DRAINTECH
TRANSMISSION TECHNOLOGIES

UP

MOT.

Screw Jacks

Motori applicabili
Applicable motors
Anwendbare Motoren

member of TRANSTECNO group

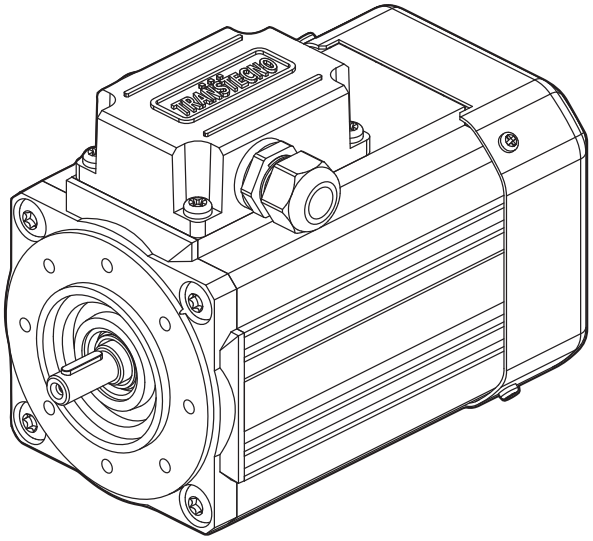
Mot

Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. ***In this case the latest version is available on our web site www.transtecno.com***

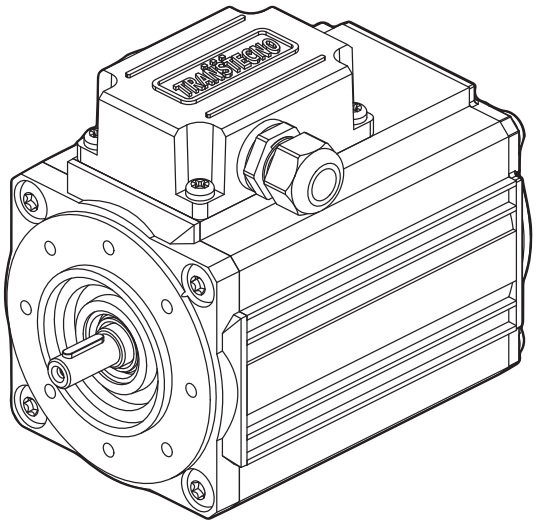
Motori elettrici CA - SM | ***AC Electric motors - SM*** | **AC Motoren - SM**

Caratteristiche tecniche | ***Technical characteristics*** | **Technische Merkmale**



IP66 TRANSTECNO

SM .. TEFC



IP66 TRANSTECNO

SM .. TENV

Motori elettrici CA - SM | *AC Electric motors - SM* | AC Motoren - SM

Caratteristiche tecniche

I motori delle serie SMT ed SMM hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata monofase e trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP66
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente: -20°C / + 40°C
- Disponibili sia nella versione ventilata TEFC (servizio S1) che non ventilata TENV (servizio S3)
- Protezioni termiche PTO 150°C per le taglie 56, 63, 71, 80 e 90.
- SMT56, SMT63, SMT71, SMT80 e SMT90 adatti al funzionamento con alimentazione da inverter.
- SMT80 e SMT90 conformi alla classe di rendimento IE3.

- Cava esagonale su albero motore lato NDE.
- Condensatore di marcia sempre cablato ad esclusione della taglia SMM50.
- La tolleranza di tensione è ±10% per tutti i motori ad esclusione della taglia 50 (±5%).
- Disponibili nelle versioni autofrenante, servoventilata e con certificazione UL/CSA.

Technical characteristics

SMT and SMM motor range has the following main features:

- *Compact design*
- *AC single phase and three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC electric motor in IP66 protection Standard*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: -20°C / +40°C*
- *Fan cooled TEFC (duty S1) and not ventilated TENV (duty S3) versions available*
- *PTO 150°C thermal protection for motor sizes 56, 63, 71, 80 and 90.*
- *SMT56, SMT63, SMT71, SMT80 and SMT90 are suitable to be driven by inverter.*
- *SMT80 and SMT90 in compliance to the Standard efficiency class IE3*
- *Motor shafthexagon socket on the NDE side.*
- *Running capacitor always connected, except for SMM50.*
- *The voltage tolerance is ±10% for all motors, except for size 50 (±5%).*
- *Brake motors, forced ventilation motors and UL/CSA compliance versions available.*

Technische Merkmale

Die Motoren der Serien SMT und SMM haben die folgenden Hauptmerkmale:

- kompakte Bauweise
- einphasige und dreiphasige Wechselstrommotoren
- schwarz eloxiertes, stranggepresstes Aluminiumgehäuse
- AC-Elektromotor mit Schutzart IP66
- geräusch- und vibrationsarm
- Wärmedämmung der Klasse F
- Motorflansch IEC B14
- Umgebungstemperatur: -20°C / + 40°C
- erhältlich in den Ausführungen belüftet TEFC (Service S1) und unbelüftet TENV (Service S3)
- thermische Schutzvorrichtungen PTO 150°C für die Größen 56, 63, 71, 80 und 90.
- SMT56, SMT63, SMT71, SMT80 und SMT90 für den Umrichterbetrieb geeignet.
- SMT80 und SMT90 entsprechen der Effizienzklasse IE3.
- Sechskantaussparung auf der Motorwelle auf der NDE-Seite.
- Betriebskondensator immer verdrahtet, außer bei der Größe SMM50.
- die Spannungstoleranz beträgt ±10% für alle Motoren außer Größe 50 (±5%).
- erhältlich in selbstbremsenden, servo-belüfteten und UL/CSA-zertifizierten Versionen.

Mot

Simbologia AC | *AC Symbols* | *Symbole AC*

P_n	[kW]	Potenza nominale	*Rated power*	Nennleistung
I_n	[A]	Corrente nominale (a 400V)	*Rated current (at 400V)*	Nennstrom (bei 400V)
M_n	[Nm]	Coppia nominale	*Rated torque*	Nenndrehmoment
n_n	[rpm]	Velocità nominale	*Rated speed*	Nenngeschwindigkeit
LR	[dB]	Livello di rumorosità	*Noise Level*	Geräuschpegel
M_s / M_n		Rapporto coppia spunto / coppia nominale	*Ratio start torque / rated torque*	Verhältnis Anlaufmoment / Nennmoment
M_k / M_n		Rapporto coppia massima / coppia nominale	*Ratio max torque / rated torque*	Verhältnis maximales Drehmoment / Nenndrehmoment
M_{sel} / M_n		Rapporto coppia di sella (minima) / coppia nominale	*Ratio saddle torque / rated torque*	Verhältnis von Satteldrehmoment (Minimum) / Nenndrehmoment
I_s / I_n		Rapporto corrente di spunto / corrente nominale	*Ratio start current / rated current*	Verhältnis Einschaltstrom / Nennstrom
cosφ		Fattore di potenza al carico nominale	*Power factor at rated torque load*	Leistungsfaktor bei Nennlast
η		Rendimento al carico nominale	*Efficiency at rated torque load*	Wirkungsgrad bei Nennlast
S		Servizio	*Duty*	Service
M_b	[Nm]	Coppia frenante	*Braking torque*	Bremsmoment
P_{sf}	[W]	Potenza assorbita servoventola	*Absorbed servo fan power*	Leistungsaufnahme Servolüfter

Motori elettrici CA - SM | ***AC Electric motors - SM*** | **AC Motoren - SM**

Dati tecnici | ***Technical data*** | **Technische Daten**

SMT Motori trifase / *Three phase motors / Drehstrommotoren*

(230-400 V / 50 Hz) poli / *poles / polig* 4

	Tipo *Type* Typ	P_n [kW]	M_n [Nm]	n_n [min^{-1}]	I_n (400V) [A]	η %	cosφ	M_s/M_n	I_s/I_n	M_k/M_n	PTO [°C]	S TEFC	S TENV
	5014	0.04	0.30	1290	0.25	34.0	0.68	1.65	1.75	1.70	-	S1	S3 30%
	5024	0.06	0.44	1300	0.35	35.7	0.69	1.55	1.80	1.60			
	5034	0.09	0.65	1315	0.54	38.0	0.64	1.80	2.00	1.85			
	5044	0.12	0.87	1315	0.64	43.0	0.63	1.80	2.00	1.80		S3 75%	
	5624	0.09	0.64	1345	0.45	46.5	0.62	2.50	2.40	2.70	PTO 150°	S1	S3 50%
	5634	0.12	0.89	1300	0.45	52.0	0.74	1.90	2.40	1.90		S3 75%	
IE2	**5634 IE2**	0.12	0.84	1360	0.48	59.1	0.61	2.70	2.90	2.70		S1	-
	5644	0.18	1.26	1360	0.69	59.0	0.65	2.50	3.00	2.60		S3 75%	S3 50%
	5654	0.25	1.80	1330	0.93	59.0	0.66	2.50	2.80	2.60			
	6324	0.18	1.26	1360	0.69	57.0	0.66	2.50	2.90	2.50			
IE2	**6324 IE2**	0.18	1.27	1360	0.65	64.7	0.62	2.50	2.90	2.50		S1	-
	6334	0.25	1.74	1375	0.94	62.0	0.64	2.80	3.00	2.80		S3 75%	S3 50%
IE2	**6334 IE2**	0.25	1.72	1390	0.88	68.5	0.60	3.20	3.50	3.20		S1	-
	6344	0.37	2.60	1360	1.24	65.3	0.66	2.70	3.00	2.70		S3 75%	S3 50%
	7124	0.37	2.52	1400	1.10	67.9	0.72	2.75	4.20	2.75			S3 45%
IE2	**7124 IE2**	0.37	2.48	1425	1.05	72.7	0.70	2.80	4.90	2.90		S1	-
	7134	0.55	3.76	1395	1.55	70.2	0.73	2.90	4.40	2.90		S3 75%	S3 45%
IE2	**7134 IE2**	0.55	3.70	1420	1.56	77.1	0.66	3.40	5.20	3.40		S1	-
	7144	0.75	5.09	1405	2.00	74.0	0.73	2.90	5.00	2.90		S3 75%	S3 45%
IE3	**8024 IE3**	0.75	4.96	1440	1.94	82.5	0.68	3.60	6.00	3.70		S1	S3 70%
	8034 IE3	1.1	7.25	1450	2.91	84.1	0.65	4.00	6.80	4.40			
	9024 IE3	1.5	10.0	1430	3.48	85.3	0.73	3.20	6.30	3.50			S3 75%
	9034 IE3	2.2	14.9	1410	4.68	86.7	0.79	3.00	6.20	3.30			

SMM Motori monofase / *Single phase motors / Einphasenmotoren*

(230 V / 50 Hz) poli / *poles / polig* 4

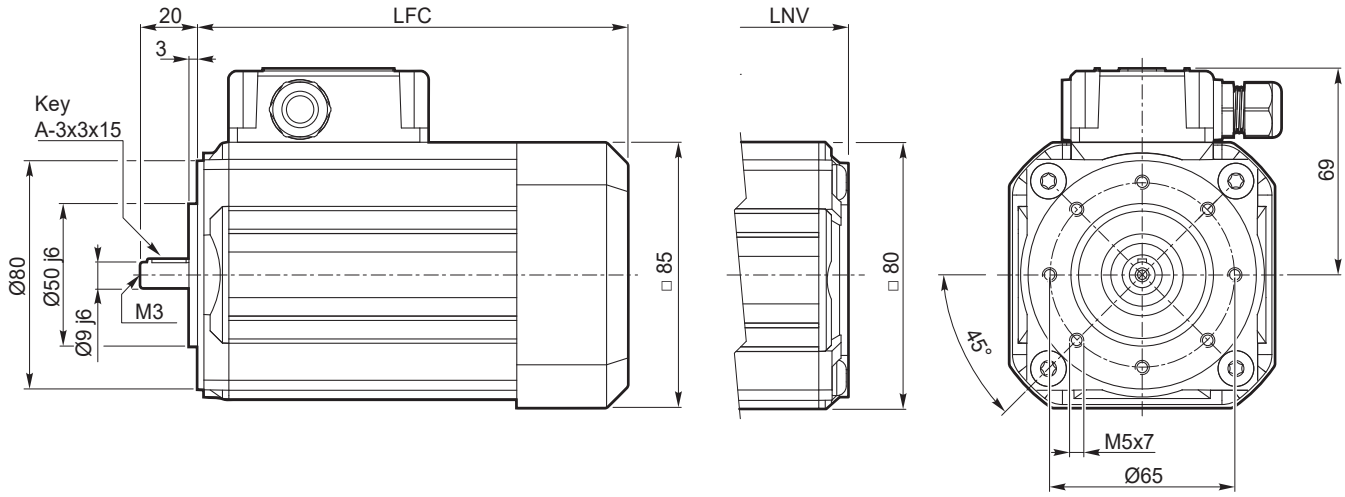
Tipo *Type* Typ	P_n [kW]	M_n [Nm]	n_n [min^{-1}]	I_n (230V) [A]	η %	cosφ	M_s/M_n	I_s/I_n	M_k/M_n	Cond./Cap./Kond. [µF]	PTO	S TEFC	S TENV
5014	0.04	0.27	1390	0.60	33.4	0.88	0.74	1.60	1.55	8.0	-	S1	**S3 30%**
5024	0.06	0.42	1380	0.89	34.3	0.85	0.76	1.70	1.50	12.0			
5034	0.09	0.63	1375	1.10	40.0	0.89	0.80	1.70	1.45	16.0			
5624	0.09	0.63	1370	0.82	48.6	0.98	0.72	1.70	1.45	6.3	PTO 150°		**S3 50%**
5634	0.12	0.83	1380	1.06	50.3	0.98	0.75	2.10	1.65	9.0		S3 75%	
5644	0.18	1.25	1375	1.50	53.8	0.97	0.70	2.20	1.58	12.5			
6324	0.18	1.33	1290	1.50	54.5	0.97	1.00	1.80	1.45	12.0			
6334	0.25	1.85	1290	1.95	56.8	0.98	0.93	1.90	1.50	16.0			
7124	0.37	2.72	1300	2.78	58.6	0.99	0.77	2.00	1.35	20.0			**S3 45%**
7134	0.55	3.95	1330	3.54	68.9	0.98	0.66	2.40	1.40	25.0			
8024	0.75	5.31	1350	4.93	67.4	0.98	0.67	2.50	1.54	35.0			**S3 40%**

Per dimensioni e ulteriori dati consultare la documentazione disponibile sul sito **www.transtecno.com**
*For dimensions and further data, please see the documentation available on the website **www.transtecno.com***
Abmessungen und weitere Daten entnehmen Sie bitte der Dokumentation auf der Website **www.transtecno.com**

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

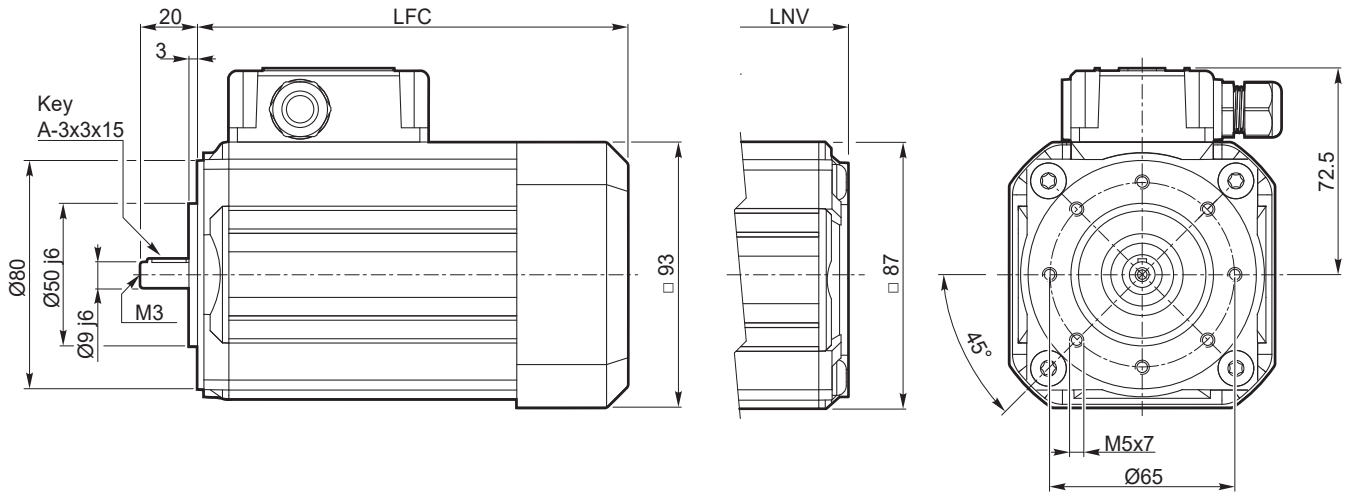
SMT50.. - B14 - TEFC / TENV



SMT	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
5014	135.5	2.3	108.5	2.2
5024	150.5	2.7	123.5	2.6
5034	175.5	3.5	148.5	3.4
5044	200.5	4.2	173.5	4.1

3 ~

SMT56.. - B14 - TEFC / TENV



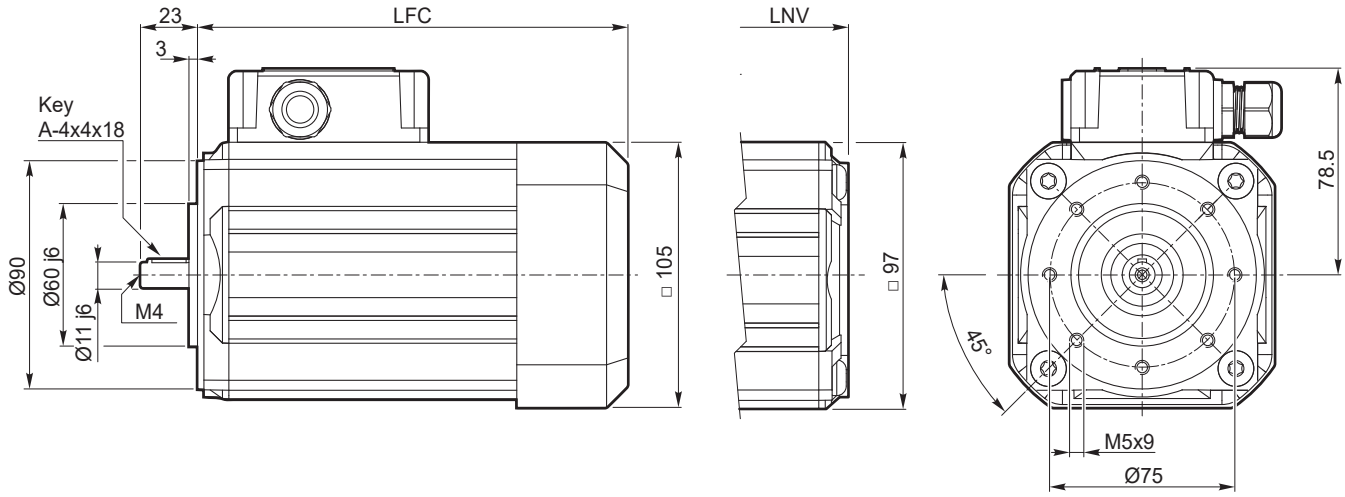
SMT	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
5624	141	2.9	117	2.8
5634	151	3.2	127	3.1
5634 IE2	171	3.8	-	
5644	186	4.4	162	4.3
5654	206	5.1	182	5.0

Mot

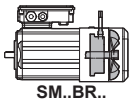
Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT63.. - B14 - TEFC / TENV

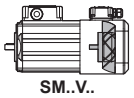


SMT	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
6324	165.5	4.3	138.5	4.2
6324 IE2	180.5	4.9	-	
6334	180.5	5.0	153.5	4.9
6334 IE2	205.5	6.1	-	
6344	205.5	6.2	178.5	6.1



SM..BR..
Motori autofrenanti
Brake motors
Selbstbremsende Motoren

D12 pag.

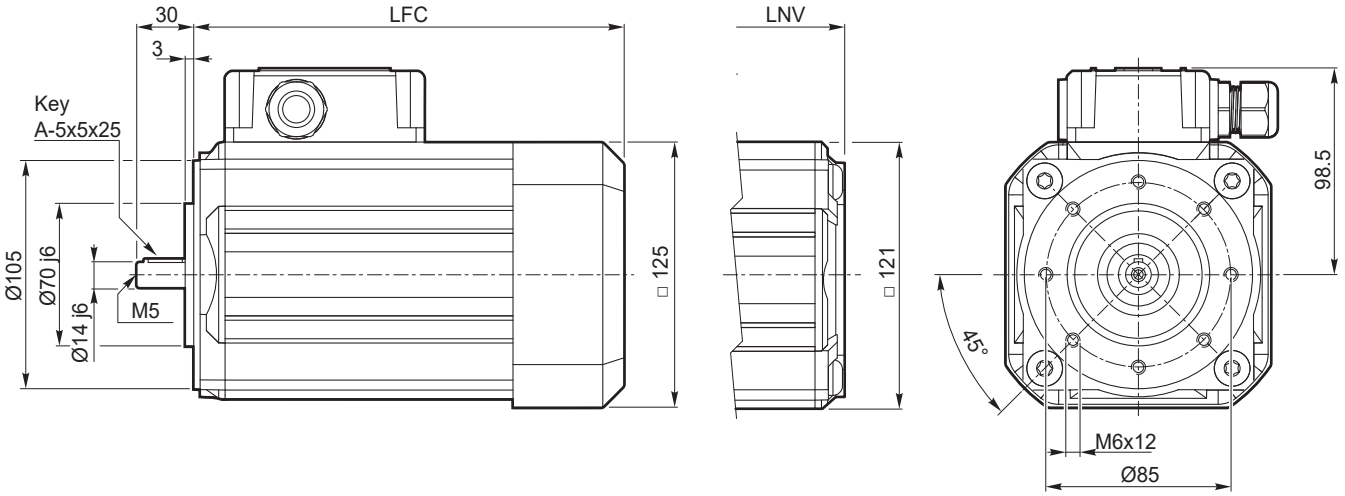


SM..V..
Motori servoventilati
Motors with forced-ventilation
Servobelüftete Motoren

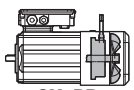
D16 pag.

3 ~

SMT71.. - B14 - TEFC / TENV

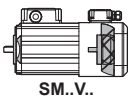


SMT	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
7124	174	6.6	145.5	6.4
7124 IE2	189	7.5	-	
7134	189	7.7	160.5	7.5
7134 IE2	214	9.2	-	
7144	214	9.4	185.5	9.2



SM..BR..
Motori autofrenanti
Brake motors
Selbstbremsende Motoren

D12 pag.



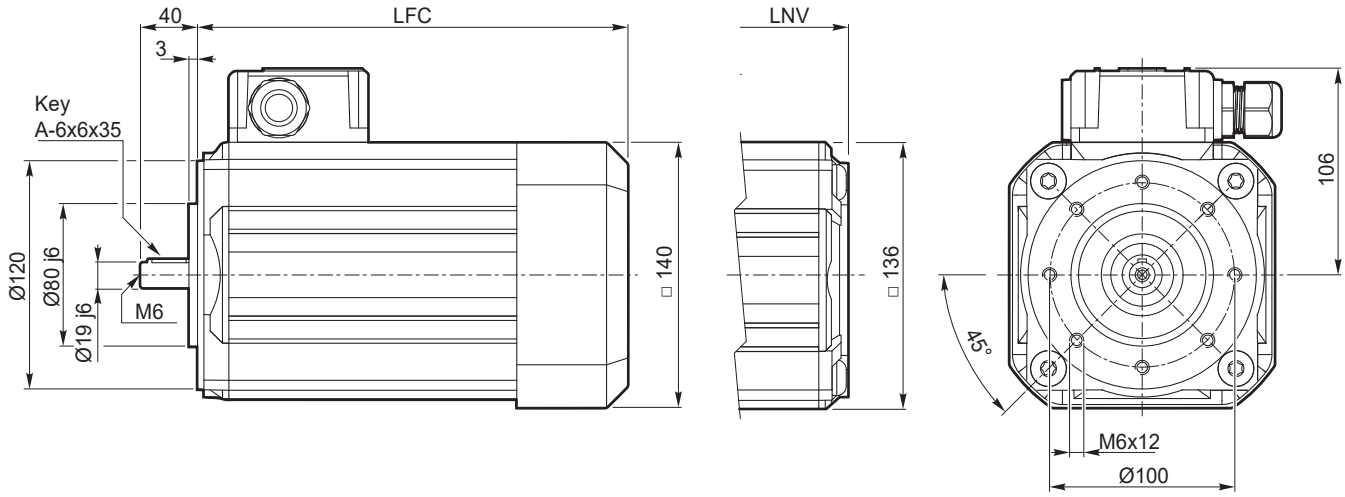
SM..V..
Motori servoventilati
Motors with forced-ventilation
Servobelüftete Motoren

D16 pag.

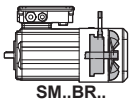
Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

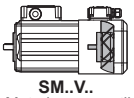
3 ~

SMT80.. - B14 - TEFC / TENV



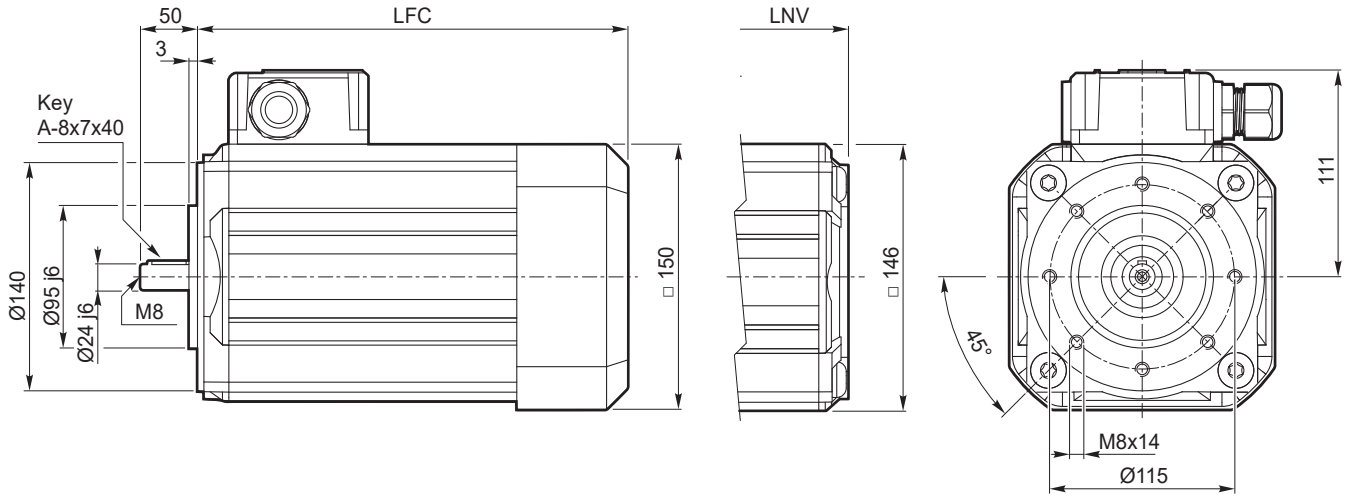
SMT	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
8024	233	11.8	196	11.5
8034	283	16.8	246	16.5


SM..BR..
Motori autofrenanti
Brake motors
Selbstbremsende Motoren
D13 pag.

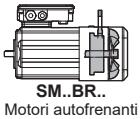

SM..V..
Motori servoventilati
Motors with forced-ventilation
Servobelüftete Motoren
D17 pag.

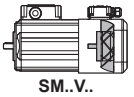
3 ~

SMT90.. - B14 - TEFC / TENV



SMT	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
9024	283	18.2	246	17.9
9034	313	21.5	276	21.2

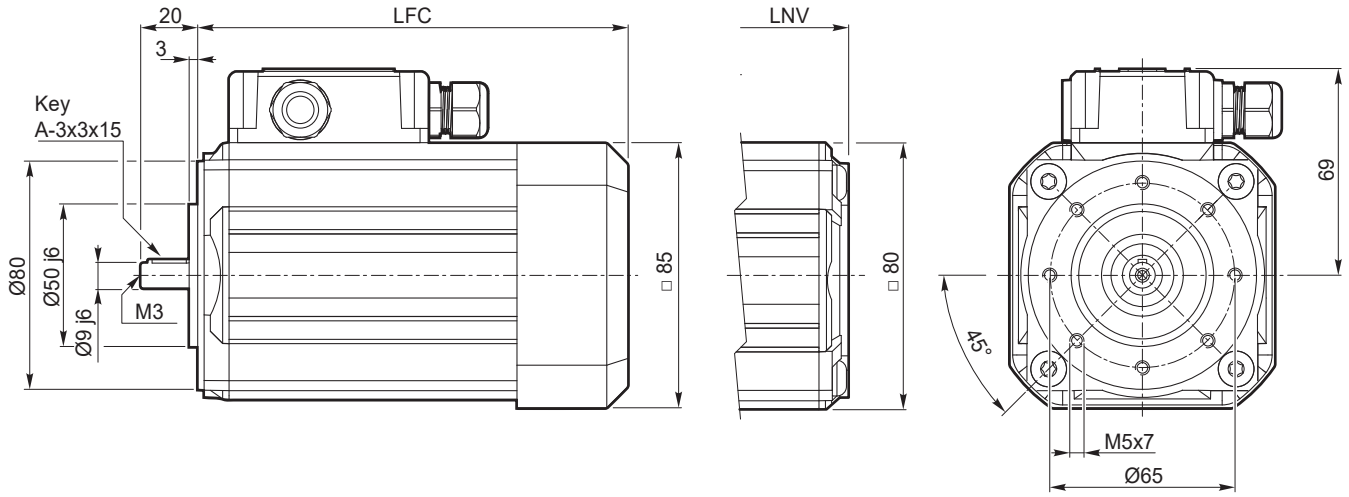

SM..BR..
Motori autofrenanti
Brake motors
Selbstbremsende Motoren
D13 pag.


SM..V..
Motori servoventilati
Motors with forced-ventilation
Servobelüftete Motoren
D17 pag.

Dimensioni motori monofase | ***Single phase motors dimensions*** | **Abmessungen von Einphasenmotoren**

1 ~

SMM50.. - B14 - TEFC / TENV



SMM	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
5014	150.5	2.7	123.5	2.6
5024	175.5	3.5	148.5	3.4
5034	200.5	4.2	173.5	4.1

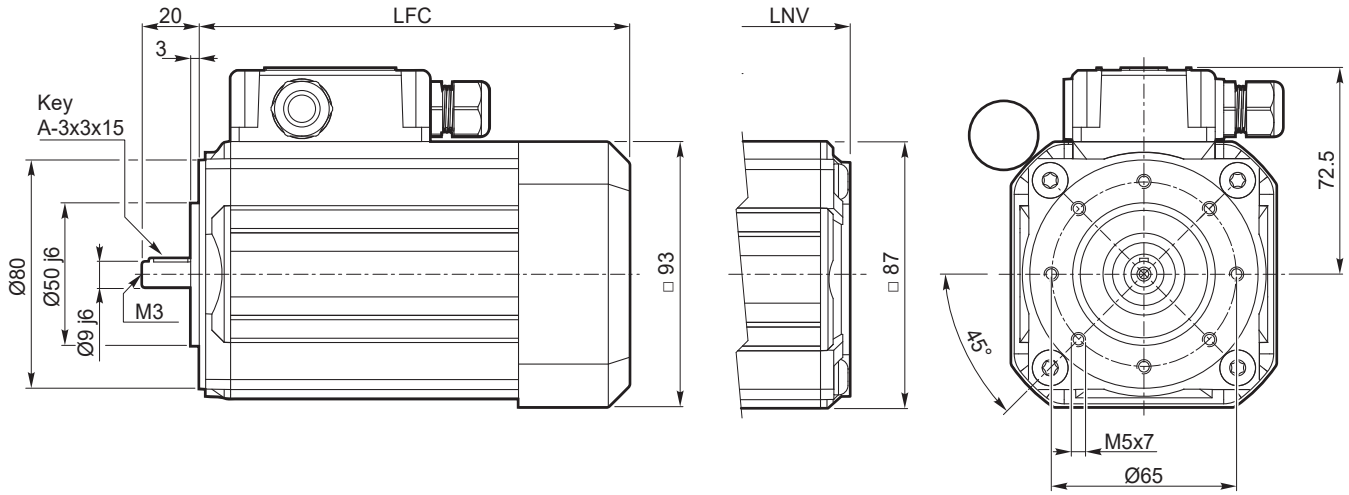
Nota:
il condensatore sarà fornito a corredo

Note:
the capacitor will be supplied separately

Anmerkung:
Der Kondensator wird separat geliefert

1 ~

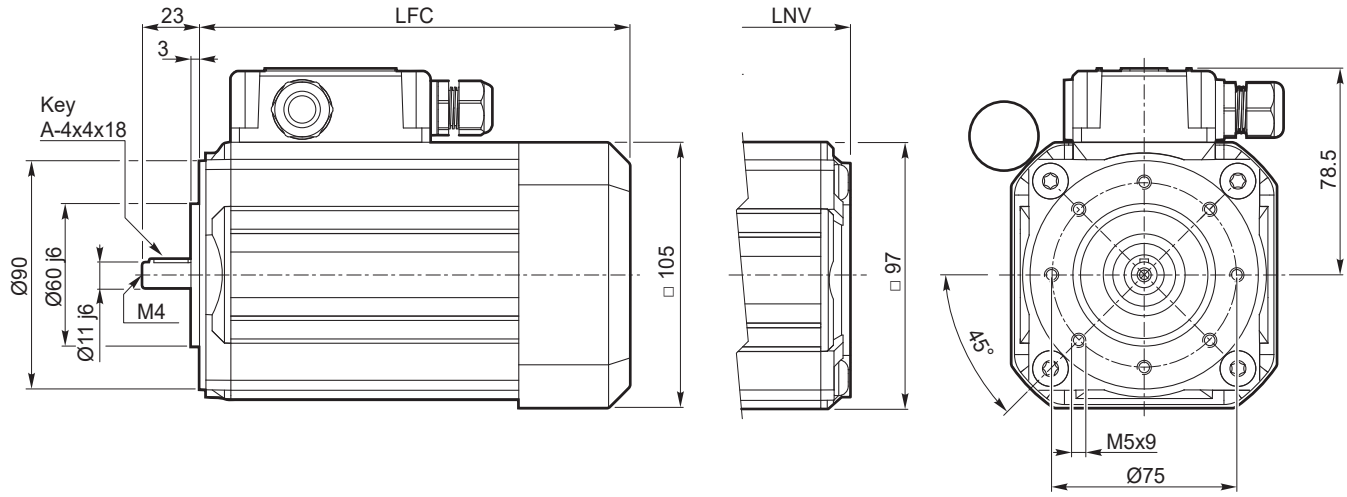
SMM56.. - B14 - TEFC / TENV



SMM	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
5624	151	3.3	127	3.2
5634	171	3.9	147	3.8
5644	206	5.0	182	4.9

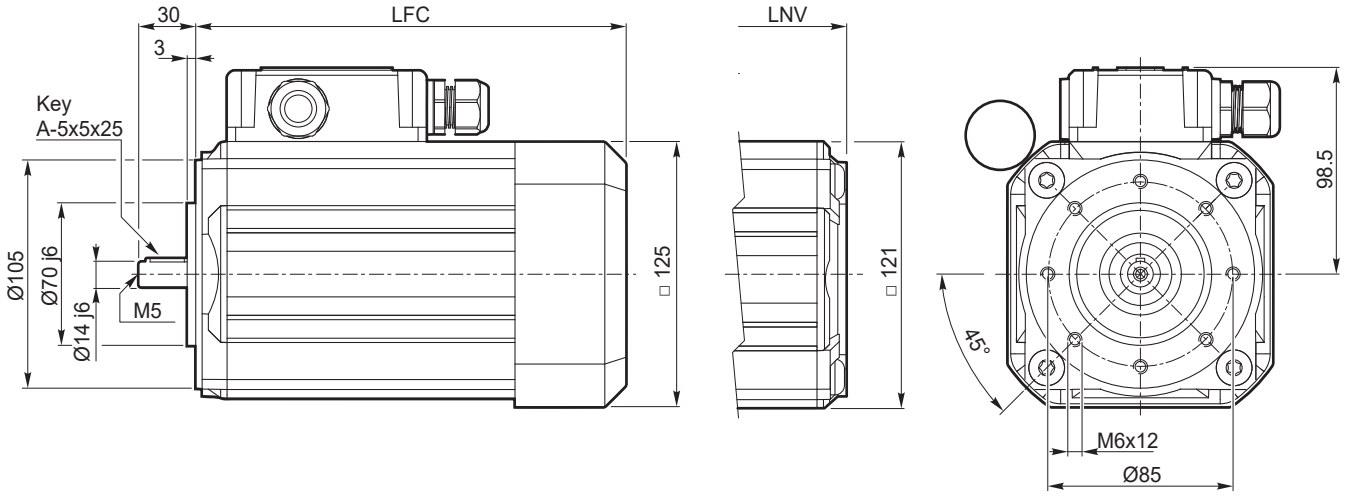
Dimensioni motori monofase | ***Single phase motors dimensions*** | **Abmessungen von Einphasenmotoren**

1 ~ SMM63.. - B14 - TEFC / TENV



SMM	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
6324	180.5	5.1	153.5	5.0
6334	205.5	6.2	178.5	6.1

1 ~ SMM71.. - B14 - TEFC / TENV

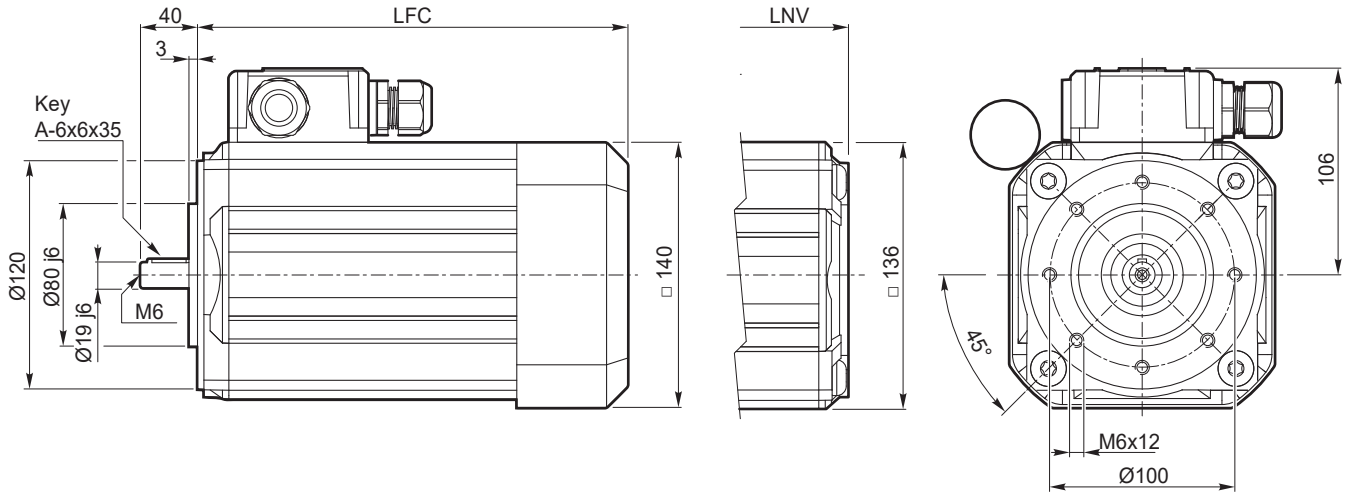


SMM	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
7124	189	7.3	160.5	7.1
7134	214	9.2	185.5	9.0

Dimensioni motori monofase ***Single phase motors dimensions*** **Abmessungen von Einphasenmotoren**

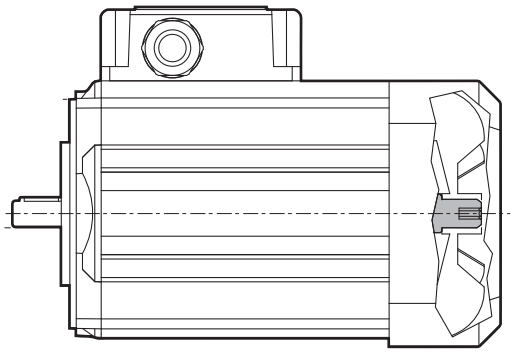
1 ~

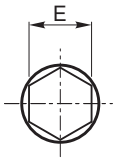
SMM80.. - B14 - TEFC / TENV



SMM	... TEFC		... TENV	
	LFC	Kg	LNV	Kg
8024	233	11.8	196	11.5

Cava esagonale ***Hexagonal socket*** **Innensechskant**





Esagono / *Hexagon* / Sechskant

SM..	E
50	4
56	
63	
71	6
80	
90	

Nota:

Installare a monte dell'alimentazione un dispositivo che assicuri la disconnessione della rete omnipolare, durante le operazioni di rotazione manuale è obbligatorio l'utilizzo di tale sezionatore.

Il quadro elettrico del motore deve essere lucchettabile al fine di evitare il riarmo non previsto alla rete elettrica.

E' severamente vietata la messa in servizio del motore elettrico senza copriventola opportunamente montata.

Note:

An omnipolar cut-off device must be fitted upstream of the power supply; the use of this device is mandatory during manual rotation operations.

The switchgear for the motor must be padlockable in order to prevent the power supply from being accidentally reset. It is strictly prohibited to put the electric motor into service if the fan cover is not fitted.

Anmerkung:

Vor der Stromversorgung muss eine allpolige Trennvorrichtung anbegracht werden; Die Verwendung dieses Geräts ist bei manuellen Drehvorgängen obligatorisch.

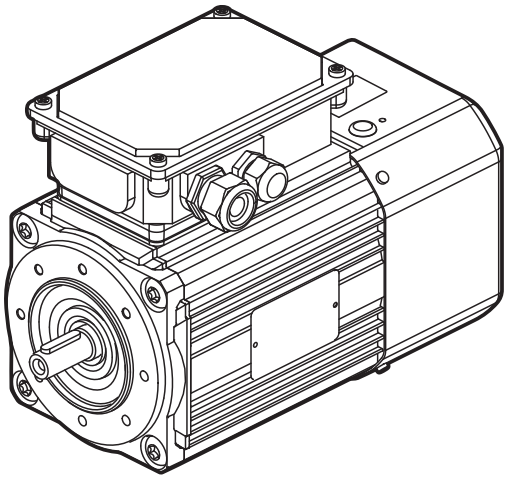
Das Schaltgerät für den Motor muss abschließbar sein, um ein unbeabsichtigtes Wiedereinschalten der Stromversorgung zu verhindern.

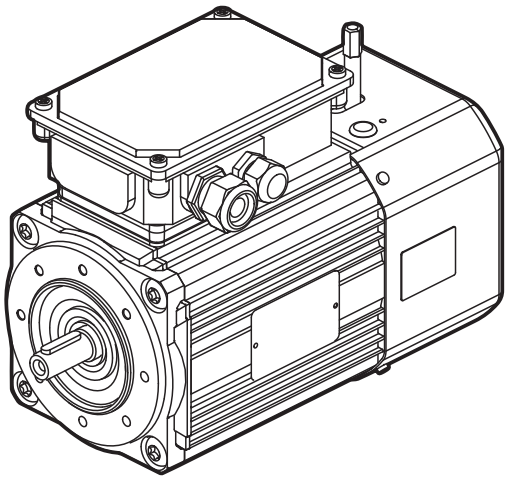
Es ist strengstens verboten, den Elektromotor ohne montierte Lüfterhaube in Betrieb zu nehmen.

Motori elettrici CA - SMT BR | ***AC Electric motors - SMT BR*** | **AC Motoren - SMT BR**

autofrenanti | ***with brake*** | **selbstbremsend**

Caratteristiche tecniche | ***Technical characteristics*** | **Technische Merkmale**





IP66 TRANSTECNO

BRAKE

SMT..TEFC BR

SMT..TEFC BRL

I motori autofrenanti delle serie SMT..BR hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP66 (freno IP66 e IP65)
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente: 0°C / + 40°C (Per utilizzo a temperature diverse contattare il ns. servizio tecnico)
- Disponibili nella versione ventilata TEFC (servizio S1)
- Protezioni termiche PTO 150°C
- Adatti al funzionamento con alimentazione da inverter (Richiedere opzione freno con alimentazione separata)
- SMT80 e SMT90 conformi alla classe di rendimento IE3.

- Cava esagonale su albero motore lato NDE.
- La tolleranza di tensione è ±10% per tutti i motori
- Il freno è a corrente continua

SMT..BR braked motor range has the following main features:

- *Compact design*
- *AC three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC electric motor in IP66 protection Standard (IP66 and IP65 brake)*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: 0°C / +40°C (For different temperatures contact Transtecno Technical Dept)*
- *Fan cooled TEFC (duty S1) available*
- *PTO 150°C thermal protection*
- *Suitable to be driven by inverter (Request brake option with separate power supply)*
- *SMT80 and SMT90 in compliance to the Standard efficiency class IE3*
- *Motor shaft hexagon socket on the NDE side*
- *The voltage tolerance is ±10% for all motors*
- *The brake is DC*

Die selbstbremsenden Motoren der Serien SMT..BR haben die folgenden Hauptmerkmale:

- kompakte Bauweise
- dreiphasige Wechselstrommotoren
- schwarz eloxiertes, stranggepresstes Aluminiumgehäuse
- AC-Elektromotor mit Schutzart IP66 (Bremse IP66 und IP65)
- geräusch- und vibrationsarm
- Wärmedämmung der Klasse F
- Motorflansch IEC B14
- Umgebungstemperatur: 0°C / + 40°C (Für den Einsatz bei anderen Temperaturen kontaktieren Sie bitte unseren technischen Service)
- erhältlich in der belüfteten Version TEFC (Service S1)
- thermische Schutzvorrichtungen PTO 150°C
- geeignet für den Betrieb mit Umrichterspeisung (Bremsenoption mit separater Speisung anfordern)
- SMT80 und SMT90 entsprechen der Effizienzklasse IE3.
- Sechskantaussparung auf der Motorwelle auf der NDE-Seite.
- die Spannungstoleranz beträgt ±10% für alle Motoren
- die Bremse ist DC

Motori elettrici CA - SMT BR | ***AC Electric motors - SMT BR*** | **AC Motoren - SMT BR**

autofrenanti | ***with brake*** | **selbstbremsend**

Dati tecnici | ***Technical data*** | **Technische Daten**

SMT..BR Motori trifase autofrenanti / *Three phase motors with brake / selbstbremsende Drehstrommotoren*

(230-400 V / 50 Hz) poli / *poles / polig* 4

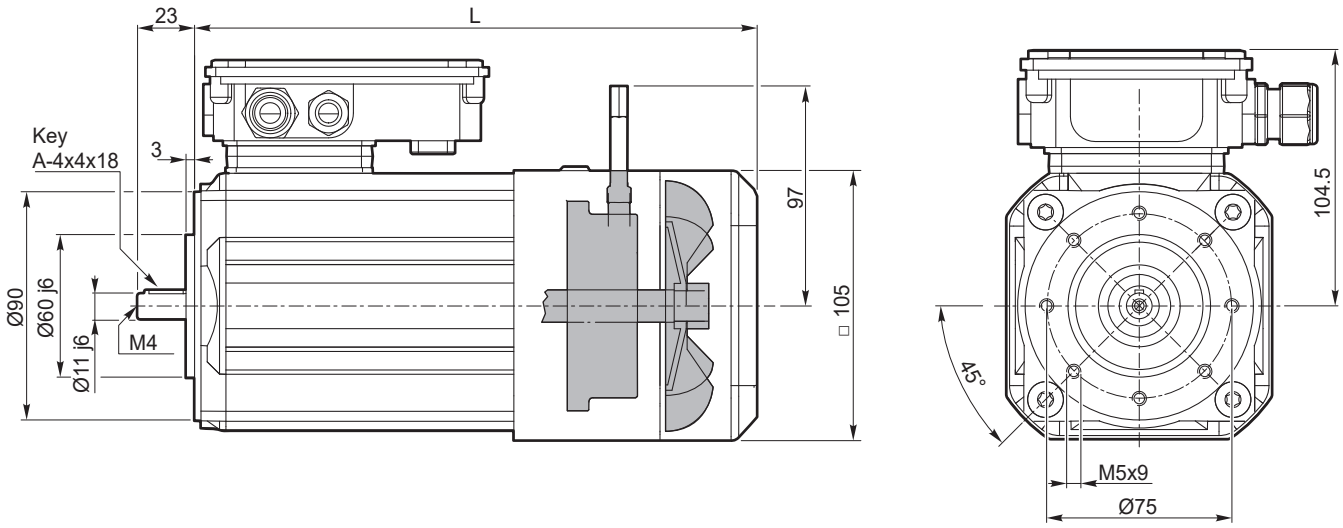
	Tipo *Type* Typ	P_n [kW]	M_n [Nm]	n_n [min^{-1}]	I_n (400V) [A]	η %	cosφ	M_s/M_n	I_s/I_n	M_k/M_n	PTO	S TEFC	IP Motore *Motor* Motoren	M_b [Nm]	IP Freno *Brake* selbstbr.
	SMT6324B14.BR(L)	0.18	1.26	1360	0.69	57.0	0.66	2.50	2.90	2.50	PTO 150°	S3 75%	66	4	66
	SMT6334B14.BR(L)	0.25	1.74	1375	0.94	62.0	0.64	2.80	3.00	2.80				4	66
	SMT7124B14.BR(L)	0.37	2.52	1400	1.10	67.9	0.72	2.75	4.20	2.75				7.5	65
	SMT7134B14.BR(L)	0.55	3.76	1395	1.55	70.2	0.73	2.90	4.40	2.90				7.5	65
IE3	SMT8024B14IE3.BR(L)	0.75	4.96	1440	1.94	82.5	0.68	3.6	6.00	3.70		S1		15	65
IE3	SMT8034B14IE3.BR(L)	1.1	7.25	1450	2.91	84.1	0.65	4.0	6.80	4.40				15	65
IE3	SMT9024B14IE3.BR(L)	1.5	10.0	1430	3.48	85.3	0.73	3.2	6.30	3.50				20	66
IE3	SMT9034B14IE3.BR(L)	2.2	14.9	1410	4.68	86.7	0.79	3.0	6.20	3.30				30	65

Per dimensioni e ulteriori dati consultare la documentazione disponibile sul sito **www.transtecno.com**
*For dimensions and further data, please see the documentation available on the website **www.transtecno.com***
Abmessungen und weitere Daten entnehmen Sie bitte der Dokumentation auf der Website **www.transtecno.com**

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT63.. - B14 - TEFC - BR (L)



Nota:
La leva di sblocco è una opzione che va specificata in fase di ordine.

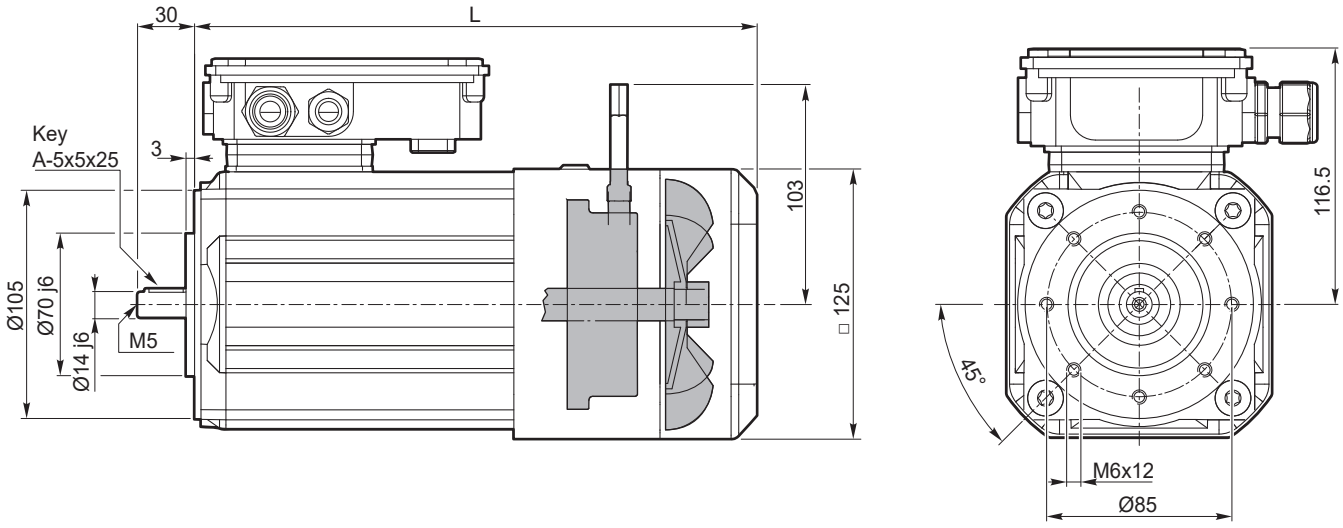
Note:
The release lever is an option that must be requested when ordering.

Anmerkung:
Der Entriegelungshebel ist eine Option, die in der Bestellphase angefragt werden soll.

SMT..BR	... TEFC	
	L	Kg
6324	211	5.8
6334	226	6.5

3 ~

SMT71.. - B14 - TEFC - BR (L)



Nota:
La leva di sblocco è una opzione che va specificata in fase di ordine.

Note:
The release lever is an option that must be requested when ordering.

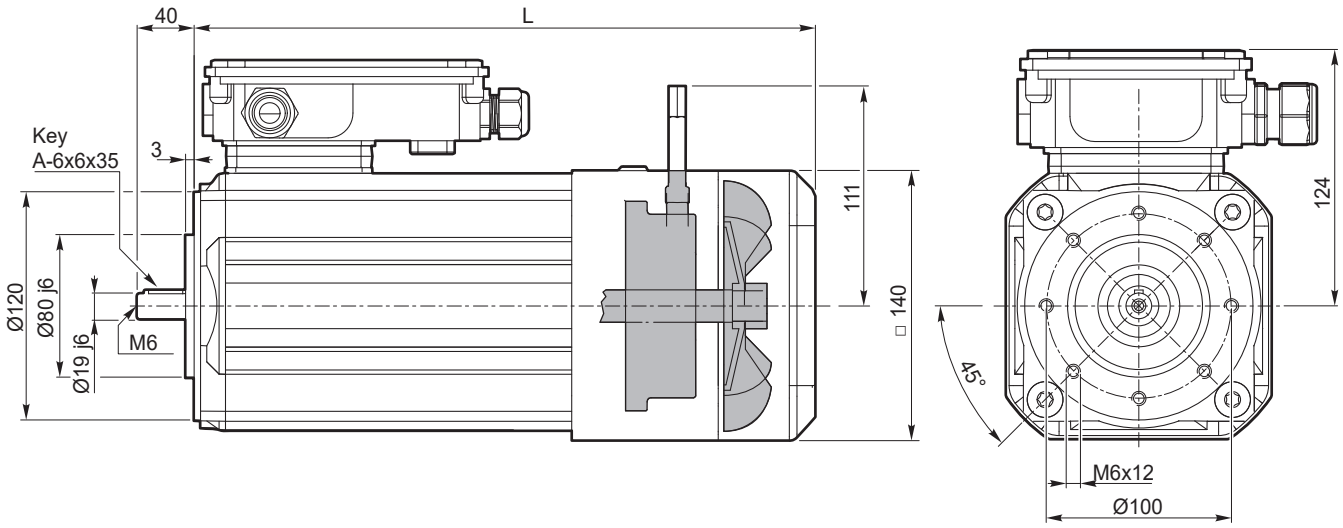
Anmerkung:
Der Entriegelungshebel ist eine Option, die in der Bestellphase angefragt werden soll.

SMT..BR	... TEFC	
	L	Kg
7124	221	7.8
7134	236	8.9

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT80.. - B14 - TEFC - BR (L)



Nota:
La leva di sblocco è una opzione che va specificata in fase di ordine.

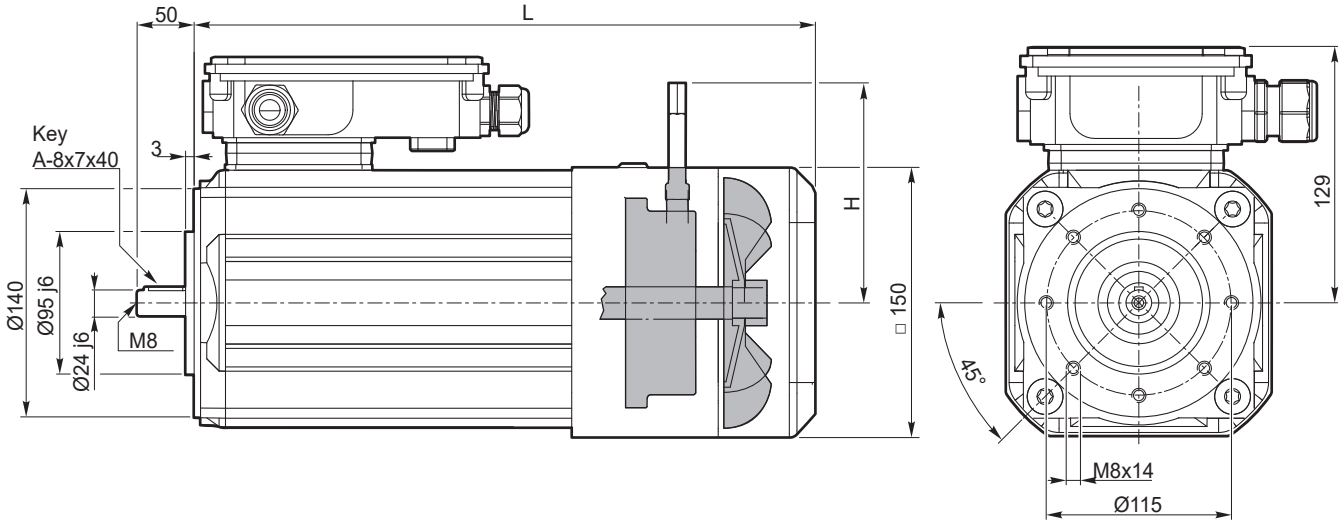
Note:
The release lever is an option that must be requested when ordering.

Anmerkung:
Der Entriegelungshebel ist eine Option, die in der Bestellphase angefragt werden soll.

SMT..BR	... TEFC	
	L	Kg
8024	279.5	13.6
8034	329.5	17.9

3 ~

SMT90.. - B14 - TEFC - BR (L)



Nota:
La leva di sblocco è una opzione che va specificata in fase di ordine.

Note:
The release lever is an option that must be requested when ordering.

Anmerkung:
Der Entriegelungshebel ist eine Option, die in der Bestellphase angefragt werden soll.

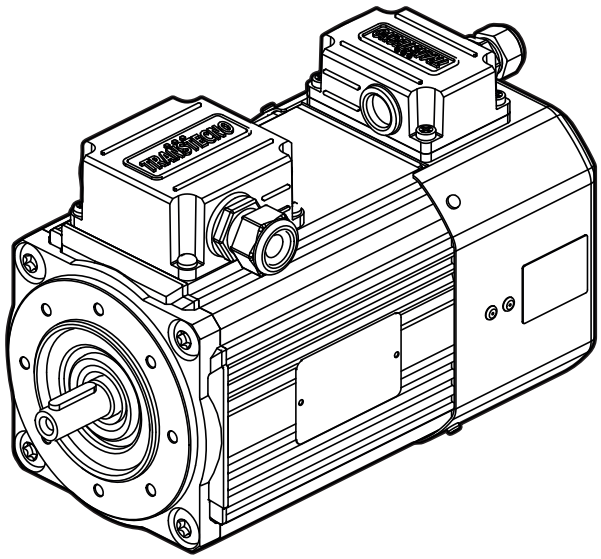
SMT..BR	... TEFC	
	L	Kg
9024	343	20.6
9034	373	24.7

SMT..BRL	... TEFC		
	L	H	Kg
9024	343	111.5	20.9
9034	367	138	25

Motori elettrici CA - SMT SV
servoventilati
Caratteristiche tecniche

AC Electric motors - SMT SV
with forced-ventilation
Technical characteristics

AC Motoren - SMT SV
selbstbremsend Drehstrommotoren
Technische Merkmale



SMT..SV

I motori delle serie SMT..SV hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP 66 (solo motore - servoventola con grado di protezione IP44)
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente: 0°C / + 40°C (Per utilizzo a temperature diverse contattare il ns. servizio tecnico)
- Protezioni termiche PTO 150°C
- Adatti al funzionamento con alimentazione da inverter
- SMT80 e SMT90 conformi alla classe di rendimento IE3.
- La tolleranza di tensione è ±10% per tutti i motori

SMT..SV motor range has the following main features:

- *Compact design*
- *AC three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC Electric motors with IP66 Protection standard (only motor - Servo fan with IP44 protection Standard)*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: 0°C / +40°C (For different temperatures contact Transtecno Technical Dept)*
- *PTO 150°C thermal protection*
- *Suitable to be driven by inverter*
- *SMT80 and SMT90 in compliance to the Standard efficiency class IE3*
- *The voltage tolerance is ±10% for all motors*

Die Motoren der Serien SMT..SV haben die folgenden Hauptmerkmale:

- kompakte Bauweise
- dreiphasige Wechselstrommotoren
- schwarz eloxiertes, stranggepresstes Aluminiumgehäuse
- AC-Elektromotor mit Schutzart IP66 (nur Motor - Servolüfter mit Schutzart IP44)
- geräusch- und vibrationsarm
- Wärmedämmung der Klasse F
- Motorflansch IEC B14
- Umgebungstemperatur: 0°C / + 40°C (Für den Einsatz bei anderen Temperaturen kontaktieren Sie bitte unseren technischen Service)
- thermische Schutzvorrichtungen PTO 150°C
- geeignet für den Betrieb mit Wechselrichterstromversorgung
- SMT80 und SMT90 entsprechen der Effizienzklasse IE3.
- die Spannungstoleranz beträgt ±10% für alle Motoren

Motori elettrici CA - SMT SV | ***AC Electric motors - SMT VS*** | **AC Motoren - SMT SV**

servoventilati | ***with forced-ventilation*** | **selbstbremsend Drehstrommotoren**

Dati tecnici | ***Technical data*** | **Technische Daten**

SMT..SV Motori trifase servoventilati / *hree phase motors with forced-ventilation / servobelüftete Drehstrommotoren*

(230-400 V / 50 Hz) poli / *poles / polig* 4

	Tipo *Type* Typ	P_n [kW]	M_n [Nm]	n_n [min^{-1}]	I_n (400V) [A]	η %	cosφ	M_s/M_n	I_s/I_n	M_k/M_n	PTO	S SV	IP Motore *Motor* Motoren	IP Servoventola Forced vent. Drehstrom.	P_{sf} [W]
	SMT6324B14.SV	0.18	1.26	1360	0.69	57.0	0.66	2.50	2.90	2.50	PTO 150°	S3 75%	66	44	11-9
	SMT6334B14.SV	0.25	1.74	1375	0.94	62.0	0.64	2.80	3.00	2.80				44	11-9
	SMT6344B14.SV	0.37	2.60	1360	1.24	65.3	0.66	2.70	3.00	2.70				44	11-9
	SMT7124B14.SV	0.37	2.52	1400	1.10	67.9	0.72	2.75	4.20	2.75				44	14-16
	SMT7134B14.SV	0.55	3.76	1395	1.55	70.2	0.73	2.90	4.40	2.90				44	14-16
	SMT7144B14.SV	0.75	5.09	1405	2.00	74.0	0.73	2.90	5.00	2.90				44	14-16
IE3	**SMT8024B14IE3.SV**	0.75	4.96	1440	1.94	82.5	0.68	3.6	6.00	3.70		S1		44	14-16
IE3	**SMT8034B14IE3.SV**	1.1	7.25	1450	2.91	84.1	0.65	4.0	6.80	4.40				44	14-16
IE3	**SMT9024B14IE3.SV**	1.5	10.0	1430	3.48	85.3	0.73	3.2	6.30	3.50				44	30-26
IE3	**SMT9034B14IE3.SV**	2.2	14.9	1410	4.68	86.7	0.79	3.0	6.20	3.30				44	30-26

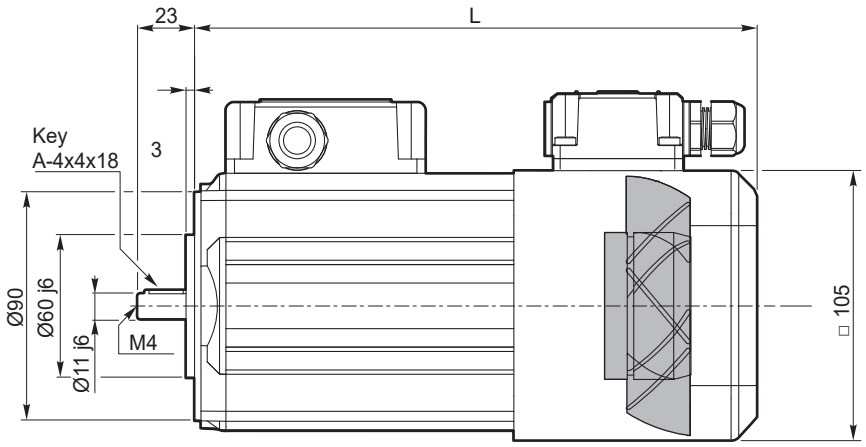
Alimentazione della servoventola: 200-240 Vac / 50-60 Hz
Forced ventilation supply voltage: 200-240 Vac / 50-60 Hz
Stromversorgung des Servolüfters: 200-240 Vac / 50-60 Hz

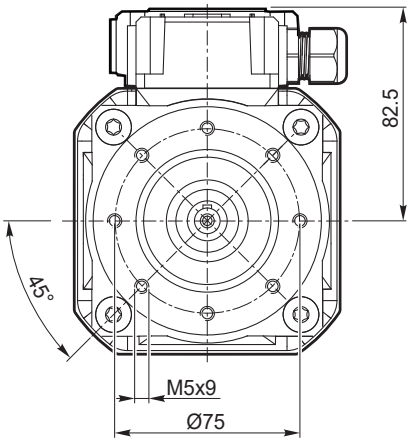
Per dimensioni e ulteriori dati consultare la documentazione disponibile sul sito **www.transtecno.com**
*For dimensions and further data, please see the documentation available on the website **www.transtecno.com***
Abmessungen und weitere Daten entnehmen Sie bitte der Dokumentation auf der Website **www.transtecno.com**

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT63.. - B14 - SV

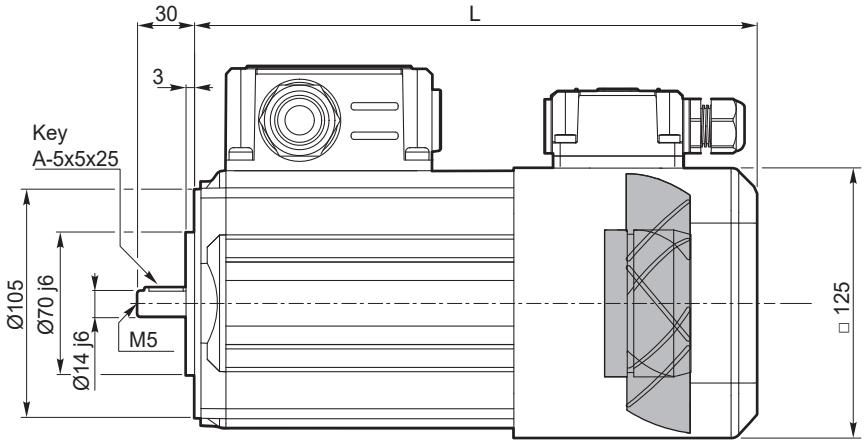


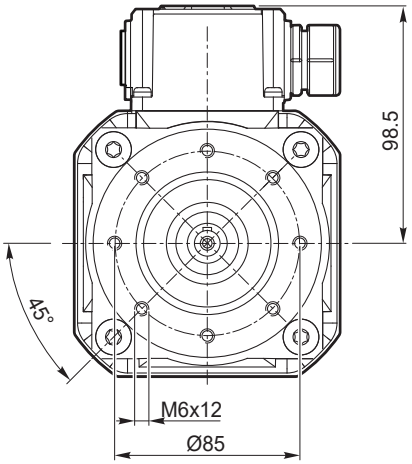


SMT	... SV	
	L	Kg
6324	210	5.0
6334	225	5.7
6344	250	6.8

3 ~

SMT71.. - B14 - SV





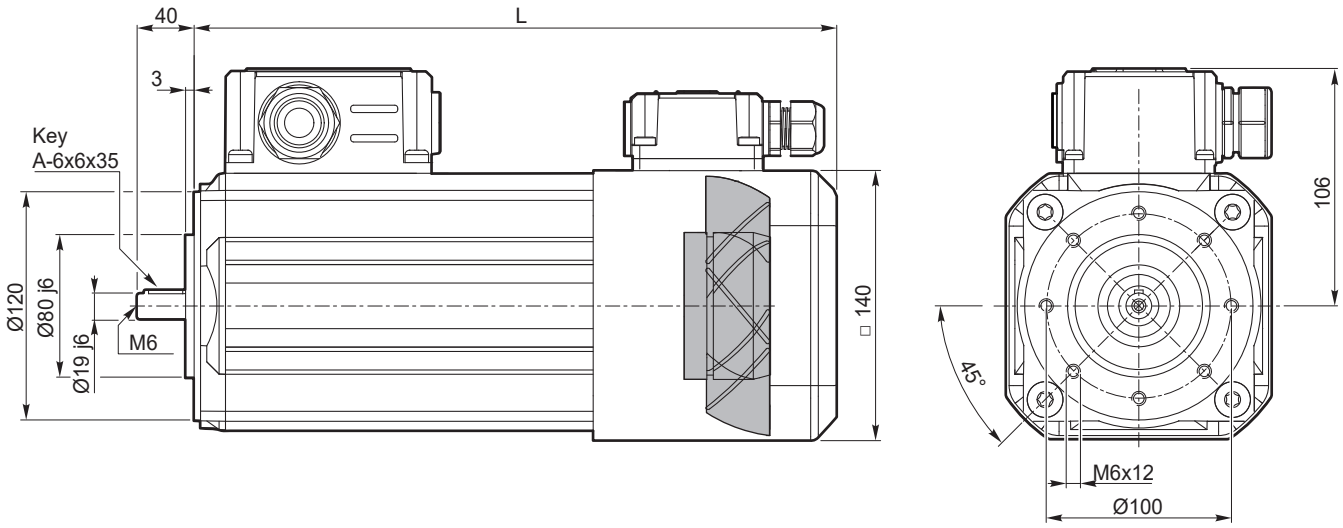
SMT	... SV	
	L	Kg
7124	219	7.5
7134	234	8.5
7144	259	10.2

Mot

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

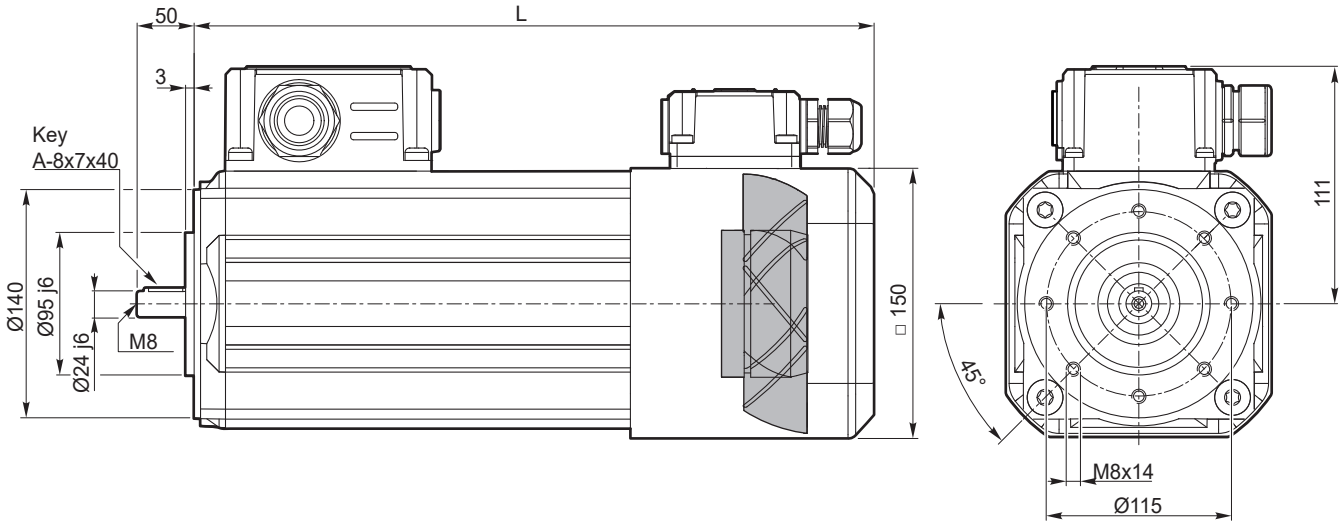
SMT80.. - B14 - SV



SMT	... SV	
	L	Kg
8024	278	12.7
8034	328	17

3 ~

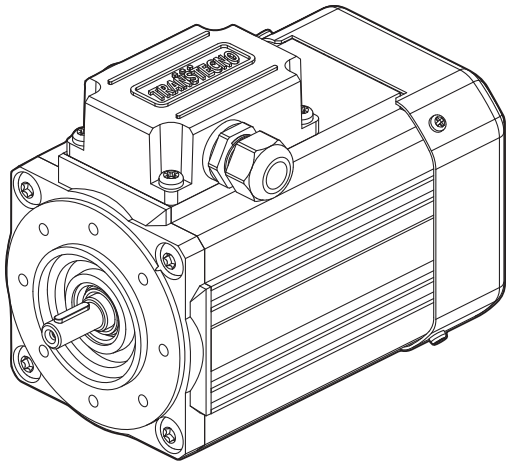
SMT90.. - B14 - SV



SMT	... SV	
	L	Kg
9024	341	19.3
9034	371	22.6

Motori elettrici CA - SM UL/CSA | *AC Electric motors - SM UL/CSA* | AC Motoren - SM UL / CSA

Caratteristiche tecniche | ***Technical characteristics*** | **Technische Merkmale**



SM .. UL/CSA

IP66 TRANSTECNO

c UL us

File E511911

I motori certificati UL/CSA delle serie SMT ed SMM hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata monofase e trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP66 (escluso condensatore)
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IECB14
- Temperatura ambiente:-20°C/+40°C
- Disponibili nella versione ventilata TEFC (servizio S1).
- Protezione termica PTO 150°C
- Motori trifase SMT dotati di separatori di fase
- Cava esagonale su albero motore lato NDE
- Condensatore di marcia per motori monofase SMM
- La tolleranza di tensione è ±10%
- Standard applicati:

  UL1004-1: Rotating Electrical Machines General Requirements

  CSA:100-14: Motors and Generators

SMT and SMM motor range with UL/CSA Certification has the following main features:

- *Compact design*
- *AC single phase and three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC electric motor in IP66 protection Standard (except capacitor)*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: -20°C / +40°C*
- *Fan cooled TEFC (duty S1)*
- *PTO 150° C thermal protection*
- *Three phase motors SMT equipped with phase separators.*
- *Motor shaft hexagon socket on the NDE side.*
- *Running capacitor for single phase motors SMM.*
- *Voltage tolerance ±10%*
- *Standards applied:*

  UL1004-1: RotatingElectricalMachines-GeneralRequirements

  CSA:100-14: Motorsand Generators

Die UL/CSA-zertifizierten Motoren der Serien SMT und SMM haben die folgenden Hauptmerkmale:

- kompakte Bauweise
- einphasige und dreiphasige Wechselstrommotoren
- schwarz eloxiertes, strangepresstes Aluminiumgehäuse
- AC-Elektromotor mit Schutzart IP66 (außer Kondensator)
- geräusch- und vibrationsarm
- Wärmedämmung der Klasse F
- Motorflansch IECB14
- Umgebungstemperatur: 20°C/+40°C
- erhältlich in der belüfteten Version TEFC (Service S1).
- thermische Schutzvorrichtungen PTO 150°C
- dreiphasige SMT-Motoren mit Phasentrennern
- Sechskantaussparung auf der Motorwelle auf der NDE-Seite
- Betriebskondensator für einphasige SMM-Motoren
- die Spannungstoleranz beträgt ±10%
- angewandte Normen: UL1004-1: Rotating Electrical Machines General Requirements
  CSA:100-14: Motors and Generators

Motori elettrici CA - SM UL/CSA | ***AC Electric motors - SM UL/CSA*** | **AC Motoren - SM UL / CSA**

Dati tecnici | ***Technical data*** | **Technische Daten**

SMT Motori trifase / *Three phase motors* / *Drehstrommotoren*

(230-400 V / 50 Hz) poli / *poles* / *polig* 4

(460 V / 60 Hz) poli / *poles* / *polig* 4

Tipo *Type* Typ	P_n [kW]	M_n [Nm]	n_n [min^{-1}]	V - f [V - Hz]	I_n (400-460 V) [A]	η %	cosφ	M_s/M_n	I_s/I_n	M_k/M_n	PTO	S TEFC
5624	0.09	0.63	1365	400 - 50	0.45	47.3	0.61	2.50	2.40	2.70	PTO 150°	S1
	0.11		1660	460 - 60		50.3		2.60	2.60			
5634	0.12	0.88	1300	400 - 50	0.45	52.0	0.74	1.90	2.40	1.90		
	0.14	0.83	1600	460 - 60	0.42	59.0	0.71	2.10	2.70	2.10		
6324	0.18	1.26	1360	400 - 50	0.69	57.0	0.66	2.50	2.90	2.50		
	0.22	1.27	1650	460 - 60		59.7	0.67		3.00			
6334	0.25	1.74	1375	400 - 50	0.94	62.0	0.64	2.80	3.00	2.80		
	0.28	1.59	1690	460 - 60		61.3	0.61	3.00	3.20	3.00		
7124	0.37	2.52	1400	400 - 50	1.09	68.0	0.72	2.75	4.20	2.75		
	0.42	2.35	1700	460 - 60		68.1	0.71	2.90	4.50	2.90		
7134	0.55	3.76	1395	400 - 50	1.55	70.2	0.73	2.90	4.40	2.90		
	0.66	3.71	1700	460 - 60		73.2			4.80	2.80		
8024	0.75	4.96	1440	400 - 50	1.97	82.0	0.67	3.60	6.00	3.70		S3 75%
	0.90	4.93	1740	460 - 60		84.3	0.68	3.40	6.40	3.60		
8034	1.10	7.25	1450	400 - 50	2.92	83.6	0.65	4.0	6.80	4.40		
	1.21	6.65	1740	460 - 60		77.6	0.67	4.4	7.00	4.50		
9024	1.50	10.0	1430	400 - 50	3.48	85.2	0.73	3.2	6.30	3.50		
	1.80	9.88	1740	460 - 60		85.4	0.76	3.4	6.50	3.40		

SMM Motori monofase / *Single phase motors* / *Einphasenmotoren*

(115 V / 60 Hz) poli / *poles* / *polig* 4

Tipo *Type* Typ	P_n [kW]	M_n [Nm]	n_n [min^{-1}]	V - f [V - Hz]	I_n (115V) [A]	η %	cosφ	M_s/M_n	I_s/I_n	M_k/M_n	Cond./Cap./Kond. [µF]	PTO	S TEFC
5624	0.09	0.52	1665	115 - 60	1.60	50.0	0.98	0.64	1.95	1.51	20	PTO 150°	S1
6324	0.18	1.09	1570	115 - 60	2.70	58.5	0.99	1.0	2.1	1.50	40		
7124	0.37	2.18	1620	115 - 60	4.70	69.8	0.98	0.64	2.3	1.33	60		

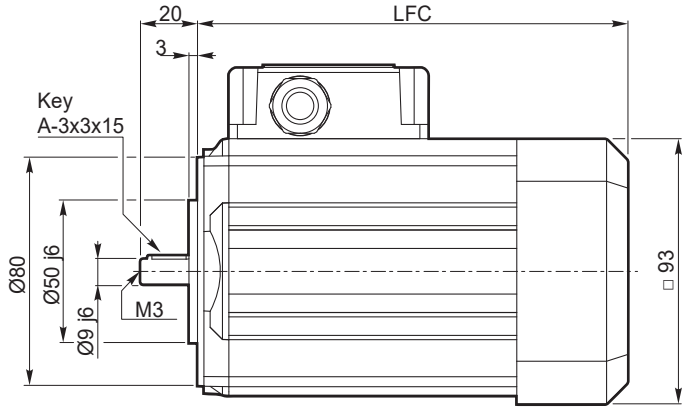
Per la simbologia fare riferimento a pag. E3
For symbols please refer to page E3
Symbole siehe Seite E3

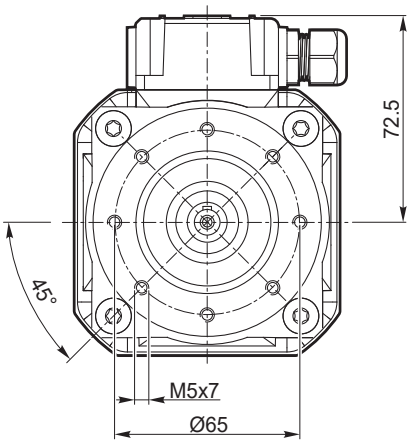
Per dimensioni e ulteriori dati consultare la documentazione disponibile sul sito **www.transtecno.com**
*For dimensions and further data, please see the documentation available on the website **www.transtecno.com***
Abmessungen und weitere Daten entnehmen Sie bitte der Dokumentation auf der Website **www.transtecno.com**

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT56.. - B14 - TEFC

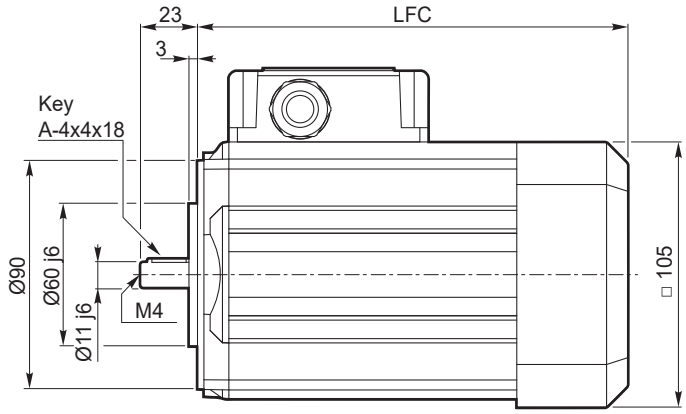


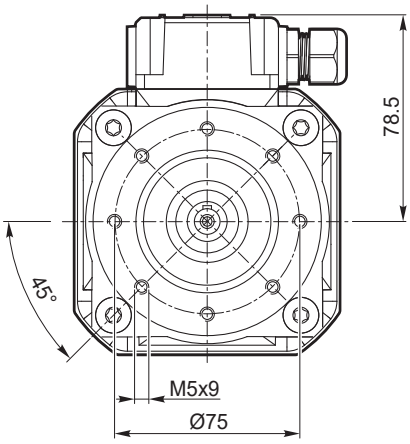


SMT	... TEFC	
	LFC	Kg
5624	186	3.1
5634	186	3.5

3 ~

SMT63.. - B14 - TEFC





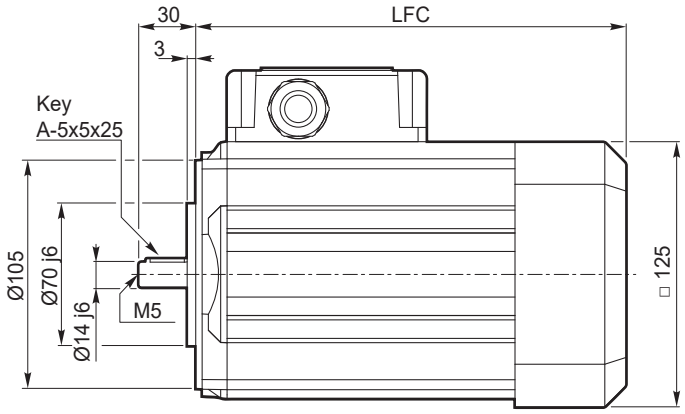
SMT	... TEFC	
	LFC	Kg
6324	205.5	4.7
6334	205.5	5.4

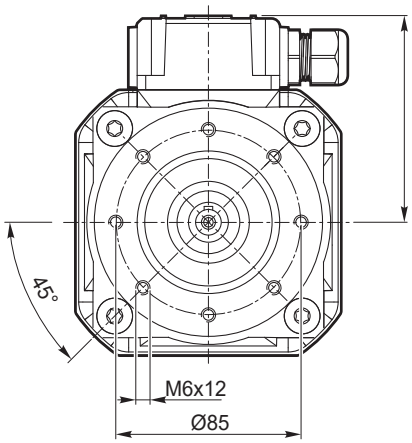
Mot

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT71.. - B14 - TEFC

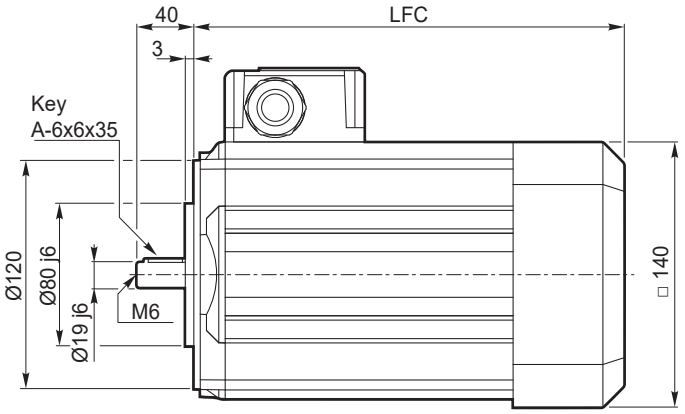


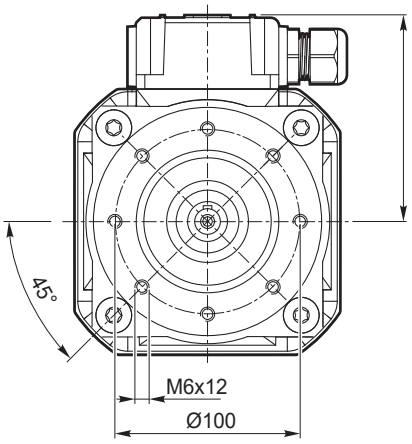


SMT	... TEFC	
	LFC	Kg
7124	214	7.0
7134	214	8.2

3 ~

SMT80.. - B14 - TEFC



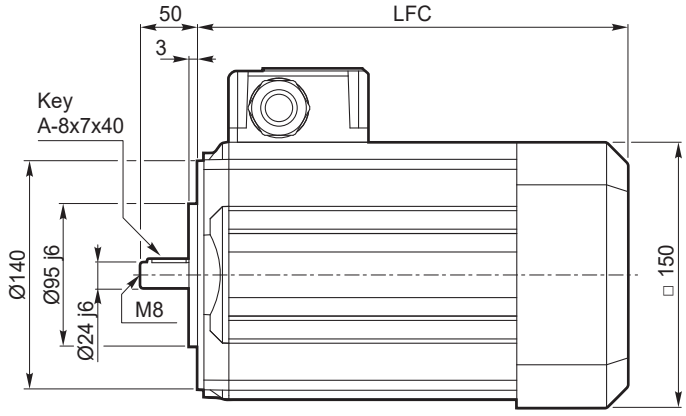


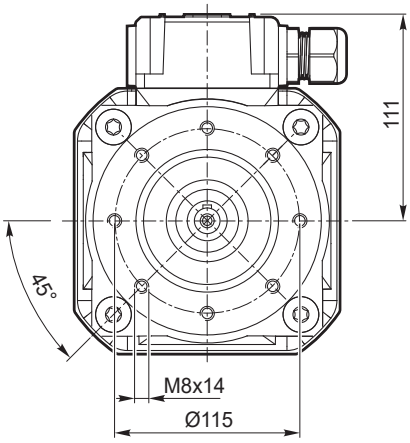
SMT	... TEFC	
	LFC	Kg
8024	283	12.8
8034	309	17.1

Dimensioni motori trifase | ***Three phase motors dimensions*** | **Abmessungen Drehstrommotoren**

3 ~

SMT90.. - B14 - TEFC





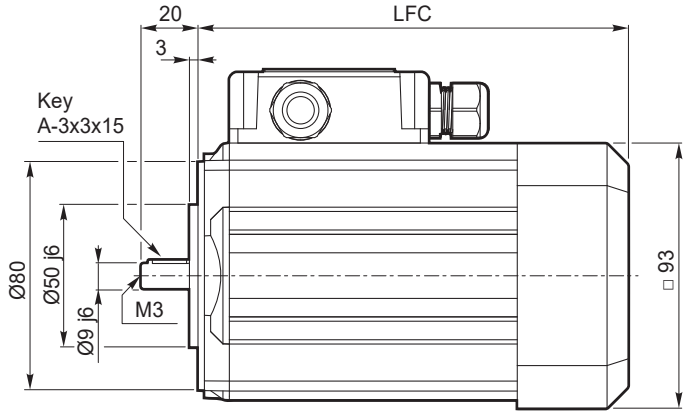
SMT	... TEFC	
	LFC	Kg
9024	313	18.5

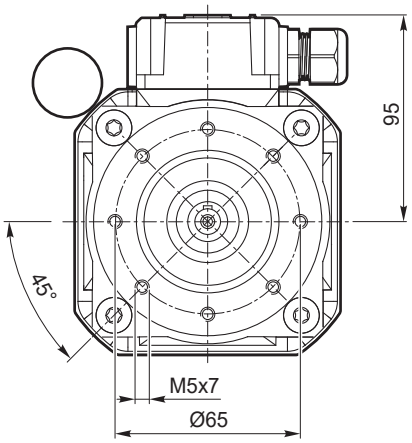
Mot

Dimensioni motori monofase | ***Single phase motors dimensions*** | **Abmessungen von Einphasenmotoren**

1 ~

SMM56.. - B14 - TEFC

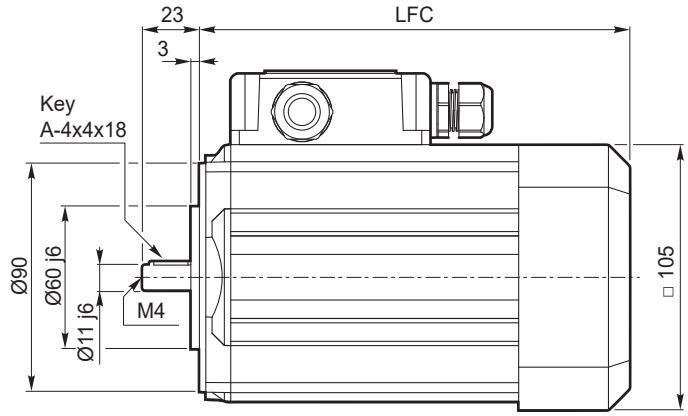


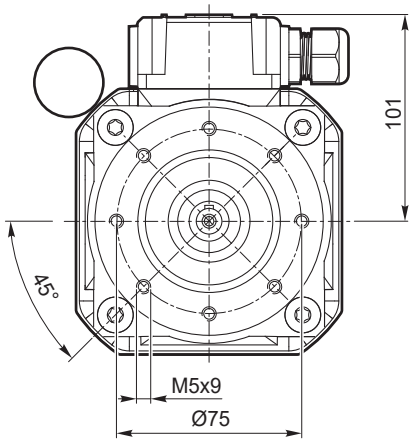


SMM	... TEFC	
	LFC	Kg
5624	186	3.6

1 ~

SMM63.. - B14 - TEFC



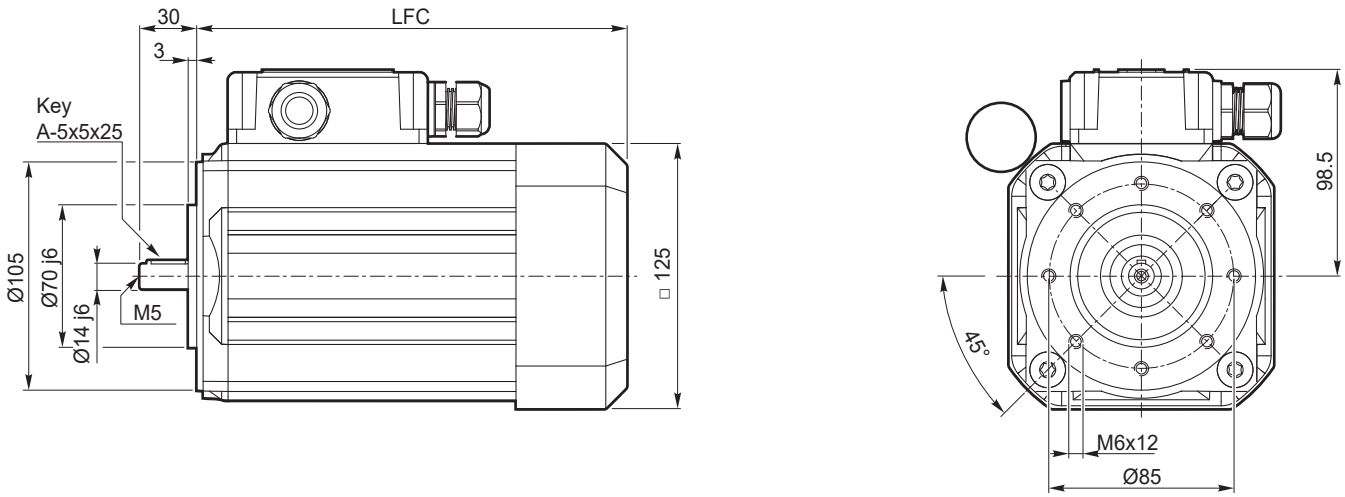


SMM	... TEFC	
	LFC	Kg
6324	205.5	5.5

Dimensioni motori monofase ***Single phase motors dimensions*** **Abmessungen von Einphasenmotoren**

1 ~

SMM71.. - B14 - TEFC



SMM	... TEFC	
	LFC	Kg
7124	214	8.0

Mot

TRANSTECNO SRL
HEADQUARTERS
Company subject to the management
and coordination of INTERPUMP GROUP SPA
Via Caduti di Sabbiuno, 11
40011 Anzola dell'Emilia (BO)
ITALY
T+39 051 64 25 811
F +39 051 73 49 43
sales@transtecno.com
www.transtecno.com

DRAINTECH
TRANSMISSION TECHNOLOGIES

member of
TRANSTECNO
group

HANGZHOU INTERPUMP
POWER TRANSMISSIONS CO LTD
No.4 Xiuyan Road Fengdu Industry Zone
Pingyao Town Yuhang District
Hangzhou City, Zhejiang Province
311115 – CHINA
T +86 571 86 92 02 60
info-china@transtecno.cn
www.transtecno.cn

TRANSTECNO IBÉRICA
THE MODULAR GEARMOTOR, S.A.
Carrer de la Ciència, 45
08840 Viladecans (Barcelona) - SPAIN
T +34 931 598 950
info@transtecno.es
www.transtecno.es

TRANSTECNO B.V.
Siliciumweg 32
3812 SX Amersfoort - NETHERLANDS
T +31(0) 33 45 19 505
info@transtecno.nl
www.transtecno.nl

TRANSTECNO AANDRIJFTECHNIEK B.V.
Siliciumweg 32
3812 SX Amersfoort - NETHERLANDS
T +31 (0) 33 20 4 7 006
info@transtecnoaandrijftechniek.nl
www.transtecnoaandrijftechniek.nl

MA TRANSTECNO S.A.P.I. DE C.V.
Julián Sepúlveda Dávila #107,
Parque Industrial SG
Apodaca, Nuevo León, CP. 66640
MÉXICO
T +52 8113340920
info@transtecno.com.mx
www.transtecno.com.mx

TRANSTECNO USA
8 Creek Parkway,
Boothwyn PA 19061-8136 - UNITED STATES
T + 1 (610) 4970154

TRANSTECNO USA – WEST COAST BRANCH
14561 Fryelands Blvd SE
Monroe, WA 98272 - UNITED STATES
T +1 360-863-1300
usaoffice@transtecno.com
www.transtecno.com

TRANSTECNO CANADA
51 B Caldari Road Unit 10
Vaughan, ON L4K 4G3 - CANADA
T +1 905 761 0762
canadaoffice@transtecno.com
www.transtecno.com

TRANSTECNO INDIA
#6A, Sipcot Industrial complex, Phase-1,Elasagiri Road
Hosur – 635126 Tamilnadu - INDIA
T +91 4344 274434
M +91 81443 88800

TRANSTECNO BRAZIL
Rua Gilberto de Zorzi, 525 Forqueta - CEP. 95115-730
CX Postal 3544 Caxias do Sul RS – BRAZIL

TRANSTECNO BRAZIL – SÃO PAULO BRANCH
Rua Fortunato Jose Deltreggia, 745 – CEP: 13347-441
Indaiatuba, São Paulo – BRAZIL
T +55 19 98927 3906

TRANSTECNO BRAZIL – PORTO ALEGRE BRANCH
Rua Dr. Freire Alemão 155 / 402 - CEP. 90450-060
Auxiliadora Porto Alegre RS - BRAZIL
T +55 51 4042 0916
M +55 51 811 45 962
braziloffice@transtecno.com
www.transtecno.com.br

INTERPUMP ANTRIEBSTECHNIK GMBH
Büro Stuttgart - Dieselstraße 6
70738 Fellbach - GERMANY
T +49 (0)171 4781909
germanoffice@transtecno.com
www.transtecno.com

TRANSTECNO AUSTRALIA
1/2 Access Way, CarrumDowns, Victoria, 3201
AUSTRALIA
T +61 (03) 9775 1077
australiaoffice@transtecno.com
www.transtecno.com

SALES OFFICE OCEANIA
Unit 5, 12 Nyholt Drive, Yatala 4207
Queensland - AUSTRALIA
T +61 07 3800 0103
M +61 04 38060997
oceaniaoffice@transtecno.com
www.transtecno.com.au