Modello ALI2 CE

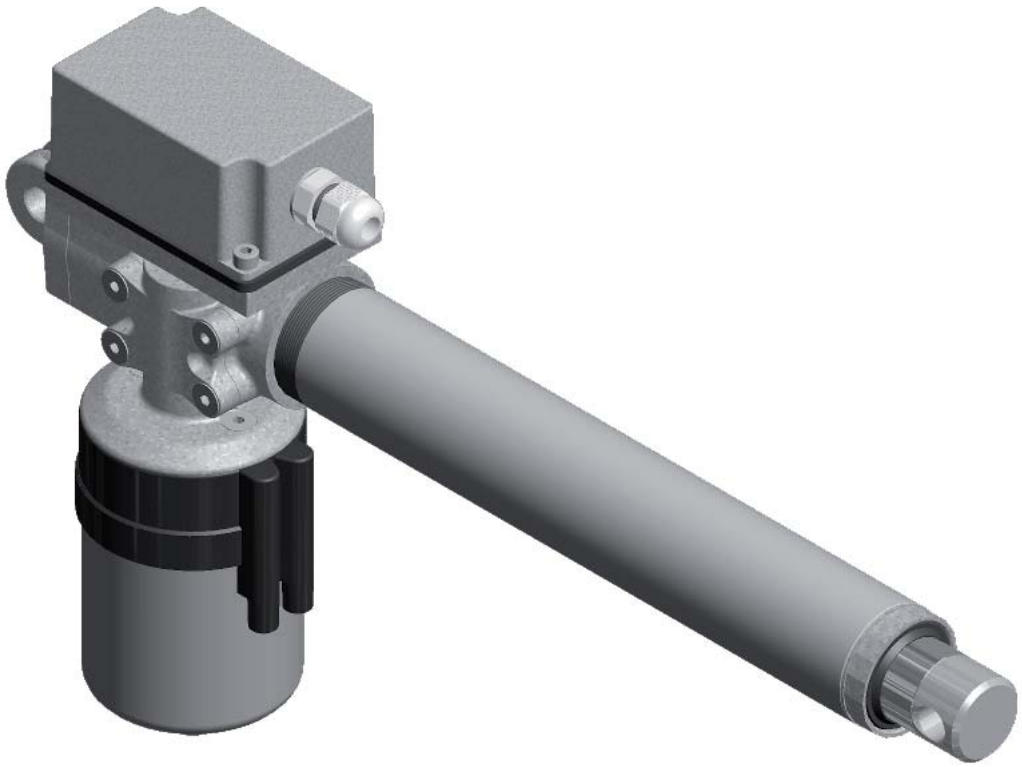
- Motore A.C. monofase-trifase CE
- Motore a magneti permanenti CE
- Riduttore vite senza fine - ruota elicoidale
- Stelo filettato trapezoidale o a ricircolo di sfere (VRS)
- Asta traslante in acciaio cromato
- Lubrificazione permanente a grasso
- IP 65, testato secondo norma CEI EN 60529
  NB: Solo per motori autofrenanti Standard IP54, IP65 a richiesta
- Temperatura di funzionamento -10°C +60°C
- Impiego intermittente (vedi tabelle prestazionali) a 30°C*
- Fine corsa, potenziometro ed encoder a richiesta
- Versione At-Ex II 3 D T4 (motori A.C.) a richiesta

(*) Per impieghi diversi contattare il Ns Ufficio Tecnico.

Model ALI2 CE

- *Three phase or single phase Motor CE*
- *Permanent magnet motor CE*
- *Worm gearbox*
- *Acme lead screw or ballscrew (VRS)*
- *Chrome plated steel push rod*
- *Permanent grease lubrication*
- *IP 65 tested according to rule CEI EN 60529*
  NB: Only for brake motors Standard IP54, IP65 on request
- *Working temperature range -10°C +60°C*
- *Intermittent duty (see performance charts) 30°C**
- *Limit switches, potentiometer and encoder on request*
- *At-Ex II 3 D T4 version (A.C.motor) on request*

(*) For any special duty please contact our technical dept.



ALI2 (Vdc) S3 - 30% 5 min											
Fmax ***Fmax*** **(N)**	**Velocità** ***Speed*** **(mm/s)**	**Versione** ***Version***	**Taglia motore** ***Motor size***	**Potenza motore** ***Motor power*** **(KW)**	**Giri motore** ***Motor speed*** **(rpm)**	**Rapporti Riduzione** ***Gearbox Reduction Ratio***	**D vite** ***Screw D*** **(mm)**	**Passo** ***Pitch*** **(mm)**	**Rendimento** ***Efficiency***	**Corsa max (mm)** ***Max stroke [mm]*** **ALI2-F**	**ALI2**
800	110	M08	61.5	-	3000	1:5	16	12	0.48	735	735
850	70	M09	61.5	-	3000	1:5	16	8	0.34	735	735
1100	55	M10	61.5	-	3000	1:7	16	8	0.31	770	870
1500	40	M11	61.5	-	3000	1:5	16	4	0.30	385	735
2000	30	M12	61.5	-	3000	1:7	16	4	0.27	385	690
2500	20	M13	61.5	-	3000	1:10	16	4	0.23	385	615
2500	10	M14	61.5	-	3000	1:21	16	4	0.22	385	615

ALI2 (Vac - trifase / 3-phase) S3 - 30% 5 min											
Fmax ***Fmax*** **(N)**	**Velocità** ***Speed*** **(mm/s)**	**Versione** ***Version***	**Taglia motore** ***Motor size***	**Potenza motore** ***Motor power*** **(KW)**	**Giri motore** ***Motor speed*** **(rpm)**	**Rapporti Riduzione** ***Gearbox Reduction Ratio***	**D vite** ***Screw D*** **(mm)**	**Passo** ***Pitch*** **(mm)**	**Rendimento** ***Efficiency***	**Corsa max (mm)** ***Max stroke [mm]*** **ALI2-F**	**ALI2**
450	110	M01	IEC50	0.09	2800	1:5	16	12	0.48	760	760
500	70	M02	IEC50	0.09	2800	1:5	16	8	0.34	760	760
650	50	M03	IEC50	0.09	2800	1:7	16	8	0.31	770	900
850	40	M04	IEC50	0.09	2800	1:5	16	4	0.30	385	760
1000	30	M05	IEC50	0.06	1400	1:7	16	8	0.31	770	975
1400	20	M06	IEC50	0.06	1400	1:5	16	4	0.30	385	825
2200	10	M07	IEC50	0.06	1400	1:10	16	4	0.23	385	655
2500	5	M08	IEC50	0.06	1400	1:21	16	4	0.22	385	615

ALI2 VRS (ballscrew) (Vac - trifase / 3-phase) S3 - 30% 5 min											
Fmax ***Fmax*** **(N)**	**Velocità** ***Speed*** **(mm/s)**	**Versione** ***Version***	**Taglia motore** ***Motor size***	**Potenza motore** ***Motor power*** **(KW)**	**Giri motore** ***Motor speed*** **(rpm)**	**Rapporti Riduzione** ***Gearbox Reduction Ratio***	**D vite** ***Screw D*** **(mm)**	**Passo** ***Pitch*** **(mm)**	**Rendimento** ***Efficiency***	**Corsa max (mm)** ***Max stroke [mm]*** **ALI2-VRS-F**	**ALI2-VRS**
1500	45	M01	IEC50	0.09	2800	1:5	14	5	0.72	480	645
1800	30	M02	IEC50	0.09	2800	1:7	14	5	0.65	480	590
2000	20	M03	IEC50	0.06	1400	1:5	14	5	0.72	480	560
2500	10	M04	IEC50	0.06	1400	1:10	14	5	0.56	480	500
2500	5	M05	IEC50	0.06	1400	1:21	14	5	0.54	480	500

Con motori monofase di tipo M(vedi in ACCESSORI paragrafo guida alla scelta del motore) le prestazioni sono inferiori del 20 % rispetto al motore trifase.

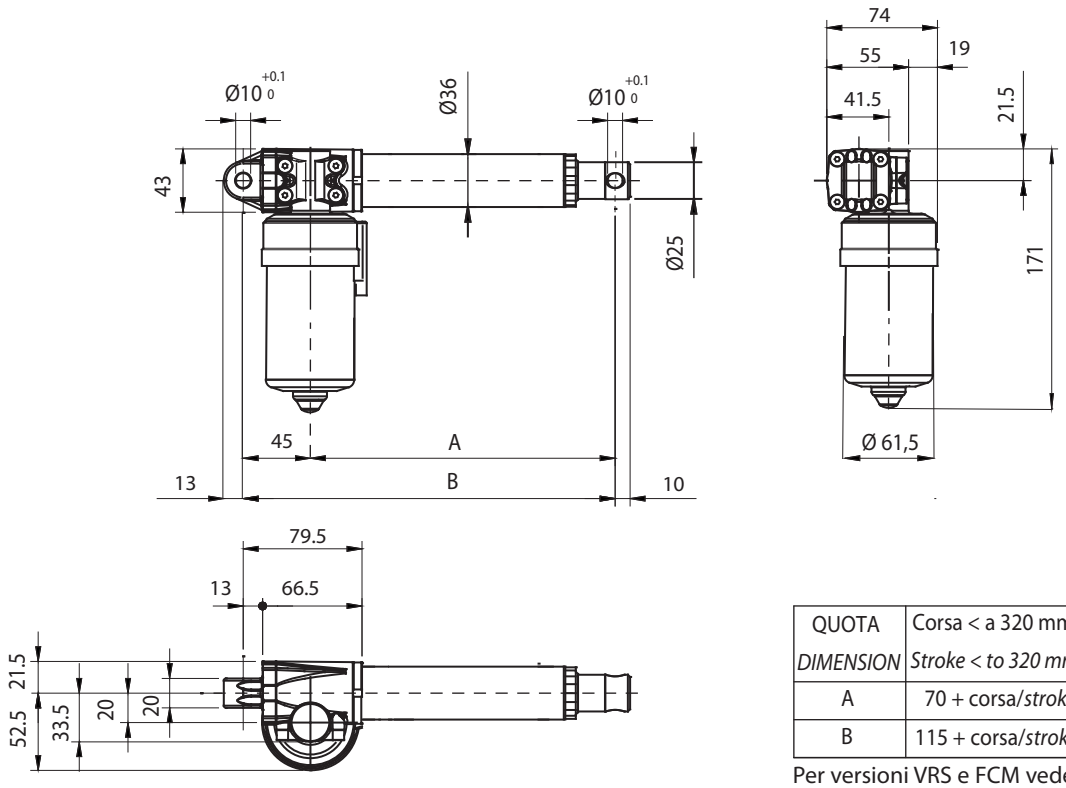
Con motori monofase di tipo ME (vedi in ACCESSORI paragrafo guida alla scelta del motore) le prestazioni sono le stesse del motore trifase.

With single-phase motors of type M (see motor choice guideline in paragraph ACCESSORIES) performances are 20% lower than the three-phase motor.

With single-phase motors of type ME (see motor choice guideline in paragraph ACCESSORIES) the performances are the same as with three-phase motor.

ATTUATORE SENZA FINE CORSA / *ACTUATOR WITHOUT LIMIT SWITCHES*

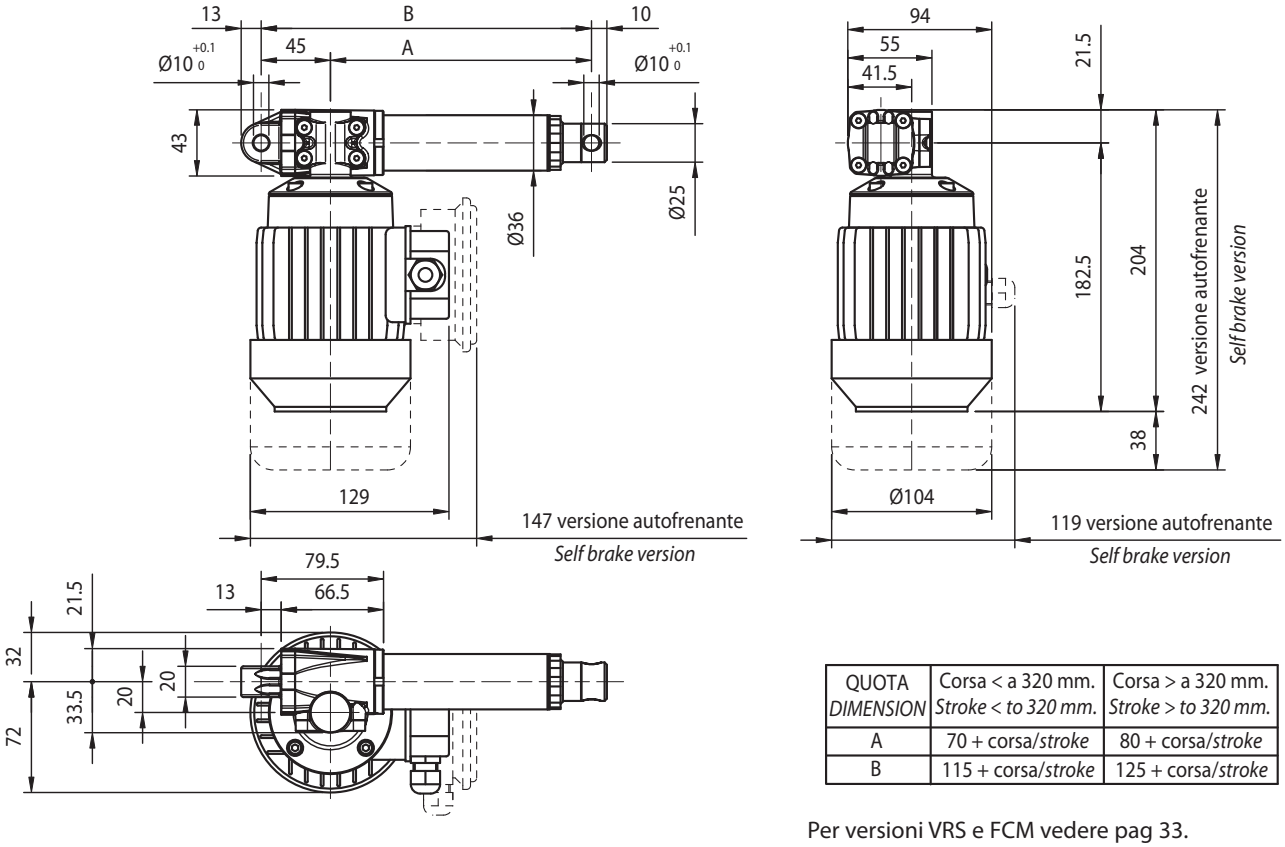
ALI2 - versione C.C. / *D.C. Version*



QUOTA *DIMENSION*	Corsa < a 320 mm. *Stroke < to 320 mm.*	Corsa > a 320 mm. *Stroke > to 320 mm.*
A	70 + corsa/*stroke*	80 + corsa/*stroke*
B	115 + corsa/*stroke*	125 + corsa/*stroke*

Per versioni VRS e FCM vedere pag 33.
For VRS and FCM versions see page 33

ALI2 - versione C.A. / *A.C. Version*

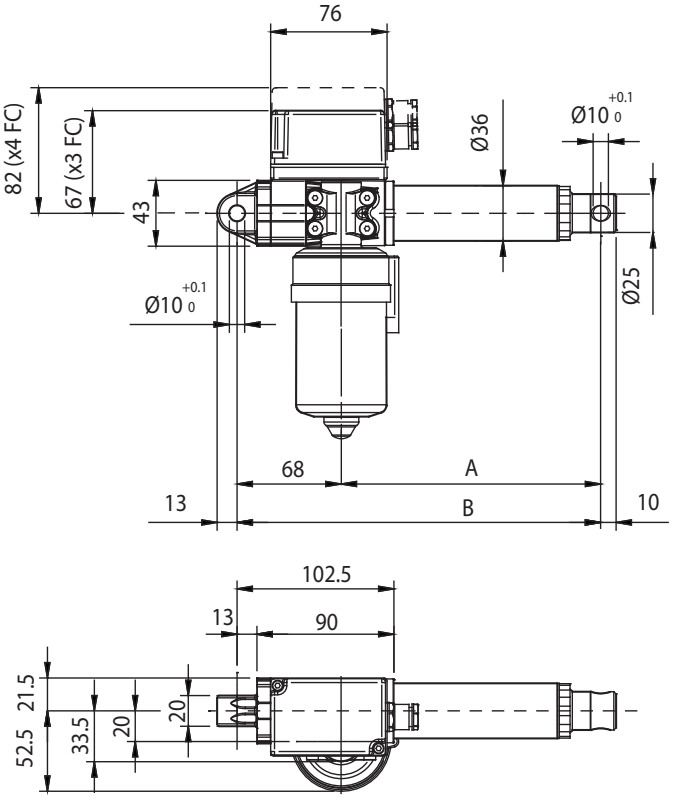


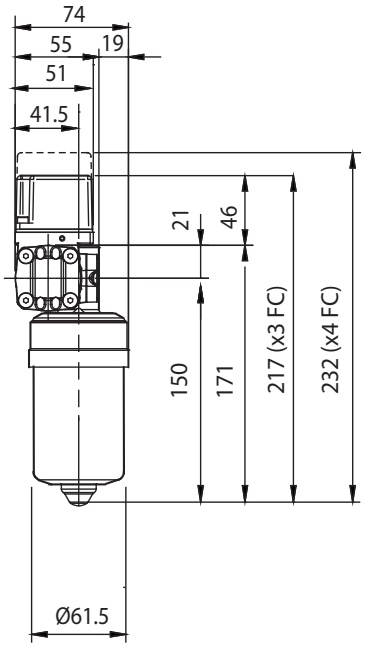
QUOTA *DIMENSION*	Corsa < a 320 mm. *Stroke < to 320 mm.*	Corsa > a 320 mm. *Stroke > to 320 mm.*
A	70 + corsa/*stroke*	80 + corsa/*stroke*
B	115 + corsa/*stroke*	125 + corsa/*stroke*

Per versioni VRS e FCM vedere pag 33.
For VRS and FCM versions see page 33.

ATTUATORE CON FINE CORSA INTEGRATO / *ACTUATOR WITH INTEGRATED LIMIT SWITCHES*

ALI2 - F versione C.C. / *D.C. Version*

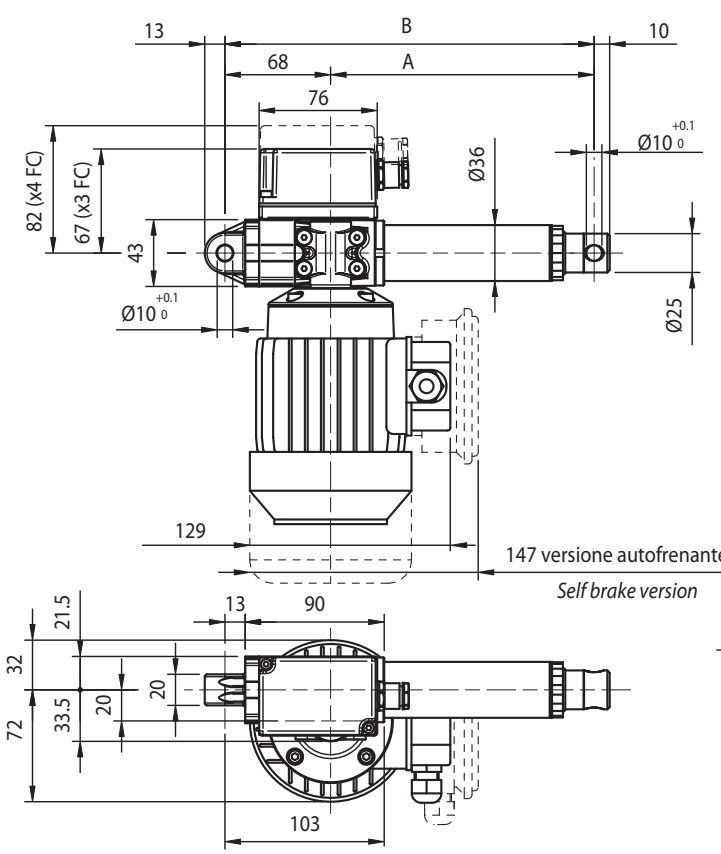


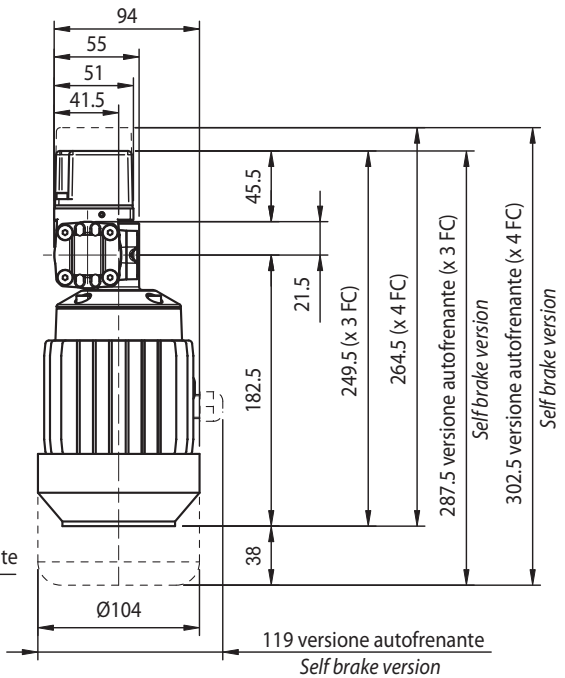


QUOTA *DIMENSION*	Corsa < a 320 mm. *Stroke < to 320 mm.*	Corsa > a 320 mm. *Stroke > to 320 mm.*
A	70 + corsa/*stroke*	80 + corsa/*stroke*
B	138 + corsa/*stroke*	148 + corsa/*stroke*

Per versioni VRS e FCM vedere pag 33.
For VRS and FCM versions see page 33

ALI2 - F versione C.A. / *A.C. Version*





QUOTA *DIMENSION*	Corsa < a 320 mm. *Stroke < to 320 mm.*	Corsa > a 320 mm. *Stroke > to 320 mm.*
A	70 + corsa/*stroke*	80 + corsa/*stroke*
B	138 + corsa/*stroke*	148 + corsa/*stroke*

Per versioni VRS e FCM vedere pag 33.
For VRS and FCM versions see page 33.

SIGLA DI ORDINAZIONE - *ORDERING KEY*

ALI2 / 0250 / M01 / CA-400/50-T-50-4-0,09 / S1+AB / M1 / 1 / E01 / 2FC0 / P0T01A / FC1 / IP65 / P1 / A1 / A+B / N.DIS

MODELLO / *MODEL*:
ALI2 / ALI2-F /
ALI2-VRS / ALI2-F- VRS

CORSA / *STROKE*: mm
es. 250 mm = 0250

VELOCITÀ / *SPEED*: mm/s (Pag.28)

M08 /M09 / M10 / M11 / M12 / M13 / M14 (versione / *version* C.C.)
M01 / M02 / M03 / M04 / M05 / M06 / M07 / M08 M09 / M10
M11 / M12 / M13 / M14 / M15 / M16 (versione / *version* C.A.)
M00 = Velocità non contemplate / *Not standard speed*
Versione PAM / *Flanged Version* = Rpm
Indicare rapporto riduzione + passo stelo
Advise reduction ratio and screw pitch

MOTORE / *MOTOR*: (Pag. ACCESSORI/ ACCESORIES)
Indicare solo con motore: / *Advise only if with motor:*
In C.A.: versione, tensione, tipo, grandezza, n°poli, potenza
version, voltage, type, size, n°pole, power
In C.C.: versione, tensione, grandezza, n°giri
version, voltage, size, Rpm
In versione predisposizione motore "PAM" indicare: 0
With motorflange only put 0
In versione PAM a disegno indicare: PD
With special motorflange put: PD

VARIANTI MOTORE CA / AC MOTOR OPTIONS:
(Pag. ACCESSORI/ ACCESORIES)
Senza motore o con motore in C.C.: Omettere tutti i parametri sottoindicati
No motor or DC motor: leave all following parameters blank
Tipo Servizio: Indicare se diverso da S3 (std)
Service rate: Advise if different than S3 (std)
Classe isolamento: Indicare se diverso da F (std)
Insulation class: Advise if different than F (std)
Grado Protezione: Indicare se diverso da IP55 (std)
Protection Degree: Advise if different than IP55 (std)
Tipo freno: solo se autofrenante: ES. FECA
Brake type: for brakemotors only: ES. FECA
Opzioni: Indicare se richiesto (ES. AB Albero Bisporgente)
Options: Advise if needed (ES. AB 2'shaft)

ORIENTAMENTO MOTORE / *MOTOR POSITION*: (Pag. 32)
Senza / *None*: Omettere / *Leave blank* **M0 / M1**

ORIENTAMENTO MORSETTIERA / *E-BOX POSITION*: (Pag. 32)
1 (Standard), 2, 3, 4
Senza Motore o motore in CC / *No Motor or DC motor*: Omettere / *Leave blank*

ENCODER / *ENCODER*: (Pag. ACCESSORI/ ACCESORIES)
Senza / *None*: Omettere / *Leave blank*

FINE CORSA / *LIMIT SWITCHES*:(Pag. ACCESSORI/ ACCESORIES)
Senza / None: Omettere / *Leave blank*

POTENZIOMETRO / *POTENTIOMETER*:(Pag. ACCESSORI/ ACCESORIES)
Senza / *None*: Omettere / *Leave blank*

ORIENTAMENTO GRUPPO FINE CORSA / *LIMIT SWITCHES POSITION*: (Pag. 32)
Senza / *None*: Omettere / *Leave blank* **FC1 / FC2 / FC3**

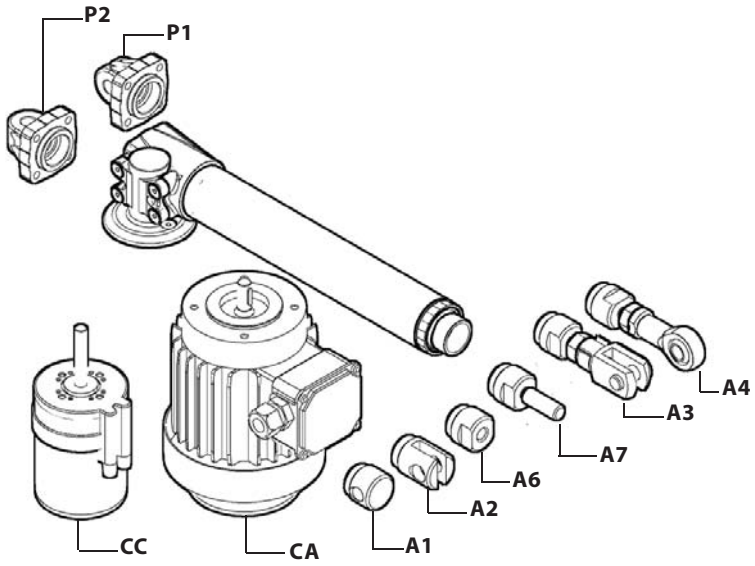
GRADO PROTEZIONE / *PROTECTION CLASS*:
IP55 (Std AC/*CA*): Omettere / *Leave blank* **IP65** (std CC/*DC*) **Altro / *Other***: Specificare / *Advise*

ATTACCO POSTERIORE / *REAR END*: (Pag. 32)
P0 = Senza / *None* **P2** = Occhio / *Eyelet* (90°)
P1 = Occhio / *Eyelet* (standard) **P3** = Attacco a Disegno / *Special (provide drawing)*

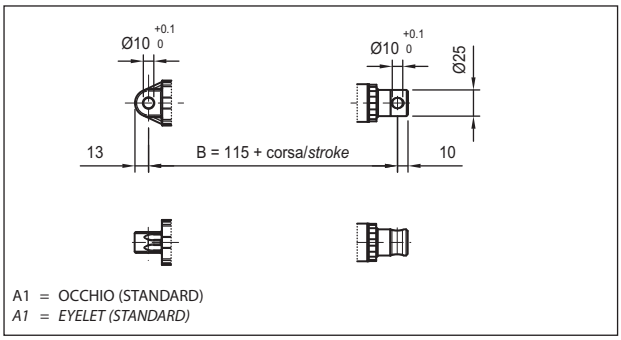
ATTACCO ANTERIORE / *FRONT END*: (Pag. 33)
A0 = Senza / *None* **A1** = Occhio / *Eyelet* (Std) **A2** = Forcella Fissa / *Yoke* **A3** = Forcella + Clip / *Yoke + Clip*
A4 = Testa a Snodo / *Rod end* **A6** = Femmina M12 / *M12 female* **A7** = Maschio M10 / *M10 male*
A9 = Attacco a Disegno / *Special (provide drawing)*

OPZIONI / *OPTIONS*:
Senza / *None*: Omettere / *Leave blank* **A** = Versione Inox (asta, attacco anteriore) / *Stainless steel version (rod, front end)*
C = Vite Scoperta / *Naked Screw* **D** = Ruota in Bronzo / Bronze wheel **B** = Protezione soffietto / *Bellows* boot
FX = Verniciatura Protettiva Steel It / Protective Painting Steel It **FXC** = Cataforesi / Protective treatment Cataphoresis
G = Chiocciola di sicurezza (brevettata) / *Safety nut (patented)*
L = Antirotazione / *Anti-rotation device* **Z** = *Versione bassa rumorosità / Low noise version*

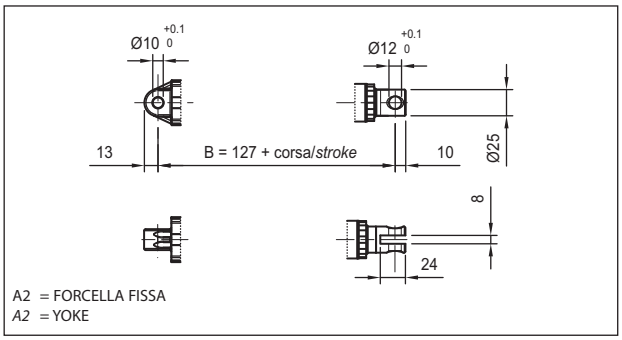
VARIANTI / *VERSIONS*:
N° Disegno / *Drawing number*: Per Condizioni non Contemplate / *Presence of not standard options*
Senza / *None*: Omettere / *Leave blank*



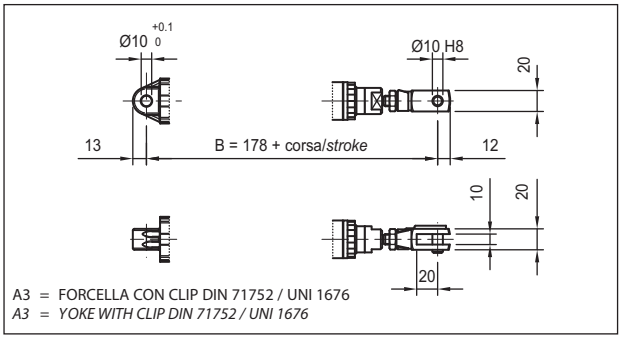
ATTACCHI ANTERIORI ***FRONT ENDS***



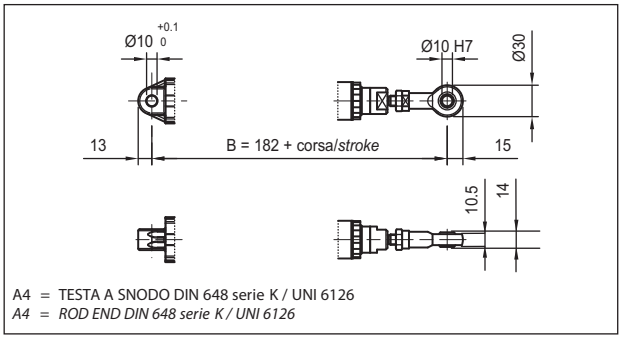
A1 = OCCHIO (STANDARD)
A1 = EYELET (STANDARD)



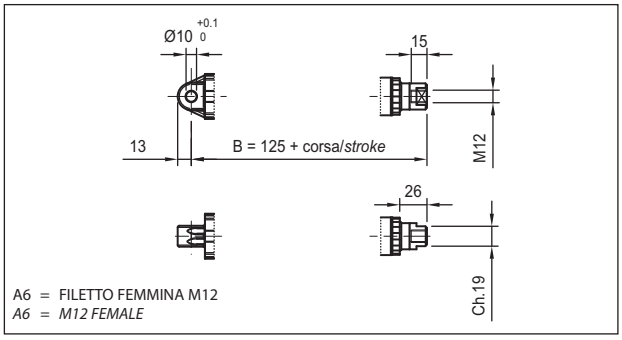
A2 = FORCELLA FISSA
A2 = YOKE



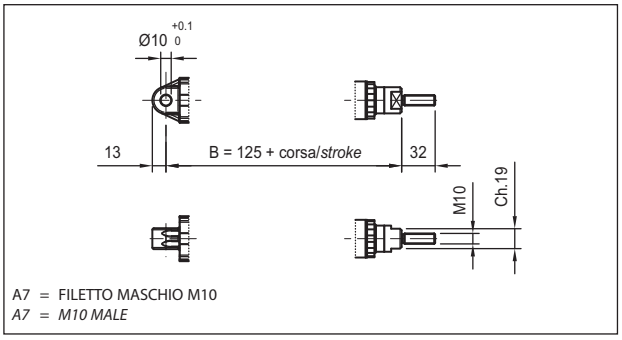
A3 = FORCELLA CON CLIP DIN 71752 / UNI 1676
A3 = YOKE WITH CLIP DIN 71752 / UNI 1676



A4 = TESTA A SNODO DIN 648 serie K / UNI 6126
A4 = ROD END DIN 648 serie K / UNI 6126



A6 = FILETTO FEMMINA M12
A6 = M12 FEMALE



A7 = FILETTO MASCHIO M10
A7 = M10 MALE

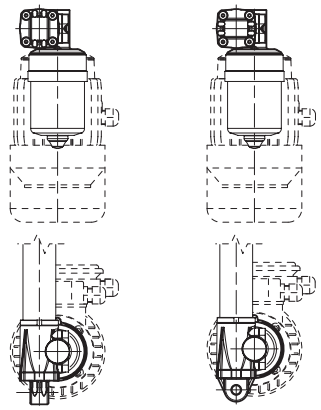
Nota: Variazioni quota "B" in base al modello

Note: *"B" dimension changes according to model*

ALI2 = Vedi figure / *See pictures*
ALI2 corsa / *stroke* > 320 mm = + 10 mm
ALI2-FCM = + 34 mm
ALI2.FCM corsa / *stroke* > 320 mm = +44
ALI2-F = + 23 mm
ALI2-F corsa / *stroke* > 320 mm = + 33 mm

Con Chiocciola di sicurezza "G" = + 30 mm / *With safety nut "G" = + 30 mm*
ALI2-VRS = + 40 mm
ALI2-F-VRS = + 63 mm
Protezione Soffietto/ *Bellows* + 20mm (escluso versioni FCM / *no for versions FCM*)

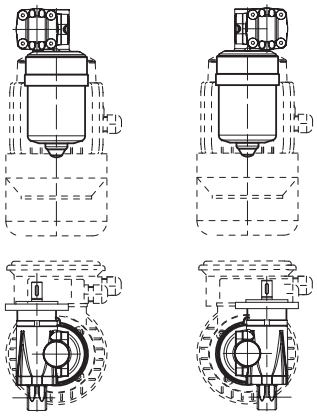
ATTACCO POSTERIORE/
REAR ENDS



P1
(Standard)

P2
Ruotato di 90° /
Rotated through 90°

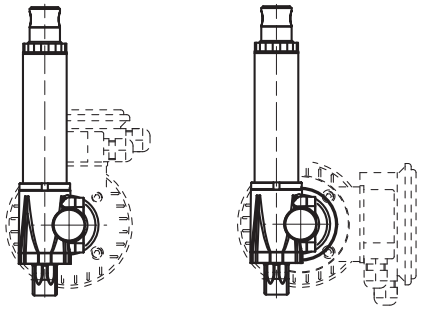
ORIENTAMENTO MOTORE /
MOTOR POSITION



M0

M1

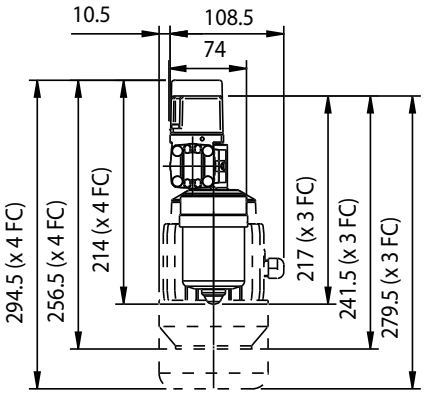
ORIENTAMENTO MORSETTIERA /
E-BOX POSITION



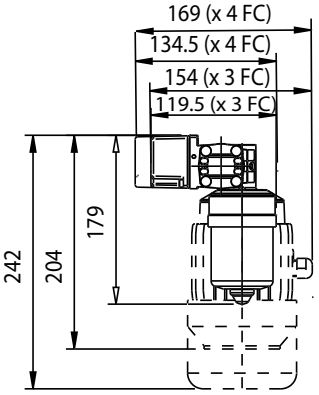
1 (standard)

2

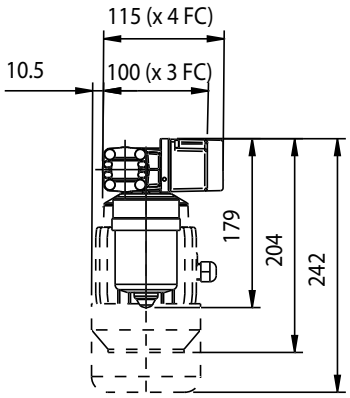
ORIENTAMENTO FINECORSA / *LIMIT SWITCHES POSITION*



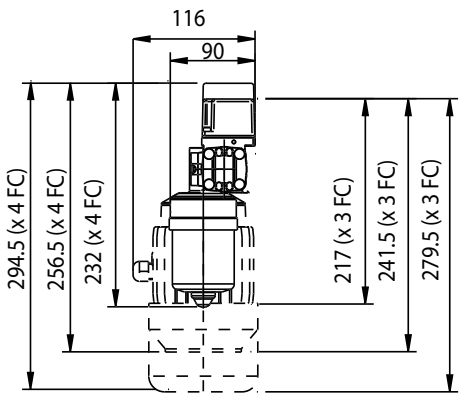
FC1 (Standard) M0



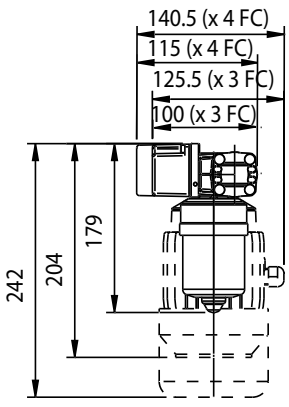
FC2 M0



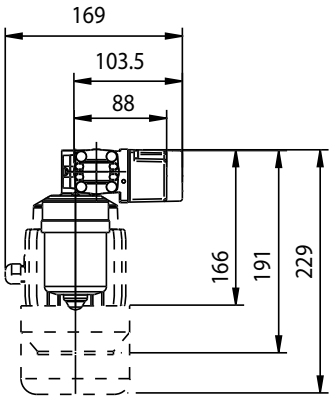
FC3 M0



FC1 M1



FC2 M1

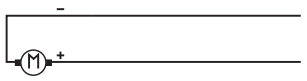


FC3 M1

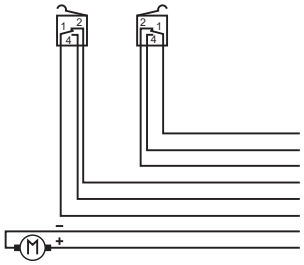
INDICAZIONI DI COLLEGAMENTO - ***CONNECTION INFORMATION***

Esempi di collegamento in Vdc.
L' attuatore standard non è fornito con cablaggio.
L' eventuale cablaggio è fornibile su richiesta.

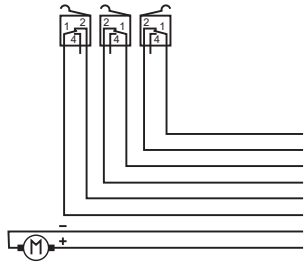
Examples of connection in Vdc.
Standard actuator is not provided with wiring.
Wiring can be supplied on request.



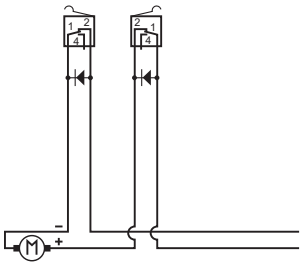
Collegamento solo motore
Motor only connection



Collegamento motore e 2 finecorsa
Connection for Motor and 2 limit switches



Collegamento motore e 3 finecorsa
Connection for Motor and 3 limit switches



Collegamento motore e 2 finecorsa cablati con diodi.
Connection for Motor and 2 limit switched diode-wired

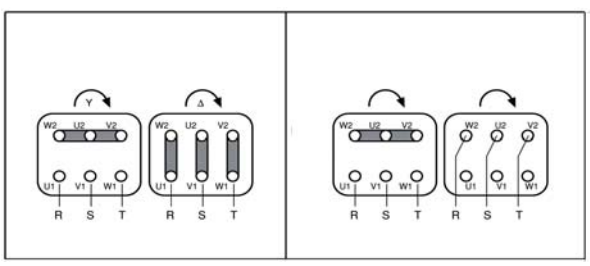
Esempi di collegamento motori in Vac.
L' attuatore standard non è fornito con cablaggio.
L' eventuale cablaggio è fornibile su richiesta.

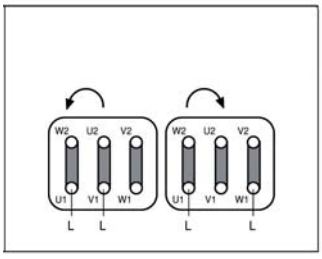
Examples of connection in Vac.
Standard actuator is not provided with wiring.
Wiring can be supplied on request.

Motore asincrono trifase
3-phase motor

Motore asincrono trifase 2 velocità
Double speed 3-phase motor

Motore monofase avvolgimento equilibrato
1-phase motor with balanced winding

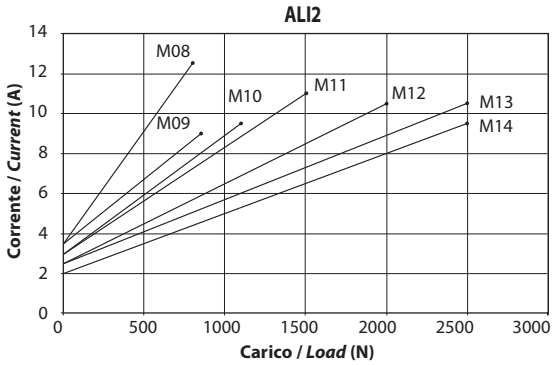


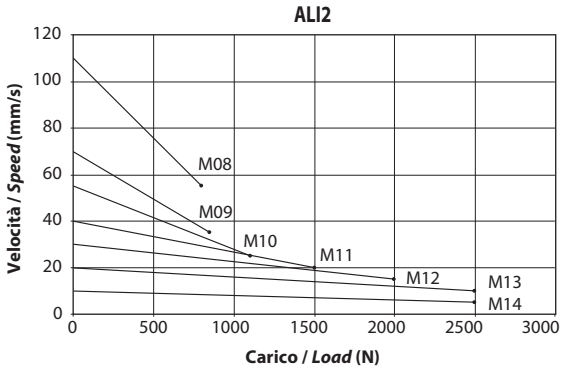


DIAGRAMMI DI CORRENTE - ***CURRENT DIAGRAM***

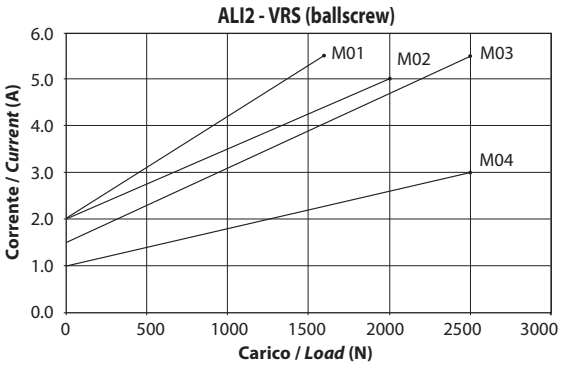
DIAGRAMMI DI VELOCITÀ - ***SPEED DIAGRAM***

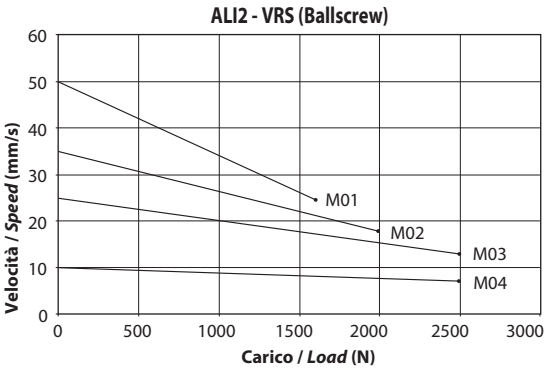
Con stelo vite trapezia - *With acme screw*





Con stelo vite a ricircolo di sfere - *With ballscrew*





Diagrammi riferiti alla tensione di alimentazione 24 Vdc.
Per tensione 12 Vdc raddoppiare il valore di corrente e ridurre il valore di carico del 20%.

Diagrams valid for 24 Vdc power supply.
For 12 Vdc power supply currents are doubled and loads are 20% lower.

NOTE ***NOTES***