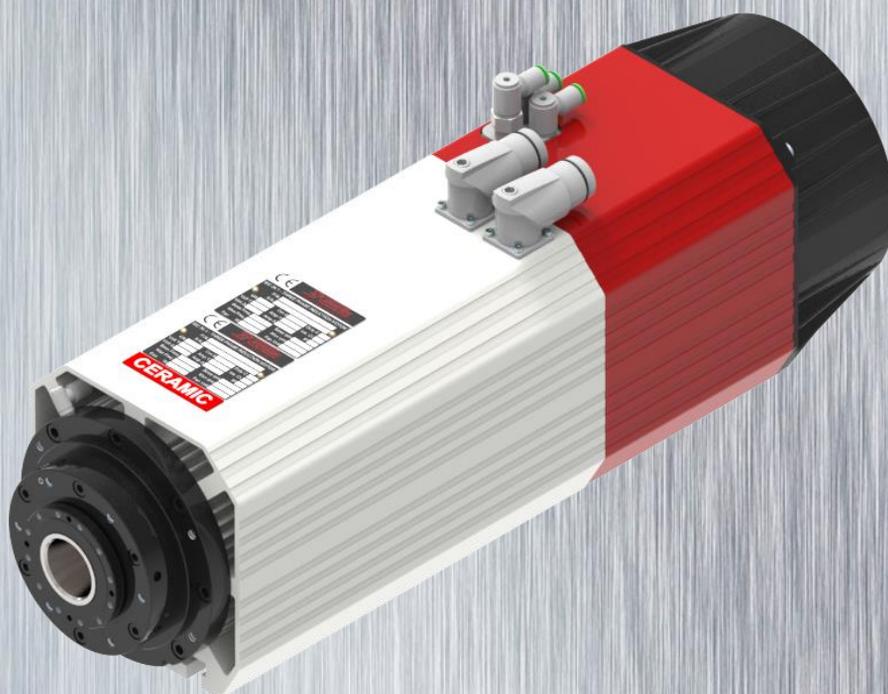


# TEK **NOMOTOR**

## AUTOMATIC TOOL CHANGER ATC 71 CATALOGUE

RELEASE 1.0



High **performance**

[www.teknomotor.com](http://www.teknomotor.com)

[Next page - Avanti](#)





#### BY CAR – IN MACCHINA – MIT DEM AUTO

From motorway – Dalla autostrada – Aus dem Autobahn:  
**A27 (Venezia-Belluno)**  
Exit – Uscita – Ausgang  
Treviso Nord

#### BY TRAIN – IN TRENO – MIT DEM ZUG

Nearest station – Stazione più vicina – Bahnhof  
Feltre

#### BY PLANE – IN AEREO – MIT FLUGZEUG

Venezia (Marco Polo)

#### TEKNOMOTOR s.r.l.

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Partita IVA 00929130250

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## L'AZIENDA

Fondata nel 1983 la società Teknomotor s.r.l. progetta e produce da oltre 30 anni motori elettrici ed elettromandri per applicazioni meccaniche. Azienda in costante espansione, Teknomotor s.r.l. è attualmente impegnata sul mercato mondiale come fornitore di importanti aziende costruttrici i macchine per la lavorazione del legno, PVC e alluminio.

All'unità produttiva principale di Quero (BL) è stata recentemente affiancata un'ulteriore sede dedicata esclusivamente all'assemblaggio e collaudo finale dei motori. Tutte le fasi della produzione si avvalgono delle più avanzate tecnologie in materia di sistemi di disegno CAD, macchine utensili a controllo numerico e banchi prova computerizzati. Le lavorazioni meccaniche sono effettuate all'interno, in modo da garantire un costante controllo del processo produttivo unito ad un elevato grado di flessibilità che ci permette di soddisfare commesse di grande e piccola serie.

A ciò si aggiunge un'attenta scelta dei fornitori esterni, nostri partner commerciali, al fine di garantire un prodotto esente da difetti e di qualità superiore.

Fin dalla nascita Teknomotor s.r.l. si è distinta per la cortesia nei confronti della propria clientela e per la disponibilità nello sviluppare nuove soluzioni in stretta collaborazione con il committente.

## COMPANY

Founded in 1983 Teknomotor s.r.l. has for over 30 years designed and developed electric motors and electrospindles for mechanical applications. As a constant growing Company, Teknomotor s.r.l. is currently engaged on worldwide market as supplier of important Companies specialized in the construction of machinery for the working of wood, PVC and aluminum. The established headquarters in Quero (BL) Italy, was recently enlarged with a new building dedicated exclusively to the assembly and final test of the motors. All the production phases use, at every stage, advanced technologies to ensure maximum quality, such as the CAD design software, machine tool with numeric control and computerized trials. The mechanical operations are carried out internally, in order to guarantee a constant control of the productive process and a high level of flexibility, which allows both large and small commissions to be fulfilled.

A careful selection of external suppliers, commercial partners, is made in order to guarantee an high quality product without defects.

From its birth Teknomotor s.r.l. has distinguished it self for the courtesy it shows its clients and for the commitment it has to develop new solutions in close collaboration with the buyer.

## FIRMA

Die Firma Teknomotor s.r.l. wurde im Jahr 1983 gegründet. Seit mehr als 30 Jahren plant und produziert sie elektrische Motoren und Spindeln für mechanische Anwendungen. Teknomotor s.r.l. hat eine ständige Expansion bekannt und sie ist im Moment mit dem Weltmarkt beschäftigt. Sie versorgt mit ihren Motoren, wichtige und bekannte Firmen, die Holz-, PVC- und Aluminiummaschinen bauen. Der Hauptsitz in Quero (BL) war vor kurzem erweitert. In dem neuen Gebäude wird die Montage und die Prüfung gemacht. Vorgeschrittene Technologie wird benutzt, um die Qualität immer zu verbessern, wie z.B. CAD Plansysteme, numerische Kontrolle- Maschinen und computerisierte Prüfstände. Vorgeschrittene Technologie wird benutzt, um die Qualität immer zu verbessern, wie z.B. CAD Plansysteme, numerische Kontrolle- Maschinen und computerisierte Prüfstände. Die ganzen mechanischen Bearbeitungen sind in der Firma realisiert, so eine ständige Kontrolle der Produktion und hohe Flexibilität sind garantiert. Sowohl die kleinen Bestellungen als auch die größere können ohne Probleme erfüllt werden.

Es wird außerdem eine aufmerksame Wahl der Lieferanten, um ein Produkt ohne Defekte und von höherer Qualität zu garantieren. Von Geburt hat Teknomotor s.r.l. für ihre Höflichkeit und ihre Verfügung sich unterschieden, so sie, sehr schnell, immer neue Lösungen in Zusammenarbeit mit den Kunden vorschlagen und entwickeln kann.

# AUTOMATIC TOOL CHANGERS GENERAL FEATURES

## GENERAL INFORMATION

The Automatic Tool Changer electrospindle (ATC) have been designed to develop high speeds and powers with limited overall dimensions.

The standard models operate between 3000 rpm and 24000 rpm. The powers go from 3.8 to 12.0 kW.

These features make them ideal for use on automatic machines for machining wood, aluminum alloys and plastics.

ATCs are used mainly on CNC routers, machines for drilling, and for automation in general (Electrospindle mounted directly on anthropomorphic robot).

ATCs are cooled by an industrial electric fan 230V AC 50-60 Hz. On customer's request they can be cooled by compressed air using a special kit.

ATCs are pneumatically sealed and thus protected against the entry of any type of contaminants.

The stiffness of mechanical components, the speed of tool changing and the goodness of electrical components are key features of the ATC, which is produced by Teknomotor as a best in class product, for the most demanding costumers.

## INFORMAZIONI GENERALI

Gli elettromandri con cambio utensile automatico (ATC - Automatic tool changers) sono stati progettati per sviluppare elevate velocità e potenze unite ad un ingombro limitato.

I modelli standard operano tra 3000 rpm e 24000 rpm. Le potenze disponibili variano tra 3.8 kW e 12.0 kW.

Queste caratteristiche li rendono ideali per l'impiego su macchine per la lavorazione del legno, delle leghe di alluminio e delle materie plastiche.

Gli ATC vengono impiegati prevalentemente nel settore delle macchine CNC routers, delle foratrici, dell'automazione in generale (Elettromandrino montato direttamente su robot antropomorfo).

Per le loro caratteristiche costruttive gli elettromandri sopportano un carico di tipo assiale, radiale o misto.

Gli ATC sono raffreddati per mezzo di un'elettroventola 230V-AC 50-60Hz di tipo industriale. Su richiesta possono essere raffreddati da aria compressa tramite un apposito kit.

Gli ATC sono pressurizzati e quindi protetti contro l'ingresso di qualsiasi tipo di contaminanti.

La rigidità dei suoi componenti, la velocità di cambio utensile e la qualità dei componenti elettrici sono caratteristiche peculiari di questo elettromandrino, che Teknomotor realizza come prodotto di prima scelta, per i clienti più esigenti.

## ALLGEMEINE INFORMATIONEN

Die Elektrospindeln mit automatischem Werkzeugwechsel (genannt ATC = Automatic Tool Changers) wurden ausgelegt, um bei einem beschränkten Raumbedarf hohe Geschwindigkeiten bzw. Leistungen zu erreichen.

Die Standardmodelle sind zwischen 3000 und 24000 U/min tätig. Die verfügbaren Leistungen variieren zwischen 3.8 kW und 12.0 kW).

Dafür sind sie für den Einsatz an Maschinen für die Holz- bzw. Aluminiumlegierungs- und Kunststoffbearbeitung geeignet.

Die ATC kommen vorwiegend im Bereich CNC Routers, Bohrmaschinen und in der Automation im Allgemeinen (Elektrospindel direkt auf dem anthropomorphen Roboter installiert) zum Einsatz.

Dank ihrer Bauweise können die Elektrospindel einer radialen, axialen und miteinander kombinierten Belastung standhalten.

Die ATC werden mittels eines Elektroventils von 230V AC 50-60 Hz (industrieller Typ) gekühlt. Auf Anforderung können von einem Spezialset abgekühlt werden.

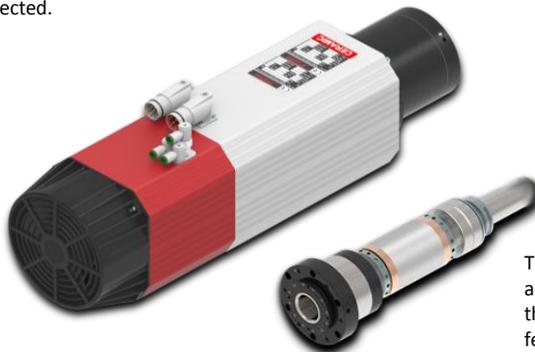
Da die ATC mit Luftdruck beaufschlagt werden, werden sie gegen den Eintritt von kontaminierenden Substanzen geschützt.

Die Steifigkeit ihrer Bauelemente, die Geschwindigkeit des Werkzeugwechsels und die Qualität der elektrischen Komponenten gehören zu den typischen Eigenschaften dieser Elektrospindel, die Teknomotor als Produkt erster Wahl für anspruchsvolle Kunden realisiert.



The electric fan ensures a constant cooling at every speed. All items are supplied with serial number and part number which refers to the mechanical and electrical test.

The compact design of the frame permits the ATC71 to be mounted in small spaces. All connectors are well ordered. The signal connector is separated from the power connector to prevent electromagnetic noise. All the sensors connectors are shielded and IP54 protected.



The smart design allows to replace the cartridge in a few steps.



The frame is robust and compact; it is designed to be stiff and light. The nose is pneumatically sealed against dust. The ceramic bearings assure high speeds, up to 24000 rpm.



TECHNICAL FEATURES TABLE	STATOR		ROTOR		SHAPE	COOLING	PROTECTION GRADE
	TYPE	INSULATION	TYPE	BALANCING GRADE			
<b>Automatic tool changers (ATC71)</b>	Asynchronous, 3 phases	F class	Squirrel cage	2.5 (ISO 1940)	Closed, from extruded aluminum profile	Electric fan cooling	<b>IP 54</b>

The electrospindles conform to the EMC EEC 89/336 directive, and to the EEC 89/392 machines directive. Moreover, the electrospindle cannot be put into service before the machine into which it is incorporated is declared to be in line with the second mentioned directive.

Gli elettromandri sono conformi alla direttiva EMC CEE 89/336 e alla direttiva macchine CEE 89/392 assumendo per quest'ultima che l'elettromandrino non può essere messo in servizio prima che la macchina, in cui sarà incorporato, sia stata dichiarata conforme alle disposizioni.

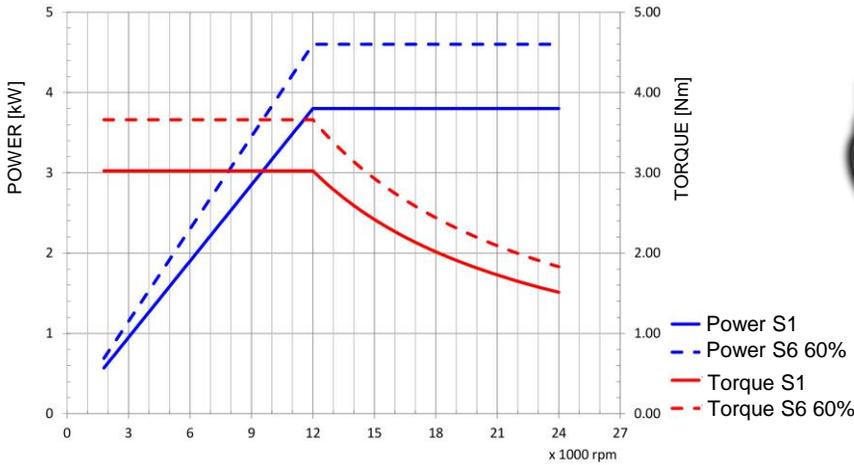
Die Elektrospindel entsprechen der EMV-Richtlinie EWG 89/336 und der Maschinenrichtlinie EWG 89/392. Diese letzte Norm setzt voraus, dass der Motor erst dann in Betrieb gesetzt werden darf, wenn die Maschine, in die er eingebaut wird, die dafür vorgesehenen Richtlinien erfüllt.

ATC71 ELECTROSPINDLES						
Power Nose	3.8/4.6 kW 380V 2 poles	5.0/6.0 kW 380V 4 poles	5.5/6.6 kW 380V 2 poles	7.5/9.0 kW 380V 4 poles	7.5/9.0 kW 380V 2 poles	10.0/12.0 kW 380V 4 poles
ISO30-SN	COMTC710001 <a href="#">Pag. 6</a>	COMTC710020 <a href="#">Pag. 7</a>	COMTC710004 <a href="#">Pag. 10</a>	COMTC710022 <a href="#">Pag. 11</a>	COMTC710003 <a href="#">Pag. 18</a>	COMTC710024 <a href="#">Pag. 19</a>
ISO30-LN	COMTC710007 <a href="#">Pag. 8</a>	COMTC710021 <a href="#">Pag. 9</a>	COMTC710008 <a href="#">Pag. 12</a>	COMTC710014 <a href="#">Pag. 13</a>	COMTC710009 <a href="#">Pag. 20</a>	COMTC710025 <a href="#">Pag. 21</a>
HSK63F-SN	-	-	COMTC710023 <a href="#">Pag. 14</a>	COMTC710018 <a href="#">Pag. 15</a>	COMTC710028 <a href="#">Pag. 22</a>	COMTC710026 <a href="#">Pag. 23</a>
HSK63F-LN	-	-	COMTC710006 <a href="#">Pag. 16</a>	COMTC710015 <a href="#">Pag. 17</a>	COMTC710005 <a href="#">Pag. 24</a>	COMTC710027 <a href="#">Pag. 25</a>

ACCESSORIES FOR ATC71 ELECTROSPINDLES	
CABLE SETS	<a href="#">Pag. 26</a>
TOOLHOLDERS, COLLETS and NUTS	<a href="#">Pag. 27</a>
FORKS and INVERTERS	<a href="#">Pag. 28</a>

# ATC71-A-ISO30-SN

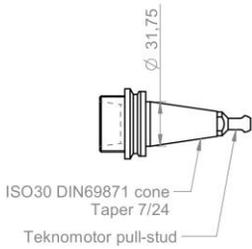
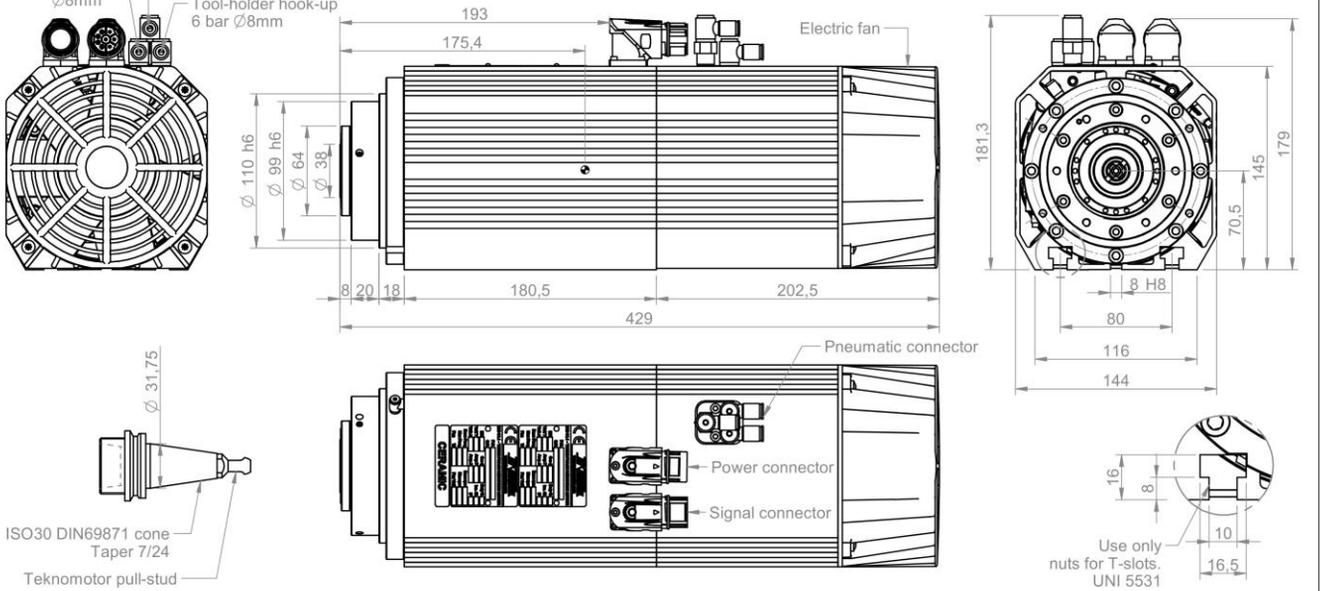
ATC71-A TORQUE AND POWER CURVES



Motor code: **COMTC710001**

Power S1: 3.8 Kw (S1) @ 12000 rpm  
 Power S6: 4.6 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear

Tool-holder release 6 bar Ø8mm  
 Pressurization 6 bar Ø8mm (Automatic cone cleaning included)  
 Tool-holder hook-up 6 bar Ø8mm



Use only nuts for T-slots. UNI 5531

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
3.8/4.6	S1/S6-60 %	12000	200	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	400	8.3/10.0	8.3/10.0	COMTC710001		
Balancing: G2.5 - ISO 1940 @ maximum motor speed	Balancing type	Foot type	Foot type	Foot type	Peso / weight		
		full key	full key	full key	20.79 kg		



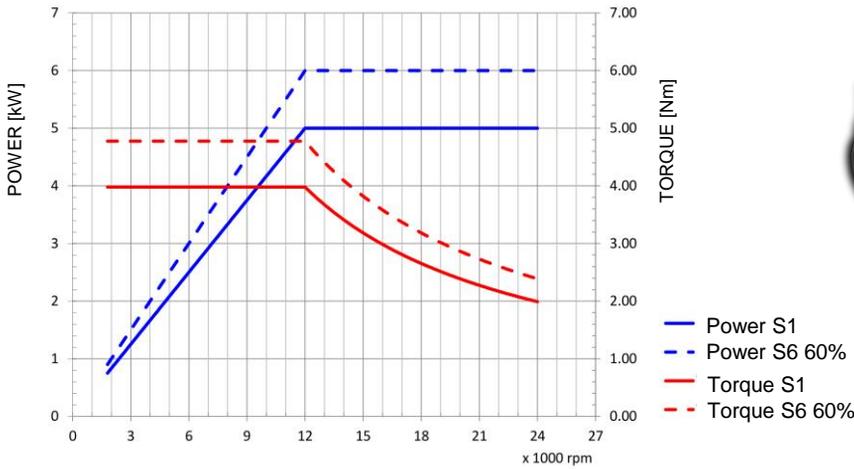
Power connector		Signal connector	
1	U	1	S1
2	V	2	S2
3	W	3	S3 tacho
GND	Ground	4	not used
A	Fan (L) 220V	5	S5
B	Thermal protection	6	0 V
C	Thermal protection	7	+24V DC
D	Fan (N) 220V		

Tolerance non quotata / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm		Title	
rev. n° / description		ATC71-A-ISO30-SN	
00	Emissione	date	signature
		05/08/2014	D. Bottarel
Customer		Drawing code	
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D. Bottarel - 05/08/2014	S. Perli - 05/08/2014	S. Perli - 05/08/2014	substituisce il
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ATC71-A-ISO30-SN

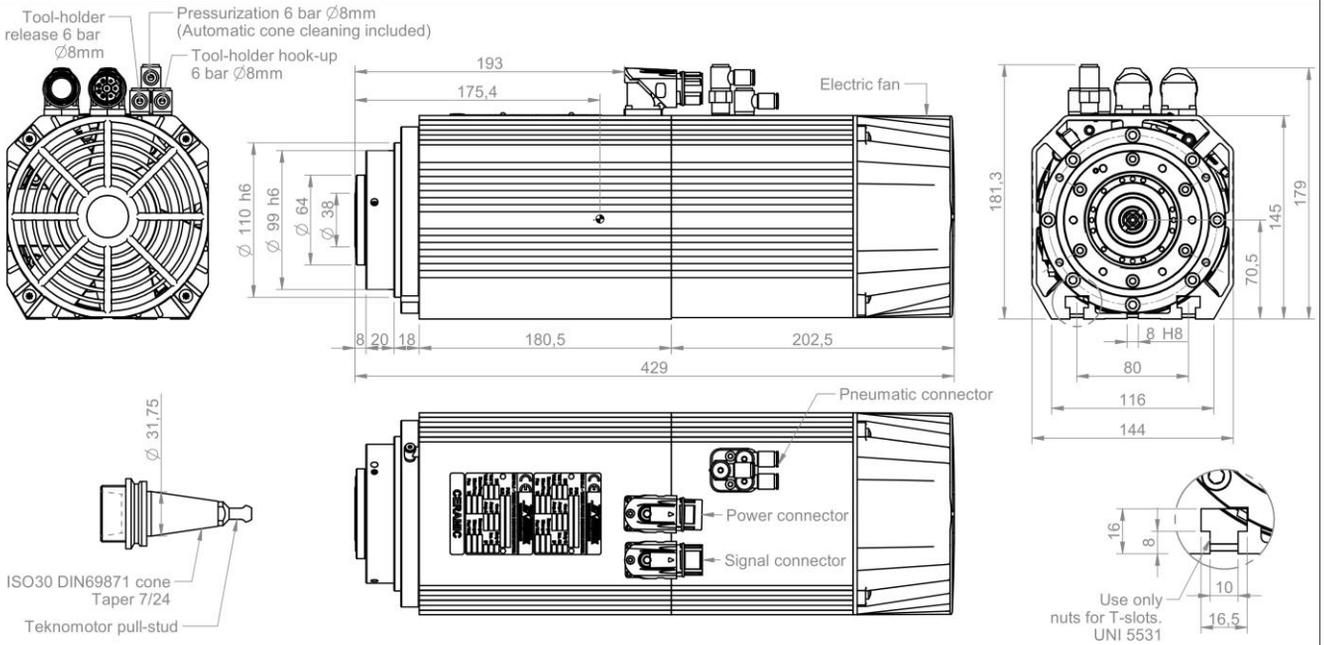


ATC71-A TORQUE AND POWER CURVES



Motor code: **COMTC710020**

Power S1: 5.0 Kw (S1) @ 12000 rpm  
 Power S6: 6.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear



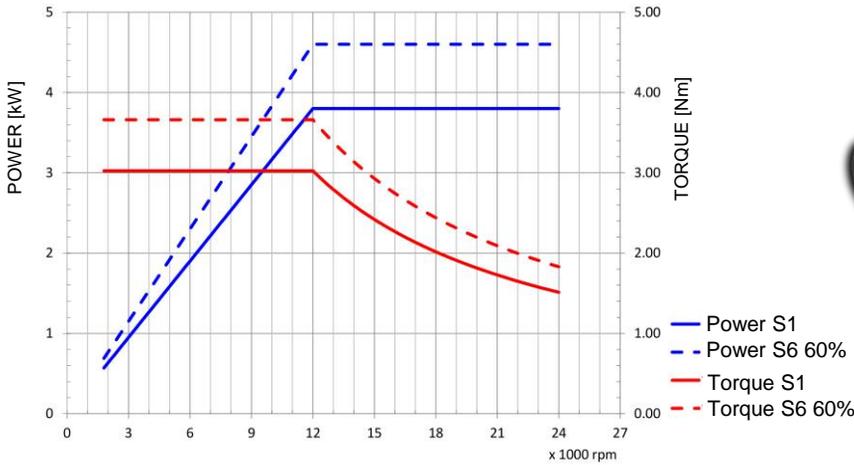
Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	not used
5	S5
6	0 V
7	+24V DC

Power [kW]	5.0/6.0	Duty Cycle	S1/S6 60%	Base speed [rpm]	12000	Base freq. [Hz]	400	Base voltage Δ [V]	380	Protection	IP54	Ins. Cl.	F	
Min speed [rpm]	3000	Max speed [rpm]	24000	Max freq. [Hz]	800	Absorb. Δ [A]	12.0/14.0	Part number on nameplate <b>COMTC710020</b>						
Balancing: G2.5 - ISO 1940 @ maximum motor speed				Balancing type		Foot type		Foot type		Peso / weight <b>25.54 kg</b>				
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm												Title <b>ATC71-A-ISO30-SN-4P</b>		
rev. n°	description							date	signature					
00	Emissione							10/01/2017	D. Bottarel					
Customer <b>Catalogo</b>										Drawing code <b>COMTC710020</b>			Drawing n° <b>2673</b>	
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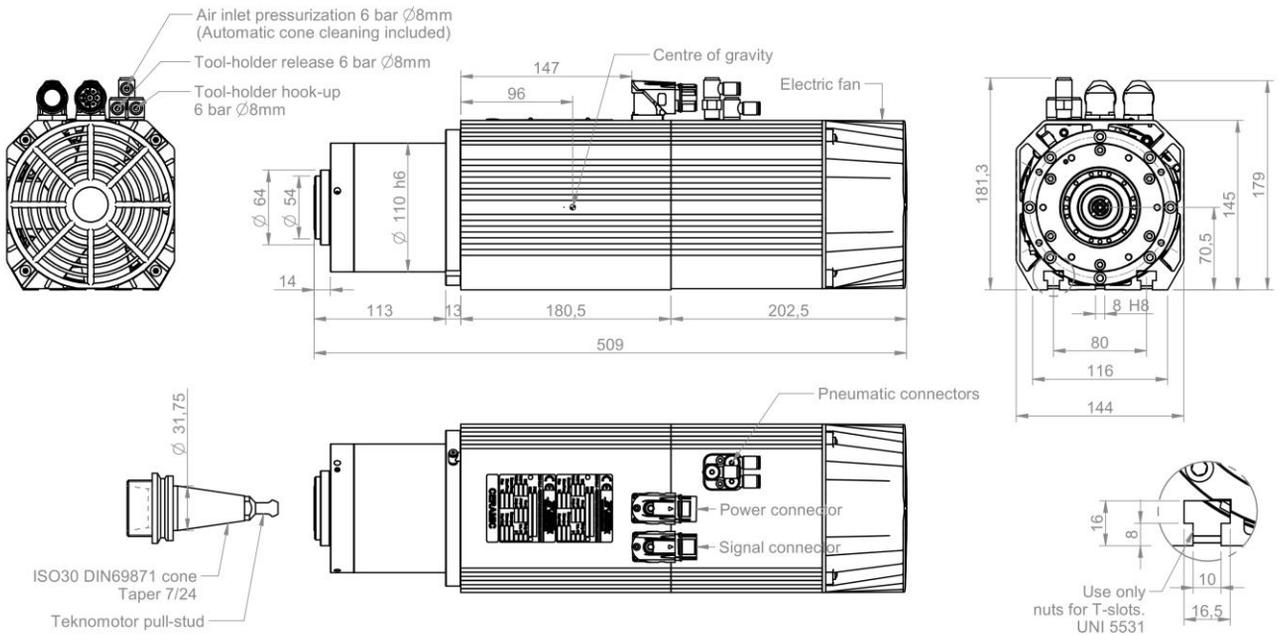
# ATC71-A-ISO30-LN

ATC71-A TORQUE AND POWER CURVES



Motor code: **COMTC710007**

Power S1: 3.8 Kw (S1) @ 12000 rpm  
 Power S6: 4.6 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear



Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

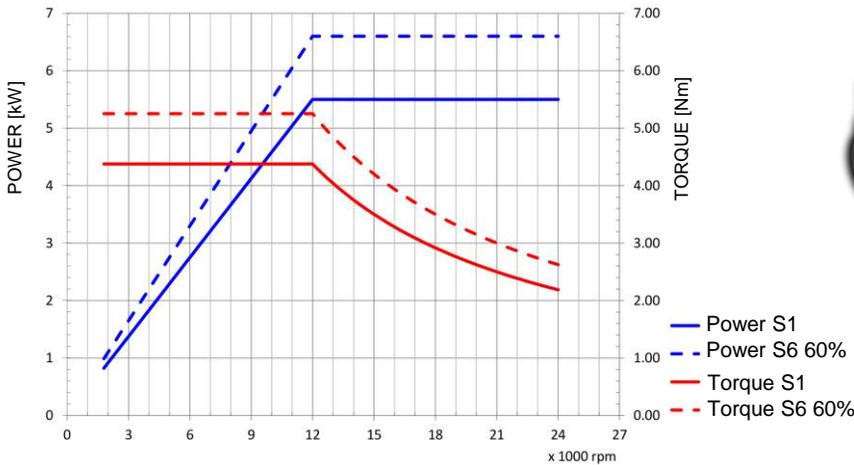
Signal connector	
1	S1
2	S2
3	S3 tacho
4	not used
5	S5
6	0 V
7	+24V DC

Power [kW] 3.8/4.6	Duty Cycle S1/S6-60 %	Base speed [rpm] 12000	Base freq. [Hz] 200	Base voltage Δ [V] 380	Base voltage Y [V] 380	Protection IP54	Ins. Cl. F
Min speed [rpm] 3000	Max speed [rpm] 24000	Max freq. [Hz] 400	Absorb. Δ [A] 8.3/10.0	Absorb. Y [A] 8.3/10.0	Part number on nameplate COMTC710007		
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type	Foot type full key	Foot type full key	Peso / weight 26.34 kg		
Tolerance non quotata / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm				$\nabla = 0.8 \sqrt{\quad}$ $\nabla = 3.2 \sqrt{\quad}$ $\nabla = 12.5 \sqrt{\quad}$ $\nabla = \sqrt{\quad}$	Title ATC71-A-ISO30-LN		
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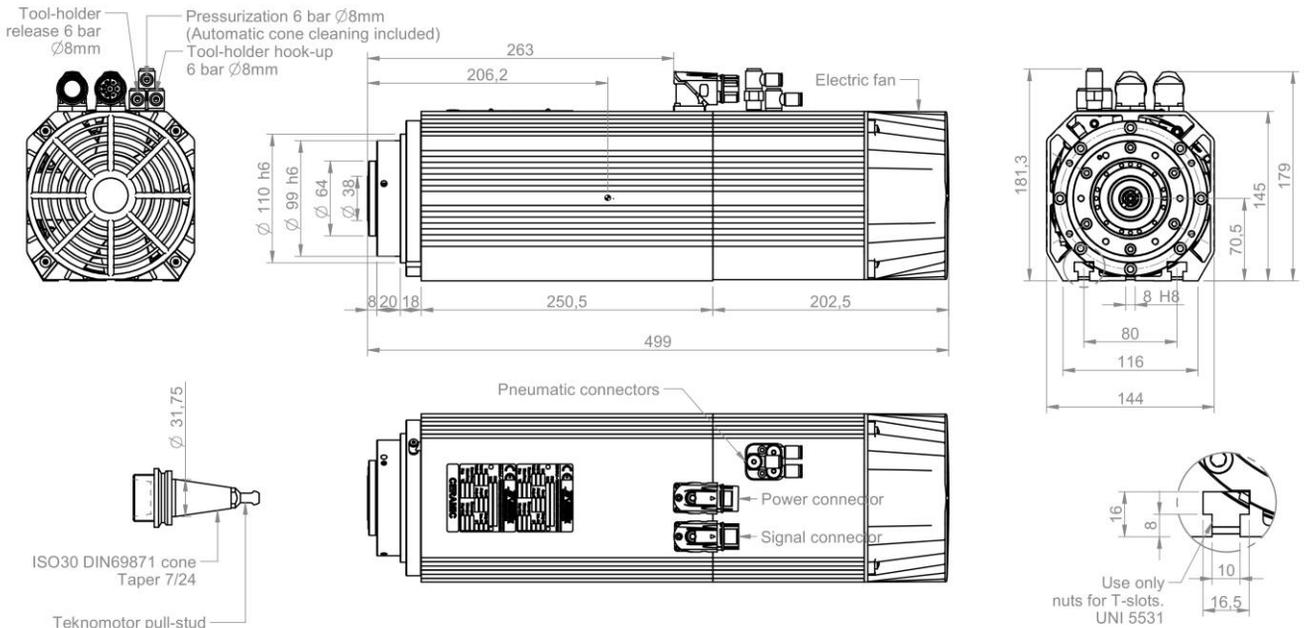
# ATC71-B-ISO30-SN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710004**

Power S1: 5.5 Kw (S1) @ 12000 rpm  
 Power S6: 6.6 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear



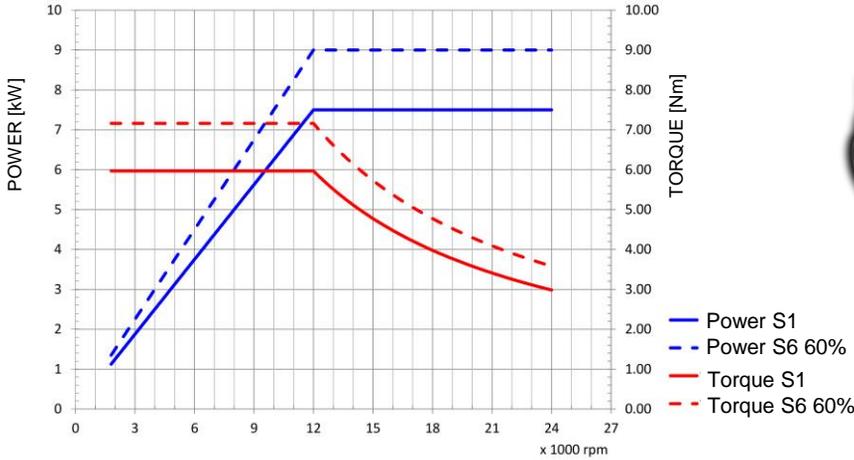
Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	not used
5	S5
6	0 V
7	+24V DC

Power [kW]	5.5/6.6	Duty Cycle	S1/S6-60 %	Base speed [rpm]	12000	Base freq. [Hz]	200	Base voltage Δ [V]	380	Protection	IP54	Ins. Cl.	F																																																																
Min speed [rpm]	3000	Max speed [rpm]	24000	Max freq. [Hz]	400	Absorb. Δ [A]	11.4/13.4	Absorb. Y [A]	11.4/13.4	Part number on nameplate	COMTC710004																																																																		
Balancing: G2.5 - ISO 1940 @ maximum motor speed				Balancing type				Foot type	Foot type	Peso / weight		24.83 kg																																																																	
Tolerance non quotata / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm																																																																													
rev. n°	00				description				Emissione		date	05/09/2014																																																																	
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# ATC71-B-ISO30-SN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710022**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Tool-holder release 6 bar Ø8mm

Pressurization 6 bar Ø8mm (Automatic cone cleaning included)

Tool-holder hook-up 6 bar Ø8mm

Electric fan

ISO30 DIN69871 cone Taper 7/24

Teknomotor pull-stud

Pneumatic connectors

Power connector

Signal connector

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
7.5/9.0	S1/S6-60 %	12000	400	380	380	IP54	F
Min speed [rpm]		Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate	
3000		24000	800	15.7/19.0	15.7/19.0	COMTC710022	
Balancing: G2.5 - ISO 1940 @ maximum motor speed			Balancing type	Foot type	Foot key	Peso / weight	
				Foot type	Foot key	25.13 kg	
Tolerance non quotata / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°				date		signature	
00				26/01/2017		D. Bottarel	
Description				Emissione		Customer	
						Catalogo	
drawn - date				approved - date		checked - date	
D. Bottarel - 26/01/2017				S. Peris - 26/01/2017		S. Peris - 26/01/2017	
sostituisce il				sostituito dal		foglio / sheet	
						1 / 1	
						scala	
						1:4	
						A4	

**TEKNOMOTOR**

Teknomotor S.r.l.  
 Via Agnègga 31, I-32038 Quero Vias (BL)  
 www.teknomotor.com

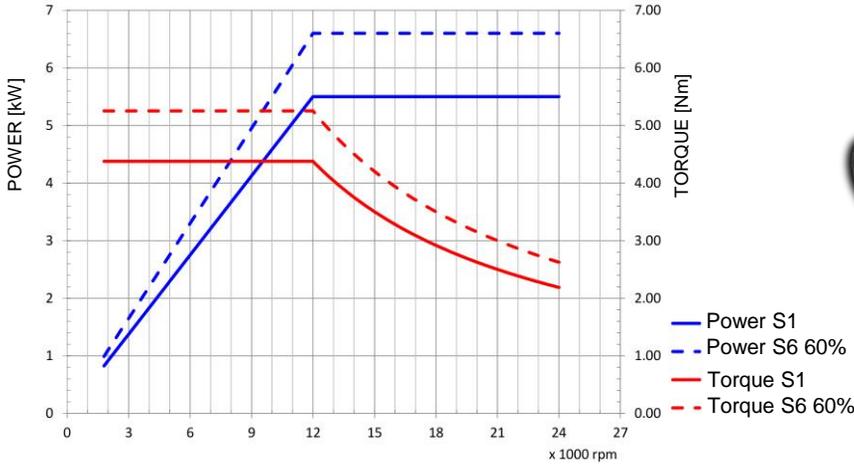
Title: ATC71-B-ISO30-SN-4P

Drawing code: COMTC710022

Drawing n°: 5055

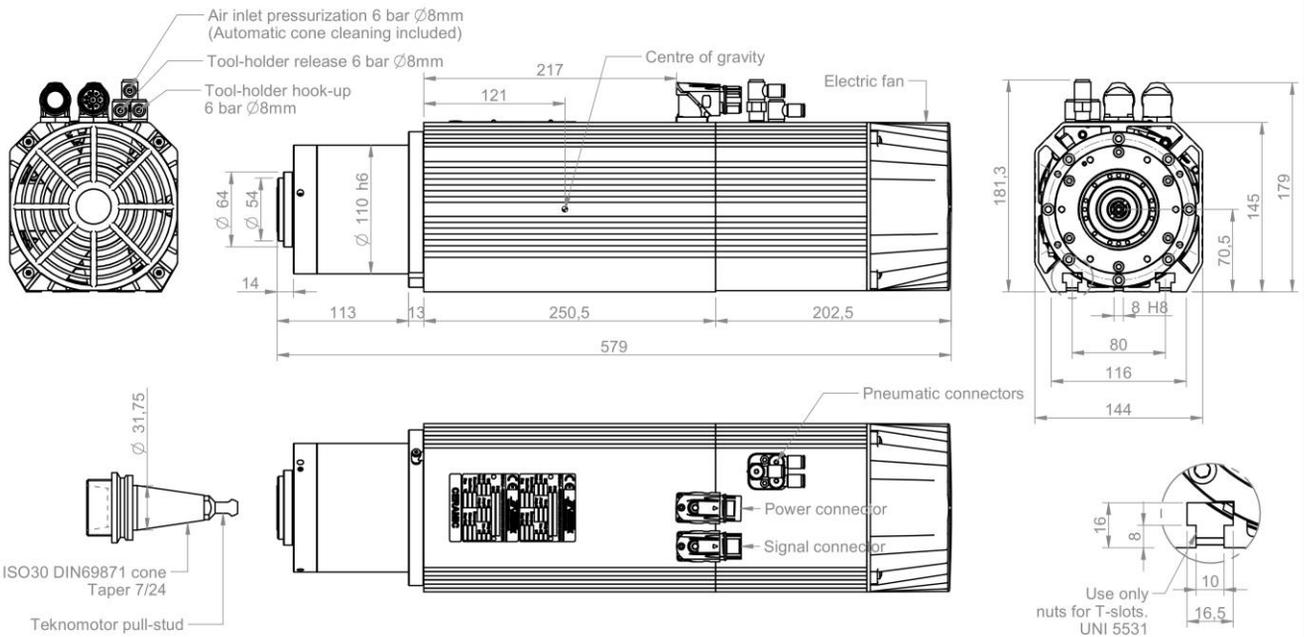
# ATC71-B-ISO30-LN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710008**

Power S1: 5.5 Kw (S1) @ 12000 rpm  
 Power S6: 6.6 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear



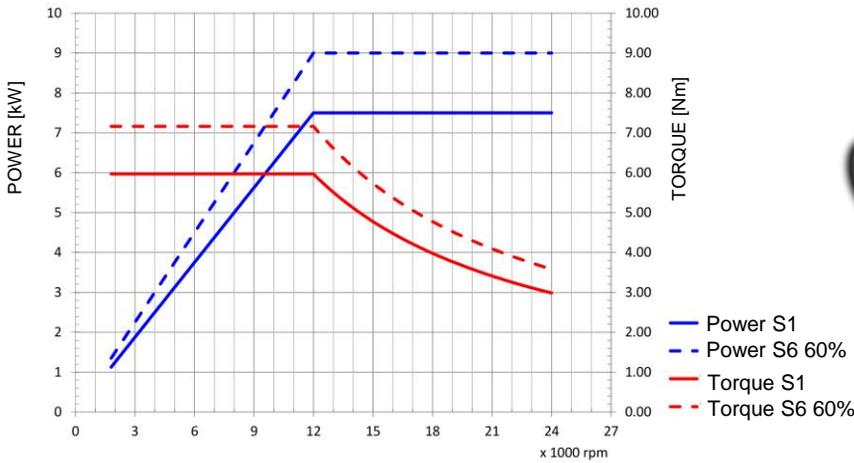
Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
5.5/6.6	S1/S6-60 %	12000	200	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	400	11.4/13.4	11.4/13.4	COMTC710008		
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type		Foot type	Foot key	Peso / weight	
				⊕	⊕	30.36 kg	
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°		description		date	signature		
00		Emissione		05/09/2014	D. Bottarel		
drawn - date		approved - date	checked - date	sostituisce il		foglio / sheet	
D. Bottarel - 05/09/2014		S. Peri - 05/09/2014	S. Peri - 05/09/2014	sostituito dal		1 / 1	
Title		Customer		Drawing code		Drawing n°	
ATC71-B-ISO30-LN		Catalogo		COMTC710008		3295	
Teknomotor S.r.l. Via Agneggia 31, I-32038 Quero Vias (BL) www.teknomotor.com		scale		A4			
		1:4					

Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	not used
5	S5
6	0 V
7	+24V DC

# ATC71-B-ISO30-LN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710014**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Technical drawing of the ATC71-B-ISO30-LN motor. It includes a top view, a side view, and a detail of the ISO30 DIN69871 cone. Key features and dimensions are labeled: Air inlet pressurization 6 bar Ø8mm (Automatic cone cleaning included), Tool-holder release 6 bar Ø8mm, Tool-holder hook-up 6 bar Ø8mm, Centre of gravity, Electric fan, Pneumatic connectors, Power connector, Signal connector, and Teknomotor pull-stud. Dimensions include: 121, 217.1, 113, 13, 250.5, 202.5, 579, 181.3, 179, 70.5, 145, 8 H8, 80, 116, 144, 16, 10, 16.5, and 31.75. The drawing also shows the ISO30 DIN69871 cone Taper 7/24 and Teknomotor pull-stud.

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
7.5/9.0	S1/S6-60 %	12000	400	380	380	IP54	F
Min speed [rpm]		Max speed [rpm]		Absorb. Δ [A]		Absorb. Y [A]	
3000		24000		15.7/19.0		Part number on nameplate	
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type		Foot type		Peso / weight	
				Foot type		30.66 kg	

Power connector	Signal connector
1 U	1 S1
2 V	2 S2
3 W	3 S3 tacho
GND Ground	4 not used
A Fan (L) 220V	5 S5
B Thermal protection	6 0 V
C Thermal protection	7 +24V DC
D Fan (N) 220V	

rev. n°	description	date	signature
00	Emissione	09/09/2016	D. Bottarel

drawn - date	approved - date	checked - date	sostituisce il	folgio / sheet	scala	formato
D. Bottarel - 09/09/2016	S. Peris - 09/09/2016	S. Peris - 09/09/2016	sostituisce il	1 / 1	1:4	A4

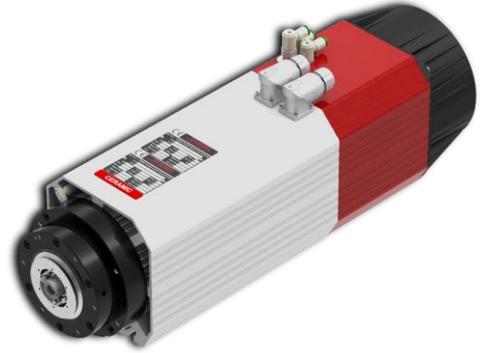
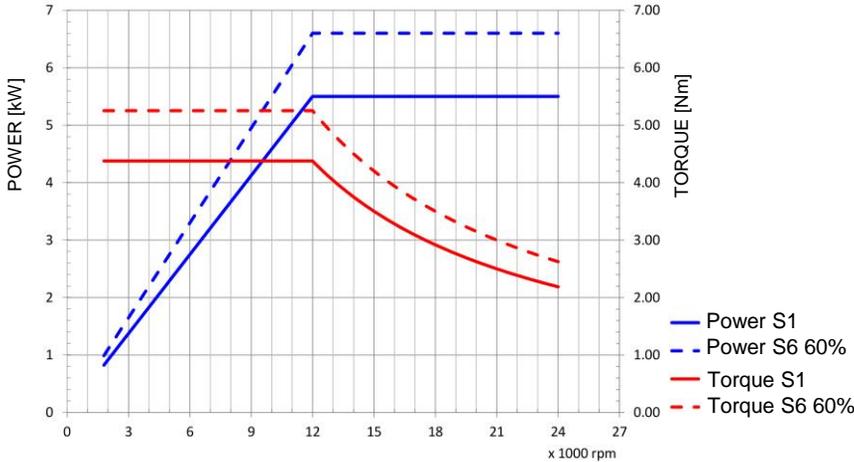
Use only nuts for T-slots. UNI 5531

**TEKNOMOTOR**  
 Teknomotor S.r.l.  
 Via Argentea 31, I-32038 Quero Vias (BL)  
 www.teknomotor.com

Title: ATC71-B-ISO30-LN-4P  
 Customer: Catalogo  
 Drawing code: COMTC710014  
 Drawing n°: 3296

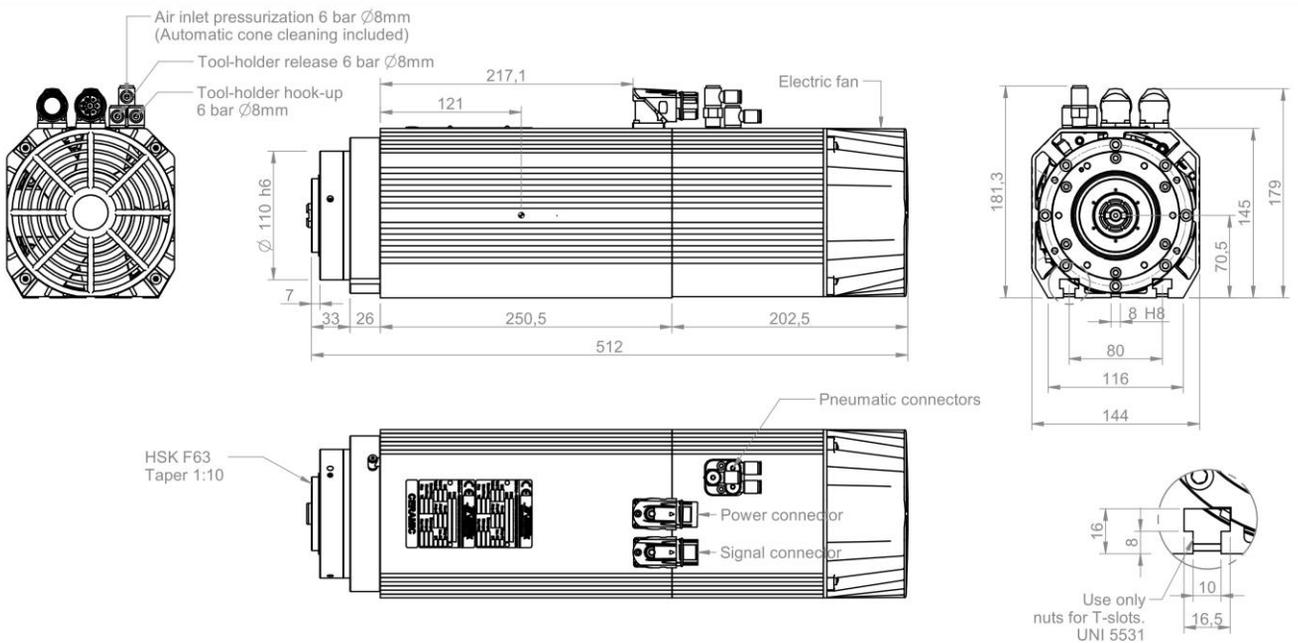
# ATC71-B-HSK63F-SN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710023**

Power S1: 5.5 Kw (S1) @ 12000 rpm  
 Power S6: 6.6 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear



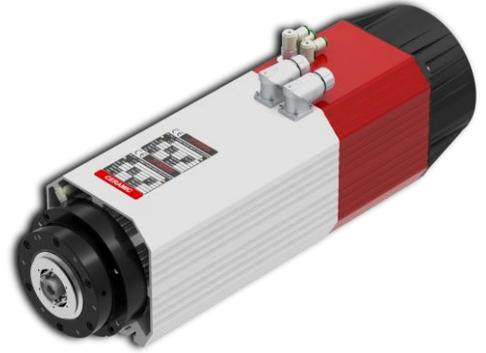
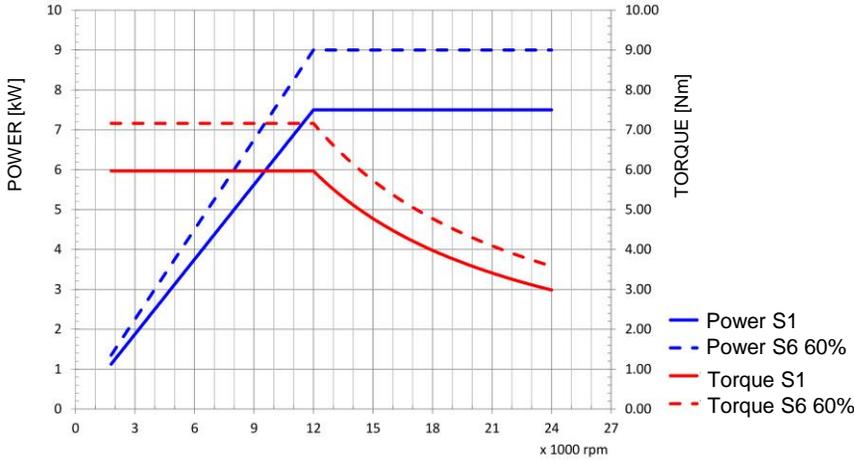
Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	S4
5	S5
6	0 V
7	+24V DC

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
5.5/6.6	S1/S6-60 %	12000	200	380	380	IP54	F
Min speed [rpm]		Max speed [rpm]		Absorb. Δ [A]		Absorb. Y [A]	
3000		24000		11.4/13.4		COMTC710023	
Balancing: G2.5 - ISO 1940 @ maximum motor speed			Balancing type		Peso / weight		
					26.50 kg		
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°		description		date		signature	
00		Emissione		01/02/2017		D. Bottarel	
drawn - date				approved - date		checked - date	
D. Bottarel - 01/02/2017				S. Peris - 01/02/2017		S. Peris - 01/02/2017	
sostituisce il				sostituito dal			
Title						Customer	
ATC71-B-HSK63F-SN						Catalogo	
Drawing code						Drawing n°	
COMTC710023						5063	
drawn / sheet				scale		A4	
1 / 1				1:4			

# ATC71-B-HSK63F-SN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710018**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Air inlet pressurization 6 bar Ø8mm  
(Automatic cone cleaning included)

Tool-holder release 6 bar Ø8mm

Tool-holder hook-up 6 bar Ø8mm

Electric fan

HSK F63  
Taper 1:10

Pneumatic connectors

Power connector

Signal connector

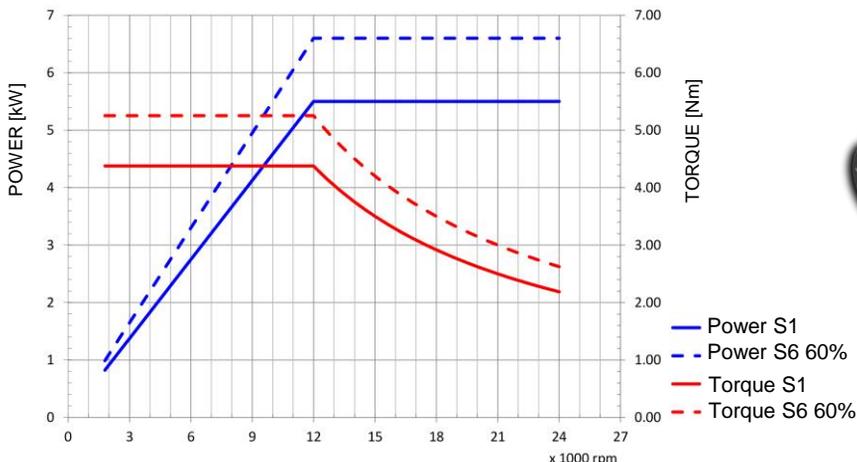
Dimensions: 121, 217.1, 110 h6, 7, 33, 26, 250.5, 512, 202.5, 181.3, 179, 70.5, 145, 8 H8, 80, 116, 144, 16, 8, 10, 16.5

Use only nuts for T-slots. UNI 5531

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	380	Protection	IP54	Ins. Cl.	F
7.5/9.0	S1/S6-60 %	12000	400	Base voltage Y [V]	15.7/19.0	Part number on nameplate	COMTC710018		
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Peso / weight				
3000	24000	800	Tolerance non quotati / unlisted tolerances: ±0.5mm		26.80 kg				
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type		Tolleranze non quotati / unlisted chamfers: +0.5mm		Smussi non quotati / unlisted chamfers: +0.5mm			
rev. n°		description		date		signature			
00		Emissione		12/10/2016		D. Bottarel			
drawn - date		approved - date		checked - date		sostituisce il		foglio / sheet	
D. Bottarel - 12/10/2016		S. Perli - 12/10/2016		S. Perli - 12/10/2016		sostituito dal		1 / 1	
Title		Customer		Drawing code		Drawing n°			
ATC71-B-HSK63F-SN-4P		Catalogo		COMTC710018		5059			
scale		A4		1:4					

# ATC71-B-HSK63F-LN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710006**

Power S1: 5.5 Kw (S1) @ 12000 rpm  
 Power S6: 6.6 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear

Power [kW]	5.5/6.6	Duty Cycle	S1/S6-60 %	Base speed [rpm]	12000	Base freq. [Hz]	200	Base voltage Δ [V]	380	Protection	IP54	Ins. Cl.	F		
Min speed [rpm]	3000	Max speed [rpm]	24000	Max freq. [Hz]	400	Absorb. Δ [A]	11.4/13.4	Part number on nameplate <b>COMTC710006</b>							
Balancing: G2.5 - ISO 1940 @ maximum motor speed				Balancing type				Foot type	Peso / weight <b>30.45 kg</b>						
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm															
rev. n°	00	description						date	05/09/2014	signature		D. Bottarel			
Emissione												Customer	Catalogo		
Drawing code										COMTC710006		Drawing n°		3292	
drawn - date	D. Bottarel - 05/09/2014	approved - date	S. Perri - 05/09/2014	checked - date	S. Perri - 05/09/2014	sostituisce il		sostituito dal		folgio / sheet	1 / 1	scala	1:4		A4

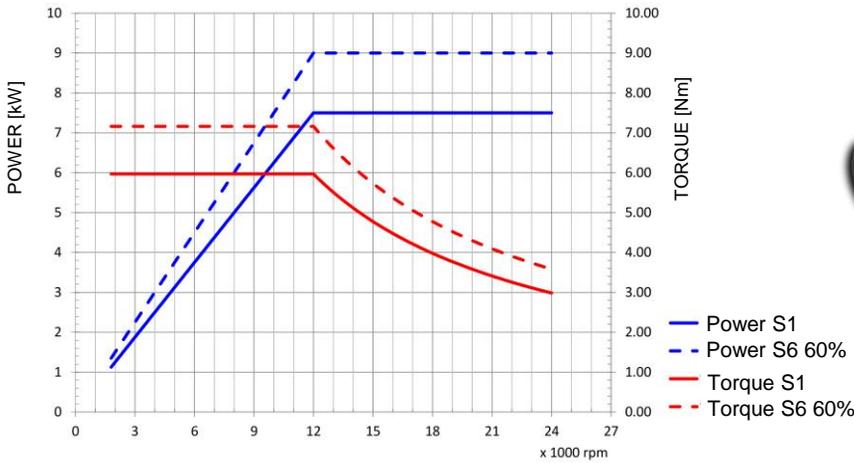
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

1	S1
2	S2
3	S3 lacho
4	S4
5	S5
6	0 V
7	+24V DC

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# ATC71-B-HSK63F-LN

ATC71-B TORQUE AND POWER CURVES



Motor code: **COMTC710015**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
7.5/9.0	S1/S6-60 %	12000	400	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	800	15.7/19.0	15.7/19.0	COMTC710015		
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type		Foot type	Peso / weight		
				Foot type	30.76 kg		
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°		description		date		signature	
00		Emissione		15/09/2016		D. Bottarel	
drawn - date				approved - date		checked - date	
D. Bottarel - 15/09/2016		S. Perli - 15/09/2016		S. Perli - 15/09/2016		sostituisce il	
				sostituito dal		foglio / sheet	
						1 / 1	
						scala	
						1:4	
						A4	

Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	S4
5	S5
6	0 V
7	+24V DC

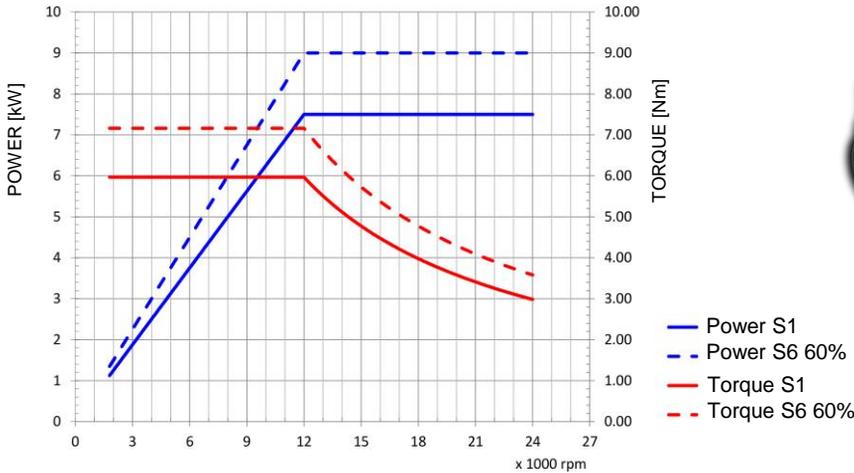
**TEKnomotor**  
 Teknomotor S.r.l.  
 Via Argemone 31, I-32038 Quero Vias (BL)  
 www.teknomotor.com

Title		ATC71-B-HSK63F-LN-4P	
Customer		Catalogo	
Drawing code		COMTC710015	
Drawing n°		3291	

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# ATC71-C-ISO30-SN

ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710003**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear

Tool-holder release 6 bar Ø8mm

Pressurization 6 bar Ø8mm (Automatic cone cleaning included)

Tool-holder hook-up 6 bar Ø8mm

ISO30 DIN69871 cone Taper 7/24

Teknomotor pull-stud

Pneumatic connectors

Power connector

Signal connector

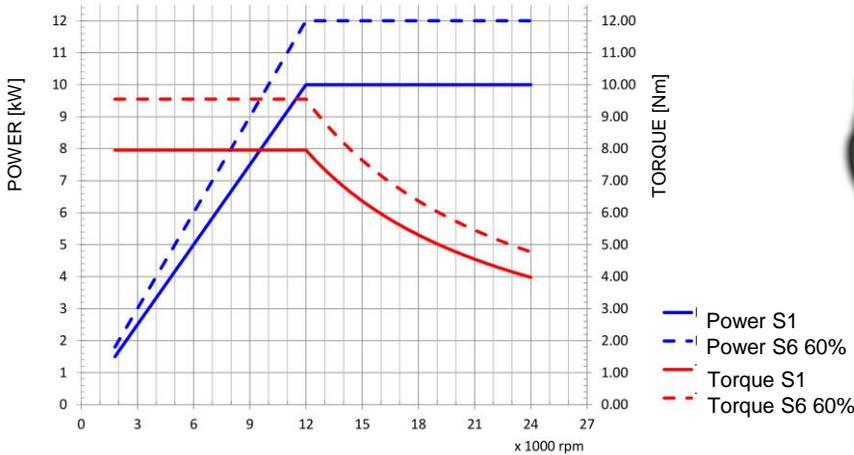
Use only nuts for T-slots. UNI 5531

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
7.5/9.0	S1/S6-60 %	12000	200	380	380	IP54	F
Min speed [rpm]		Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate	
3000		24000	400	16.0/19.2	16.0/19.2	COMTC710003	
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type		Foot type	Foot key	Peso / weight	
				Foot type	Foot key	26.47 kg	
Tolerance non quotata / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°	description			date	signature		
00	Emissione			05/09/2014	D. Bottarel		
drawn - date				approved - date	checked - date	sostituisce il	
D. Bottarel - 05/09/2014				S. Perli - 05/09/2014	S. Perli - 05/09/2014	sostituito dal	
Title						Customer	
ATC71-C-ISO30-SN						Catalogo	
Drawing code						Drawing n°	
COMTC710003						2675	
foglio / sheet				scala		A4	
1 / 1				1:4			

# ATC71-C-ISO30-SN



ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710024**

Power S1: 10.0 Kw (S1) @ 12000 rpm  
 Power S6: 12.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Tool-holder release 6 bar Ø8mm

Pressurization 6 bar Ø8mm (Automatic cone cleaning included)

Tool-holder hook-up 6 bar Ø8mm

Electric fan

ISO30 DIN69871 cone Taper 7/24

Teknomotor pull-stud

Pneumatic connectors

Power connector

Signal connector

Use only nuts for T-slots. UNI 5531

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
10.0/12.0	S1/S6-60 %	12000	400	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	800	20.0/24.0	20.0/24.0	COMTC710024		
Balancing: G2.5 - ISO 1940 @ maximum motor speed	Balancing type	Foot type	Foot type	Foot type	Peso / weight		
		full key	full key	full key	25.13 kg		

Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	not used
5	S5
6	0 V
7	+24V DC

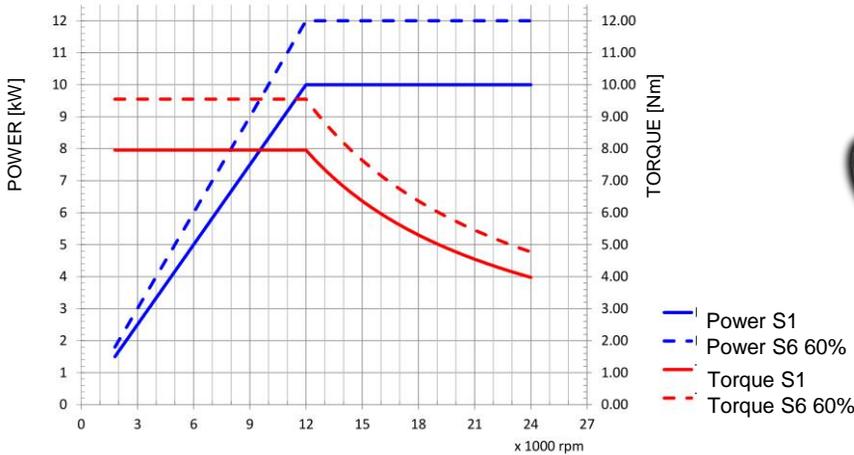
Tolerance non quotata / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: ±0.5mm		Title	
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Description		date	signature
Emissione		01/02/2017	D. Bottarel
Customer		Catalogo	
Drawing code		COMTC710024	
Drawing n°		5064	
drawn - date	approved - date	checked - date	substituisce il
D. Bottarel - 01/02/2017	S. Peris - 01/02/2017	S. Peris - 01/02/2017	substituisce il
foglio / sheet		scala	
1 / 1		1:4	A4

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# ATC71-C-ISO30-LN

ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710025**

Power S1: 10.0 Kw (S1) @ 12000 rpm  
 Power S6: 12.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Air inlet pressurization 6 bar Ø8mm (Automatic cone cleaning included)  
 Tool-holder release 6 bar Ø8mm  
 Tool-holder hook-up 6 bar Ø8mm

Centre of gravity  
 Electric fan  
 Pneumatic connectors

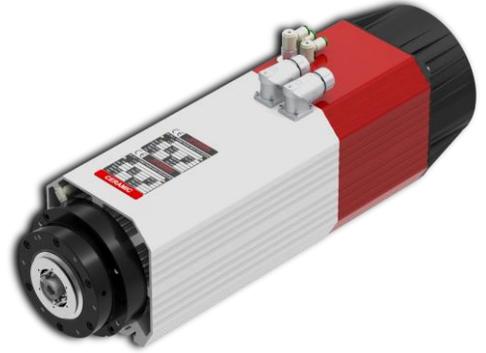
ISO30 DIN69871 cone Taper 7/24  
 Teknomotor pull-stud

Power connector  
 Signal connector

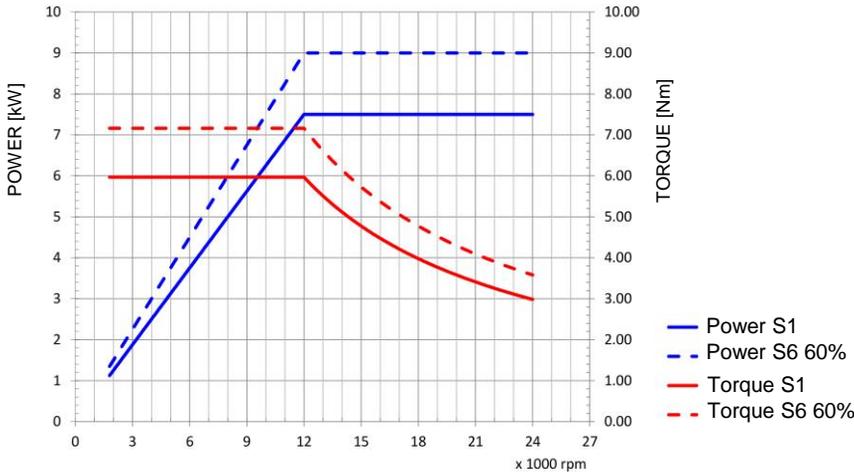
Use only nuts for T-slots. UNI 5531

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
10.0/12.0	S1/S6-60%	12000	400	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	800	20.0/24.0	20.0/24.0	COMTC710025		
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type	Foot type	Foot type	Peso / weight		
			full key	full key	30.66 kg		
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°		description		date	signature		
00		Emissione		01/02/2017	D. Bottarel		
drawn - date				approved - date	checked - date	sostituisce il	
D. Bottarel - 01/02/2017				S. Peris - 01/02/2017	S. Peris - 01/02/2017	sostituito dal	
Title				Customer			
ATC71-C-ISO30-LN-4P				Catalogo			
Drawing code				Drawing n°			
COMTC710025				5065			
drawn - date		approved - date		checked - date		sostituisce il	
D. Bottarel - 01/02/2017		S. Peris - 01/02/2017		S. Peris - 01/02/2017		sostituito dal	
foglio / sheet		scale		A4			
1 / 1		1:4					

# ATC71-C-HSK63F-SN



ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710028**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear

Air inlet pressurization 6 bar Ø8mm  
(Automatic cone cleaning included)

Tool-holder release 6 bar Ø8mm

Tool-holder hook-up 6 bar Ø8mm

Electric fan

Pneumatic connectors

Power connector

Signal connector

HSK F63 Taper 1:10

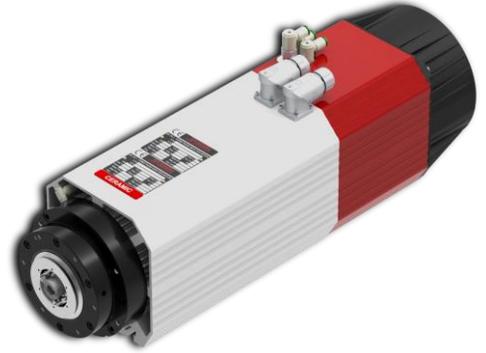
Use only nuts for T-slots. UNI 5531

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
7.5-9.0	S1/S6-60 %	12000	200	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	400	16.0/19.2	16.0/19.2	COMTC710028		
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type	Foot type	Foot type	Peso / weight		
			⊕	⊕	28.14 kg		
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
			∇∇ = 0.8 √	∇∇ = 3.2 √	∇ = 12.5 √	∇ = ∇	
rev. n°	description		date	signature		Title	
00	Emissione		01/02/2017	D. Bottarel		ATC71-C-HSK63F-SN	
				Customer		Catalogo	
				Drawing code		5068	
				COMTC710028		Drawing n°	
						5068	
drawn - date	approved - date	checked - date	sostituisce il		foglio / sheet		scala
D. Bottarel - 01/02/2017	S. Peris - 01/02/2017	S. Peris - 01/02/2017	sostituito dal		1 / 1		1:4

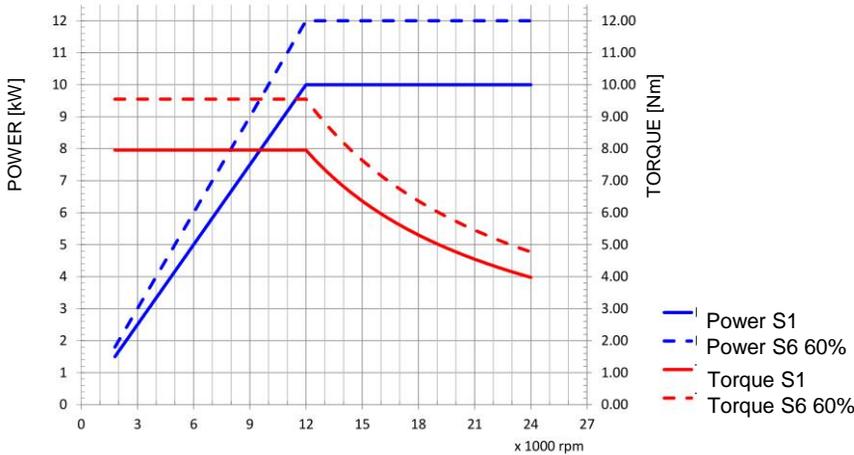
Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	S4
5	S5
6	0 V
7	+24V DC

# ATC71-C-HSK63F-SN



ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710026**

Power S1: 10.0 Kw (S1) @ 12000 rpm  
 Power S6: 10.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear

Air inlet pressurization 6 bar Ø8mm (Automatic cone cleaning included)

Tool-holder release 6 bar Ø8mm

Tool-holder hook-up 6 bar Ø8mm

217,1

121

7

33

26

250,5

512

202,5

Electric fan

181,3

179

145

70,5

8 H8

80

116

144

HSK F63 Taper 1:10

Pneumatic connectors

Power connector

Signal connector

Use only nuts for T-slots. UNI 5531

16

10

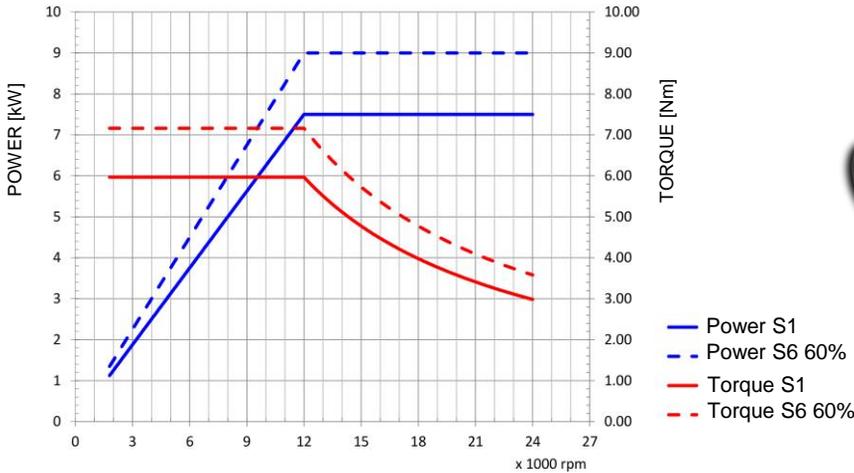
16,5

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
10.0/12.0	S1/S6-60%	12000	400	380	380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	800	20.0/24.0	20.0/24.0	COMTC710026		
Balancing: G2.5 - ISO 1940 @ maximum motor speed		Balancing type	Foot type	Foot type	Peso / weight		
			full key	full key	26.80 kg		
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm							
rev. n°	description			date	signature		
00	Emissione			01/02/2017	D. Bottarel		
drawn - date				approved - date	checked - date	sostituisce il	
D. Bottarel - 01/02/2017				S. Peris - 01/02/2017	S. Peris - 01/02/2017	sostituito dal	
Title						Customer	
ATC71-C-HSK63F-SN-4P						Catalogo	
Drawing code						Drawing n°	
COMTC710026						5066	
foglio / sheet				scala		A4	
1 / 1				1:4			

# ATC71-C-HSK63F-LN

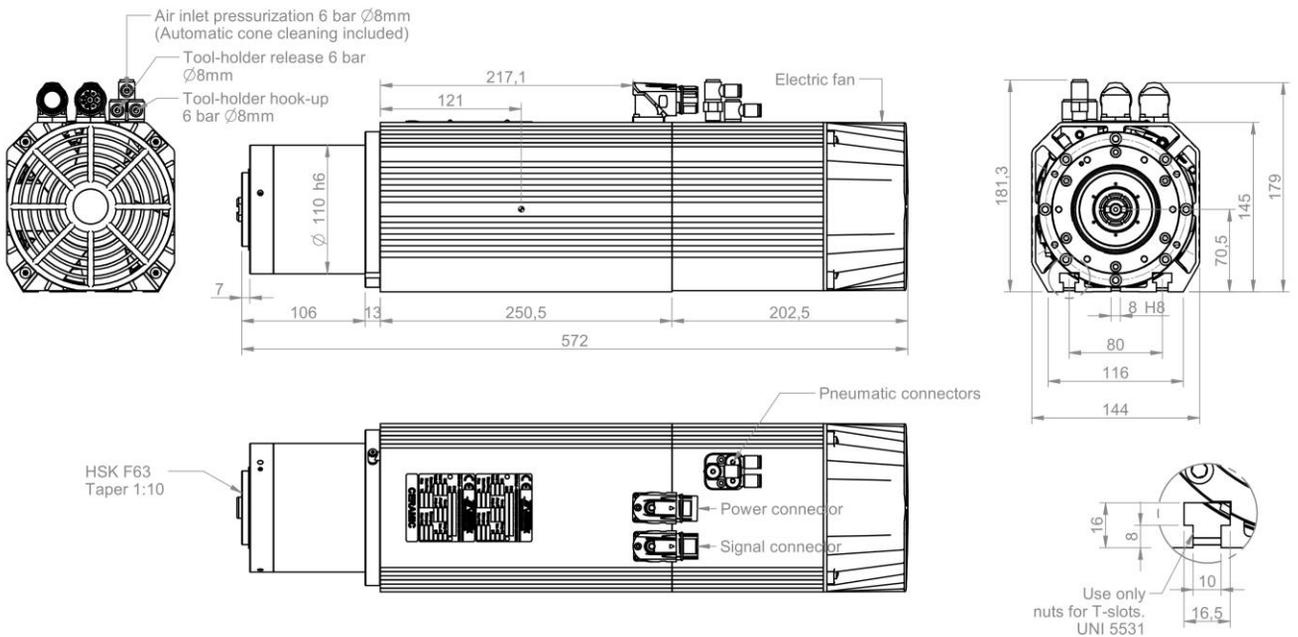


ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710005**

Power S1: 7.5 Kw (S1) @ 12000 rpm  
 Power S6: 9.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 2  
 Max speed: 24000 rpm @ 400 Hz  
 Bearings: Ceramic, front and rear



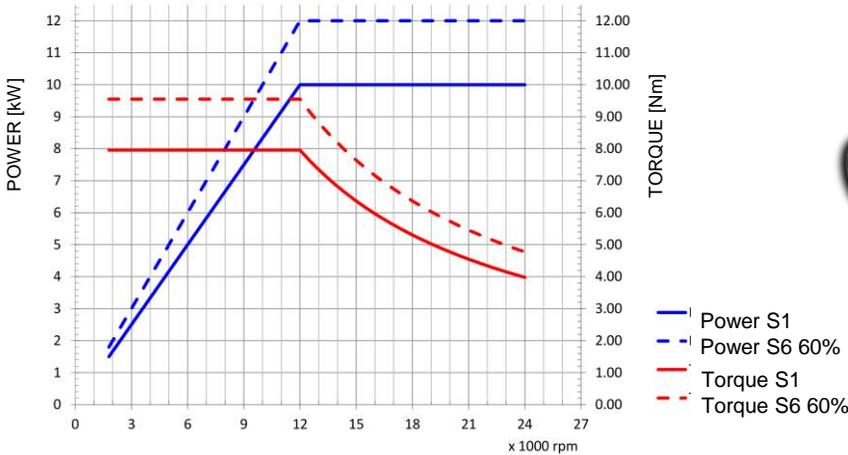
Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	S4
5	S5
6	0 V
7	+24V DC

Power [kW]	7.5/9.0	Duty Cycle	S1/S6-60 %	Base speed [rpm]	12000	Base freq. [Hz]	200	Base voltage Δ [V]	380	Protection	IP54	Ins. Cl.	F
Min speed [rpm]	3000	Max speed [rpm]	24000	Max freq. [Hz]	400	Absorb. Δ [A]	16.0/19.2	Part number on nameplate <b>COMTC710005</b>					
Balancing: G2.5 - ISO 1940 @ maximum motor speed				Balancing type		Foot type	Foot key	Peso / weight <b>32.10 kg</b>					
Tolerance non quotati / unlisted tolerances: ±0.5mm Smussi non quotati / unlisted chamfers: +0.5mm													
rev. n°	description		date		signature								
00	Emissione		05/09/2014		D. Bottarel								
Title <b>ATC71-C-HSK63F-LN</b>										Customer <b>Catalogo</b>			
Drawing code <b>COMTC710005</b>										Drawing n° <b>3291</b>			
drawn - date	approved - date	checked - date	sostituisce il		foglio / sheet		scala						
D. Bottarel - 05/09/2014	S. Peris - 05/09/2014	S. Peris - 05/09/2014	sostituito dal		1 / 1		1:4		A4				

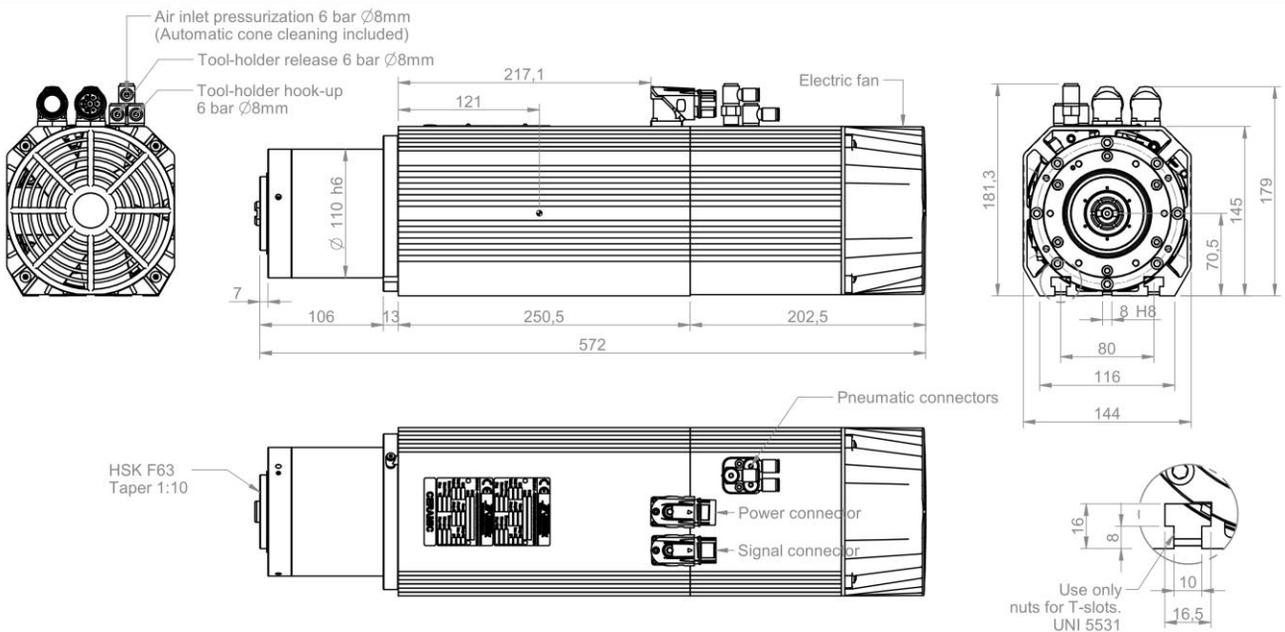
# ATC71-C-HSK63F-LN

ATC71-C TORQUE AND POWER CURVES



Motor code: **COMTC710027**

Power S1: 10.0 Kw (S1) @ 12000 rpm  
 Power S6: 12.0 Kw (S6) @ 12000 rpm  
 Voltage: 380V (option 220V)  
 Poles: 4  
 Max speed: 24000 rpm @ 800 Hz  
 Bearings: Ceramic, front and rear



Power connector	
1	U
2	V
3	W
GND	Ground
A	Fan (L) 220V
B	Thermal protection
C	Thermal protection
D	Fan (N) 220V

Signal connector	
1	S1
2	S2
3	S3 tacho
4	S4
5	S5
6	0 V
7	+24V DC

Power [kW]	Duty Cycle	Base speed [rpm]	Base freq. [Hz]	Base voltage Δ [V]	Base voltage Y [V]	Protection	Ins. Cl.
10.0/12.0 S1/S6-60%		12000	400		380	IP54	F
Min speed [rpm]	Max speed [rpm]	Max freq. [Hz]	Absorb. Δ [A]	Absorb. Y [A]	Part number on nameplate		
3000	24000	800		20.0/24.0	COMTC710027		
Balancing: G2.5 - ISO 1940 @ maximum motor speed	Balancing type	Foot type	Foot type full key	Foot type	Foot type full key	Peso / weight	
		∇∇ = 0.8 ∇	∇∇ = 3.2 ∇	∇ = 12.5 ∇	∇ = ∇	30.76 kg	
Tolerance non quotati / unlisted tolerances: ±0.5mm		Smussi non quotati / unlisted chamfers: ±0.5mm					
rev. n°	description	date	signature	Title			
00	Emissione	01/02/2017	D. Bottarel	ATC71-C-HSK63F-LN-4P			
Customer				Catalogo			
Drawing code				COMTC710027			
Drawing n°				5067			
drawn - date	approved - date	checked - date	sostituisce il	folgio / sheet	scala	A4	
D. Bottarel - 01/02/2017	S. Peris - 01/02/2017	S. Peris - 01/02/2017	sostituito dal	1 / 1	1:4		

**CABLE SETS**

The connection cables provided by Teknomotor for its ATC are in **mobile lying, shielded and oil-proof** (PUR). All the wires are numbered and complete of insulated end ferrules. Moreover, the connectors are wired by professional companies, which ensure the compliance through testing. Teknomotor can even provide the connector with the PINs to wire, but do not recommend it.

I cavi di collegamento forniti da Teknomotor per i propri ATC sono in **posa mobile, sono schermati e resistenti all'olio** (PUR). Tutti i fili sono numerati e dotati di puntalini isolati. I connettori sono inoltre cablati da aziende specializzate, che ne garantiscono la conformità tramite collaudo. Teknomotor può anche fornire il connettore completo di PIN da cablare, ma lo sconsigliamo.

Die von Teknomotor mitgelieferten Verbindungskabel für die eigenen ATC werden **mobil verlegt, sind geschirmt und ölbeständig** (PUR). Alle Drähte sind durchnummeriert und mit isolierten Spitzen versehen. Die Verbinder wurden zudem von Fachbetrieben verkabelt, die durch Abnahme die Konformität zusichern. Teknomotor kann den Verbinder auch mit zu verkabelndem PIN anliefern, es ist jedoch nicht ratsam.

SIGNAL CONNECTOR WIRING TABLE		
SIGNAL CONNECTOR PIN	COLOR WIRE	CABLE TYPE
1	Green	<b>3x(2x0.14) + 2x0.50 SHIELDED GREEN CABLE</b>
2	Yellow	
3	Grey	
4	Blue	
5	Pink	
6	White (0V)	
7	Brown (+24V DC)	
8	Red	
Frame connector	Cable shield	



**MAX CURRENT: 24A**

POWER CONNECTOR WIRING TABLE		
POWER CONNECTOR PIN	COLOR WIRE	CABLE TYPE
2	Yellow / Green ⊥	<b>4G2.5 + 2x(2x1) SHIELDED ORANGE CABLE</b>
1	U	
2	V	
3	W	
Frame connector	Cable shield	
A	5	
B	6	
C	7	
D	8	

CABLE SET LENGHTS AVAILABLE [m]	ORDERING CODE
2	CAS0001
5	CAS0002
10	CAS0003
15	CAS0004
20	CAS0005

**TOOL HOLDERS – PORTAUTENSILI – WERKZEUGTRÄGER**

The tool holders are provided by Teknomotor only on demand.

The ISO 30 toolholders are supplied complete with pull stud and balanced nut. The HSK 63F toolholders are supplied complete with balanced nut.

I portautensili vengono forniti da Teknomotor solo su richiesta.

I portautensili ISO 30 vengono forniti completi di codolo e ghiera equilibrata.

I portautensili HSK 63F vengono forniti completi di ghiera equilibrata.

Die Werkzeugträger werden nur auf Anfrage von Teknomotor geliefert.

Die Werkzeugträger ISO 30 werden mit Einspannzapfen und ausgewuchtetem Schraubstock angeliefert.

Die Werkzeugträger HSK 63F werden mit ausgewuchtetem Schraubstock angeliefert.

TOOLHOLDER TYPES	THREAD DIMENSION	TAPER	ORDERING CODE	RENDER VIEW
<b>ISO 30</b>	M40 x 1.5	ER 32	TOH0105A	
<b>HSK 63F</b>	M40 x 1.5	ER 32	TOH0205A	
<b>PULL STUD</b> for ISO 30 tool holder	M12	-	TOH0151A	
<b>NUT GTS32</b>	M40 x 1.5	ER32	GHS0205RA	
<b>COLLETS ER32</b>	-	ER32	PIN05<XX>00E Where <b>XX</b> is the internal diameter of the collet [mm]	

**FORKS**

The forks for toolholders supplied by Teknomotor are made of ABS, a very lightweight, elastic and resistant thermoplastic polymer.

Le forks per portautensili fornite da Teknomotor sono realizzate in ABS, un polimero termoplastico estremamente leggero, elastico e resistente.

Die von Teknomotor unsere Werkzeugklammern sind aus ABS, ein thermoplastisch Polymer extem leicht, elastisch und resistant.

FORK TYPE	ORDERING CODE	RENDER VIEW
ISO30	TOH0181A	
HSK63F	TOH0281A	

**INVERTERS**

The three phases inverters are suitable for every industrial application. They work with three phases line voltage of 380-400 V.

Gli inverter trifase sono adatti per ogni applicazione industriale. Funzionano con tensione di rete 380-400 V trifase.

Die Dreiphasen-Inverter sind für industrielle Einsätze geeignet. Sie werden mit einer dreiphasigen Netzspannung von 380-400V betrieben.



TEKNOMOTOR ORDERING CODE	TECHNICAL DATA				SPINDLE TYPES	
	Power [kVA]	Current [A]	Freq. [Hz]	T <sub>MAX</sub> [°C]	2 poles	4 poles
INV011207	5.5	14.3	50	50	COMTC710001 COMTC710007	-
INV011208	7.5	17.0	50	50	COMTC710004 COMTC710006 COMTC710008 COMTC710023	-
INV011209	11.0	27.7	50	50	COMTC710003 COMTC710005 COMTC710009 COMTC710028	-
INV022109	11.0	16.0	50		-	COMTC710020 COMTC710021 COMTC710023
INV022110	15.0	21.5	50		-	COMTC710014 COMTC710015 COMTC710018 COMTC710022
INV022112	22.0	30.0	50		-	COMTC710024 COMTC710025 COMTC710026 COMTC710027

## ATC71 CATALOGUE REVISION TABLE

<b>Doc. Code</b>	<b>Rev. n°</b>	<b>Rev. Date</b>	<b>Rev. Description</b>	<b>Rev. Author</b>
DOC.C.003	00	28/02/2017	1 <sup>st</sup> Emission	E. Gaspari



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[www.teknomotor.com](http://www.teknomotor.com)

**AZIENDA CON SISTEMA  
DI GESTIONE QUALITÀ  
CERTIFICATO DA DNV GL  
= ISO 9001 =**