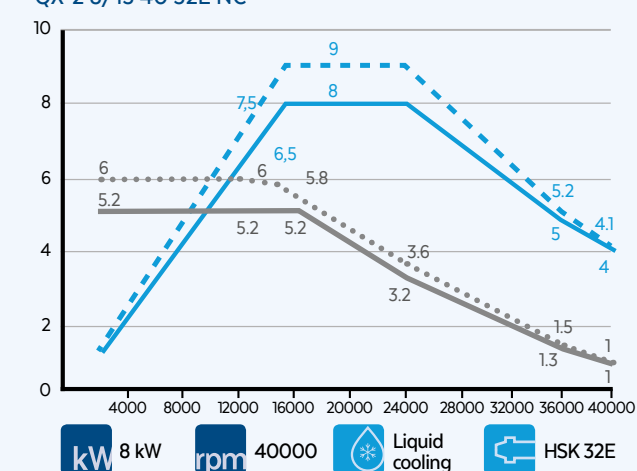
*Other engine brands are available on demand

	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,40 kW	0,40 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	380 Nm	380 Nm
Coppia di picco / Peak torque	570 Nm	570 Nm
Max rotazione asse / Max axis rotation	±120°	±320°
Freni meccanici / Mechanical blocking of axes	No	No
Velocità posizionamento max / Max. positioning speed	6.100°/'	6.100°/'
Velocità di lavoro max / Max operating speed	3.700°/'	3.700°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		60 kg

QX-2 8/15 36 40E NC



QX-2 8/15 40 32E NC



— POTENZA / POWER S1 (KW)

— COPPIA / TORQUE S1 (NM)

■ ■ POTENZA / POWER S6 50% (KW)

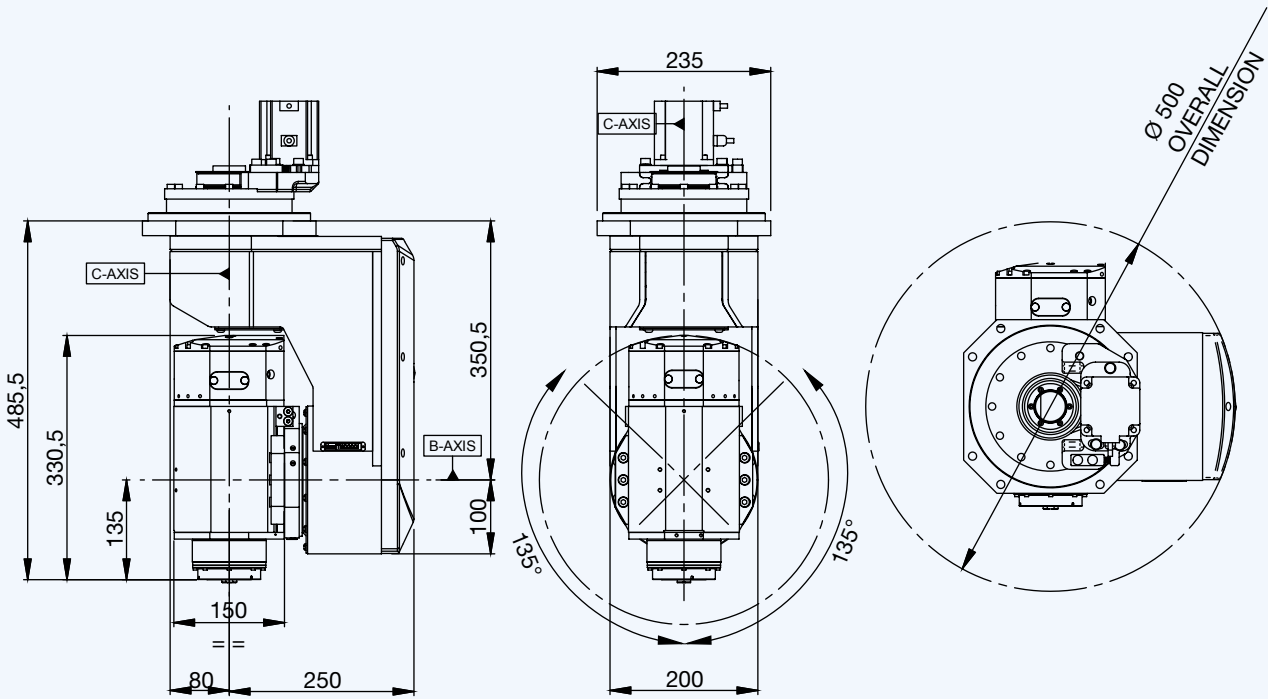
• • • • COPPIA / TORQUE S6 50% (NM)

SERIE TILT
TILT K



AVAILABLE WITH
 iM
Smart sensor

LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Naso lungo
Long nose
- HSK 63E
- HSK 63A
- Monitoraggio temperatura cuscinetti
Temperature monitoring of bearings
- Misuratore di velocità
Speed monitoring
- Sensori di vibrazione
Vibration sensor
- Encoder

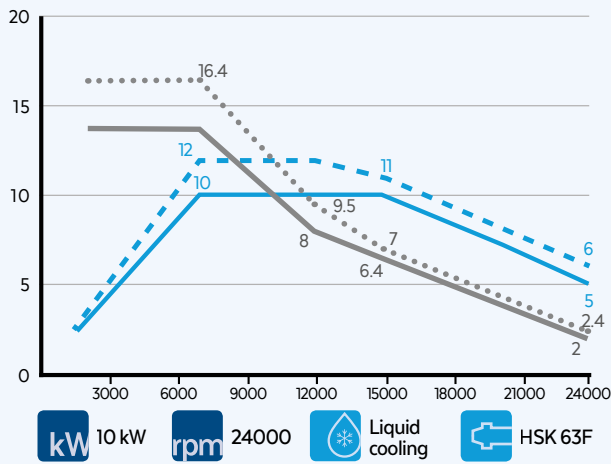
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

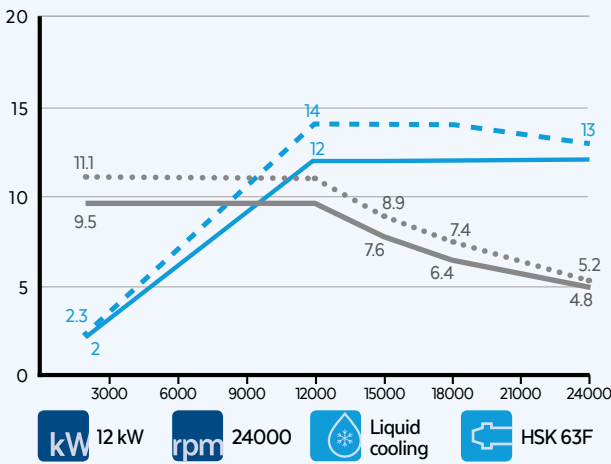
	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,40 kW	0,40 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	380 Nm	380 Nm
Coppia di picco / Peak torque	570 Nm	570 Nm
Max rotazione asse / Max axis rotation	±135°	±320°
Freni meccanici / Mechanical blocking of axes	No	No
Velocità posizionamento max / Max. positioning speed	6.100°/'	6.100°/'
Velocità di lavoro max / Max operating speed	3.700°/'	3.700°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		100 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

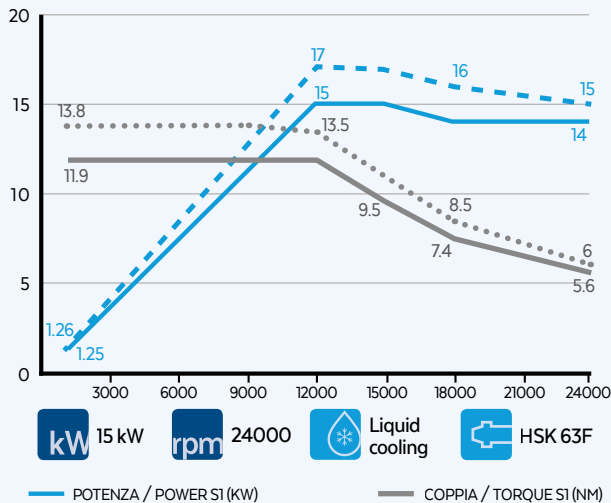
PX-2 10/7 24 63F NC



PX-2 12/12 24 63F NC



PX-2 15/12 24 63F NC



— POTENZA / POWER S1 (kW) — COPPIA / TORQUE S1 (NM) — — POTENZA / POWER S6 50% (kW) COPPIA / TORQUE S6 50% (NM)

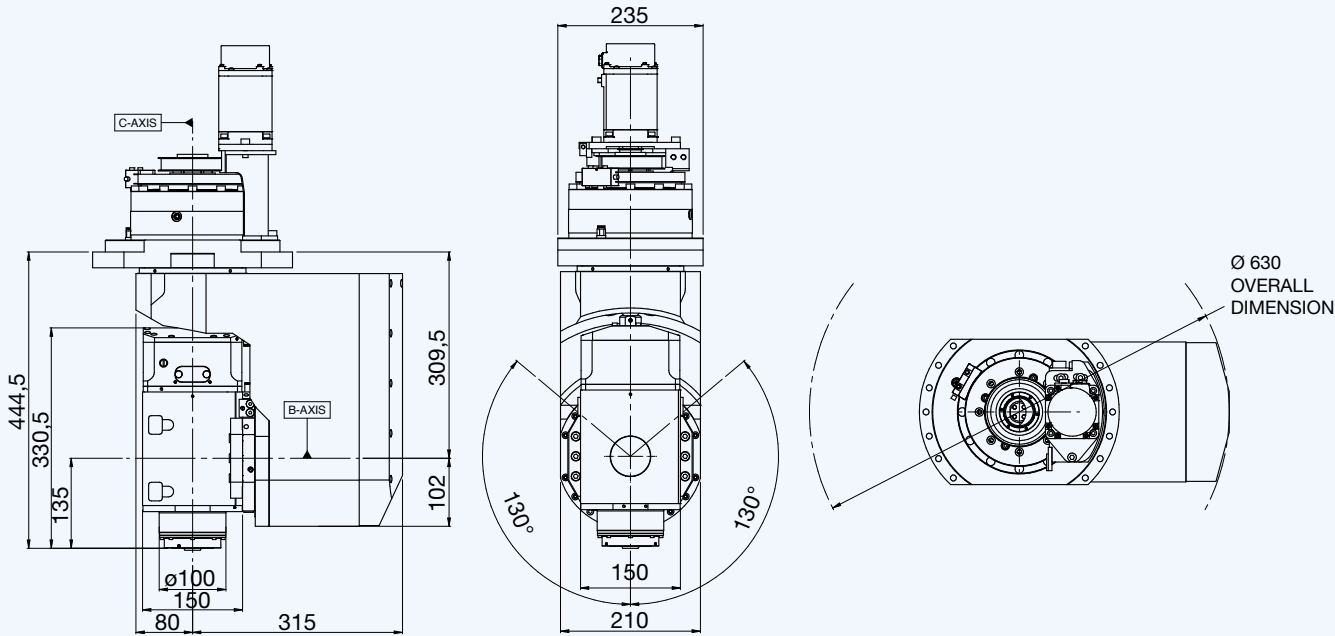
SERIE TILT
TILT K PLUS



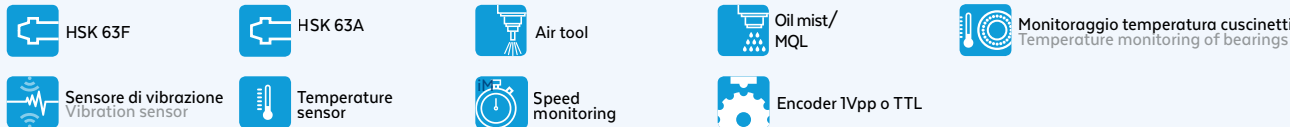
AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS



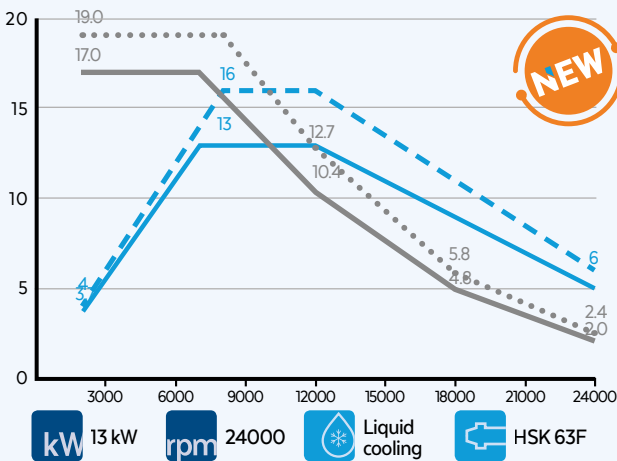
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

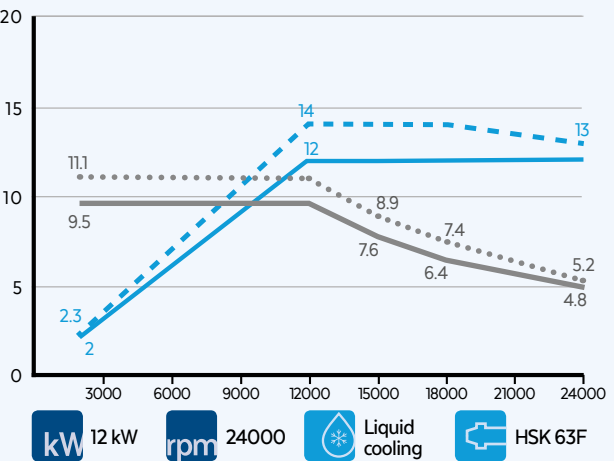
	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor type	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,4 kW	0,65 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Sumitomo	Sumitomo
Coppia max continua / Max. continuous torque	350 Nm	503 Nm
Coppia di picco / Peak torque	1030 Nm	1030 Nm
Max rotazione asse / Max. axis rotation	±130°	±320°
Velocità posizionamento max / Max. positioning speed	6.700°/'	7.500°/'
Freni meccanici / Mechanical blocking of axes	No	No
Precisione / Accuracy	±30 arsec	±30 arsec
Repetibilità / Repeatability	±10 arsec	±10 arsec
Utenze / External air connection		n2
Peso / Weight		100 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

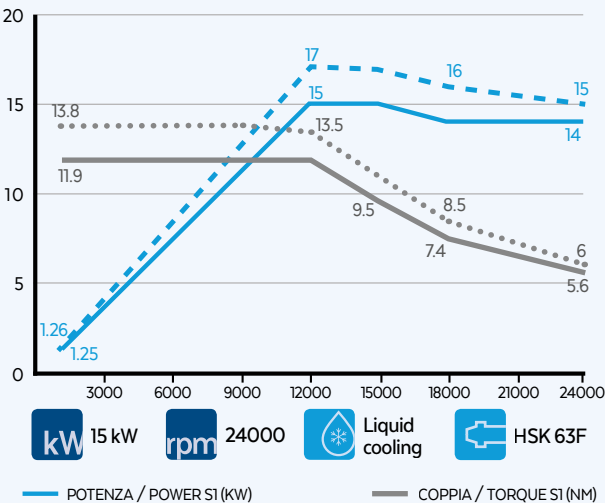
HX-2 13/7 24 63F NC



HX-2 12/12 24 63F NC



HX-2 15/12 24 63F NC



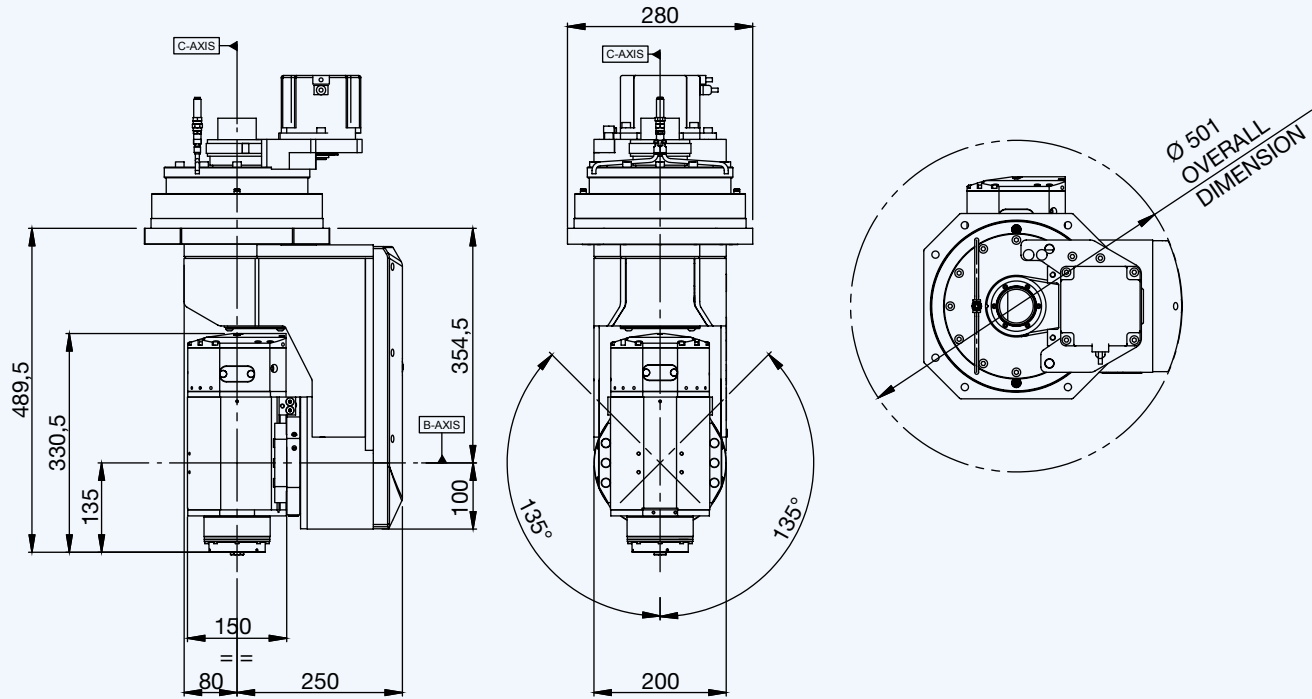
--- POTENZA / POWER S6 50% (kW) COPPIA / TORQUE S6 50% (NM)

SERIE TILT
TILT H



AVAILABLE WITH
iM
Smart
sensor

LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS



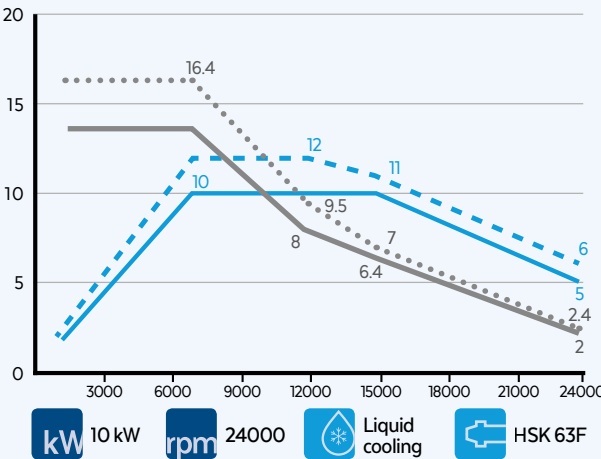
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

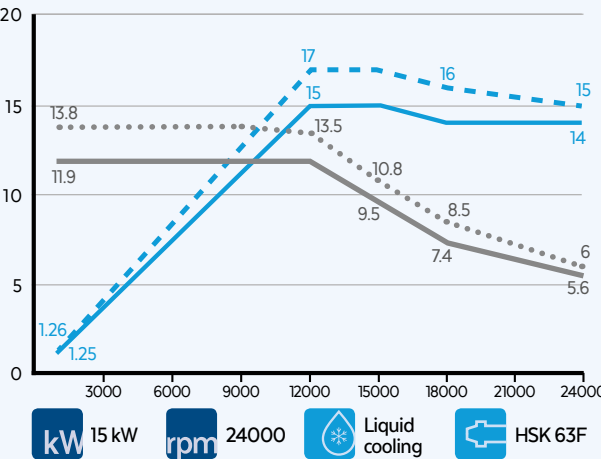
	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,40 kW	0,75 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Harmonic Drive	Harmonic Drive
Coppia max continua / Max. continuous torque	380 Nm	460 Nm
Coppia di picco / Peak torque	570 Nm	980 Nm
Max rotazione asse / Max axis rotation	±135°	±320°
Freni meccanici / Mechanical blocking of axes	Si Yes	Si Yes
Velocità posizionamento max / Max. positioning speed	6.100°/'	9.300°/'
Velocità di lavoro max / Max operating speed	3.700°/'	5.600°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		120 kg

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

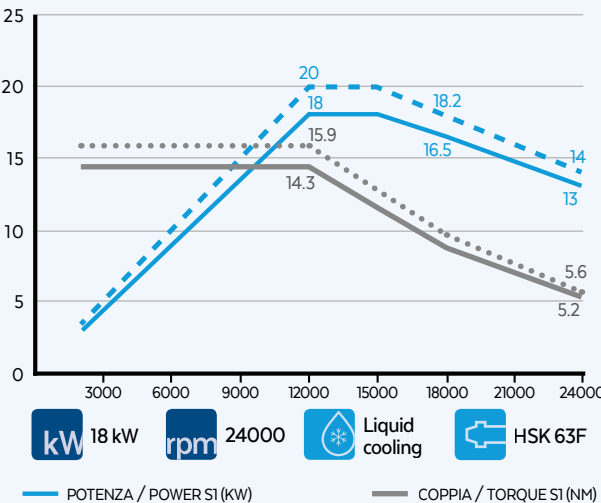
PX-2 10/7 24 63F NC



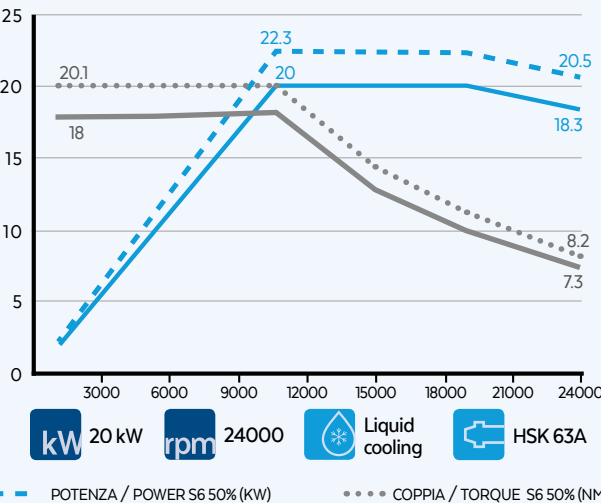
PX-2 15/12 24 63F NC



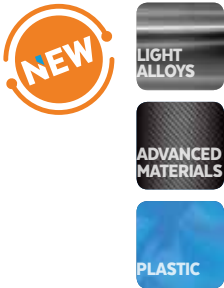
PX-2 18/12 24 63F NC



PX-2 20/10 24 63A NC ES SYNCHRONOUS



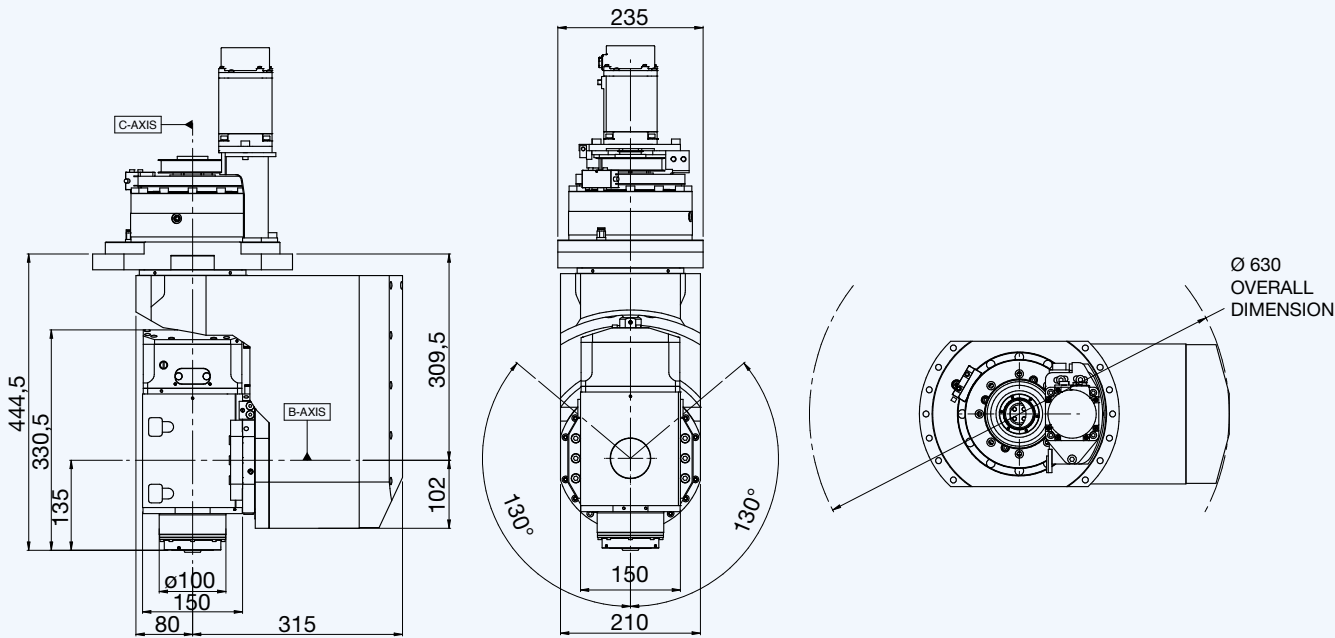
SERIE TILT
TILT H PLUS



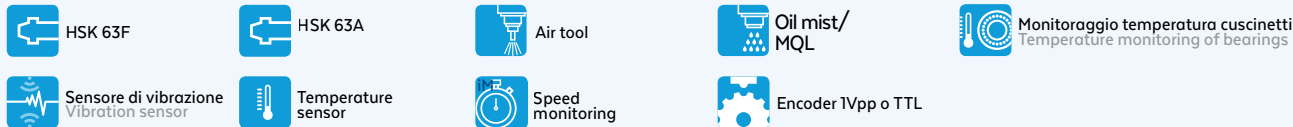
AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS



SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

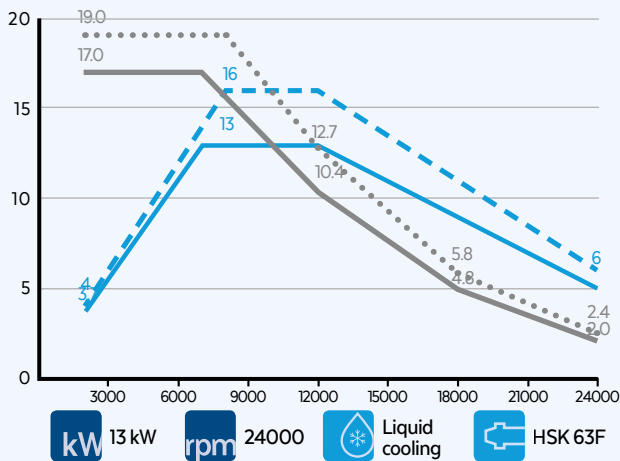
*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor type	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,4 kW	0,65 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Sumitomo	Sumitomo
Coppia max continua / Max continuous torque	350 Nm	503 Nm
Coppia di picco / Peak torque	1030 Nm	1030 Nm
Max rotazione asse / Max. axis rotation	±130°	±320°
Velocità posizionamento max / Max. positioning speed	6.700°/'	7.500°/'
Freni meccanici / Holding brake	Si Yes	Si Yes
Encoder assi / Axis encoder	Si Yes	Si Yes
Precisione / Accuracy	±30 arsec (±5 arsec)*	±30 arsec (±5 arsec)*
Ripetibilità / Repeatability	±10 arsec (±5 arsec)*	±10 arsec (±5 arsec)*
Utenze / External air connection		n2
Peso / Weight		100 kg

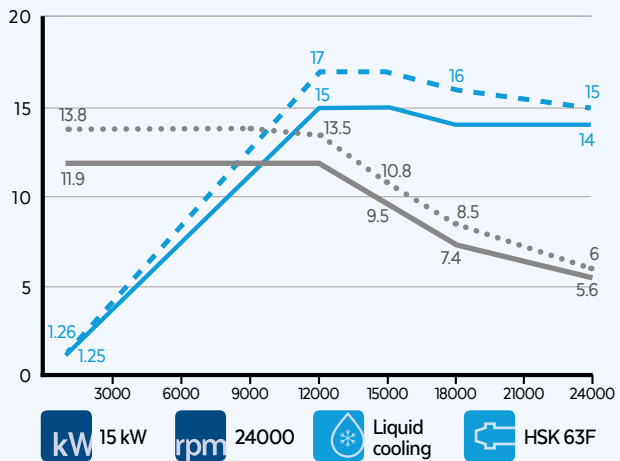
*Con encoder assi / With encoder axis

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

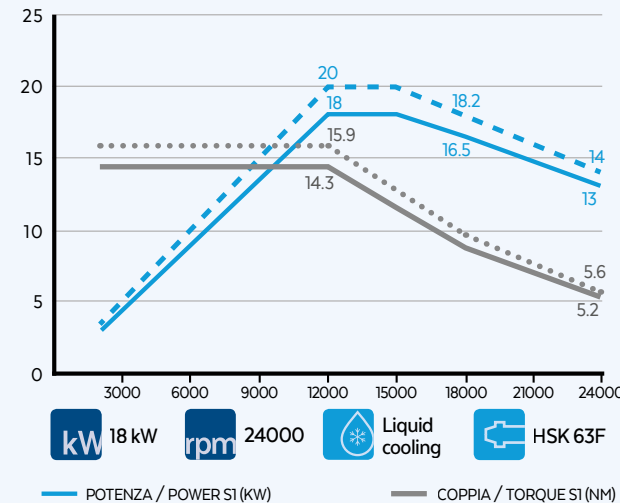
HX-2 13/7 24 63F NC



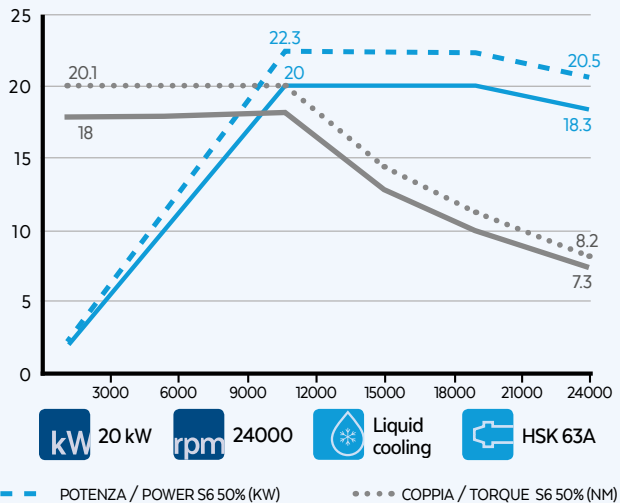
HX-2 15/12 24 63F NC



HX-2 18/12 24 63F NC



HX-2 20/10 24 63A NC ES SYNCHRONOUS



SERIE TILT
TILT V

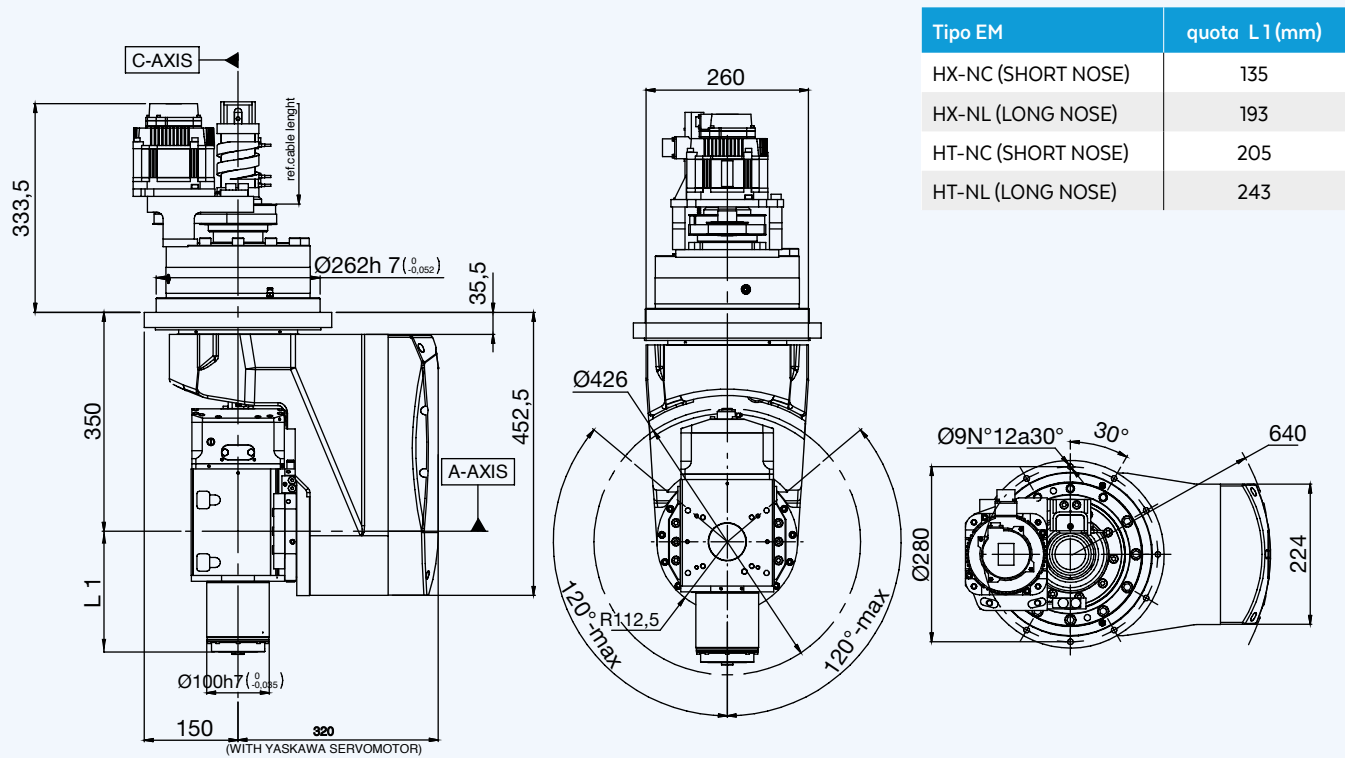


- LIGHT ALLOYS
- ADVANCED MATERIALS
- PLASTIC
- WOOD

AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Naso corto / Short nose
- HSK 63E
- HSK 63A
- Oil mist / MQL
- Monitoraggio temperatura cuscinetti / Temperature monitoring of bearings
- Misuratore di velocità / Speed monitoring
- Sensori di vibrazione / Vibration sensor
- Air tool

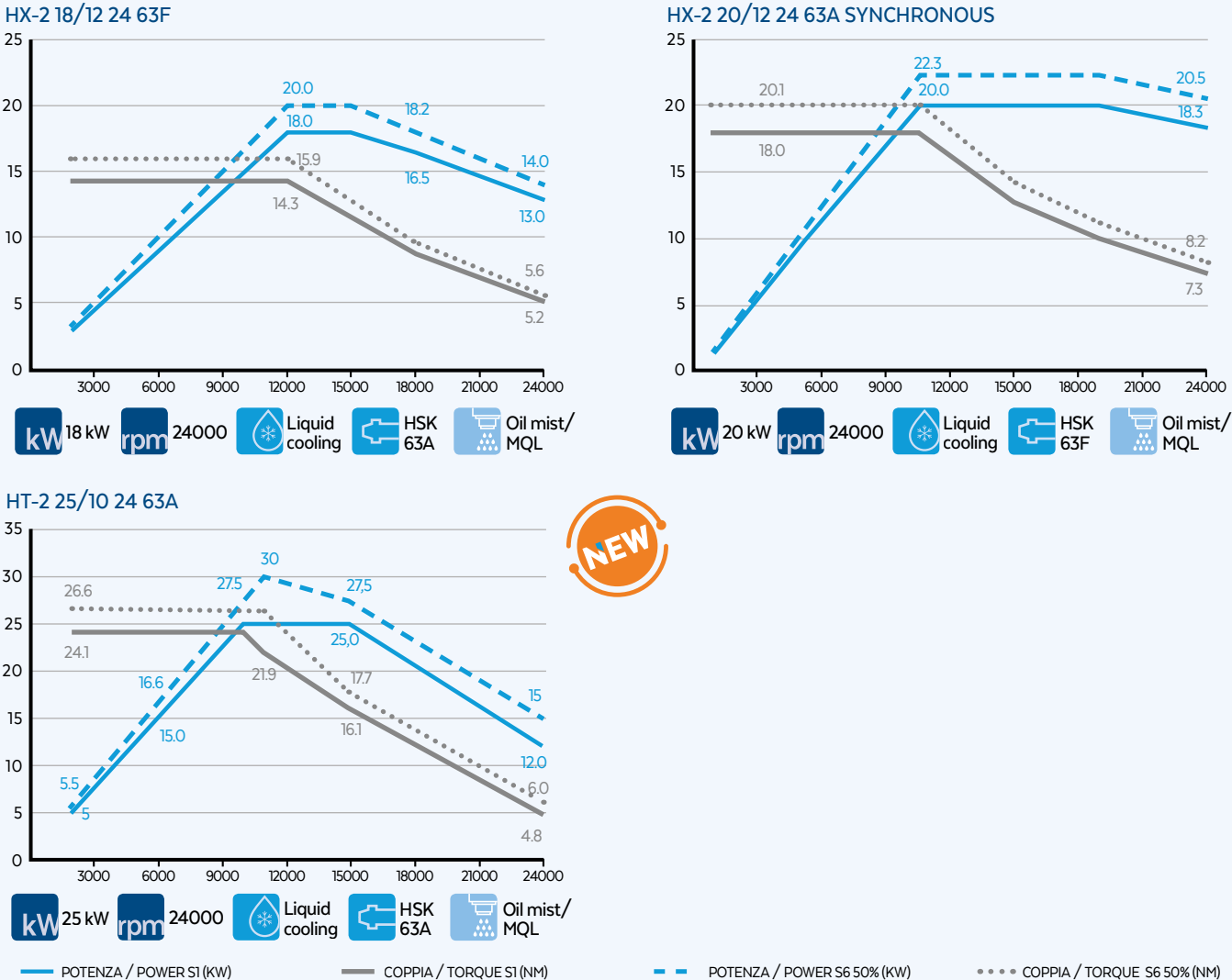
SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,75 kW	0,85 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Sumitomo	Sumitomo
Coppia max continua / Max. continuous torque	425 Nm	635 Nm
Coppia di picco / Peak torque	1030 Nm	1962 Nm
Max rotazione asse / Max axis rotation	±120°	±320°
Velocità posizionamento max / Max. positioning speed	10.000°/'	12.500°/'
Freni meccanici / Mechanical blocking of axes	Si Yes	Si Yes
Encoder assi / Axis encoder optional	Si Yes (OPT)	Si Yes (OPT)
Precisione / Accuracy	±30 arcsec (±5 arcsec)*	±30 arcsec (±5 arcsec)*
Ripetibilità / Repeatability	±10 arcsec (±5 arcsec)*	±10 arcsec (±5 arcsec)*
Utenze / External air connections		n2
Peso / Weight		150 kg

*Con encoder assi / With encoder axis

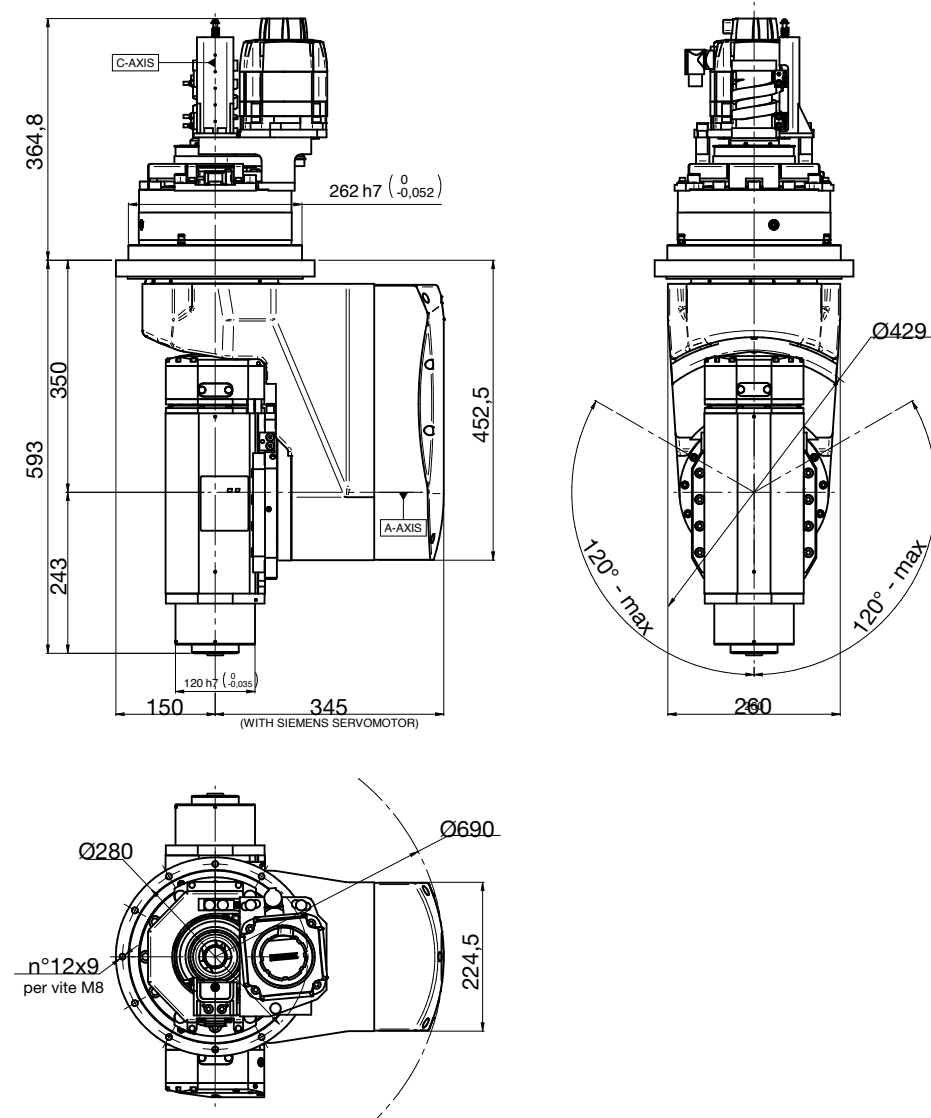
ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES



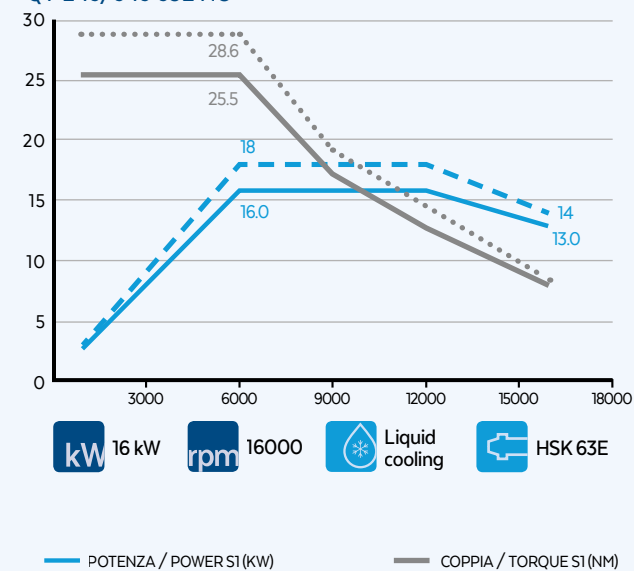
*Il mandrino HT comporta un aumento di 50mm rispetto alla quota riportata nello schema
* When the unit is with HT spindle the quote increases by 50 mm from the one represented in the plan

SERIE TILT

TILT V QT

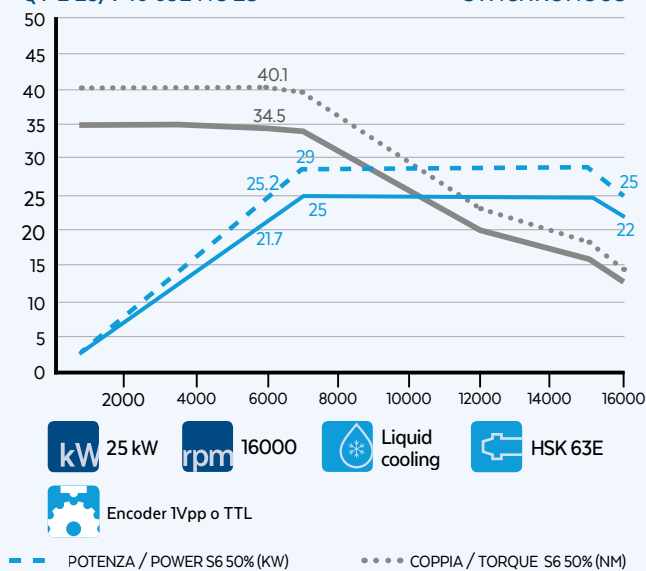


QT-2 16/6 16 63E NC



QT-2 25/7 16 63E NC ES

SYNCHRONOUS

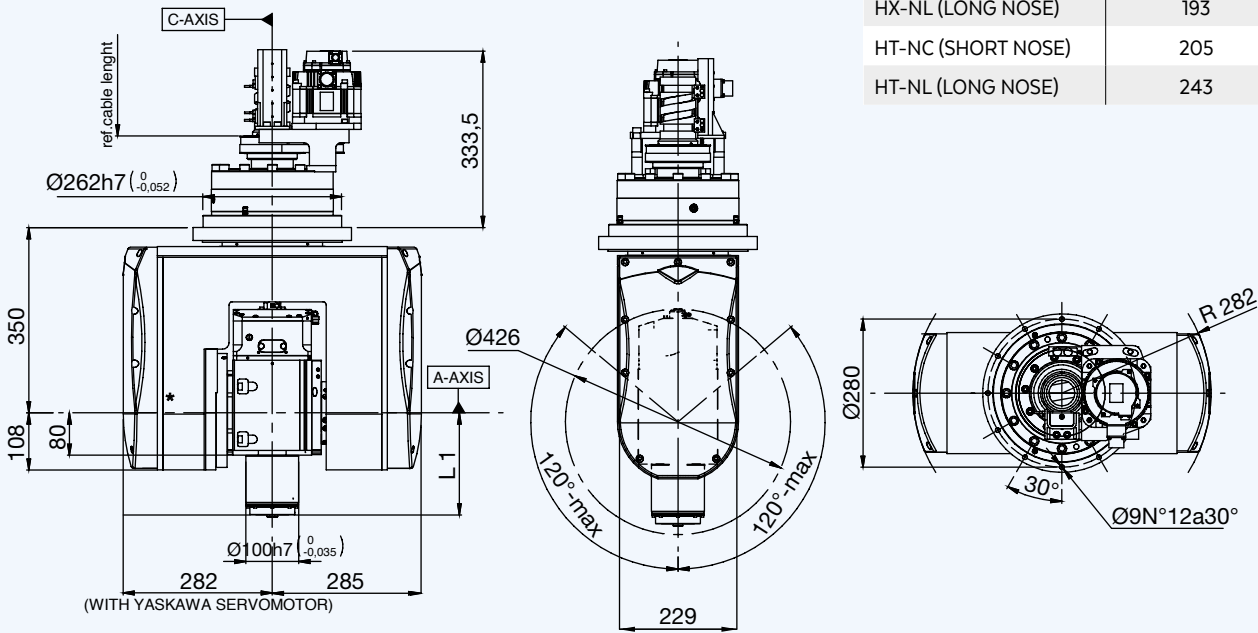


SERIE TILT
TILT W



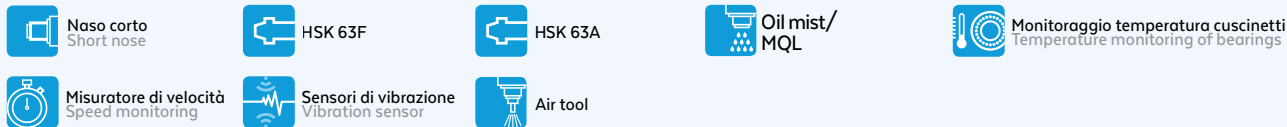
AVAILABLE WITH
iM
Smart sensor

LAYOUT



Tipo EM	quota L1 (mm)
HX-NC (SHORT NOSE)	135
HX-NL (LONG NOSE)	193
HT-NC (SHORT NOSE)	205
HT-NL (LONG NOSE)	243

OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS



*Il mandrino HT comporta un aumento di 50mm rispetto alla quota riportata nello schema
* When the unit is with HT spindle the quote increases by 50 mm from the one represented in the plan

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

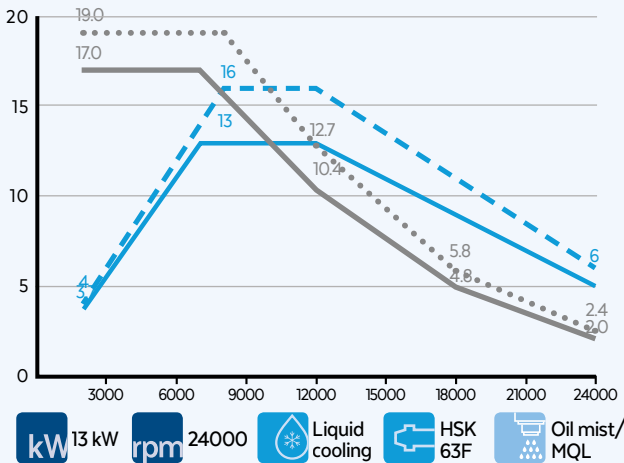
*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,75 kW	0,85 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Sumitomo	Sumitomo
Coppia max continua / Max. continuous torque	425 Nm	635 Nm
Coppia di picco / Peak torque	1030 Nm	1962 Nm
Max rotazione asse / Max axis rotation	±120°	±320°
Velocità posizionamento max / Max. positioning speed	10.000°/'	12.500°/'
Freni meccanici / Mechanical blocking of axes	Si Yes	Si Yes
Encoder assi / Axis encoder optional	Si Yes (OPT)	Si Yes (OPT)
Precisione / Accuracy	±30 arcsec (±5 arcsec)*	±30 arcsec (±5 arcsec)*
Ripetibilità / Repeatability	±10 arcsec (±5 arcsec)*	±10 arcsec (±5 arcsec)*
Utenze / External air connections		n2
Peso / Weight		210 kg

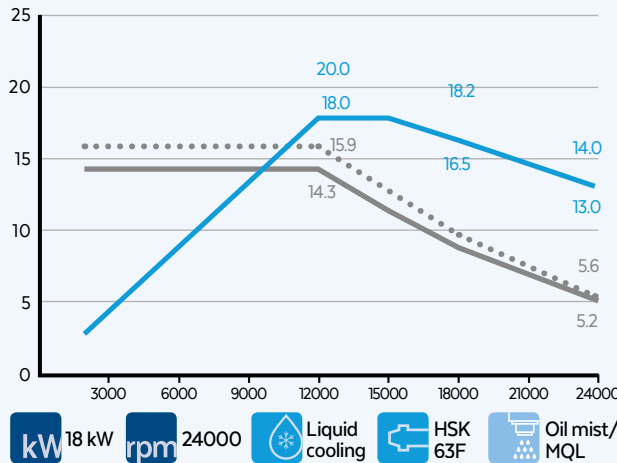
*Con encoder assi / With encoder axis

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

HX-2 13/7 24 63F

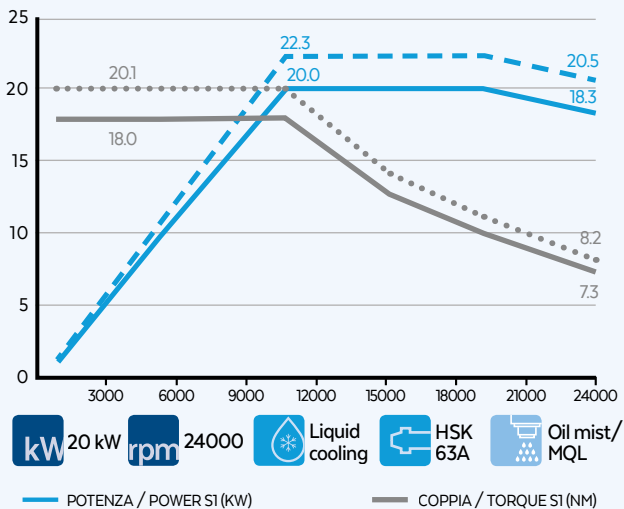


HX-2 18/12 24 63F

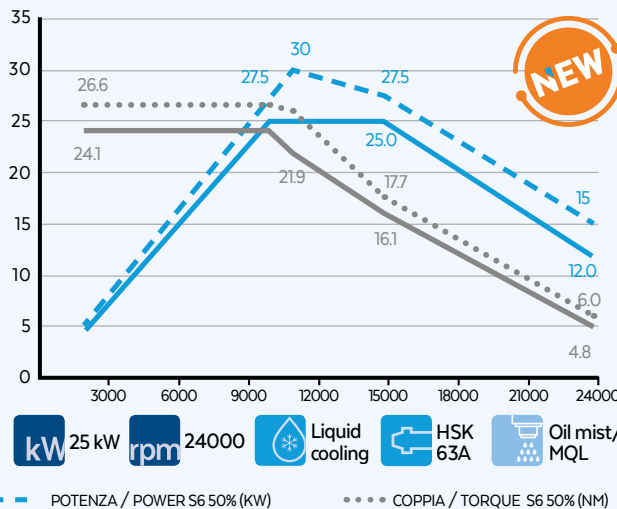


HX-2 20/12 24 63A

SYNCHRONOUS



HT-2 25/10 24 63A



SERIE TILT
TILT TLP

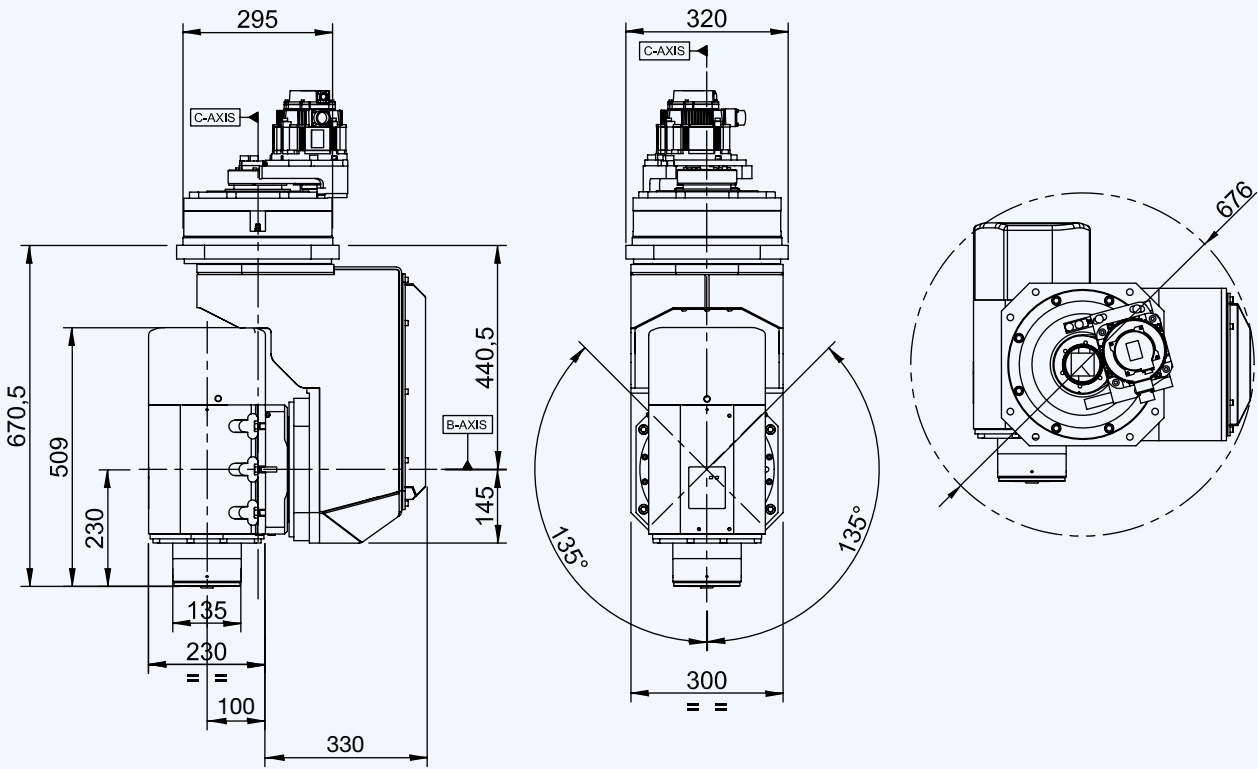


- LIGHT ALLOYS
- ADVANCED MATERIALS
- PLASTIC
- WOOD

AVAILABLE WITH



LAYOUT



OPTIONALS DELL'ELETTROMANDRINO / ELECTROSPINDLE OPTIONS

- Oil mist/MQL
- Monitoraggio temperatura cuscinetti
Temperature monitoring of bearings
- Misuratore di velocità
Speed monitoring
- Sensori di vibrazione
Vibration sensor
- Air tool
- Encoder
(standard with hsk 63A)

SPECIFICHE TECNICHE / TECHNICAL SPECIFICATIONS

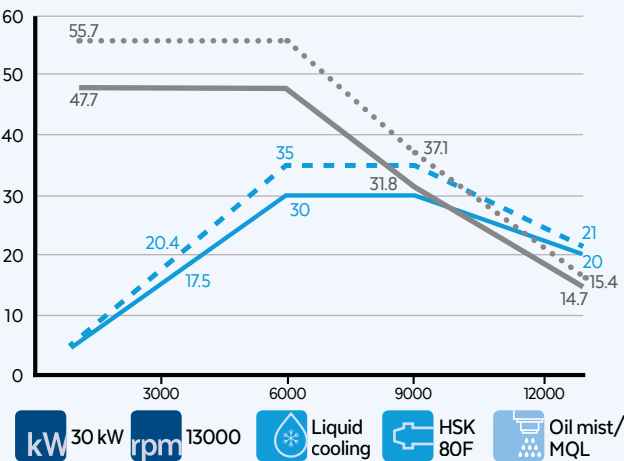
*Sono disponibili altre marche di motorizzazioni a richiesta
*Other engine brands are available on demand

	ASSE A / A AXIS	ASSE C / C AXIS
Servomotore / Servomotor	Yaskawa*	Yaskawa*
Potenza servomotore / Servomotor power	0,75 kW	0,85 kW
Encoder servomotore / Servomotor encoder	Assoluto Absolute 20 Bit	Assoluto Absolute 20 Bit
Riduttore / Gearbox	Sumitomo	Sumitomo
Coppia max continua / Max. continuous torque	800 Nm	636 Nm
Coppia di picco / Peak torque	1962 Nm	3188 Nm
Max rotazione asse / Max axis rotation	±135°	±320°
Velocità posizionamento max / Max. positioning speed	10.000°/'	11.000°/'
Freni meccanici / Mechanical blocking of axes	Si Yes	Si Yes
Encoder assi / Axis encoder optional	Si Yes (OPT)	Si Yes (OPT)
Precisione / Accuracy	±30 arcsec (±5 arcsec)*	±30 arcsec (±5 arcsec)*
Ripetibilità / Repeatability	±10 arcsec (±5 arcsec)*	±10 arcsec (±5 arcsec)*
Velocità di lavoro max / Max operating speed	3.700°/'	5.600°/'
Precisione di posizionamento assi / Axis positioning accuracy	1 arcmin	1 arcmin
Peso / Weight		250 kg

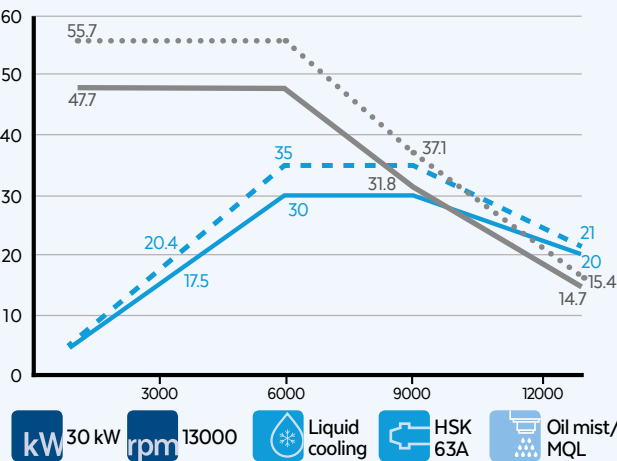
*Con encoder assi / With encoder axis

ELETTROMANDRINI DISPONIBILI / AVAILABLE ELECTROSPINDLES

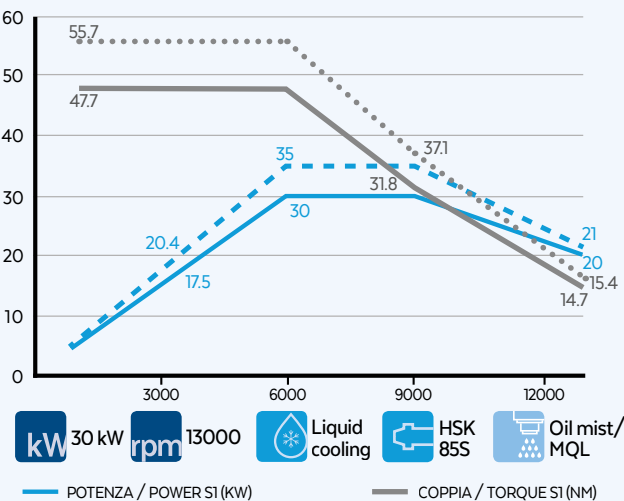
QM-2 30/6 13 80F NC



QM-2 30/6 13 63A NC ES



QM-2 30/6 13 85S NC



--- POTENZA / POWER S6 50% (KW) COPPIA / TORQUE S6 50% (NM)





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