

TA5L

series



Product Segments

- **Comfort Motion**

TiMOTION's TA5L series linear actuator is a cutting-edge product that is manufactured with a specially formulated plastic material for the inner tube, outer tube and other key internal components. The patented TA5L linear actuator has obtained certifications from TUV, RoHS, UL 962 and xenon testing.

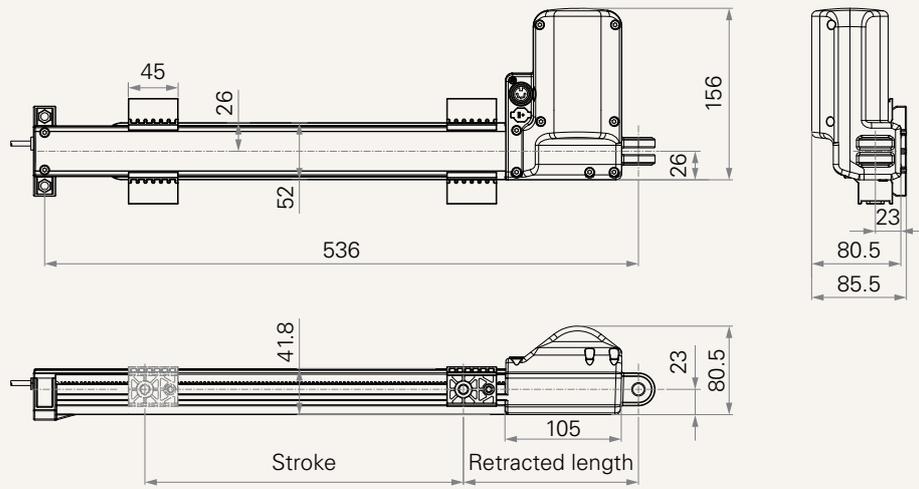
The TA5L linear actuator is designed to work with zero-wall seating frames and is the perfect choice for recliner movement. Its design enhances the life of the chair frame by using the plastic material to disperse stress.

General Features

Voltage of motor	24V DC
Maximum load	1,200N in push
Maximum speed at full load	20.8mm/s (with 1200N in a push or pull condition)
Stroke	332mm
Retracted length	157mm
Color	Black
Noise level	Under 48dB(A)
Certificate	Noise level test (SGS), UL962, EMC

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Load (N)	Self Locking Force (N)	Typical Current (A)	Typical Speed (mm/s)	
				No Load 32V DC	With Load 24V DC
	Push		With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed (2600RPM)					
A	1200	1200	4.2	32.8	17.8
Motor Speed (3400RPM)					
B	1200	1200	5.0	43.2	20.8

Note

1 The current & speed in table are tested when the actuator is extending under push load.

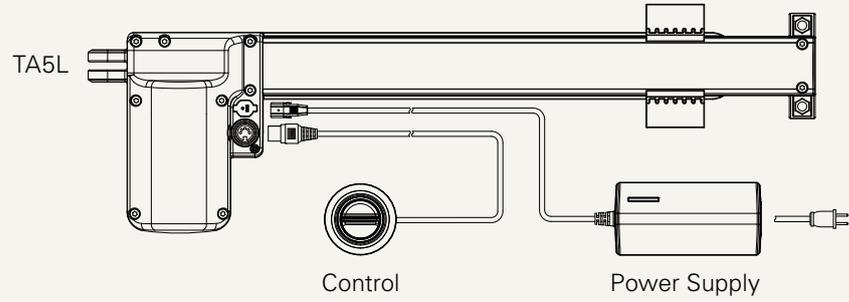
Applied Seating Frame

5302

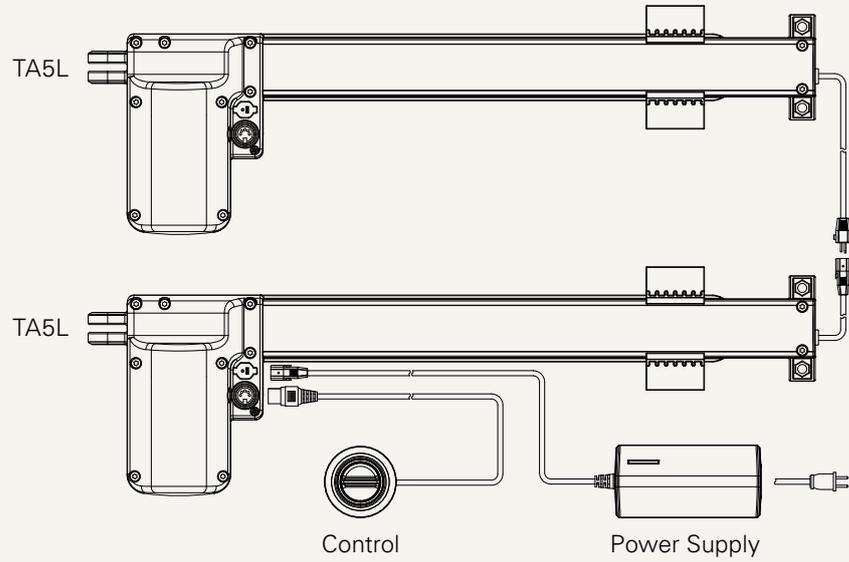
5311

Drawing

1 Actuator



2 Actuator



Power Supplies



TP2P



TP5P



TP7

Controls



TH4



TH5



TH15



TH16



TH19



TH23



TFH2



TFH3



TFH6

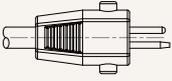
TA5L

Version: 20130411-B

Voltage	2 = 24V	
Load and Speed	See page 2	
Stroke (mm)	332	
Retracted Length (mm)	157	
Functions for Limit Switches	0 = Direct cut type	
Output Signals	0 = Without	
Connector See page 6	0 = Without (direct cut without plug out)	3 = TiMOTION's standard small 01 plug
Cable Length	0 = Without	1 = Straight, 500

Connector

3 = TiMOTION's standard small 01
plug



Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application. TiMOTION products are subject to change without prior notice.