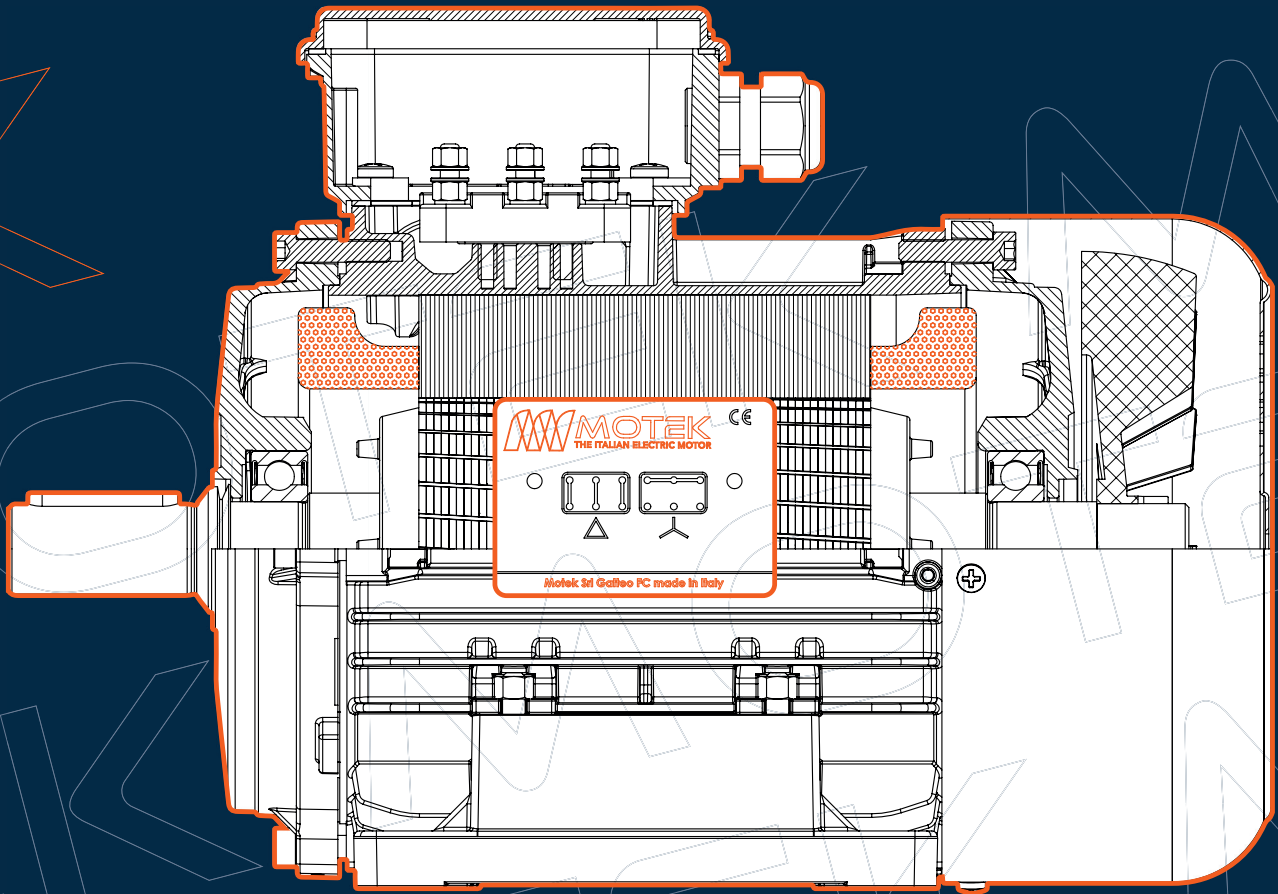




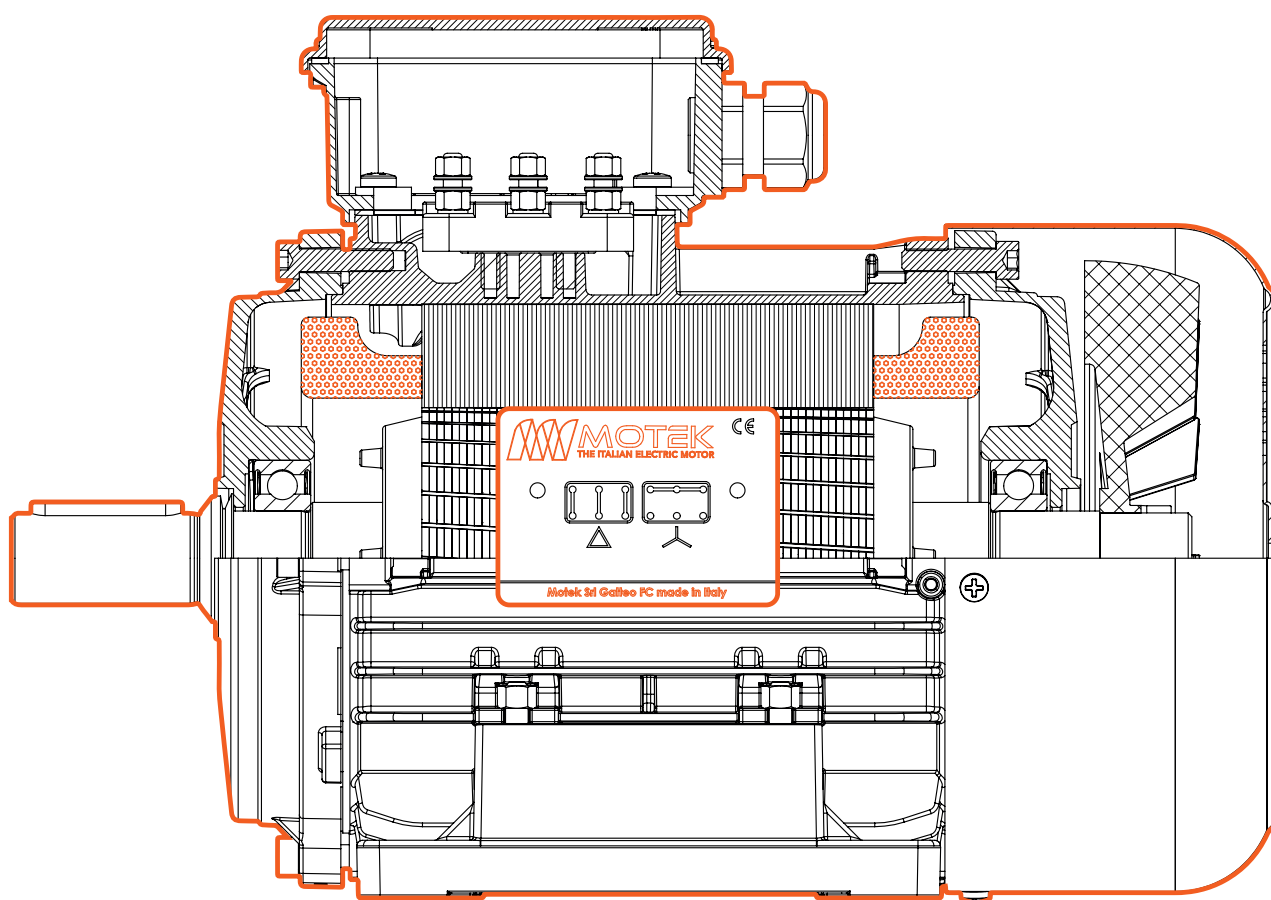
MOTeK[®]
THE ITALIAN ELECTRIC MOTOR



CATALOGO GENERALE
GENERAL CATALOGUE



CATALOGO GENERALE
GENERAL CATALOGUE







PROGETTIAMO E COSTRUIAMO MOTORI ELETTRICI IN ITALIA PER SCELTA, UNA SCELTA DI QUALITÀ.

*WE DESIGN AND BUILD
ELECTRIC MOTORS IN ITALY FOR CHOICE,
A QUALITY CHOICE.*

MOTeK è una giovane azienda nata dalla passione di un team di tecnici esperti e dinamici. La nostra trentennale attività nel campo della progettazione di motori elettrici ci rende una realtà con un ricco bagaglio di esperienza.

Dal 2010 MOTeK progetta, sviluppa, produce e commercializza motori elettrici di alta qualità (asincroni, monofase e trifase ad una ed a due velocità, con o senza freno).

Tutti i motori MOTeK sono prodotti interamente in Italia per poter garantire uno standard sempre conforme alle aspettative del committente. Obiettivo della nostra azienda è quello di garantire la massima qualità del prodotto, funzionalità, efficienza ed un'assistenza sempre efficace e disponibile.

Motek è una perfetta sintesi fra tradizione e Innovazione. Tradizione per noi significa affermare i valori che da sempre hanno caratterizzato le piccole e medie imprese Italiane.

Valori come la dedizione con la quale produciamo i nostri motori. La passione che ci aiuta tutti i giorni a vivere a pieno un ambiente stimolante. La cura artigianale che non lascia nulla al caso, ma garantisce qualità e attenzione al cliente. Innovazione perché in ogni prodotto cerchiamo soluzioni avanzate superando il concetto di standard.

MOTeK è oltre lo standard perché ha nel suo dna la convinzione che il proprio traguardo sia la soddisfazione del cliente attraverso una gamma di soluzioni sempre all'avanguardia. Nel 2014 Motek ha acquisito SEIMEC, marchio riconosciuto come leader nella produzione di motori a basso interesse grazie ai quali ha potuto farsi apprezzare in tutto il mondo.

La certificazione **UL/CSA** permette a MOTeK di soddisfare quella particolare clientela con l'esigenza di espandersi sui mercati Nordamericani.

MOTeK is a young company which was established by a team of expert, dynamic engineers. Thanks to our three-decade-long expertise in designing electric motors we are a organisation built on a solid foundation of knowledge and experience.

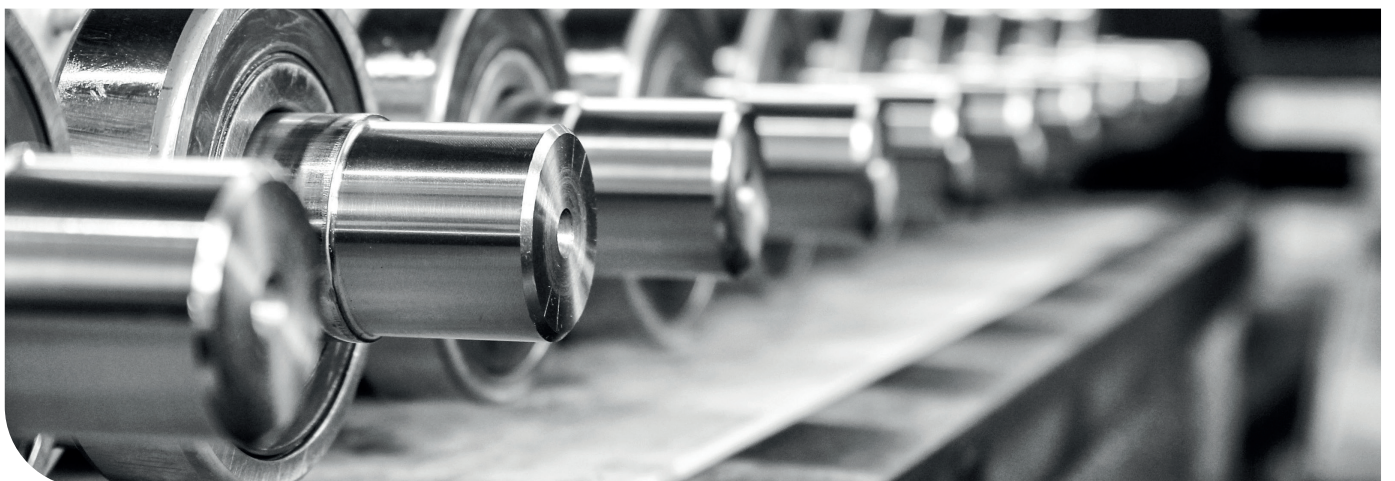
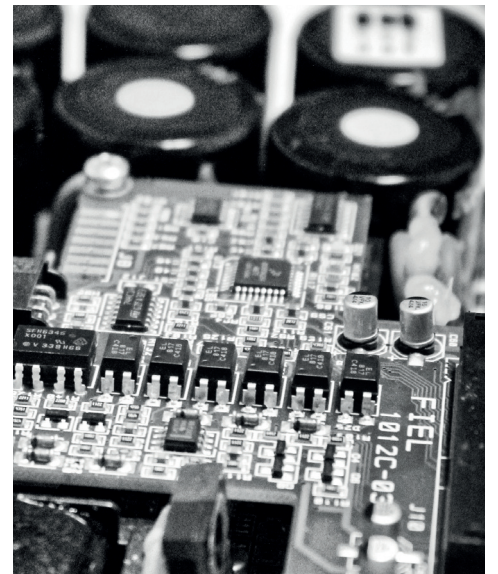
Since 2010 MOTeK has been designing, developing, manufacturing, and marketing high quality electric motors - asynchronous, single phase and three phase motors, single-speed and two-speed motors, with and without brakes.

All MOTeK's motors are entirely manufactured in Italy, in order to make sure that the customer's highest expectations are fully met at any time. We are dedicated to ensuring top product quality, functionality, and efficiency as well as efficient, friendly customer care.

Motek stands for the perfect blend of Tradition and Innovation. To us, tradition signifies those fundamental values which have always distinguished small and medium-sized Italian enterprises. These values include the dedication with which our motors are manufactured, and the passion which permeates our working environment every day. Our unique craftsmanship ensures the high quality and close attention to details required by our customers. Innovation is evident in the care devoted to seeking advanced solutions for each product, exceeding the basic industry standards.

At MOTeK we firmly believe that our top priority is to achieve customer satisfaction through state-of-the-art solutions. In 2014 Motek acquired SEIMEC, a market-leading manufacturer of low-centre motors which have made Motek popular worldwide.

MOTeK's **UL/CSA** certification is specially conceived for customers wishing to expand into North-American markets.





LA RICERCA COME RISPOSTA ALL'EVOLUZIONE DEL MERCATO

*RESEARCH AS A RESPONSE
TO THE EVOLUTION OF THE MODERN MARKETPLACE*

MOTeK MOTORS opera in un mercato estremamente competitivo in cui è riuscita ad emergere per la qualità dei motori, che progetta e produce direttamente, ed offerta al cliente, sia dal punto di vista meccanico che elettrico.

Grazie a questa specifica caratteristica MOTeK MOTORS riesce a dare risposte a quella clientela che necessita di **motori speciali** per coprire le esigenze elettriche di mercati extra-europei (tensione e frequenza di alimentazione diversa dallo standard) oppure fornire **soluzioni per applicazioni su cui servono specialità meccaniche** (freno, ventilazione ausiliaria, encoder, albero speciale, flangia speciale, ecc).

MOTeK MOTORS è in grado di soddisfare tutti quei clienti che ricercano un prodotto di qualità per completare il proprio progetto.

I nostri tecnici, collaborando direttamente con i progettisti del committente, mettono a disposizione tutte le informazioni necessarie per la realizzare in-

MOTeK MOTORS works in extremely competitive markets where it has been able to stand out due to the quality of its motors. Motek's motors are designed and manufactured in-house, thanks to the major customization opportunities offered to customers both in mechanical and electrical terms.

This enables MOTeK MOTORS to successfully meet the needs of those customers requiring **special motors** with either specific electrical requirements for extra-European markets – different voltage and frequency from the norm – or **specific mechanical requirements for special applications** – e.g. brakes, auxiliary ventilation, encoders, special shafts, special flanges, etc.

MOTeK MOTORS can meet the needs of those clients seeking a quality product for completing a specific project.

Our engineers are willing to collaborate with the customer's own designers in order to provide them

PUNTI DI FORZA STRENGTHS

1

Motori equipaggiati con freno il freno complica la progettazione e l'assemblaggio e l'assistenza. Motek vanta esperienza in questo campo.

Brake-equipped motors: the brake complicates design, assembly and service. MoTek has experience in this field.

2

Motori monofase a singola e doppia tensione, motori a due velocità.

Single and dual voltage single-phase motors.

3

Motori ad ingombro ridotto (Seimec) per settori taglio legno, alluminio, e materiali vari, fresatura ecc.

Space-saving motors (Seimec) for cutting wood, aluminium and various materials, milling etc.

I NOSTRI MOTORI SONO MARCATI CE

MOTeK da sempre assicura che tutti i suoi motori rispettino i **RES**, requisiti essenziali di sicurezza prescritti dalla Direttiva Bassa Tensione attraverso la dichiarazione **CE-EMC**.

L'adozione di questa certificazione conferma che tutti i motori MOTeK rispettano in tutto e per tutto i requisiti di sicurezza indicati dalle stringenti Direttive Europee.

I NOSTRI MOTORI SONO CERTIFICATI UL E CSA

La certificazione UL e CSA è motivo di orgoglio per MOTeK. Possiamo fregiarci di questa importante certificazione raggiunta dopo un iter complesso e molto selettivo, sia per quanto concerne l'ottenimento che per il mantenimento.

Il marchio che i nostri clienti potranno vedere sui nostri motori è UR + la desinenza **C-US** che indica la piena soddisfazione dei requisiti richiesti sia dal mercato statunitense (US) che da quello Canadese (C). Il mantenimento di questo prestigioso riconoscimento presuppone che MOTeK sia soggetta periodicamente e senza preavviso a visite ispettive da parte dell'ente omologatore per controllare sia il processo produttivo che i componenti utilizzati per la fabbricazione dei motori su cui è apposto il marchio.

Il file UL dei nostri prodotti è il no. **E365718**, la lista completa dei prodotti certificati è consultabile on-line dal sito del certificatore.

I NOSTRI MOTORI SONO AD ALTO RENDIMENTO IE3 IE2

I motori elettrici, per la loro grande diffusione in ambito sia industriale che domestico, contribuiscono a ridurre i consumi energetici mondiali.

Proprio per questo motivo la comunità europea ha disposto il Regolamento Europeo 640/2009 stabilendo le classi di rendimento normalizzate per i motori elettrici trifase standard e i relativi metodi di misura la cui applicazione richiede una sala prove equipaggiata con strumentazione con specifica classe di precisione.

MOTeK, da sempre impegnata nella battaglia per l'abbattimento dei consumi, ha progettato e produce una completa gamma di motori in grado di soddisfare pienamente questi requisiti.

Ma non solo. MOTeK si è inoltre dotata di una propria sala prove in grado di effettuare tutte le verifiche in conformità al metodo normalizzato.

OUR MOTORS ARE CE MARKED

MOTeK has always ensured that all its motors comply with **RES**, essential safety requirements prescribed by the Low Voltage Directive through the **CE-EMC** declaration.

Having this certification confirms that all MOTeK motors fully comply with the stringent safety requirements of European Directives.

OUR MOTORS ARE UL AND CSA CERTIFIED

UL/CSA certification is the flagship of MOTeK's production. We pride ourselves in this important certification – hard to attain and maintain – which we achieved after a very selective, complex process.

Our motors come with a UR + the suffix C-US mark, meaning that the motor fully complies with all requirements of the US as well as the Canadian (C) market.

In order to retain this prestigious award MOTeK is subject to periodic, unannounced inspections by the approving committee in order to check production processes as well as the components used for manufacturing of the marked motors.

The UL file number for our products is E365718. For the full list of our certified products please visit the UL website.

OUR MOTORS ARE HIGH OR PREMIUM EFFICIENCY MOTORS IE3 IE2

Due to their widespread applications across multiple domestic and industrial sectors, these motors play a crucial role in reducing power consumption worldwide.

For this reason, the European Community has adopted the European Regulation 640/2009, which has established standardized efficiency classes for standard three-phase electric motors and the related measurement methods. The application of such a regulation requires a test room equipped with instrumentation with specific precision class.

MOTeK has always spearheaded the battle for consumption savings, so it is the designer and manufacturer of a full range of motors capable of fully meeting these requirements.

And that's not all. MOTeK has set up its own test room capable of carrying out all the checks in accordance with the standard method.

NORMATIVE INTERNAZIONALI

INTERNATIONAL STANDARDS

NORMATIVE INTERNAZIONALI		
IEC 60034-1	Caratteristiche nominali di funzionamento	Rating and performance
IEC 60034-2	Metodi per la determinazione delle perdite e del rendimento	Methods for determining losses and efficiency
IEC 60034-5	Grado di protezione	Degrees of protection
IEC 60034-6	Metodi di raffreddamento	Methods of cooling
IEC 60034-7	Forme costruttive	Mounting arrangement
IEC 60034-8	Contrassegno dei terminali e senso di rotazione	Terminal markings and direction of rotation
IEC 60034-9	Limiti di rumorosità	Noise limits
IEC 60034-11	Protezione termica	Thermal protection
IEC 60034-12	Caratteristiche di avviamento	Starting performance
IEC 60034-14	Vibrazioni meccaniche	Mechanical vibrations
IEC 60034-30	Classi di efficienza	Efficiency classes
IEC 60038	Voltaggi unificati	standard voltages
IEC 60072-1	Caratteristiche dimensionali	Size and dimension

CERTIFICAZIONI

CERTIFICATIONS

DECLARATION OF CONFORMITY
Mottek S.p.A. Via G. Verga 17 - 47043 Gattuso FC

UNDER THE SOLE RESPONSIBILITY HEREWITH DECLARES THAT THE FOLLOWING PRODUCTS:

IE1 Interglobe synchronous motors
 IE2 Interglobe asynchronous 15, squirrel
 IE3 Interglobe asynchronous motors with efficiency level IE2 and IE3
 IE4 Interglobe asynchronous motors with high efficiency
 IE5 Interglobe asynchronous motors with high torque AC motor
 IE6 Interglobe asynchronous motors with high torque AC motor
 IE7 Interglobe asynchronous motors with high torque AC motor
 IE8 Interglobe asynchronous motors with high torque AC motor
 IE9 Interglobe asynchronous motors with high torque AC motor
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 IE48 Interglobe asynchronous motors with high torque AC motor
 IE49 Interglobe asynchronous motors with high torque AC motor
 IE50 Interglobe asynchronous motors with high torque AC motor

ARE IN CONFORMITY WITH THE DIRECTIVES
2014/52/EU (EMV), 2014/30/EU (EMC), 2011/65/EU (RoHS) and 2006/66/EC (Batteries)

AND THAT IN THE PLANNING AND THE CONSTRUCTION PROCESS STANDARDS REFERENCED BELOW HAVE BEEN APPLIED

EN 60034-1 (2015) - EN 60034-5 (2021) - EN 60034-6 (1997) - EN 60034-7 (2001) - IEC 60034-30-1 (2014)

Gattuso 06/06/2022 Mottek

Dichiarazione conformità
Conformity Declaration

CERTIFICATE OF COMPLIANCE

Certificate Number: E365718
 Report Reference: E365718 - 20140506
 Issue Date: 2019-DECEMBER-10

Issued to: Mottek Srl
 Via Giovanni Verga 17 47043 Gattuso FC ITALY

This certificate confirms that representative samples of COMPONENT - MOTORS
 See next page for Motors

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL, LLC.

Standards for Safety: UL 1004-1, Rotating Electrical Machines - General Requirements
 CSA C22.2 No. 100-M, Motors and Generators
 See the UL Online Certifications Directory at <https://ul.com/certification> for additional information.

Additional Information:
 This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Service Procedure provides authorization to apply the UL Mark.
 Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Service.
 Look for the UL Recognized Component Mark on the product.

Page 1 of 2

Certificato UL
Certification UL/CSA

CERTIFICATO
Nr. 50 '00 16655

IL SISTEMA DI GESTIONE PER LA QUALITÀ DI THE QUALITY MANAGEMENT SYSTEM OF MOTTEK S.r.l.

SEDE LEGALE E OPERATIVA:
 VIA G. VERGA 17
 IT - 47043 GATTUSO (FC)

È CONFORME AI REQUISITI DELLA NORMA HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF UNI EN ISO 9001:2015

QUESTO CERTIFICATO È VALIDO FINNÈ, SEGUENTE CUORIO DI APPLICAZIONE. THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE OF APPLICATION:

Progettazione e fabbricazione di motori elettrici asincroni (MPE 18)
 Design and manufacturing of induction electric motors (MPE 18)

Per l'Organismo Certificatore For the Certification Body: ACCREDITIA S.p.A. / TÜV RHEINLAND S.r.l.
 Validità / Validity: Dal / From: 2022-06-16
 Al / To: 2025-06-15

SGQ N° 0454
 Responsabile della Certificazione: [Signature]
 Data emissione / Issuing Date: 2022-06-16

LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA ALLA CONFORMITÀ CON I REQUISITI DELLA NORMA. IL RESPONSABILE DEL PRESENTE CERTIFICATO È RESPONSABILE DELLA CONFORMITÀ CON I REQUISITI DELLA NORMA. THE VALIDITY OF THE PRESENT CERTIFICATE IS SUBORDINATED TO THE CONFORMANCE WITH THE REQUIREMENTS OF THE STANDARD. THE RESPONSIBILITY OF THE PRESENT CERTIFICATE IS THE RESPONSIBILITY OF THE CERTIFICATION BODY.

TUV Italia • Gruppo TÜV SÜD • Via Cavallotti 120, Tel. 02 • 20090 Sesto San Giovanni (MI) • Italia • www.tuv.it TÜV

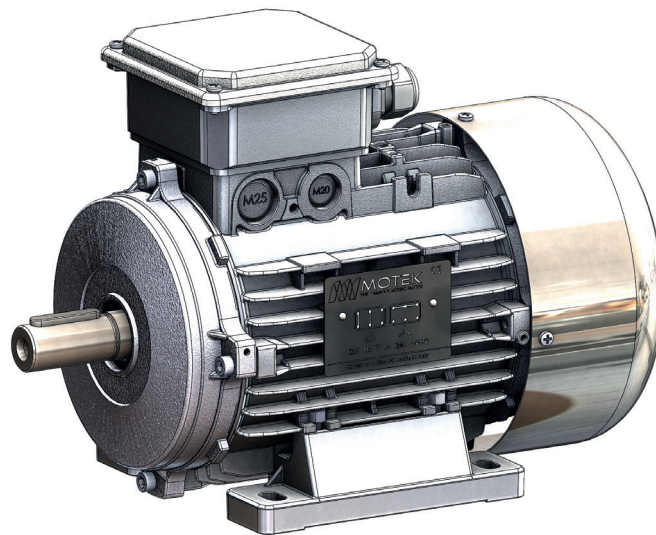
Certificato ISO9001
Certification ISO9001

MOTORI TRIFASE

THREE PHASE MOTORS

Motori Trifase di uso generale con rendimento standard e dimensioni normalizzate
Grandezza da IEC56 a IEC132. Tensione nominale non superiore a 690V. Conformi alla IEC 60072-1.

Three phase motors for general use with standard output and standard dimensions.
Sizes from IEC56 to IEC132. Rated voltage: 690V and below. Compliant with IEC 60072-1 standard.



Standard produttivi: DPSTD standard - Construction standards

Installazione <i>Mounting Arrangement</i>	B3 - B5 - B14	
Orientamento morsetteria <i>Terminal Box Position</i>	BS - bassetta superiore <i>On Top BS</i>	
Copertura collegamenti <i>Terminal Box Type</i>	2CA - 2 componenti in Alluminio <i>2 Aluminium Components (Box + Cover)</i>	
Alimentazione <i>Voltage / Frequency</i>	230/400 V - 50Hz (P _n ≤ 3 kW) 400/690 V - 50Hz (P _n > 3 kW)	400 V - 50 Hz
Grado di protezione <i>IP Protection Degree</i>	IP55 - (V-ring)	
Grado di servizio <i>Duty Efficiency</i>	S1 - (IE2 - IE3) / S6-60% -(IE1)	
Isolamento avvolgimento <i>Winding Insulation</i>	F	
Cuscinetti <i>Bearings</i>	2RS	
Serraggio motore <i>End-Shields Assembly</i>	Borchie <i>Bosses and Bolts</i>	
Copriventola <i>Fan Conver</i>	Lamiera zincata <i>Galvanized steel sheet</i>	



IE1

3000 rpm 2 poli 50 HZ

Type	Pn (kW)	n (rpm)	In (400V)	cos φ	φ (%)	Mn (Nm)	Mm/Mn (Nm)	Ms/Mn (Nm)	Is/In (A)	Weight (Kg)	J (Kg m ²)
ET56a-2	0.09	2770	0.35	0.72	55.00	0.31	3.00	2.80	3.50	3.40	0.00008
ET56a-2	0,135	0,135	0,135	0,135	0,135	0,135	0,135	0,135	0,135	0,135	0,135
ET63a-2	0.18	2810	0.58	0.70	64.00	0.63	3.00	2.70	3.80	4.10	0.00013
ET63b-2	0.25	2830	0.85	0.70	68.00	0.84	3.30	3.40	4.20	4.40	0.00015
ET63c-2	0.37	2800	1.10	0.75	68.00	1.26	2.90	2.80	4.10	4.90	0.00017
ET63d-2	0.55	2750	1.70	0.70	65.00	1.90	3.50	3.40	3.90	0.00	0.00020
ET71a-2	0.37	2820	1.10	0.77	66.00	1.25	3.00	2.80	4.30	5.80	0.00020
ET71b-2	0.55	2800	1.40	0.80	72.00	1.90	2.50	2.70	4.50	6.50	0.00027
ET71c-2	0.75	2840	1.90	0.75	72.00	2.50	3.90	4.00	5.30	7.60	0.00033
ET80a-2	0.75	2800	1.90	0.79	72.00	2.50	3.30	3.40	5.30	8.40	0.00039
ET80b-2	1.10	2815	2.80	0.77	73.00	3.70	3.00	3.10	4.80	11.00	0.00051
ET80c-2	1.50	2800	3.90	0.75	75.00	5.12	3.40	3.00	4.60	10.50	0.00068
ET80d-2	1.85	2780	4.65	0.76	75.00	6.40	3.30	3.00	4.50	11.40	0.00078
ET90Sa-2	1.50	2840	3.80	0.78	76.00	5.00	3.30	3.00	4.50	12.30	0.00093
ET90Sb-2	1.85	2830	4.50	0.79	75.00	6.24	3.30	3.00	5.00	12.80	0.00093
ET90La-2	2.20	2830	4.80	0.86	77.00	7.42	2.80	2.80	5.20	13.80	0.00115
ET90Lb-2	3.00	2860	6.40	0.85	80.00	10.00	3.20	3.00	6.00	17.50	0.00142
ET100La-2	3.00	2855	6.60	0.83	80.00	10.00	3.40	3.20	6.20	19.70	0.00211
ET100Lb-2	4.00	2860	8.50	0.81	84.00	13.30	3.50	3.00	7.10	24.00	0.00272
ET100Lc-2	5.00	2870	12.00	0.81	83.00	16.50	3.50	3.10	7.00	25.00	0.00300
ET112Ma-2	4.00	2890	9.30	0.80	80.00	13.20	3.40	3.00	6.20	25.70	0.00317
ET112Mb-2	5.50	2900	12.00	0.81	82.00	18.10	3.30	3.10	6.30	31.70	0.00434
ET112Mc-2	7.50	2880	16.50	0.80	82.00	24.80	3.50	3.00	7.00	34.40	0.00484
ET132Sa-2	5.50	2900	12.30	0.82	81.00	18.10	3.20	3.00	6.90	36.50	0.00744
ET132Sb-2	7.50	2920	15.40	0.83	85.00	24.50	3.50	3.20	7.40	42.50	0.00910
ET132Sc-2	9.20	2900	18.60	0.85	84.00	30.30	3.30	3.20	6.50	48.00	0.01062
ET132Ma-2	11.00	2925	21.60	0.85	87.00	35.90	3.40	3.30	7.00	52.50	0.01146
ET132Mb-2	15.00	2910	28.70	0.86	88.00	49.20	3.50	3.00	7.50	59.00	0.01380

1500 rpm 4 poli 50 HZ

ET56b-4	0.09	1340	0.48	0.63	43.00	0.65	2.20	2.20	2.10	4.10	0.00011
ET56c-4	0.12	1310	0.53	0.68	43.00	0.87	2.20	2.30	2.50	4.10	0.00011
ET63a-4	0.14	1360	0.52	0.65	58.00	0.98	2.20	2.30	2.50	4.00	0.00016
ET63b-4	0.18	1350	0.70	0.68	55.00	1.31	2.40	2.40	2.80	4.60	0.00020
ET63c-4	0.25	1380	0.90	0.70	54.00	1.81	2.40	2.50	2.80	5.00	0.00023
ET71a-4	0.25	1400	0.85	0.68	63.00	1.71	2.70	2.60	3.60	6.00	0.00058
ET71b-4	0.37	1380	1.15	0.72	64.00	2.56	2.60	2.50	4.00	6.60	0.00065
ET71c-4	0.55	1350	1.60	0.76	65.00	3.95	2.50	2.40	3.80	7.70	0.00087
ET80a-4	0.55	1400	1.48	0.80	67.00	3.75	2.30	2.20	4.20	8.00	0.00124
ET80b-4	0.75	1400	2.10	0.78	72.00	5.10	2.40	2.30	5.00	9.70	0.00167
ET80c-4	1.10	1400	2.80	0.80	72.00	7.53	2.20	2.00	4.40	10.00	0.00185
ET90S-4	1.10	1400	2.80	0.82	70.00	7.67	2.30	2.30	4.30	12.40	0.00168
ET90La-4	1.50	1415	3.90	0.74	75.00	10.16	2.70	2.80	4.50	14.50	0.00217
ET90Lb-4	1.85	1400	4.40	0.78	78.00	12.60	2.90	2.70	5.00	15.50	0.00257
ET90Lc-4	2.20	1400	5.50	0.78	78.00	15.00	2.80	2.70	5.50	16.50	0.00300
ET100La-4	2.20	1420	5.40	0.77	77.00	14.90	2.50	2.10	4.70	18.50	0.00335
ET100Lb-4	3.00	1415	7.10	0.80	79.00	20.30	2.70	2.60	5.30	21.40	0.00463
ET100Lc-4	4.00	1400	9.00	0.84	77.00	27.30	2.50	2.20	4.60	23.50	0.00508
ET112Ma-4	4.00	1420	8.80	0.81	81.00	26.90	2.70	2.50	5.20	28.50	0.00957
ET112Mb-4	5.50	1400	11.60	0.83	82.00	37.80	2.50	2.45	5.70	33.20	0.01125
ET132S-4	5.50	1420	11.50	0.85	81.00	36.80	2.70	2.60	5.10	42.00	0.01803
ET132Ma-4	7.50	1450	14.50	0.74	84.00	49.40	3.10	2.50	5.30	52.50	0.02218
ET132Mb-4	9.20	1445	18.70	0.82	87.00	60.80	2.90	2.30	5.90	56.50	0.02436
ET132Mc-4	11.00	1425	22.30	0.85	84.00	73.70	2.20	2.30	4.60	60.00	0.02672

1000 rpm 6 poli 50 HZ

ET63b-6	0.12	850	0.67	0.65	40.00	1.35	1.80	1.80	2.00	5.00	0.00023
ET71a-6	0.18	900	0.85	0.62	52.00	1.96	2.10	2.10	2.60	6.60	0.00065
ET71b-6	0.25	910	1.05	0.62	55.00	2.62	2.20	2.20	2.50	7.70	0.00087
ET80a-6	0.37	865	1.25	0.79	55.00	4.08	1.80	1.60	2.90	8.30	0.00140
ET80b-6	0.55	870	1.70	0.80	60.00	6.04	1.90	1.70	3.00	10.00	0.00186
ET90S-6	0.75	915	2.20	0.71	71.00	7.83	2.20	2.00	3.30	12.00	0.00266
ET90L-6	1.10	900	3.30	0.73	77.00	11.67	2.20	2.10	3.30	14.30	0.00250
ET100L-6	1.50	950	4.10	0.70	75.00	15.10	2.70	2.10	4.70	19.00	0.00562
ET112M-6	2.20	955	5.30	0.77	78.00	22.00	2.60	1.50	5.10	30.00	0.01333
ET132S-6	3.00	955	7.40	0.78	75.00	30.00	2.50	1.60	4.70	40.00	0.02187
ET132Ma-6	4.00	950	9.00	0.79	81.00	40.20	2.70	1.70	5.10	46.40	0.02541
ET132Mb-6	5.50	950	11.90	0.80	84.00	55.30	2.30	1.30	2.70	52.50	0.03068



Standard produttivo IP55 V = 230/400V (Pn ≤ 3 kW), V = 400/690V (Pn > 3 kW) | Manufacturing Standard IP55 V = 230/400V (Pn ≤ 3 kW), V = 400/690V (Pn > 3 kW)
 Classe efficienza IE1 = utilizzabili in servizio S6 40% (IEC 60034 - 1) | Efficiency Class IE1 = usable on Duty S6 40% (IEC 60034 - 1)



IE2

3000 rpm 2 poli 50 HZ

Type	Pn (kW)	n (rpm)	In (400V)	cos φ	φ (%)	Mn (Nm)	Mm/Mn (Nm)	Ms/Mn (Nm)	Is/In (A)	Weight (Kg)	J (Kg m ²)
ETH80b-2	1.10	2825	2.34	0.83	82.00	3.72	3.20	2.90	4.80	10.50	0.00051
ETH90Sa-2	1.50	2900	3.32	0.77	84.80	4.94	3.40	3.00	3.00	12.30	0.00093
ETH90La-2	2.20	2895	4.74	0.78	85.90	7.26	2.60	2.60	5.40	15.00	0.00115
ETH100La-2	3.00	2895	6.02	0.83	86.80	9.90	3.40	3.20	6.20	20.00	0.00211
ETH112Ma-2	4.00	2930	7.68	0.87	86.80	13.04	3.40	3.00	6.20	30.00	0.00317
ETH112Mb-2	5.50	2925	11.30	0.81	87.10	17.96	3.20	3.10	5.80	34.00	0.00484
ETH132Sa-2	5.50	2935	10.78	0.85	87.00	17.90	3.00	3.00	6.90	42.00	0.00744
ETH132Sb-2	7.50	2940	14.31	0.86	88.30	24.36	3.90	3.30	7.40	48.00	0.00910

1500 rpm 4 poli 50 HZ

ETH80b-4	0.75	1435	1.72	0.77	81.60	4.99	2.40	2.30	5.00	11.50	0.00168
ETH90S-4	1.10	1420	2.66	0.73	81.80	7.40	2.10	2.10	4.30	12.50	0.00168
ETH90La-4	1.50	1430	3.60	0.72	83.70	10.02	2.90	2.80	4.50	18.50	0.00217
ETH100La-4	2.20	1435	4.75	0.79	84.80	14.64	2.50	2.10	4.70	21.00	0.00335
ETH100Lb-4	3.00	1425	6.33	0.80	85.60	20.11	2.60	2.50	4.90	25.00	0.00600
ETH112Mb-4	4.00	1435	7.95	0.84	86.80	26.62	2.90	2.60	5.20	33.00	0.00957
ETH132S-4	5.50	1450	11.75	0.77	88.10	36.22	2.60	2.50	5.10	48.00	0.01803
ETH132Ma-4	7.50	1450	15.91	0.77	88.70	49.40	3.10	2.50	5.30	56.00	0.02218

1000 rpm 6 poli 50 HZ

ETH90S-6	0.75	934	2.00	0.71	76.20	7.67	2.20	2.20	3.30	14.00	0.00266
ETH100La-6	1.10	930	2.83	0.72	78.10	11.30	2.30	2.20	4.50	20.00	0.00450
ETH100Lb-6	1.50	930	3.72	0.73	79.80	15.40	2.70	2.10	4.70	25.00	0.00562
ETH112M-6	2.20	935	5.11	0.76	81.80	22.47	2.60	1.50	5.10	35.00	0.01333
ETH132S-6	3.00	940	7.13	0.73	83.30	30.48	2.50	1.60	4.70	45.00	0.02187

IE3

3000 rpm 2 poli 50 HZ

Type	Pn (kW)	n (rpm)	In (A)	cos φ	φ (%)	Mn (Nm)	Mm/Mn (Nm)	Ms/Mn (Nm)	Is/In (A)	Weight (Kg)	J (Kg m ²)
ET3H80b-2	1.10	2825	2.37	0.81	82.70	3.72	3.20	3.10	4.90	10.50	0.00065
ET3H80c-2	1.50	2825	3.22	0.80	84.20	5.07	3.40	3.30	4.00	12.30	0.00105
ET3H90Sa-2	1.50	2900	3.22	0.80	84.20	4.94	3.40	3.00	4.50	15.00	0.00125
ET3H90La-2	2.20	2895	4.57	0.81	85.90	7.26	3.10	3.00	5.10	20.00	0.00140
ET3H100La-2	3.00	2895	6.22	0.80	87.10	9.90	3.40	3.30	5.00	25.00	0.00250
ET3H100Lb-2	4.00	2895	8.00	0.82	88.10	13.20	3.20	3.00	5.40	30.00	0.00350
ET3H112Ma-2	4.00	2930	7.90	0.83	88.10	13.04	3.30	3.10	5.80	38.00	0.00400
ET3H112Mb-2	5.50	2925	10.45	0.85	89.50	17.96	3.20	3.00	6.20	42.00	0.00500
ET3H132Sa-2	5.50	2935	10.57	0.84	89.50	17.90	3.40	3.20	6.30	50.00	0.00700
ET3H132Sb-2	7.50	2940	7.90	0.82	90.10	24.36	3.40	3.20	6.90	55.00	0.01000
ET3H132Ma-2	11.00	2940	10.45	0.83	91.20	35.73	3.40	3.20	7.20	65.00	0.02000

1500 rpm 4 poli 50 HZ

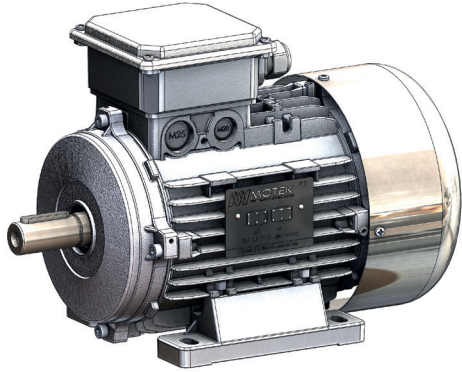
ET3H80b-4	0.75	1435	1.71	0.77	82.50	4.99	2.90	2.40	5.00	11.50	0.00170
ET3H90S-4	1.10	1420	2.59	0.73	84.10	7.40	2.20	2.10	4.30	12.50	0.00200
ET3H90La-4	1.50	1430	3.53	0.72	85.30	10.02	2.80	2.60	4.50	18.50	0.00300
ET3H100La-4	2.20	1435	4.64	0.79	86.70	14.64	2.90	2.40	4.80	21.00	0.00400
ET3H112Mb-4	3.00	1435	5.88	0.84	87.70	19.97	2.60	2.30	4.90	33.00	0.00650
ET3H132S-4	5.50	1450	11.52	0.77	89.60	36.22	2.20	2.20	5.10	48.00	0.01900
ET3H132Ma-4	7.50	1450	15.57	0.77	90.40	49.40	2.90	2.80	5.20	56.00	0.02500

1000 rpm 6 poli 50 HZ

ET3H90S-6	0.75	934	1.93	0.71	78.90	7.67	2.50	2.40	3.50	14.00	0.00300
ET3H100La-6	1.10	930	2.73	0.72	81.00	11.30	2.40	2.40	3.80	20.00	0.00450
ET3H100Lb-6	1.50	930	3.60	0.73	82.50	15.40	2.80	2.70	4.00	25.00	0.00600
ET3H112M-6	2.20	935	4.94	0.76	84.70	22.47	2.80	2.80	4.20	35.00	0.01400
ETH132S-6	3.00	940	6.94	0.73	85.60	30.48	2.50	2.40	4.50	45.00	0.01500
ETH132M-6	4.00	940	9.12	0.73	86.80	40.64	2.80	2.70	5.50	50.00	0.03000



Standard produttivo IP55 V = Servizio S1 V = 230/400V (Pn ≤ 3 kW), V = 400/690V (Pn > 3 kW)
 Manufacturing Standard IP55 V = Duty S1 V = 230/400V (Pn ≤ 3 kW), V = 400/690V (Pn > 3 kW)



3000/1500 rpm 2/4 poli 50 Hz - Unico avvolgimento / One winding

Type	Pn		n		In		cos φ		φ		Mn		Weight	J
	(kW)		(rpm)		(400V)				(%)		(Nm)		(Kg)	(Kg m²)
ED56-2/4	0,11	0,07	2720	1370	0,41	0,33	0,75	0,6	52	52	0,39	0,49	2,8	0,00012
ED63-2/4	0,22	0,15	2760	1400	0,67	0,57	0,88	0,63	54	60	0,76	1	4,7	0,00023
ED71a-2/4	0,3	0,22	2900	1445	1,21	1	0,62	0,57	58	56	0,99	1,45	6,5	0,00065
ED71b-2/4	0,55	0,37	2830	1405	1,3	1,25	0,82	0,62	75	69	1,85	2,5	7,5	0,00065
ED80a-2/4	0,6	0,45	2840	1415	1,7	1,3	0,77	0,74	65	65	1,74	1,35	9,8	0,00081
ED80b-2/4	0,8	0,6	2875	1420	2,1	2,06	0,77	0,64	70	66	2,66	4	10	0,00102
ED80c-2/4	1,1	0,75	2865	1420	2,77	2,46	0,82	0,66	70	67	3,66	5,04	11,5	0,00121
ED90Sa-2/4	1,5	1,1	2850	1425	4,1	2,9	0,74	0,73	71	76	5	7,4	13	0,00186
ED90Sb-2/4	1,85	1,25	2800	1410	4,5	3,1	0,82	0,76	73	77	6,31	8,47	14,5	0,00217
ED90La-2/4	2,2	1,5	2840	1410	5	3,5	0,84	0,79	75	78	7,4	10,15	16,8	0,00252
ED90Lb-2/4	2,5	1,85	2850	1420	5,9	4,64	0,83	0,77	74	75	8,37	12,5	19	0,00270
ED100La-2/4	3	2,2	2850	1410	7,16	5,3	0,82	0,78	74	77	10	14,9	19,5	0,00367
ED100Lb-2/4	4	3	2875	1425	9,8	7,2	0,8	0,79	73	73	13,3	20,1	23	0,00454
ED112M-2/4	4,5	3,3	2865	1430	10,6	7,65	0,88	0,8	70	78	15,1	22,2	31,5	0,00866
ED132Sa-2/4	5,5	4,5	2915	1450	12,9	9,9	0,82	0,81	77	81	18	29,6	42	0,01803
ED132Sb-2/4	7,5	6	2910	1450	18,1	12,9	0,78	0,82	77	82	24,6	39,6	45,5	0,02074
ED132M-2/4	8,1	6,6	2915	1440	17,6	14,4	0,88	0,85	76	78	26,5	47,8	52,9	0,02218

1500/750 rpm 4/8 poli 50 Hz - Unico avvolgimento / One winding

ED71-4/8	0,18	0,09	1440	700	0,74	0,97	0,66	0,57	55	25	1,23	1,23	9,8	0,00087
ED80a-4/8	0,37	0,2	1400	700	0,96	1,1	0,86	0,6	65	45	2,52	2,73	10	0,00186
ED90S-4/8	0,75	0,37	1360	680	1,7	1,7	0,88	0,58	70	53	5,26	5,2	13	0,00186
ED90L-4/8	1	0,5	1375	690	2,2	2,3	0,88	0,56	74	56	6,94	6,92	14,3	0,00217
ED100La-4/8	1,4	0,66	1400	680	3,2	2,5	0,85	0,6	75	63	9,55	9,27	18,5	0,00367
ED100Lb-4/8	1,6	0,9	1390	700	3,5	3,3	0,88	0,6	75	65	11	12,3	21	0,00463
ED112Ma-4/8	1,85	1,1	1420	720	4	4,1	0,87	0,62	76	63	12,4	14,6	27	0,01159
ED112Mb-4/8	2,2	1,4	1440	720	4,6	4,4	0,89	0,66	78	69	14,6	18,6	30	0,01333
ED132S-4/8	3,7	2	1450	720	7,4	7,1	0,9	0,59	83	73	24,4	26,5	45	0,02541
ED132M-4/8	5,1	3	1435	710	10,2	8,3	0,92	0,71	79	74	33,9	40,4	51,8	0,03068

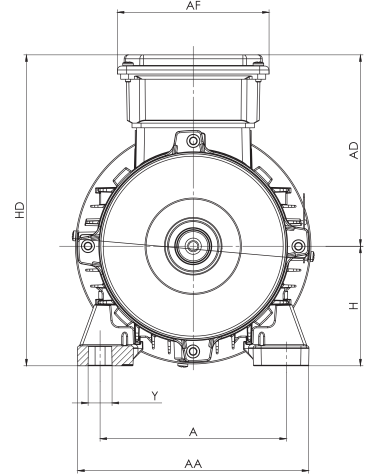
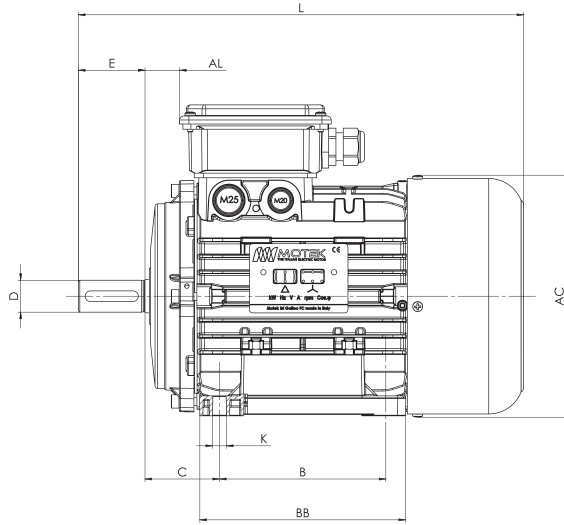
1500/1000 rpm 4/6 poli 50 Hz - Doppio avvolgimento / Two winding

ED71-4/6	0,3	0,22	1430	830	1,2	0,9	0,7	0,74	60	50	2	2,5	6,6	0,00090
ED80-4/6	0,55	0,37	1445	940	1,5	1,2	0,77	0,76	67	50	3,6	3,8	11,5	0,00228
ED90S-4/6	0,75	0,55	1445	945	2,1	1,8	0,77	0,75	66	60	5	5,5	13	0,00186
ED90L-4/6	1,1	0,75	1420	925	2,77	2,37	0,8	0,74	72	62	7,4	7,74	14,7	0,00320
ED100L-4/6	1,5	0,9	1465	965	4,4	2,7	0,7	0,7	70	70	9,8	8,9	22	0,00716
ED112Ma-4/6	1,85	1,32	1465	965	4,6	3,6	0,8	0,75	72	70	12	12,9	28	0,01159
ED112Mb-4/6	2,2	1,5	1450	970	4,6	3,75	0,85	0,75	81	77	14,4	14,9	30,5	0,01333
ED132S-4/6	3,3	2,2	1460	970	7,3	5,7	0,83	0,71	79	78	21,6	21,7	36	0,02523
ED132Ma-4/6	4	2,5	1455	970	9,3	7	0,79	0,66	79	78	26,3	24,6	46	0,02541
ED132Mb-4/6	5,5	4	1460	975	11,2	10	0,87	0,75	82	77	36	39,2	53	0,03068

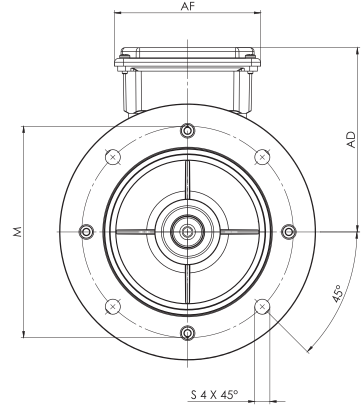
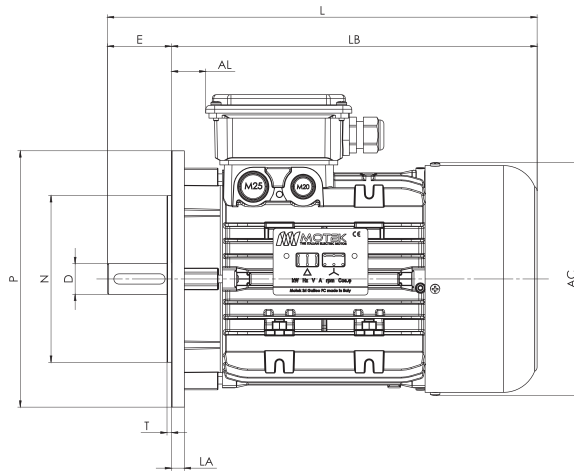




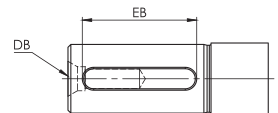
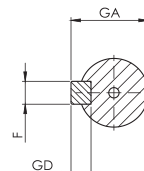
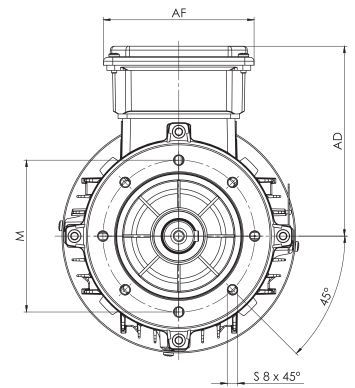
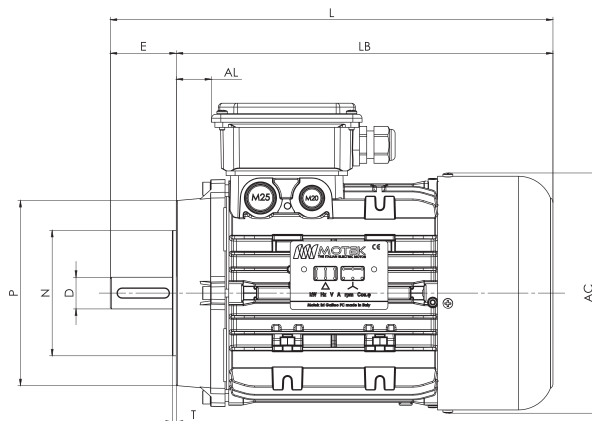
B3



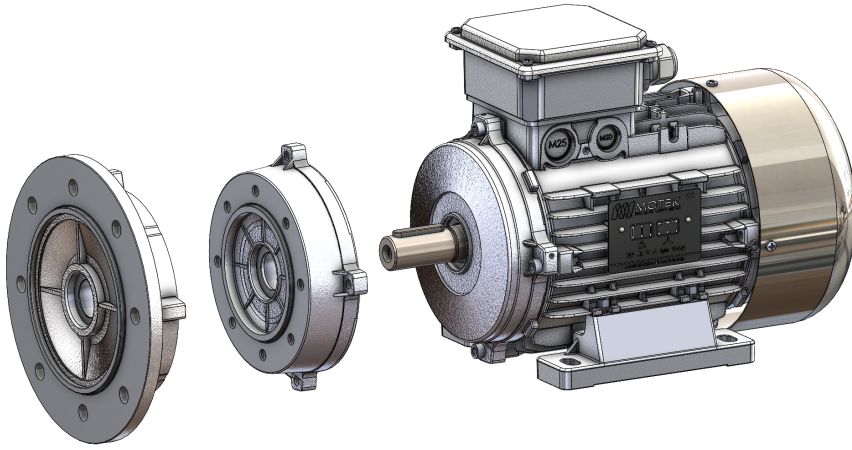
B5



B14



Motori Trifase Three Phase Motors



Tolleranze / Tolerance

D	≤ 28 mm	j6
	38 - 50 mm	k6
N	≤ 230 mm	j6
	> 230 mm	h6
H	≤ 250 mm	+0 / -0,5 mm

DIN 748-7160-7161-42948

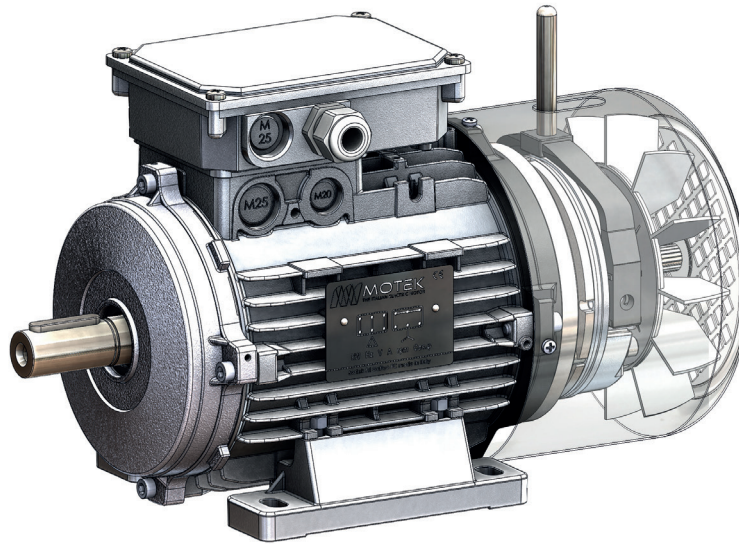
Type	B3																B5						B14										
	A	B	C	D	E	F	H	K	L	Y	AB	AC	AD	AF	AL	BB	DB	EB	GA	GD	HD	LA	LB	M	N	P	S	T	M	N	P	S	T
M56	90	71	36	9	20	3	56	6	189	11	109	115	112	93	13	91	M3	15	10.2	3	168	8	169	100	80	120	7	3	65	50	80	M5	2.5
M63	100	80	40	11	23	4	63	7	210	12	120	123	113	93	19	106	M4	15	12.5	4	176	10	187	115	95	140	10	3	75	60	90	M5	2.5
M71	112	90	45	14	30	5	71	8	245	12	136	147	125	93	24	108	M5	20	16	5	196	9.5	215	130	110	160	10	3	85	70	105	M6	2.5
M80	125	100	50	19	40	6	80	9.5	279	17	160	161	133	111	23	125	M6	30	21.5	6	213	10.5	239	165	130	200	12	3.5	100	80	120	M6	3
M90S	140	100	56	24	50	8	90	9.5	311	17	170	181	138	111	28	131	M8	40	27	7	228	11	261	165	130	200	12	3.5	115	95	140	M8	3
M90L	140	125	56	24	50	8	90	9.5	336	17	170	181	138	111	28	156	M8	40	27	7	228	11	286	165	130	200	12	3.5	115	95	140	M8	3
M100L	160	140	63	28	60	8	100	11	375	21	200	198	149	111	36	170	M10	50	31	7	249	15	315	215	180	250	14.5	4	130	110	160	M8	3.5
M112M	190	140	70	28	60	8	112	11	388	21	225	222	173	124	38	177	M10	50	31	7	285	11.5	328	215	180	250	14.5	4	130	110	160	M8	3.5
M132S	216	140	89	38	80	10	132	11	460	21	260	264	189	124	44	181	M12	70	41	8	321	15	380	265	230	300	14.5	4	165	130	200	M10	4
M132M	216	178	89	38	80	10	132	11	500	21	260	264	189	124	44	220	M12	70	41	8	321	15	420	265	230	300	14.5	4	165	130	200	M10	4

MOTORI TRIFASE FRENANTI

THREE PHASE BRAKE MOTORS

Grandezza da IEC56 a IEC132.
Tensione nominale non superiore a 690V.
Conformi alla IEC 60072-1

Sizes from IEC56 to IEC132.
Rated voltage: 690V and below.
Compliant with IEC 60072-1 standard.



Standard produttivi: DPSTD standard - Construction Standards

Installazione <i>Mounting Arrangement</i>	B3 - B5 - B14	
Orientamento morsettieria <i>Terminal Box Position</i>	BS - basetta superiore <i>On Top BS</i>	
Copertura collegamenti <i>Terminal Box Type</i>	2CA - 2 componenti in Alluminio <i>2 Aluminium Components (Box + Cover)</i>	2CFA - 2 componenti in Alluminio freno <i>2 Aluminium Components FH Type (x FA-FC)</i>
Alimentazione motore <i>Voltage / Frequency</i>	230/400 V - 50 Hz ($P_n \leq 3 \text{ kW}$) 400/690 V - 50 Hz ($P_n > 3 \text{ kW}$)	400 V - 50 Hz
Alimentazione freno <i>Brake Rated Voltage</i>	FP - FC : 230 V (400 V x $P_n > 3 \text{ kW}$)	230/400 V - 50Hz
Raddrizzatore <i>Voltage Rectifier</i>	Semionda <i>Half wave</i>	
Grado di protezione <i>IP Protection Degree</i>	IP54	
Grado di servizio <i>Duty Efficiency</i>	S1	
Isolamento avvolgimento <i>Winding Insulation</i>	F	
Cuscinetti <i>Bearings</i>	2RS	
Serraggio motore <i>End-Shields Assembly</i>	Borchie <i>Bosses and Bolts</i>	
Copriventola <i>Fan Cover</i>	Lamiera zincata <i>Galvanized Steel sheet</i>	

TIPOLOGIE DI FRENI TYPE OF BRAKES

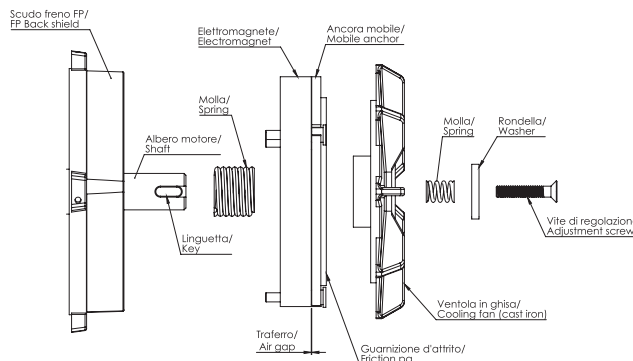


FP - Freno progressivo in corrente continua

FP - Gradual DC Brake

Tipologia di freni adatta alle applicazioni nelle quali sia richiesto un arresto graduale e in sicurezza delle parti in movimento. La coppia frenante è di bassa entità grazie alla singola superficie di attrito, e consente una manovra di arresto progressiva e silenziosa. L'azione frenante è generata dalla pressione di molle che mantengono la guarnizione d'attrito dell'ancora mobile in contatto con la superficie interna della ventola in ghisa.

This type of brake is suitable for applications that require a gradual and safe stop of moving parts. The braking torque is low, thanks to a single friction surface, and allows a gradual and silent stop operation. The braking action is due to the springs pressure which keep the friction gasket of the mobile anchor close to the internal surface of the



FRENO FP - FP BRAKE

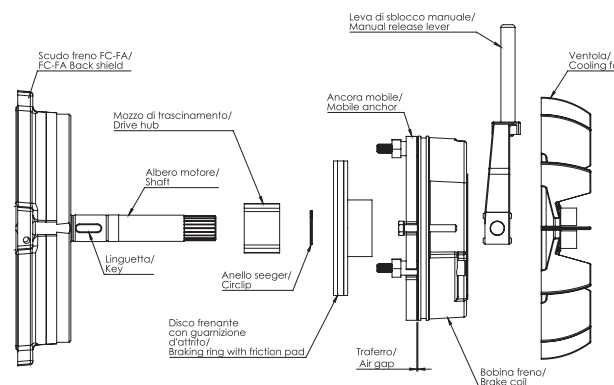
Type	Mf (Nm)	Pa (W)	t a (ms)	t r (ms)	T (mm)
M63	2,5	23	20	40	0,2
M71	4	23	15	100	0,2
M80	9	45	15	120	0,2
M90	9	45	15	120	0,25
M100	12	60	10	200	0,25
M112	12	60	10	200	0,25
M132	30	70	13	215	0,3

FC - Freno ad alta coppia in corrente continua

FC - High-torque DC Brake

Tipologia di freni adatta alle applicazioni di stazionamento e posizionamento poiché caratterizzata da bassa rumorosità, assenza di scorrimento assiale durante la frenata e disponibilità di una leva di sblocco manuale su richiesta. La coppia frenante di alta entità è generata dalla pressione di molle che agiscono su un disco dotato di doppia superficie di attrito. Dal momento che l'azione frenante nasce in assenza di corrente, questa di mantiene anche in condizioni critiche di mancanza di tensione.

This type of brake is suitable for stationary and positioning applications since it is characterized by a low noise level, lack of axial sliding during the braking and availability of a hand release lever on demand. The high braking torque is generated by the springs pressure on a double friction surface disc. Since the braking action is generated in



FRENO FC - FC BRAKE

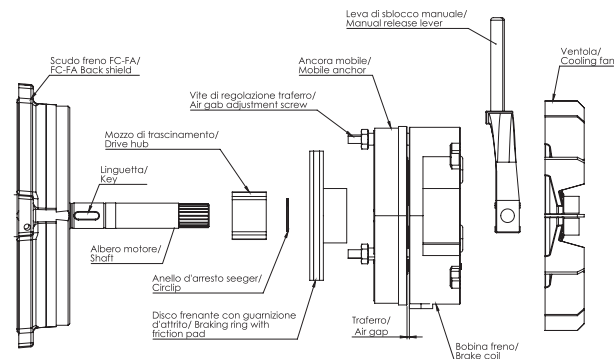
Type	Mf (Nm)	Pa (W)	t a (ms)	t r (ms)	T (mm)
M63	4,5	15	10	45	0,2
M71	4,5	15	10	45	0,2
M80	8	20	15	50	0,2
M90	16	30	15	65	0,2
M100	35	45	20	75	0,2
M112	55	60	25	180	0,3
M132	90	70	50	200	0,3

FA - Freno ad alta coppia in corrente alternata

FA - High-torque AC Brake

I freni di tipo FA hanno prestazioni e applicazioni generalmente simili agli FC. Tuttavia questi freni consentono di effettuare un maggior numero di interventi orari, essendo dotati di una bobina elettromagnetica in corrente alternata. Anche questa tipologia è caratterizzata dalla disponibilità di una leva di sblocco manuale su richiesta.

The FA brakes are mostly similar in performances and applications to the FC type. However, these brakes allow more operations per hour, thanks to the AC electromagnetic coil. This type is also available with a hand release lever on demand.



FRENO FA - FA BRAKE

Type	Mf (Nm)	Pa (W)	t a (ms)	t r (ms)	T (mm)
M63	4,5	55	< 10	< 10	0,2
M71	4,5	55	< 10	< 10	0,2
M80	10	95	< 10	< 10	0,2
M90	20	150	< 10	< 10	0,2
M100	40	185	< 10	< 10	0,3
M112	60	380	< 10	< 10	0,3
M132	90	500	< 10	< 10	0,3



3000 rpm 2 poli 50 HZ											
Type	Pn	n	In	cos φ	φ	Mn	Mm/Mn	Ms/Mn	Is/In	Weight	J
	(kW)	(rpm)	(400V)		(%)	(Nm)	(Nm)	(Nm)	(A)	(Kg)	(Kg m ²)
ET63b-2	0.25	2830	0.85	0.70	68.00	0.84	3.30	3.40	4.20	5.40	0.00051
ET63c-2	0.37	2800	1.10	0.75	68.00	1.26	2.90	2.80	4.10	5.90	0.00053
ET63d-2	0.55	2750	1.70	0.70	65.00	1.90	3.50	3.40	3.90	1.00	0.00600
ET71a-2	0.37	2820	1.10	0.77	66.00	1.25	3.00	2.80	4.30	7.10	0.00064
ET71b-2	0.55	2800	1.40	0.80	72.00	1.90	2.50	2.70	4.50	7.80	0.00074
ET71c-2	0.75	2840	1.90	0.75	72.00	2.50	3.90	4.00	5.30	8.90	0.00080
ET80a-2	0.75	2800	1.90	0.79	72.00	2.50	3.30	3.40	5.30	10.60	0.00149
ET80b-2	1.10	2815	2.80	0.77	73.00	3.70	3.00	3.10	4.80	13.20	0.00161
ET80c-2	1.50	2800	3.90	0.75	75.00	5.12	3.40	3.00	4.60	12.70	0.00178
ET80d-2	1.85	2780	4.65	0.76	75.00	6.40	3.30	3.00	4.50	13.60	0.00188
ET90Sa-2	1.50	2840	3.80	0.78	76.00	5.00	3.30	3.00	4.50	14.50	0.00216
ET90Sb-2	1.85	2830	4.50	0.79	75.00	6.24	3.30	3.00	5.00	15.00	0.00216
ET90La-2	2.20	2830	4.80	0.86	77.00	7.42	2.80	2.80	5.20	16.00	0.00238
ET90Lb-2	3.00	2860	6.40	0.85	80.00	10.00	3.20	3.00	6.00	19.70	0.00265
ET100La-2	3.00	2855	6.60	0.83	80.00	10.00	3.40	3.20	6.20	23.05	0.00476
ET100Lb-2	4.00	2860	8.50	0.81	84.00	13.30	3.50	3.00	7.10	27.35	0.00577
ET100Lc-2	5.00	2870	12.00	0.81	83.00	16.50	3.50	3.10	7.00	28.35	0.00604
ET112Ma-2	4.00	2890	9.30	0.80	80.00	13.20	3.40	3.00	6.20	29.05	0.00609
ET112Mb-2	5.50	2900	12.00	0.81	82.00	18.10	3.30	3.10	6.30	35.05	0.00726
ET112Mc-2	7.50	2880	16.50	0.80	82.00	24.80	3.50	3.00	7.00	37.75	0.00900
ET132Sa-2	5.50	2900	12.30	0.82	81.00	18.10	3.20	3.00	6.90	43.50	0.01400
ET132Sb-2	7.50	2920	15.40	0.83	85.00	24.50	3.50	3.20	7.40	49.50	0.01560
ET132Sc-2	9.20	2900	18.60	0.85	84.00	30.30	3.30	3.20	6.50	55.00	0.01700
ET132Ma-2	11.00	2925	21.60	0.85	87.00	35.90	3.40	3.30	7.00	59.50	0.01720
ET132Mb-2	15.00	2910	28.70	0.86	88.00	49.20	3.50	3.00	7.50	66.00	0.01954

1500 rpm 4 poli 50 HZ											
Type	Pn	n	In	cos φ	φ	Mn	Mm/Mn	Ms/Mn	Is/In	Weight	J
	(kW)	(rpm)	(400V)		(%)	(Nm)	(Nm)	(Nm)	(A)	(Kg)	(Kg m ²)
ET63a-4	0.14	1360	0.52	0.65	58.00	0.98	2.20	2.30	2.50	5.00	0.00052
ET63b-4	0.18	1350	0.70	0.68	55.00	1.31	2.40	2.40	2.80	5.60	0.00056
ET63c-4	0.25	1380	0.90	0.70	54.00	1.81	2.40	2.50	2.80	6.00	0.00059
ET71a-4	0.25	1400	0.85	0.68	63.00	1.71	2.70	2.60	3.60	7.30	0.00086
ET71b-4	0.37	1380	1.15	0.72	64.00	2.56	2.60	2.50	4.00	7.90	0.00112
ET71c-4	0.55	1350	1.60	0.76	65.00	3.95	2.50	2.40	3.80	9.00	0.00118
ET80a-4	0.55	1400	1.48	0.80	67.00	3.75	2.30	2.20	4.20	10.20	0.00234
ET80b-4	0.75	1400	2.10	0.78	72.00	5.10	2.40	2.30	5.00	11.90	0.00277
ET80c-4	1.10	1400	2.80	0.80	72.00	7.53	2.20	2.00	4.40	12.20	0.00294
ET90S-4	1.10	1400	2.80	0.82	70.00	7.67	2.30	2.30	4.30	14.60	0.00291
ET90La-4	1.50	1415	3.90	0.74	75.00	10.16	2.70	2.80	4.50	16.70	0.00340
ET90Lb-4	1.85	1400	4.40	0.78	78.00	12.60	2.90	2.70	5.00	17.70	0.00380
ET90Lc-4	2.20	1400	5.50	0.78	78.00	15.00	2.80	2.70	5.50	18.70	0.00400
ET100La-4	2.20	1420	5.40	0.77	77.00	14.90	2.50	2.10	4.70	22.00	0.00728
ET100Lb-4	3.00	1415	7.10	0.80	79.00	20.30	2.70	2.60	5.30	24.90	0.00773
ET100Lc-4	4.00	1400	9.00	0.84	77.00	27.30	2.50	2.20	4.60	27.00	0.00800
ET112Ma-4	4.00	1420	8.80	0.81	81.00	26.90	2.70	2.50	5.20	32.00	0.00957
ET112Mb-4	5.50	1400	11.60	0.83	82.00	37.80	2.50	2.45	5.70	36.70	0.01250
ET132S-4	5.50	1420	11.50	0.85	81.00	36.80	2.70	2.60	5.10	49.00	0.02450
ET132Ma-4	7.50	1450	14.50	0.74	84.00	49.40	3.10	2.50	5.30	59.50	0.02870
ET132Mb-4	9.20	1445	18.70	0.82	87.00	60.80	2.90	2.30	5.90	63.50	0.03090
ET132Mc-4	11.00	1425	22.30	0.85	84.00	73.70	2.20	2.30	4.60	67.00	0.03325

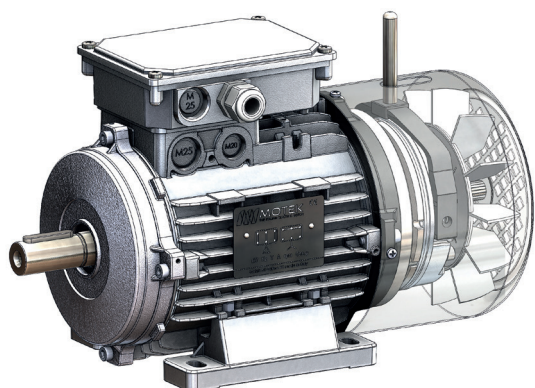
1000 rpm 6 poli 50 HZ											
Type	Pn	n	In	cos φ	φ	Mn	Mm/Mn	Ms/Mn	Is/In	Weight	J
	(kW)	(rpm)	(400V)		(%)	(Nm)	(Nm)	(Nm)	(A)	(Kg)	(Kg m ²)
ET63b-6	0.12	850	0.67	0.65	40.00	1.35	1.80	1.80	2.00	5.00	0.00059
ET71a-6	0.18	900	0.85	0.62	52.00	1.96	2.10	2.10	2.60	6.60	0.00112
ET71b-6	0.25	910	1.05	0.62	55.00	2.62	2.20	2.20	2.50	7.70	0.00134
ET80a-6	0.37	865	1.25	0.79	55.00	4.08	1.80	1.60	2.90	8.30	0.00250
ET80b-6	0.55	870	1.70	0.80	60.00	6.04	1.90	1.70	3.00	10.00	0.00296
ET90S-6	0.75	915	2.20	0.71	71.00	7.83	2.20	2.00	3.30	12.00	0.00389
ET90L-6	1.10	900	3.30	0.73	77.00	11.67	2.20	2.10	3.30	14.30	0.00373
ET100L-6	1.50	950	4.10	0.70	75.00	15.10	2.70	2.10	4.70	19.00	0.00827
ET112M-6	2.20	955	5.30	0.77	78.00	22.00	2.60	1.50	5.10	30.00	0.01625
ET132S-6	3.00	955	7.40	0.78	75.00	30.00	2.50	1.60	4.70	40.00	0.02840
ET132Ma-6	4.00	950	9.00	0.79	81.00	40.20	2.70	1.70	5.10	46.40	0.03194
ET132Mb-6	5.50	950	11.90	0.80	84.00	55.30	2.30	1.30	2.70	52.50	0.03721



Standard produttivo IP55 V = Servizio S1 V = 230/400V (Pn ≤ 3 kW), V = 400/690V (Pn > 3 kW)
 Manufacturing standard IP55 V = Duty S1 V = 230/400V (Pn ≤ 3 kW), V = 400/690V (Pn > 3 kW)

Motori Trifase Frenanti *Three Phase Brake Motors*

SERIE EDP EDC EDA



3000/1500 rpm 2/4 P 50 Hz - Unico avvolgimento / One winding

Type	Pn		n		I _n		cos φ		φ		Mn		Weight	J
	(kW)		(rpm)		(400V)				(%)		(Nm)		(Kg)	(Kg m ²)
ED63-2/4	0,22	0,15	2760	1400	0,67	0,57	0,88	0,63	54	60	0,76	1	5,7	0,0059
ED71a-2/4	0,3	0,22	2900	1445	1,21	1	0,62	0,57	58	56	0,99	1,45	7,8	0,00112
ED71b-2/4	0,55	0,37	2830	1405	1,3	1,25	0,82	0,62	75	69	1,85	2,5	8,8	0,0065
ED80a-2/4	0,6	0,45	2840	1415	1,7	1,3	0,77	0,74	65	65	1,74	1,35	12	0,00191
ED80b-2/4	0,8	0,6	2875	1420	2,1	2,06	0,77	0,64	70	66	2,66	4	12,2	0,00212
ED80c-2/4	1,1	0,75	2865	1420	2,77	2,46	0,82	0,66	70	67	3,66	5,04	13,7	0,00231
ED90Sa-2/4	1,5	1,1	2850	1425	4,1	2,9	0,74	0,73	71	76	5	7,4	15,2	0,00309
ED90Sb-2/4	1,85	1,25	2800	1410	4,5	3,1	0,82	0,76	73	77	6,31	8,47	16,7	0,0034
ED90La-2/4	2,2	1,5	2840	1410	5	3,5	0,84	0,79	75	78	7,4	10,15	19	0,0034
ED90Lb-2/4	2,5	1,85	2850	1420	5,9	4,64	0,83	0,77	74	75	8,37	12,5	20,5	0,00375
ED100La-2/4	3	2,2	2850	1410	7,16	5,3	0,82	0,78	74	77	10	14,9	23,1	0,00632
ED100Lb-2/4	4	3	2875	1425	9,8	7,2	0,8	0,79	73	73	13,3	20,1	26,5	0,00719
ED112M-2/4	4,5	3,3	2865	1430	10,6	7,65	0,88	0,8	70	78	15,1	22,2	35,2	0,01158
ED132Sa-2/4	5,5	4,5	2915	1450	12,9	9,9	0,82	0,81	77	81	18	29,6	46,5	0,02456
ED132Sb-2/4	7,5	6	2910	1445	18,1	12,9	0,78	0,82	77	82	24,6	39,6	50	0,2727
ED132M-2/4	8,1	6,6	2915	1440	17,6	14,4	0,88	0,85	76	78	26,5	47,8	57,4	0,02871

1500/750 rpm 4/8 poli 50 Hz - Doppio avvolgimento / Two winding

ED71-4/8	0,18	0,09	1440	700	0,74	0,97	0,66	0,57	55	25	1,23	1,23	11	0,00134
ED80a-4/8	0,37	0,2	1400	700	0,96	1,1	0,86	0,6	65	45	2,52	2,73	12,2	0,00296
ED80b-4/8	0,55	0,3	1380	685	1,35	1,65	0,84	0,6	70	45	3,8	4,2	12,4	0,00318
ED90S-4/8	0,75	0,37	1360	680	1,7	1,7	0,88	0,58	70	53	5,26	5,2	15,2	0,00309
ED90L-4/8	1	0,5	1375	690	2,2	2,3	0,88	0,56	74	56	6,94	6,92	16,5	0,0034
ED100La-4/8	1,4	0,66	1400	680	3,2	2,5	0,85	0,6	75	63	9,55	9,27	22	0,00632
ED100Lb-4/8	1,6	0,9	1390	700	3,5	3,3	0,88	0,6	75	65	11	12,3	24,5	0,00728
ED112Ma-4/8	1,85	1,1	1420	720	4	4,1	0,87	0,62	76	63	12,4	14,6	31	0,01177
ED112Mb-4/8	2,2	1,4	1440	720	4,6	4,4	0,89	0,66	78	69	14,6	18,6	33,7	0,01625
ED132S-4/8	3,7	2	1450	720	7,4	7,1	0,9	0,59	83	73	24,4	26,5	49,5	0,03194

1500/1000 rpm 4/6 poli 50 Hz - Unico avvolgimento / One winding

ED71-4/6	0,3	0,22	1430	830	1,2	0,9	0,7	0,74	60	50	2	2,5	7,9	0,00134
ED80-4/6	0,55	0,37	1445	940	1,5	1,2	0,77	0,76	67	50	3,6	3,8	13,7	0,00318
ED90S-4/6	0,75	0,55	1445	945	2,1	1,8	0,77	0,75	66	60	5	5,5	15,2	0,00309
ED90L-4/6	1,1	0,75	1420	925	2,77	2,37	0,8	0,74	72	62	7,4	7,74	16,9	0,0034
ED100L-4/6	1,5	0,9	1465	965	4,4	2,7	0,7	0,7	70	70	9,8	8,9	25,5	0,00632
ED112Ma-4/6	1,85	1,32	1465	965	4,6	3,6	0,8	0,75	72	70	12	12,9	31,7	0,00738
ED112Mb-4/6	2,2	1,5	1460	970	5,1	4,1	0,85	0,75	73	70	14,4	14,9	34,2	0,11765
ED132S-4/6	3,3	2,2	1460	970	7,3	5,7	0,83	0,71	79	78	21,6	21,7	40,5	0,01625
ED132Ma-4/6	4	2,5	1455	970	9,3	7	0,79	0,66	79	78	26,3	24,6	50,5	0,03194
ED132Mb-4/6	5,5	4	1460	975	11,2	10	0,87	0,75	82	77	36	39,2	57,5	0,03721



Standard produttivo IP55 V = Servizio S1 V = 400V
Manufacturing standard IP55 V = Duty S1 V = 400V

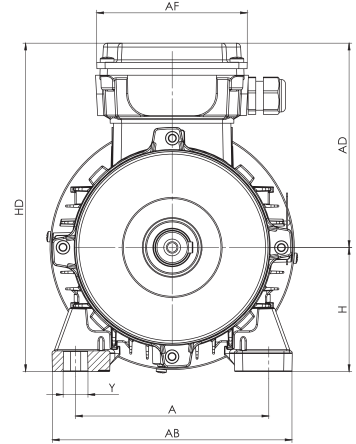
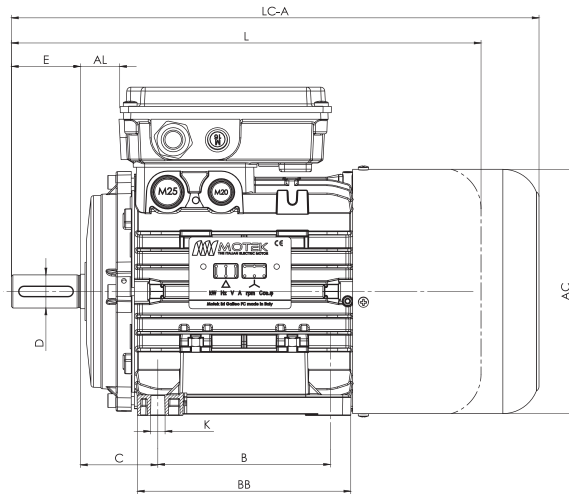


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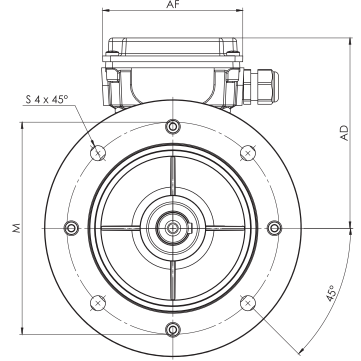
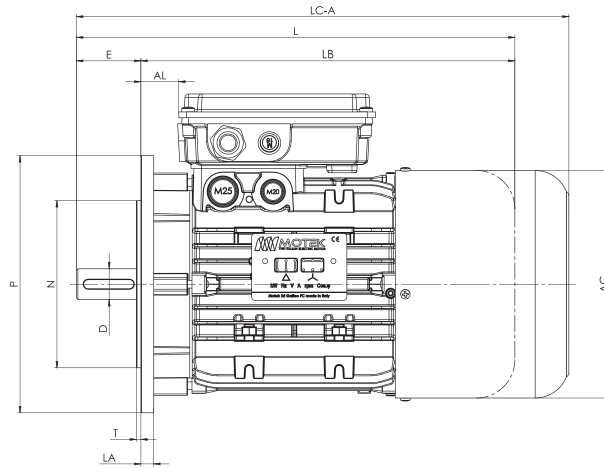
DIMENSIONALI
Dimensional

ETP - ETC - ETA - EDP - EDC - EDA

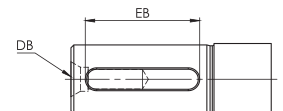
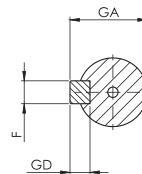
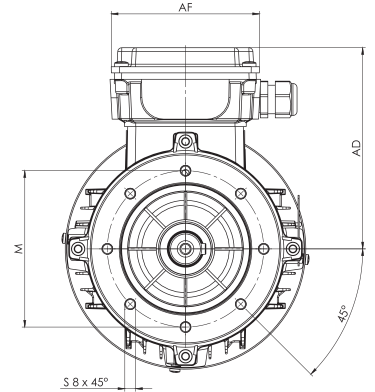
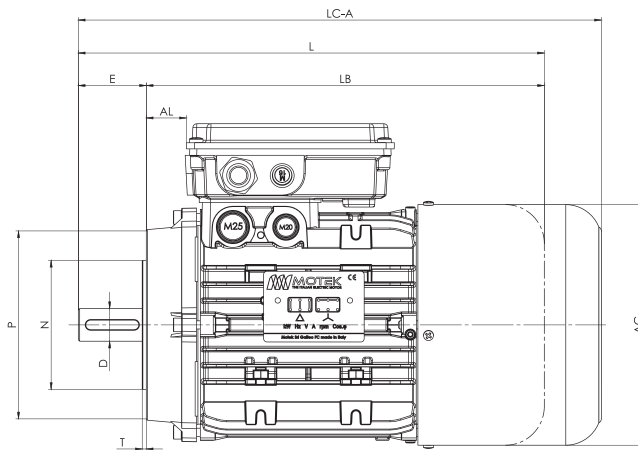
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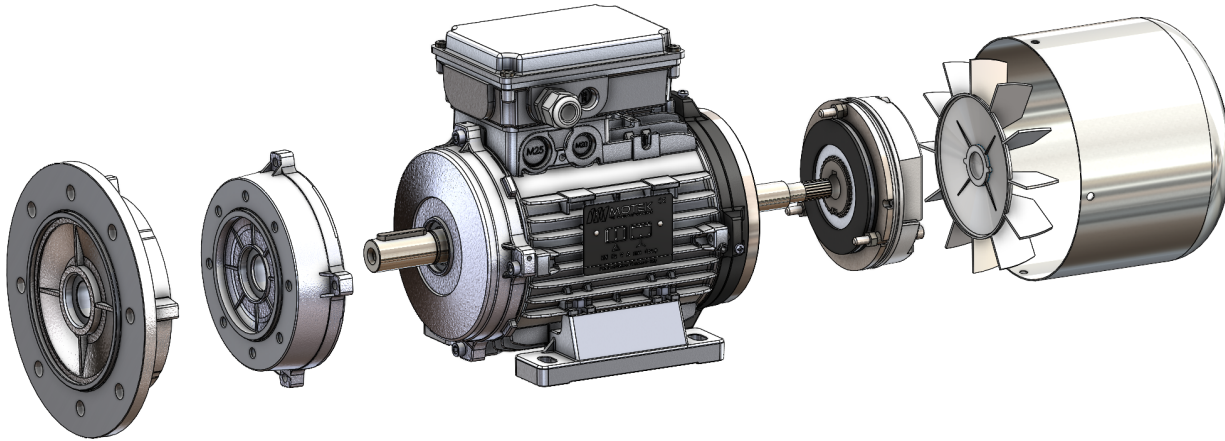
B5



B14



Motori Trifase Frenanti *Three Phase Brake Motors*



Tolleranze / Tolerance

D	≤ 28 mm	j6
	38 - 50 mm	k6
N	≤ 230 mm	j6
	> 230 mm	h6
H	≤ 250 mm	+0 / -0,5 mm

DIN 748-7160-7161-42948

Type	B3															B5						B14												
	A	B	C	D	E	F	H	K	L	LC-A	Y	AB	AC	AD	AF	AL	BB	DB	EB	GA	GD	HD	LA	LB	M	N	P	S	T	M	N	P	S	T
M56	90	71	36	9	20	3	56	6	189	11	109	115	112	93	13	91	M3	15	10.2	3	168	8	169	100	80	120	7	3	65	50	80	M5	2.5	
M63	100	80	40	11	23	4	63	7	210	259	12	120	123	113	93	19	106	M4	15	12.5	4	176	10	187	115	95	140	10	3	75	60	90	M5	2.5
M71	112	90	45	14	30	5	71	7	251	294	12	136	147	125	93	24	108	M5	20	16	5	196	9.5	221	130	110	160	10	3	85	70	105	M6	3
M80	125	100	50	19	40	6	80	9.5	285	329	17	160	161	133	111	23	125	M6	30	21.5	6	213	10.5	255	165	130	200	12	3.5	100	80	120	M6	3
M90S	140	100	56	24	50	8	90	9.5	311	360	17	170	181	138	111	28	131	M8	40	27	7	228	11	261	165	130	200	12	3.5	115	95	140	M8	3
M90L	140	125	56	24	50	8	90	9.5	336	385	17	170	181	138	111	28	156	M8	40	27	7	228	11	286	165	130	200	12	3.5	115	95	140	M8	3
M100L	160	140	63	28	60	8	100	11	375	434	21	200	198	149	111	36	170	M10	50	31	7	249	15	315	215	180	250	14.5	4	130	110	160	M8	3.5
M112M	190	140	70	28	60	8	112	11	388	453	21	225	222	173	124	38	177	M10	50	31	7	285	11.5	328	215	180	250	14.5	4	130	110	160	M8	3.5
M132S	216	140	89	38	80	10	132	11	460	525	21	260	264	189	133	44	181	M12	70	41	8	321	15	380	265	230	300	14.5	4	165	130	200	M10	4
M132M	216	178	89	38	80	10	132	11	500	565	21	260	264	189	133	44	220	M12	70	41	8	321	15	420	265	230	300	14.5	4	165	130	200	M10	4

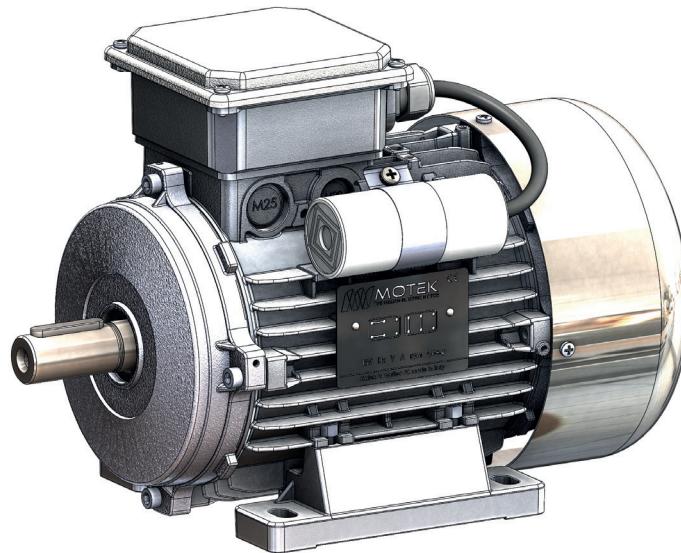
LC-A quota riferita a serie ETC-ETA, EDC-EDA
 LC-A dimension is referring to ETC-ETA, EDC-EDA SERIES

MOTORI MONOFASE

SINGLE PHASE MOTORS

Motori Monofase di uso generale con rendimento standard e dimensioni normalizzate
Grandezza da IEC56 a IEC132.
Tensione nominale non superiore a 690V.
Conformi alla IEC 60072-1

Single phase motors for general use with standard output and standard dimensions.
Sizes from IEC56 to IEC132.
Rated voltage: 690V and below.
Compliant with IEC 60072-1 standard.



Standard produttivi: DPSTD - standard

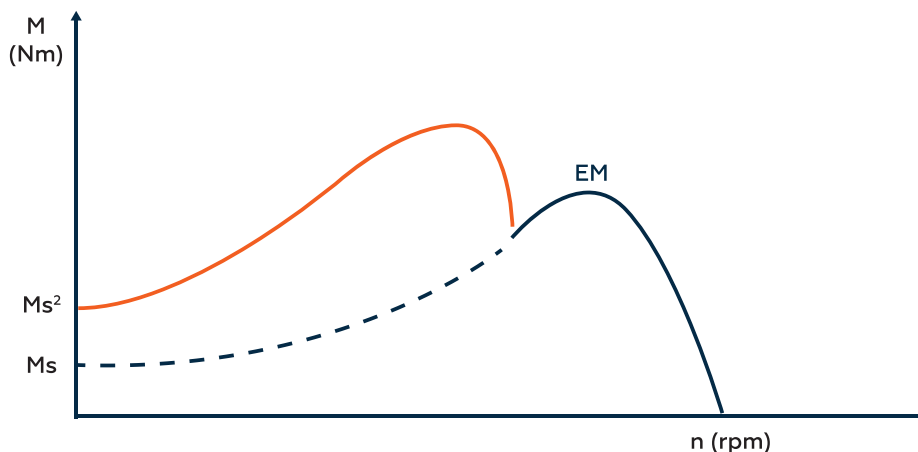
Installazione <i>Mounting Arrangement</i>	B3 - B5 - B14	
Orientamento morsetteria <i>Terminal Box Position</i>	BS - bassetta superiore <i>On top (BS)</i>	
Copertura collegamenti <i>Terminal Box Type</i>	2CA - 2 componenti in Alluminio <i>2 Aluminium components</i>	Portacondensatore <i>Capacitor box</i>
Alimentazione <i>Voltage / Frequency</i>	230 V - 50 Hz	
Condensatore di marcia <i>Run Capacitor</i>	Esterno <i>External</i>	Interno <i>Internal (x EMD)</i>
Condensatore di spunto <i>Starting Capacitor</i>	Interno <i>Internal</i>	
Grado di protezione <i>IP Protection Degree</i>	IP55 - (V-ring)	
Grado di servizio <i>Duty Efficiency</i>	S1	
Isolamento avvolgimento <i>Winding Insulation</i>	F	
Cuscinetti <i>Bearings</i>	2RS	
Serraggio motore <i>End-Shields Assembly</i>	Borchie <i>Bosses and Bolts</i>	
Copriventola <i>Fan Cover</i>	Lamiera zincata <i>Galvanized Steel Sheet</i>	



3000 rpm 2 poli 50 HZ												
Type	Pn	n	In	cos φ	Mn	Ms/Mn	Ms/Mn*	Is/In	Cm	Ca*	Weight	J
	(kW)	(rpm)	(A)		(Nm)	(Nm)	(Nm)	(A)	[μF]	[μF]	(Kg)	(Kg m ²)
EM63a-2	0.18	2710	3.20	0.84	1.30	0,85	1.80	2.80	14.00	30.00	6.60	0.00032
EM63b-2	0.25	2750	3.20	0.84	1.30	0,9	1.80	2.80	14.00	30.00	6.60	0.00032
EM71a-2	0.37	2720	3.20	0.84	1.30	0,7	1.30	2.80	14.00	30.00	6.60	0.00032
EM71b-2	0.55	2730	4.30	0.92	1.92	0,7	1.40	2.80	16.00	40.00	7.70	0.00038
EM80a-2	0.75	2770	5.10	0.94	2.59	0,83	1.50	3.60	20.00	50.00	10.00	0.00066
EM80b-2	1.10	2750	7.10	0.96	3.82	0,55	1.60	3.50	25.00	60.00	11.40	0.00083
EM80c-2	1.50	2750	9.30	0.95	5.21	0,6	1.60	3.60	35.00	80.00	12.80	0.00092
EM90Sb-2	1.50	2750	9.20	0.98	5.21	0,74	1.90	3.70	50.00	100.00	13.80	0.00114
EM90La-2	1.85	2780	11.00	0.98	6.35	0,65	2.00	3.50	50.00	100.00	16.80	0.00130
EM90Lb-2	2.20	2740	13.00	0.98	7.67	0,7	1.90	3.00	60.00	125.00	16.80	0.00130
EM100L-2	2.50	2850	14.70	0.98	8.38	0,7	1.80	4.00	80.00	125.00	22.00	0.00246
1500 rpm 4 poli 50Hz												
EM56-4	0.09	1300	1.00	0.84	0.66	1,7	1.80	1.70	5.00	14.00	3.30	0.00012
EM63a-4	0.11	1330	1.20	0.84	0.79	1,6	1.80	1.60	6.00	14.00	4.00	0.00020
EM63b-4	0.18	1350	1.70	0.84	1.31	1,6	1.70	1.60	10.00	20.00	4.70	0.00030
EM71a-4	0.25	1330	2.00	0.92	1.80	2,3	1.60	2.30	10.00	30.00	6.50	0.00064
EM71b-4	0.37	1320	3.20	0.92	2.68	2,5	1.50	2.50	16.00	35.00	7.70	0.00086
EM80a-4	0.55	1370	3.70	0.98	3.83	2,7	1.30	2.70	16.00	35.00	8.90	0.00142
EM80b-4	0.75	1400	5.30	0.94	5.12	3,5	1.30	3.50	20.00	50.00	10.40	0.00184
EM90S-4	1.10	1350	7.00	0.95	7.78	2,6	1.30	2.60	35.00	80.00	13.30	0.00185
EM90La-4	1.50	1360	9.30	0.96	10.53	3	1.50	3.00	45.00	80.00	16.20	0.00247
EM90Lb-4	1.85	1370	12.10	0.91	12.90	3,1	1.50	3.10	55.00	100.00	17.80	0.00268
EM100La-4	1.85	1360	12.20	0.94	12.99	3	1.60	3.00	55.00	125.00	21.40	0.00403
EM100Lb-4	2.20	1350	13.00	0.97	15.56	4	1.70	4.00	70.00	150.00	23.90	0.00506
1000 rpm 6 poli 50H												
EM71-6	0.18	920	1.80	0.80	1.92	2,2	1.50	2.20	8.00	16.00	7.00	0.00065
EM80b-6	0.25	910	2.20	0.90	2.54	2,7	1.50	2.70	10.00	20.00	8.50	0.00186
EM80b-6	0.37	920	3.30	0.94	3.84	2,1	1.40	2.10	16.00	35.00	10.00	0.00186
EM90S-6	0.55	915	4.25	0.88	5.74	2,3	1.30	2.30	20.00	50.00	12.20	0.00228
EM90La-6	0.75	945	5.80	0.88	7.58	2,7	1.30	2.70	25.00	60.00	14.50	0.00296
EM90Lb-6	1.10	880	8.00	0.95	11.94	2	1.40	2.00	40.00	80.00	17.00	0.00267
EM100La-6	1.10	935	8.10	0.91	11.23	2,3	1.50	2.30	35.00	80.00	20.00	0.00343
EM100Lb-6	1.50	930	10.60	0.96	15.40	2,9	1.40	2.90	50.00	100.00	21.30	0.00403

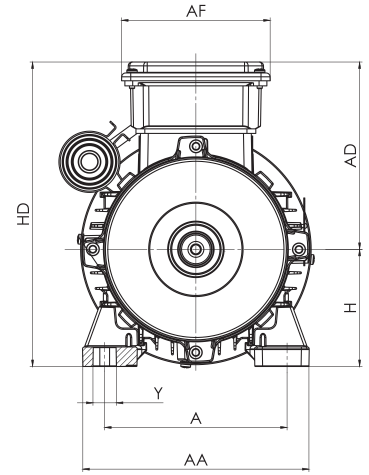
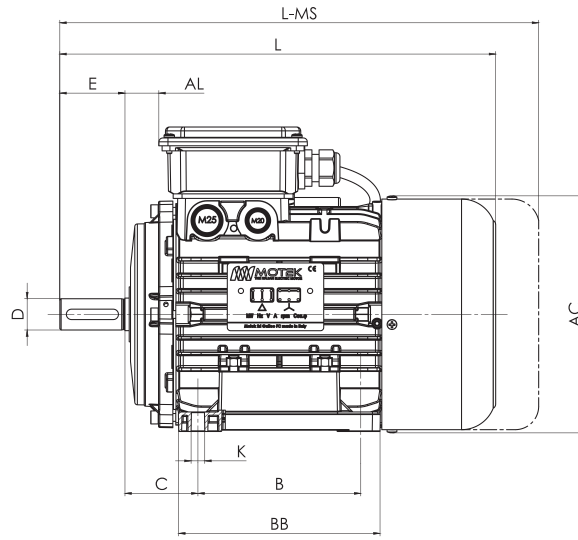
* Valore riferito alla serie EMS
* Value referring to EMS serie

Serie EM: motori monofase con condensatore di marcia
Serie EMD : motori monofase con condensatore di marcia e avviamento
EM serie: single phase motors with run capacitor
Serie EMD : single phase motors with run and start capacitor

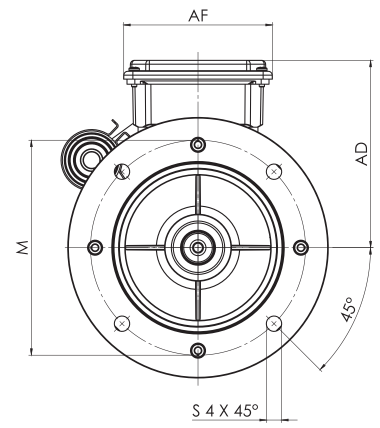
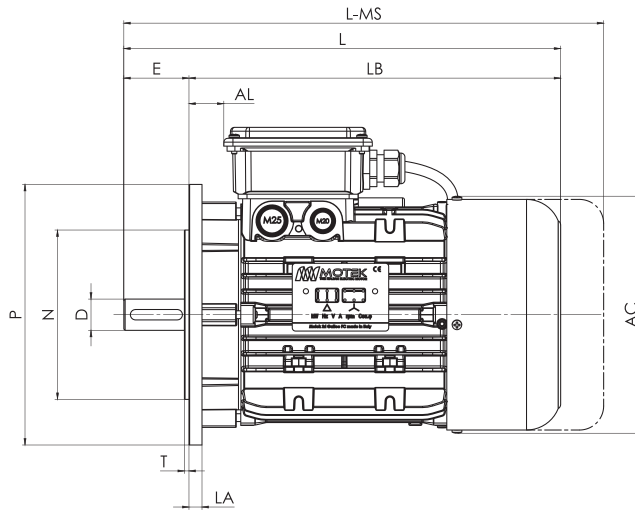




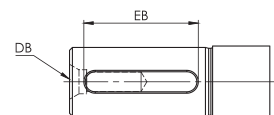
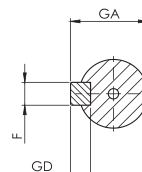
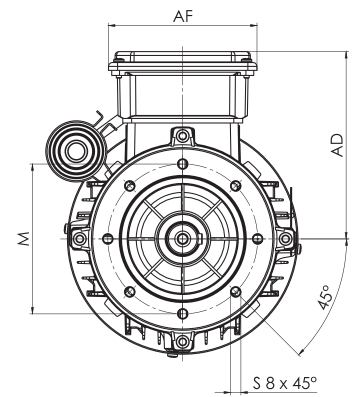
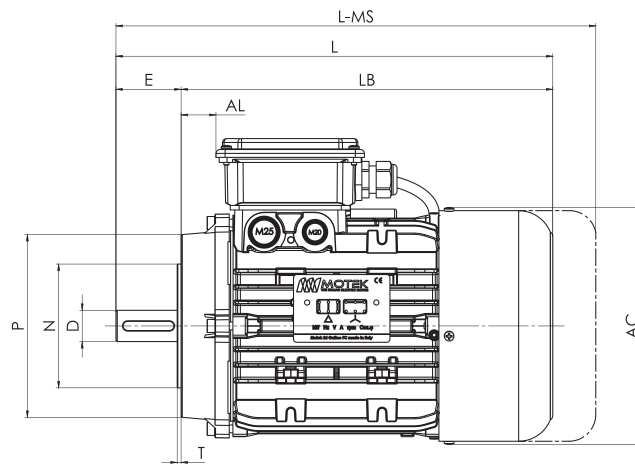
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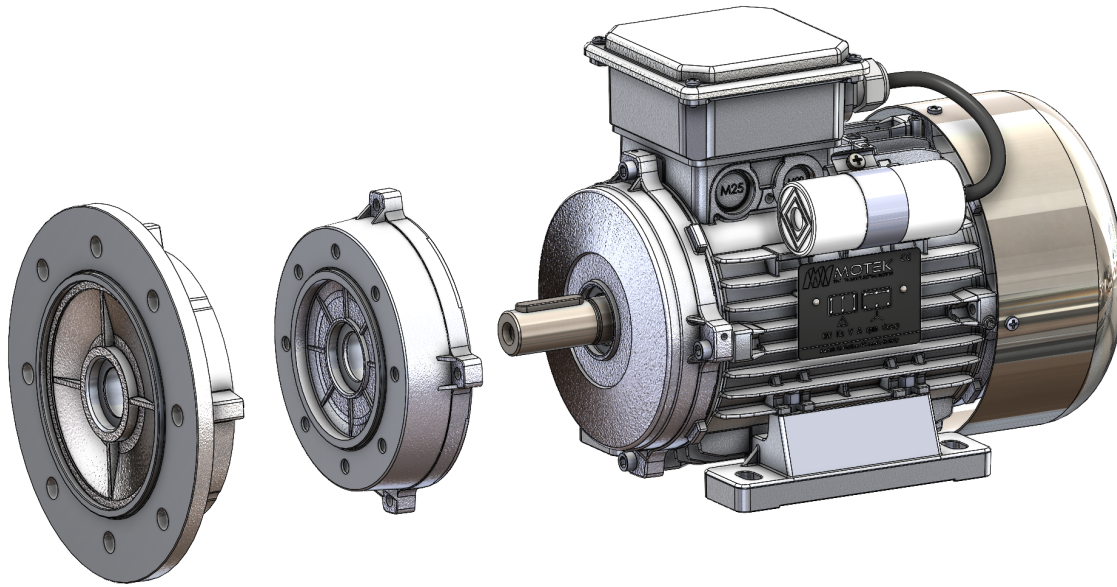


B5



B14





Tolleranze / Tolerance

D	≤ 28 mm	j6
	38 - 50 mm	k6
N	≤ 230 mm	j6
	> 230 mm	h6
H	≤ 250 mm	+0 / -0,5 mm

DIN 748-7160-7161-42948

Type	B3																	B5							B14									
	A	B	C	D	E	F	H	K	L	L-MS	Y	AB	AC	AD	AF	AL	BB	DB	EB	GA	GD	HD	LA	LB	M	N	P	S	T	M	N	P	S	T
M56	90	71	36	9	20	3	56	6	189		11	109	115	112	93	13	91	M3	15	10.2	3	168	8	169	100	80	120	7	3	65	50	80	M5	2.5
M63	100	80	40	11	23	4	63	7	210	259	12	120	123	113	93	19	106	M4	15	12.5	4	176	10	187	115	95	140	10	3	75	60	90	M5	2.5
M71	112	90	45	14	30	5	71	7	245	274	12	136	147	125	93	24	108	M5	20	16	5	196	9.5	215	130	110	160	10	3	85	70	105	M6	2.5
M80	125	100	50	19	40	6	80	9.5	279	314	17	160	161	133	111	23	125	M6	30	21.5	6	213	10.5	239	165	130	200	12	3.5	100	80	120	M6	3
M90S	140	100	56	24	50	8	90	9.5	311	335	17	170	181	138	111	28	131	M8	40	27	7	228	11	261	165	130	200	12	3.5	115	95	140	M8	3
M90L	140	125	56	24	50	8	90	9.5	336	360	17	170	181	138	111	28	156	M8	40	27	7	228	11	286	165	130	200	12	3.5	115	95	140	M8	3
M100L	160	140	63	28	60	8	100	11	375	389	21	200	198	149	111	36	170	M10	50	31	7	249	15	315	215	180	250	14.5	4	130	110	160	M8	3.5

L-MS quota riferita a serie EMD
L-MS dimension is referring to EMD serie

MOTORI A BASSO INTERASSE

LOW-CENTRE MOTORS

Motori trifase e monofase serie ETE grazie alla carcassa quadra sono particolarmente adatti all'impiego su macchine da taglio, foratura e fresatura.

Rispetto alla costruzione IEC, la forma della carcassa in lega leggera di alluminio, permette di aumentare il campo di lavoro e la precisione di lavorazione a parità di dimensioni dell'utensile. La forma costruttiva IM B34 permette un fissaggio sia con piedi che con flangia, quest'ultima utilizzabile in alternativa per il fissaggio di protezioni o carter.

Three phase and single phase square type motors Series ETE are particularly suitable for use on cutting, drilling and milling machines.

Compared to the IEC construction, the frame shape built in a light aluminium alloy expands the motor's work envelope and machining precision with work tool size being equal.

The IM B34 construction shape is suitable for both foot and flange mounting. Flanges can also be used for mounting protections or casings.



Standard produttivi: DPSTD - standard

Installazione <i>Mounting Arrangement</i>	B3 / B14	
Orientamento morsettieria <i>Terminal Box Position</i>	F0	
Copertura collegamenti <i>Terminal Box Type</i>	2CP - 2 componenti in plastica <i>2 Plastic Components</i>	
Alimentazione <i>Voltage / Frequency</i>	230/400 V - 50Hz ($P_n \leq 3$ kW)	230 V - 50 Hz
	400/690 V - 50Hz ($P_n > 3$ kW)	
Grado di protezione <i>IP Protection Degree</i>	IP54	
Grado di servizio <i>Duty Efficiency</i>	S6-60%	
Isolamento avvolgimento <i>Winding Insulation</i>	F	
Cuscinetti <i>Bearings</i>	2RS	
Serraggio motore <i>End-Shields Assembly</i>	Tiranti <i>Tie Rods</i>	
Copriventola <i>Fan Cover</i>	In plastica <i>Plastic</i>	



MOTORE TRIFASE A BASSO INTERASSE *Low centre Three phases Motor*

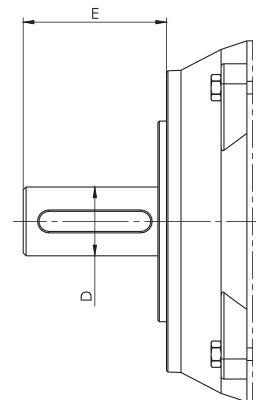
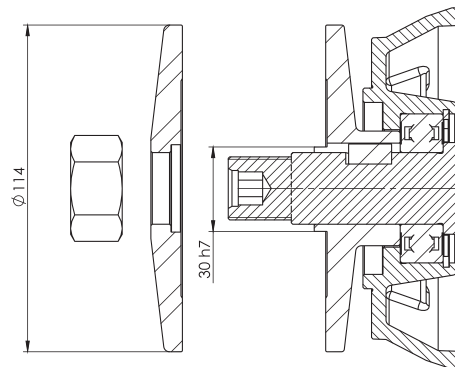
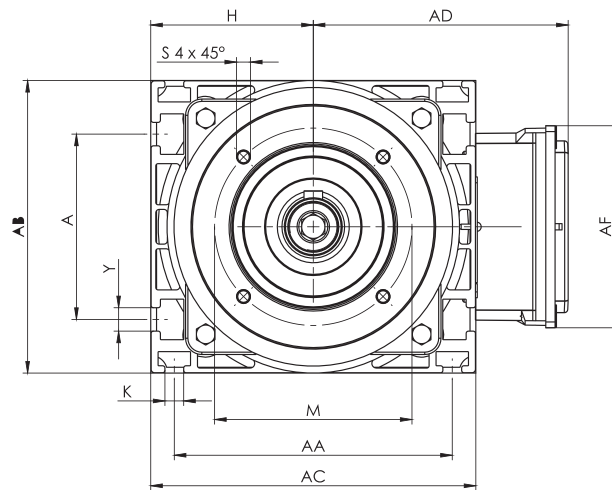
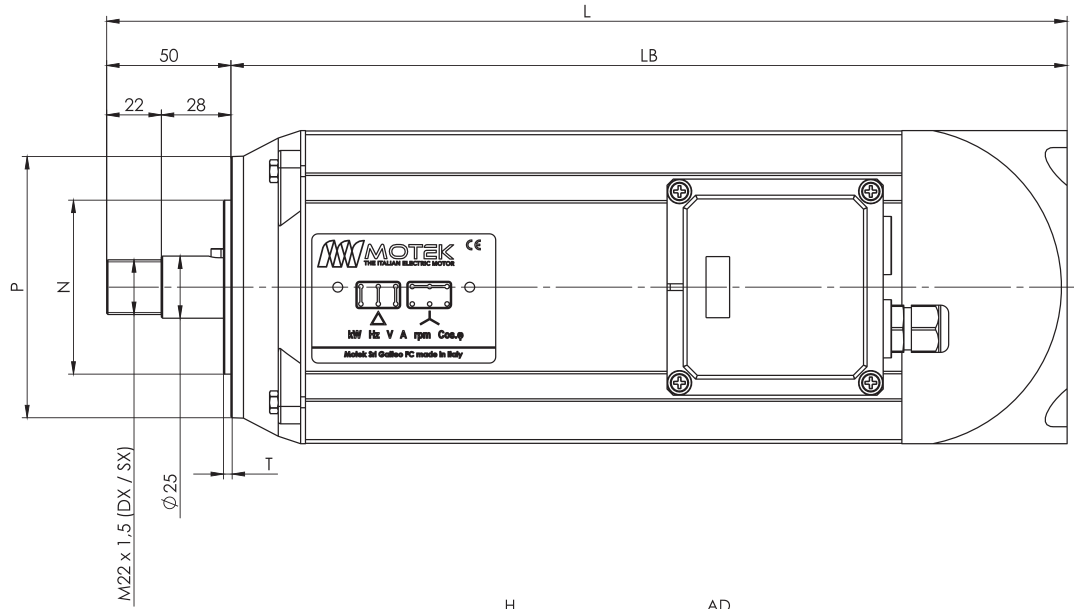
3000 rpm 2 230/400 V 50Hz											
Type	Pn	n	In	cos φ	φ	Mn	Mm/Mn	Ms/Mn	Is/In	Weight	J
	(kW)	(rpm)	(A)		(%)	(Nm)	(Nm)	(Nm)	(A)	(Kg)	(Kg m ²)
ETE63Sb-2	1.50	2700	3.40	0.85	5.30	2.60	2.50	4.30	11.50	0.00075	0.00008
ETE63Sc-2	1.85	2750	4.20	0.85	6.42	3.00	3.00	4.50	12.50	0.00090	0,135
ETE63La-2	2.20	2800	4.70	0.84	7.50	3.00	3.00	5.70	15.00	0.00103	0.00013
ETE63Lb-2	3.00	2800	6.40	0.84	10.23	3.20	3.50	6.00	17.00	0.00115	0.00015
ETE80Sa	3.00	2850	6.50	0.82	10.00	3.40	3.40	6.00	26.50	0.00155	0.00017
ETE80Sb	4.00	2890	9.20	0.81	13.30	3.30	3.40	6.80	28.10	0.00210	0.00020
ETE80M	5.50	2870	11.50	0.82	18.50	3.60	3.70	6.30	32.30	0.00226	0.00020
ETE80L	7.50	2850	15.40	0.86	25.20	3.10	3.10	5.00	39.00	0.00274	0.00027



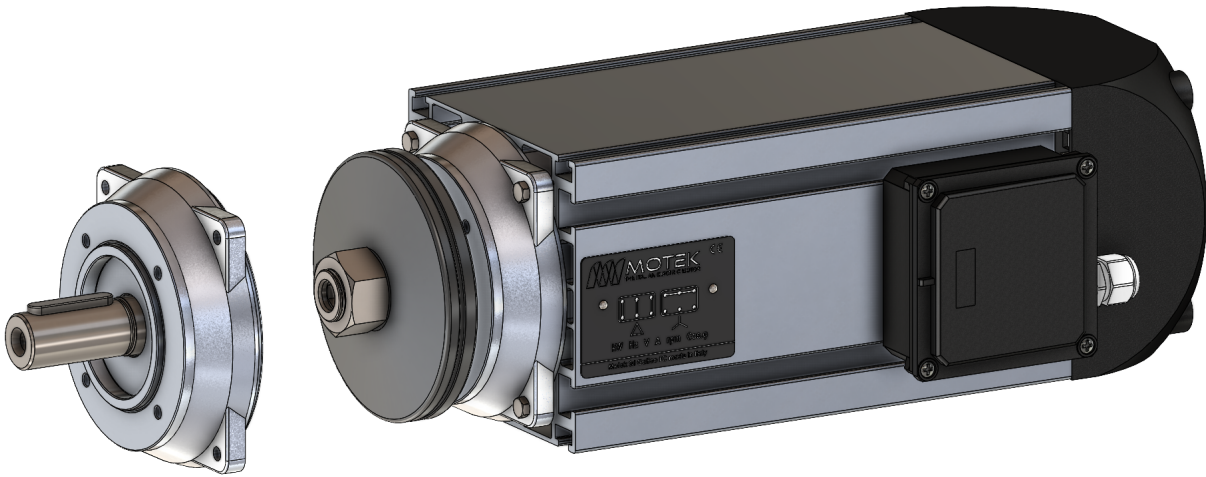
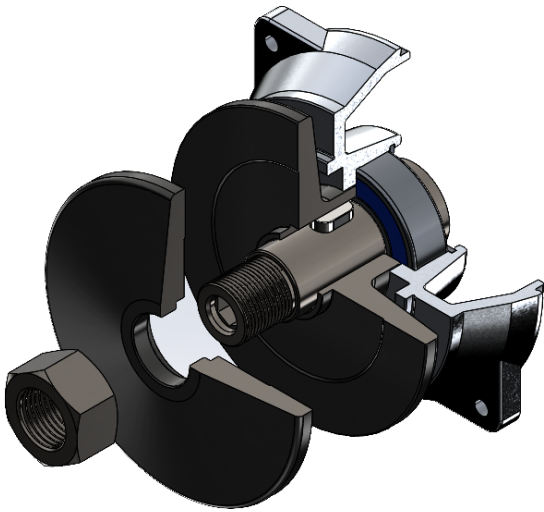
MOTORE MONOFASE A BASSO INTERASSE *Low centre Single phase Motor*

3000 rpm 2 230/400 V 50Hz											
Type	Pn	n	In	cos φ	φ	Mn	Mm/Mn	Ms/Mn	Is/In	Weight	J
	(kW)	(rpm)	(A)		(%)	(Nm)	(Nm)	(Nm)	(A)	(Kg)	(Kg m ²)
EME63La-2	1.50	2850	9.60	0.93	73.00	5.03	1.90	0.50	3.80	30.00	0.00011
EME63Lb-2	1.85	2750	12.40	0.93	70.00	6.42	1.90	0.50	3.50	35.00	0.00011
EME63Lc-3	2.20	2750	13.10	0.97	75.00	7.64	1.80	0.40	3.40	40.00	0.00016



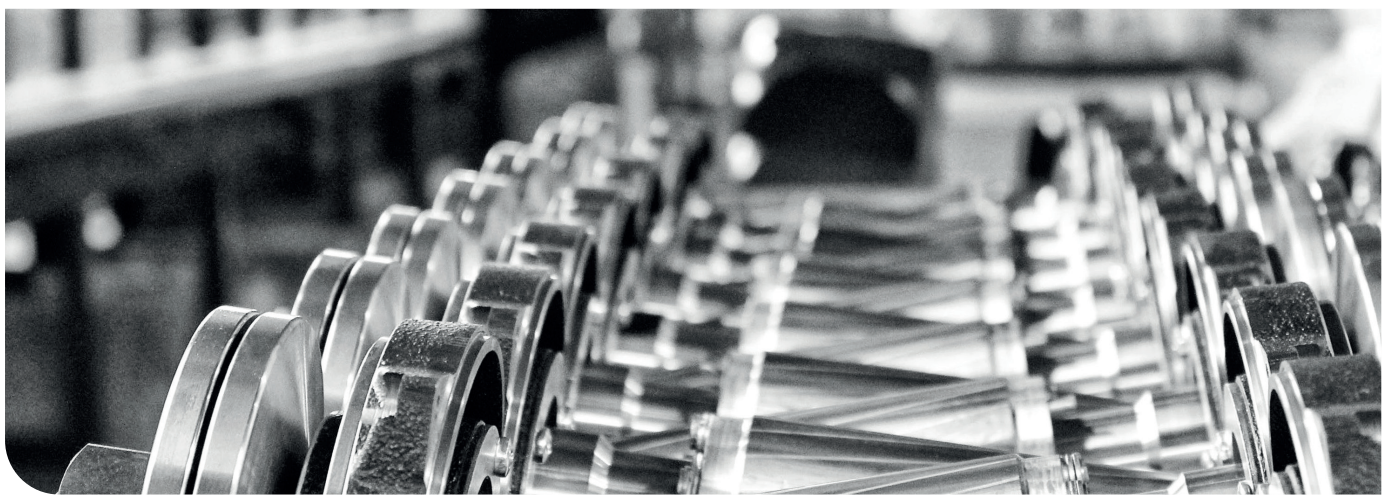
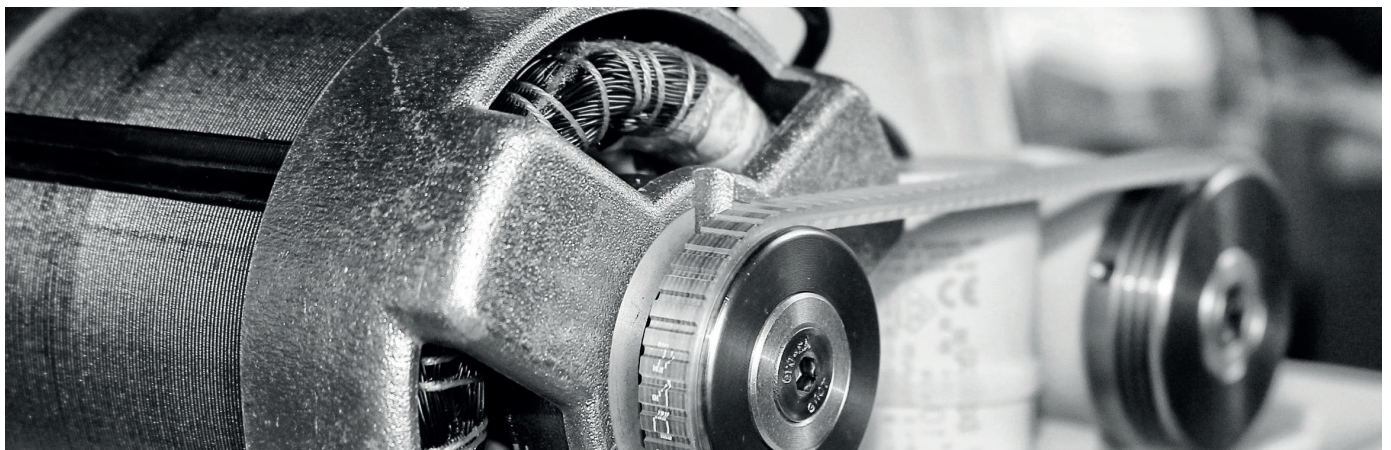


Motori a Basso Interasse Low-Centre Motors



		B14																						
Type	A	AB	AC	AA	B	E	H	L	LB	K	Y	AD	AF	AL	D	N	P	S	M	F	GA	GD	DB	EB
M63S	80	126	140	120	180	40	70	316	276	8	10	110	88	118	19	70	105	M6	85	6	21.5	6	M6	30
M63L	80	126	140	120	240	50	70	386	336	8	10	110	88	178	24	70	105	M6	85	8	27	7	M8	40

		Con dischi stringilama - With blade discs																
Type	A	AB	AC	AA	B	F	G	H	L	LB	K	Y	P	AD	AF	AL	LA	
M63S	80	126	140	120	180	10	32	70	326	276	8	10	114	110	88	118	16	
M63L	80	126	140	120	240	10	32	70	386	336	8	10	114	110	88	178	16	





CATALOGO GENERALE
GENERAL CATALOGUE

 **MOTЕК** THE ITALIAN ELECTRIC MOTOR



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Fax +39 0541 804209

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