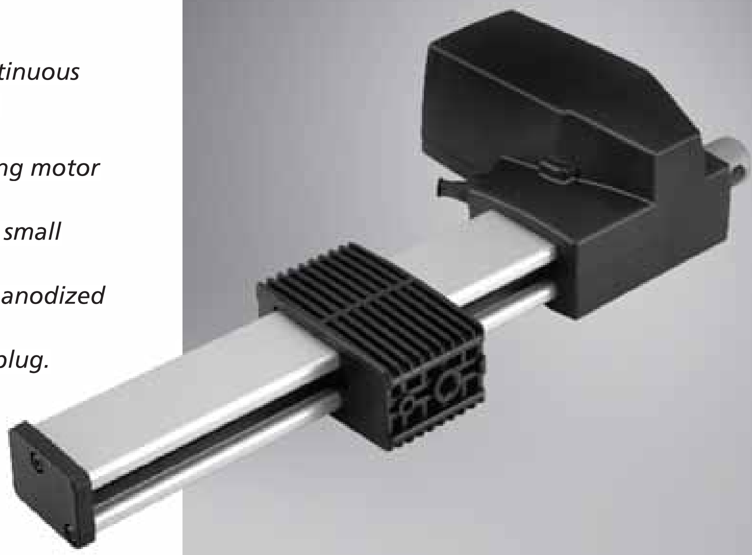
PRODUCT DATA SHEET

ACTUATOR LA29

HOMELINE®
IMPROVING COMFORT

Features:
- *24 V DC permanent magnet motor*
- *Thrust up to 6000 N*
- *Duty cycle: Max 10% or 2 minutes continuous use followed by 18 minutes not in use.*
- *Ambient temperature: +5° to + 40°C*
- *High-strength plastic housing protecting motor and gears*
- *Elegant and compact design with very small installation dimensions*
- *Colour: black plastic parts and natural anodized aluminium profile.*
- *2.4 m straight cable with 6.3 mm DIN-plug.*
- *Built-in limit switches (not adjustable)*
- *Metal back fixture*
- *Flexible back fixture (similar to LA31 "L2 version" and LA31 with quick release). The flexible back fixture can adapt up to 4000 N in pull.*
- *The LA29 actuator is approved according to EN 60335-1 and will also be approved according to UL 73*

Options:
- *Brake that increases the self-locking ability*
- *Reed switch (8 pulses per spindle revolution) for exact positioning of memory control and compatible with CB9 with microprocessor*
- *Cables according to ordering example*



The LA29 actuator is the latest HOMELINE® actuator. The LA29 is specially made for domestic applications. The actuator has a very short installation dimension as the distance between the two fixing points is small when the actuator is retracted and at the same time independent of the stroke length. This feature makes the actuator ideal as a lifting actuator for self-lifting recliners and other aid for the elderly. Another special feature here is the flexible back fixture, which can adapt misalignments in e.g. a recliner application.

The LA29 is compatible with LINAK's other HOMELINE® products such as CB7, CB9 and controls HB40, HB60 and HB70. Handsets HB41 and HB42 have special front covers for recliners (HB41 article no. 0041098 and HB42 article no. 0042130).

LINAK®
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Type	Spindle pitch [mm]	Thrust max. Push [N]	Thrust max. Pull [N]	Self-lock* max. (push) [N]	Typical speed [mm/s] 0 load	Typical speed [mm/s] Full load	Stroke length (in steps of 50 mm)	Motor type	Typical Amp. (24 V) at full load [Amp]
291	3	6000	4000	6000	6.3	3.5	100 – 300	Standard	3.5
291	3	6000	4000	6000	8.1	4.3	100 – 300	Fast	4.1
294 with brake	4 #	6000	4000	6000	8.3	3.5	100 – 300	Standard	4.3 **
294 with brake	4 #	6000	4000	6000	10.7	4.8	100 – 300	Fast	5.1
292 with brake	5 #	4000	4000	4000	10.3	6.4	100 – 300	Standard	3.9
292 with brake	5 #	4000	4000	4000	13.5	7.4	100 – 300	Fast	4
297 with brake	6 #	2500	2500	2500	12.1	6.5	100 – 300	Standard	4
297 with brake	6 #	2500	2500	2500	16.7	8	100 – 300	Fast	4
293 with brake	9 #	1500	1500	1500	18.3	14.4	100 – 300	Standard	1.8
293 with brake	9 #	1500	1500	1500	23.1	17.6	100 – 300	Fast	2.4
296 with brake	12 #	1000	1000	1000	25.1	14	100 – 300	Standard	2.5
296 with brake	12 #	1000	1000	1000	29.6	23.4	100 – 300	Fast	3.2

Above measurements with standard motor are made together with the CB9AE control box.
Measurements with fast motor are made with a control box featuring EAS.

* LINAK control boxes are designed so that they will short-circuit the motor terminals (poles) of the actuator(s), when the actuator(s) are not running. This solution gives the actuator(s) a higher self-locking ability. If the actuator(s) are not connected to a LINAK control box, the terminals of the motor must be short-circuited to achieve the self-lockability of the actuator.

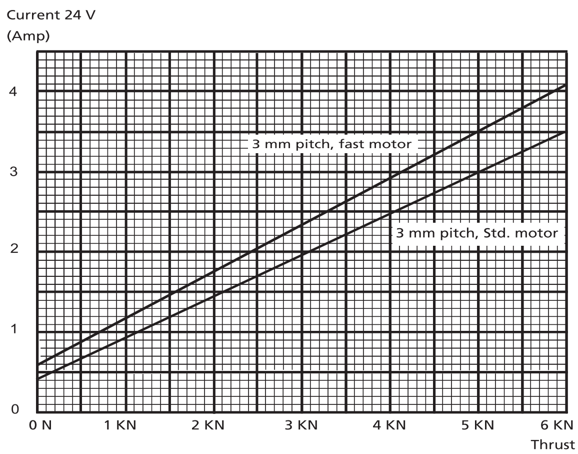
** Combined with CB7 the actuator will not be able to run with max. thrust. The CB7 is able to give max. 4 Amp.

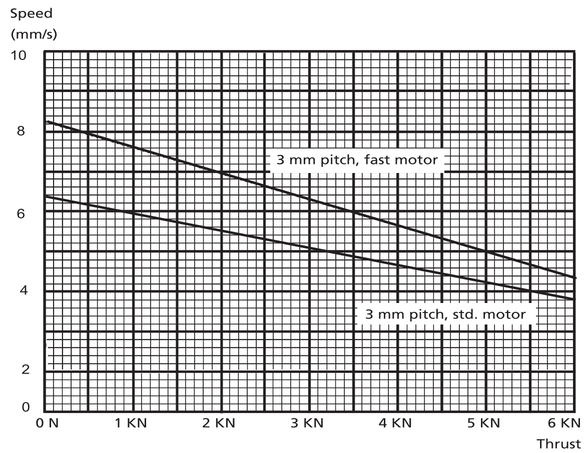
\# LA29 with brake cannot be combined with CB9 with emergency lowering function. For all LA29 actuators with brake the self-locking ability up to max. load is only possible in one direction; push or pull.

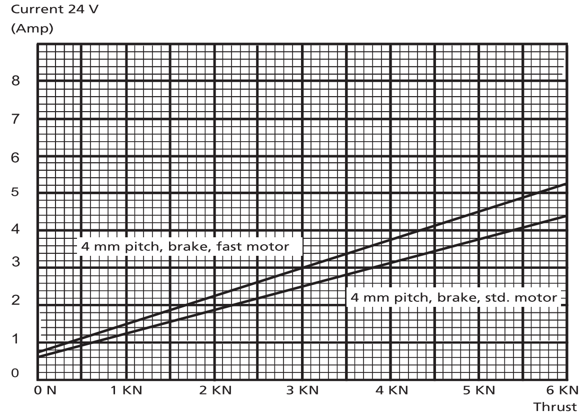
LA29 with brake:
A LA29 brake is identical with the known LA31 brake. A LA29 brake in a push application brakes actively when the actuator moves in inward direction. The same applies to an actuator mounted with a brake in pull direction. It brakes in outward direction.
Under this condition the standard motor uses up to 4 Amp. and the fast motor uses up to 6 Amp.

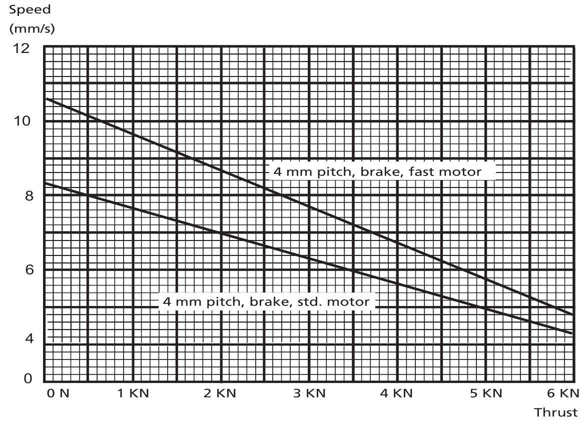
Therefore, if the LA29 with brake is used together with a CB7 it is important that the current cut-off limit in the respective direction of the control box is higher than the used Amp. i.e. not lower than 4 Amp.

It is not possible to mount the control box on LA29. Therefore it is recommended to use LA29 in applications together with LA31.
LA29 with fast motor must be combined with a control box featuring EAS.
It is very important that the mounting brackets fit he nut end.



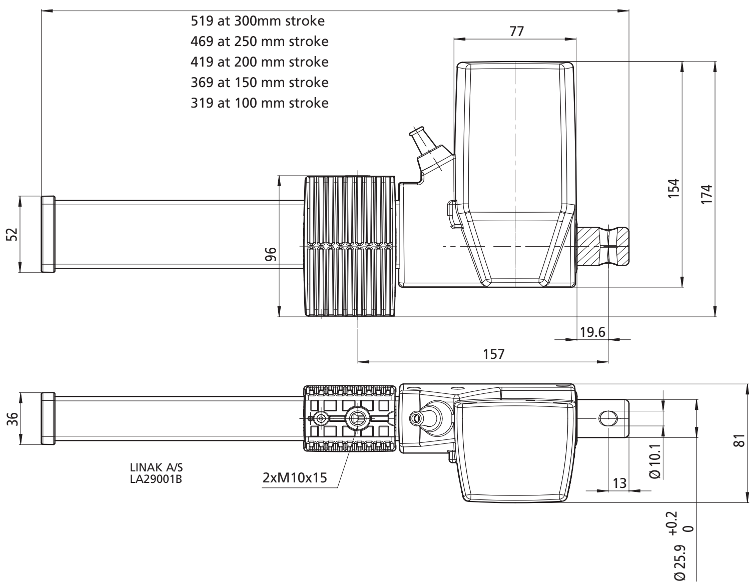




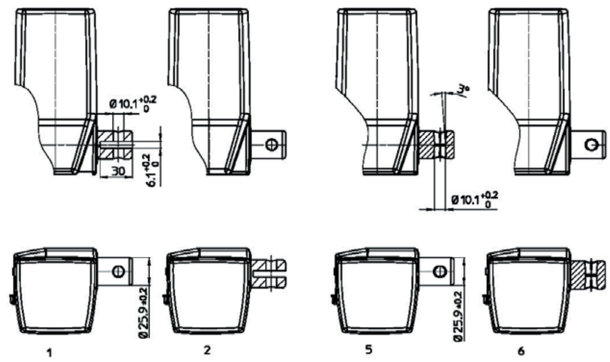


Above data are average figures.
The measurements are made with the actuators connected to a stable power supply.

LA29:



Flexible back fixtures:



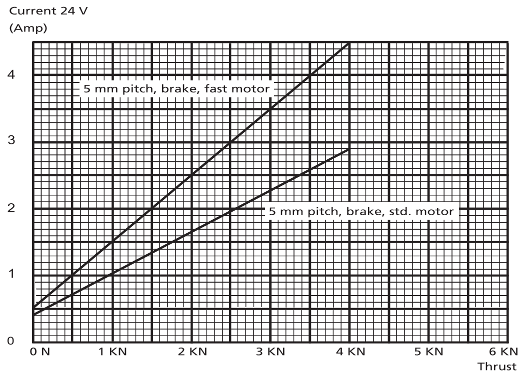
LA29
Ordering example:

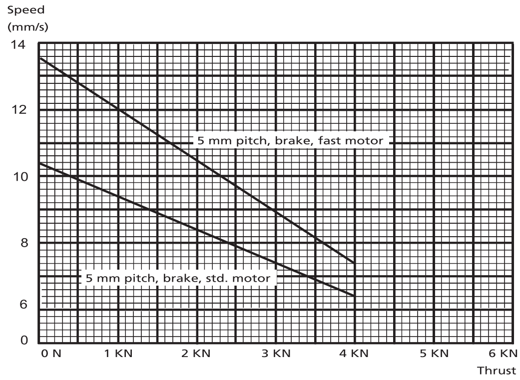
29 1 5 0 0 - 0 0 1 0 0 0 5 0

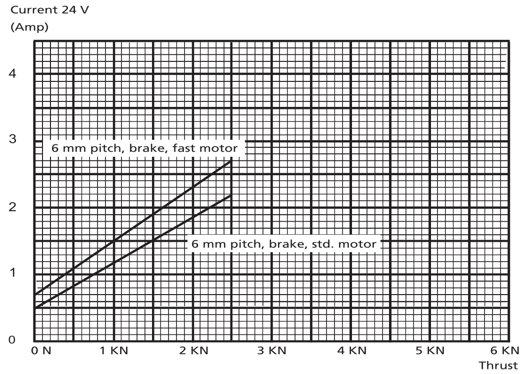
Cables:
X = Other cable/length

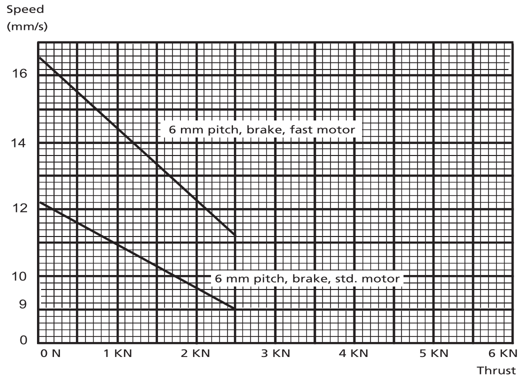
Jack cables:	**DIN cables:**
0 = Straight 2.4 m	A = Straight 2.4 m
1 = Straight 1.1 m	B = Straight 1.1 m
2 = Coiled 0.4 m	C = Coiled 0.4 m
3 = Coiled 0.2 m	D = Coiled 0.2 m

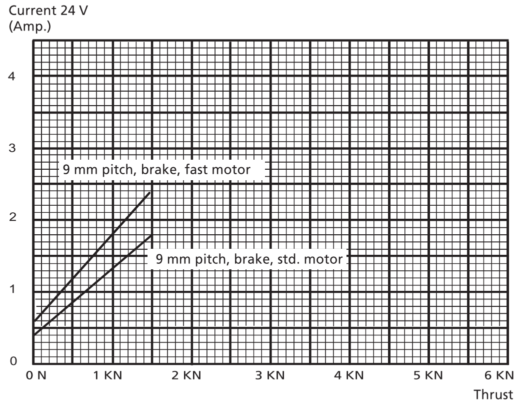
IP-Degree:	**5 = IPXX**
Motor type:	**0 = 24 V DC Standard** 3 = 24 V DC Fast motor/single worm gear
Stroke length:	**XXX = mm**
Brake:	**0 = None** 1 = Brake push 2 = Brake pull
Options:	**0 = Standard**
Colour:	**- = Black**
Option: Position	0 = None R = Reed H = Hall
Option:	**0 = Standard**
Back fixture:	1 - 2 Standard with 10 mm slot 5 - 6 Standard flexible
Spindle type:	**1 = 3 mm** 2 = 5 mm 3 = 9 mm 4 = 4 mm 6 = 12 mm 7 = 6 mm
Actuator type:	**29 = LA29**

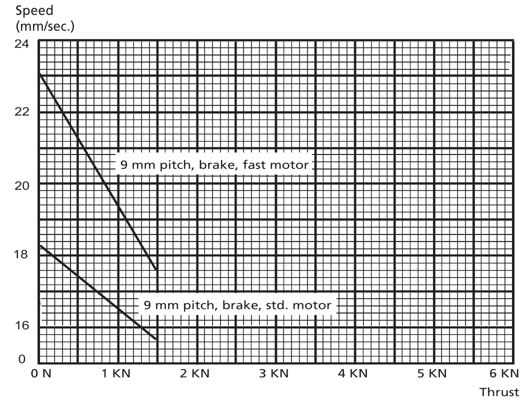


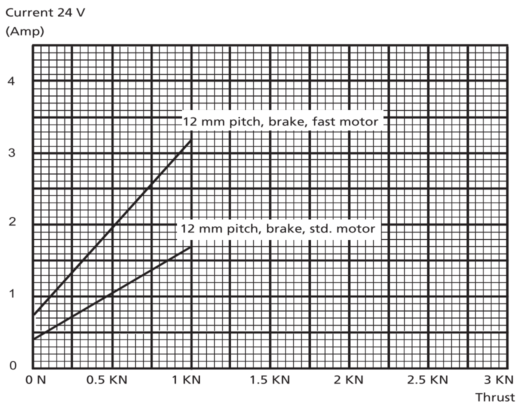


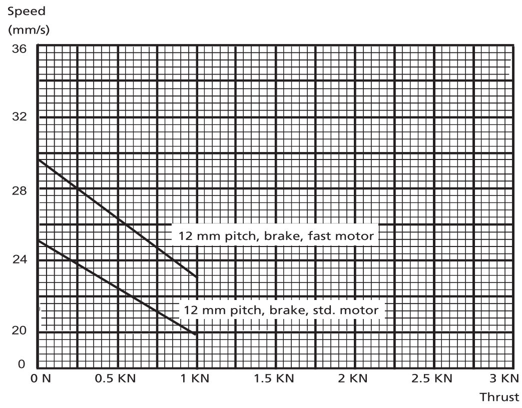












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Specifications subject to change without prior notice.
It is the responsibility of the product user to determine the suitability of LINAK A/S products for a specific application. LINAK will at point of delivery replace/repair defective products covered by the warranty if promptly returned to the factory. No liability is assumed beyond such replacement/repair.