

# TA14

## Series



### Product Segments

Comfort Motion

#### TA14 Series

TecHome's TA14 linear actuator is designed for lift applications like recliners, lifting chairs and movie theater seating. This linear actuator is designed to function as a direct cut system, eliminating the need for a control box, offering a simple and economical alternative. Options for the TA14 include a safety nut and multiple mounting styles for the front attachment.

#### General Features

<b>Voltage of motor</b>	12V DC, 24V DC, 36V DC or 24V DC (PTC)
<b>Maximum load</b>	6,000N in push
<b>Maximum load</b>	4,000N in pull
<b>Maximum speed at full load</b>	23.4mm/s (with 1,000N in a push or pull condition)
<b>Minimum installation dimension</b>	Stroke+163mm
<b>Color</b>	Black or dark grey
<b>Operational temperature range</b>	+5°C~+45°C
<b>For direct-cut system</b>	Can function without control box

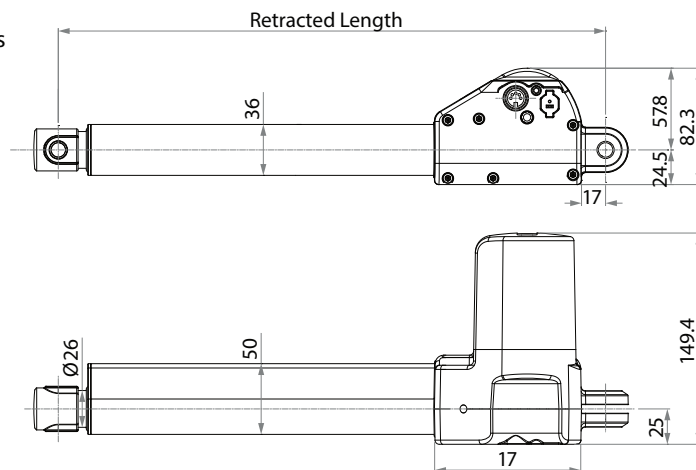


## MOTION AND AUTOMATION

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## Drawing

Standard Dimensions  
(mm)



## Load and Speed

CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
	Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed (2600RPM)							
C	5000	4000	2500	0.8	3.5	7.95	4.1
D	6000	4000	4000	0.8	3.5	5.95	3.1
F	2500	2500	1500	0.8	3.2	15.85	8.3
G	2000	2000	1000	0.8	2.8	21.35	12.1
H	1000	1000	500	0.8	2.1	32.05	19.1
J	3500	3500	2500	0.8	3.6	11.90	6.0
Motor Speed (3400RPM)							
L	6000	4000	4000	1.0	4.2	7.30	4.1
N	2500	2500	1500	1.0	4.1	19.40	11.1
O	2000	2000	1000	1.0	4.0	26.10	14.9
P	1000	1000	500	1.0	3.0	39.00	23.4
Q	3500	3500	2500	1.0	4.6	14.50	7.9
T	5000	4000	2500	1.0	4.2	9.80	5.4
Motor Speed (3800RPM)							
X	6000	4000	4000	1.2	4.4	8.55	5.0
U	5000	4000	2500	1.2	4.7	11.25	6.5
W	2500	2500	1500	1.2	4.6	23.05	13.4
Z	3500	3500	2500	1.2	5.3	16.80	9.8

## Note

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TecHome control boxes have this feature built-in.
- 3 Current and speed: Tested average value when stretching in push direction.