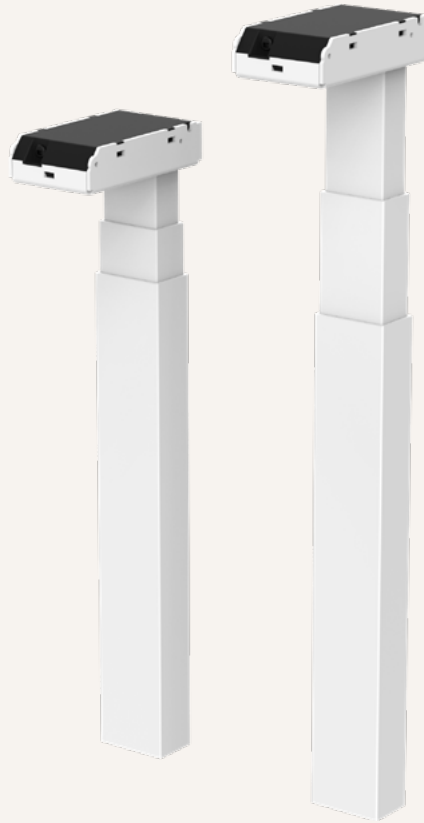


# TL33K

## series



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### Product Segments

- **Ergo Motion**





TiMOTION's TL33K series is a high-value, cost-effective lifting column designed explicitly for ergonomic desks, work tables, and other height-adjustable systems. Using multiple TL series lifting columns with compatible TC series control boxes and TH / TDH series controls, work surfaces can be controlled quietly and smoothly with synchronous movement. All Ergo Motion TC series control boxes have a less than 0.1W standby power option that reduces power consumption. Our wide range of columns offers solutions to satisfy customers' working environment project requirements.

The TL33K has a three-stage telescopic profile designed for a narrow-top, wide-bottom rectangular appearance.

## Features

- Load and speed per column<sup>12</sup>

Code	Load (N)	Self Locking Force (N)	Current (A) with 24V DC		Speed (mm/s) with 24V DC	
	Push		No Load	With Load	No Load	With Load
<b>D</b>	600	600	2.5	6.0	38.0	24.0

- Retracted length  
Standard (compatible with foot): 590 / 560(M) / 520(S)mm  
Extended (compatible with shoe): 610 / 580(M) / 540(S)mm
- Stroke  
Standard: 650mm;  
M/S: 660mm
- Outer profile  
83\*53mm rectangular
- Stages  
3-stage
- Output signals  
Hall sensors
- Voltage  
24V DC
- Color<sup>3</sup>  
 RAL9005   
  RAL9006   
  RAL9016   
  RAL9022
- Product weight  
7.4kg /column

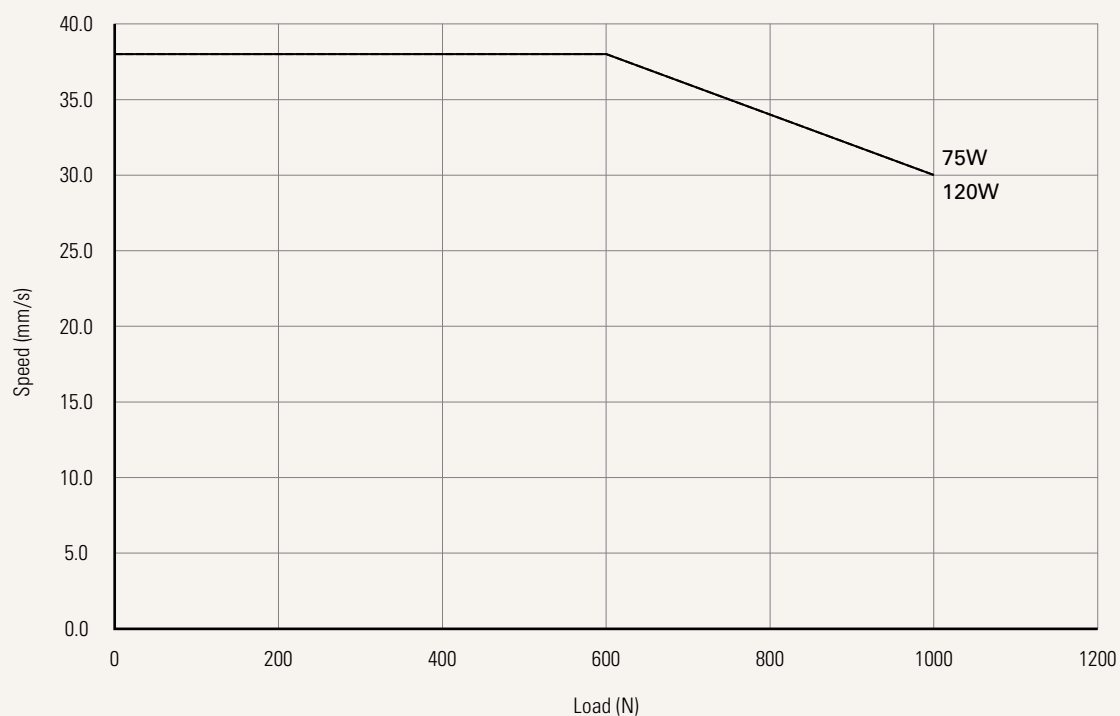
## Note

- <sup>1</sup> The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- <sup>2</sup> The parameters are based on average test values; final specifications are subject to the approval drawings.
- <sup>3</sup> For more color options, please consult your sales representative.

## Performance Data with Control Box

The following is the performance data of two columns driven by an Ergo Motion control box TC15S. The load is evenly distributed on the work surface.<sup>4</sup>

- TL33K, two columns driven by TC15S



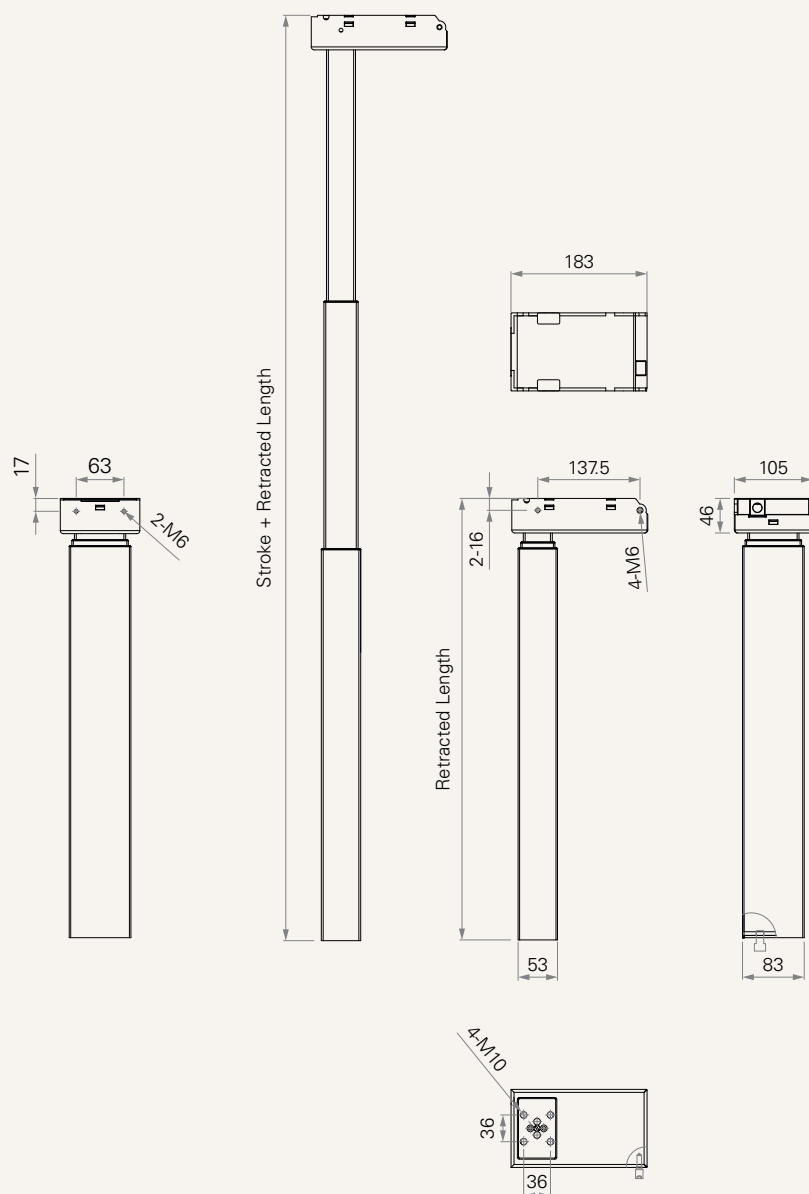
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	38
120W	1000	38

### Note

<sup>4</sup> The corresponding control box software is required.

## Drawing

Standard Dimensions  
(mm)



### Stroke & Retracted Length

Standard Outer Tube Compatible with Foot (Excluding Foot)	Options	Stroke (mm)	Retracted Length (mm)
	Standard	650	590
	M	660	560
	S	660	520
Extended Outer Tube Compatible with Shoe (Excluding Shoe)	Standard	650	610
	M	660	580
	S	660	540

### Note

1 Only specific TEK could be with the shoes, please refer to TEK speccode.

# TL33K Ordering Key

TL33K

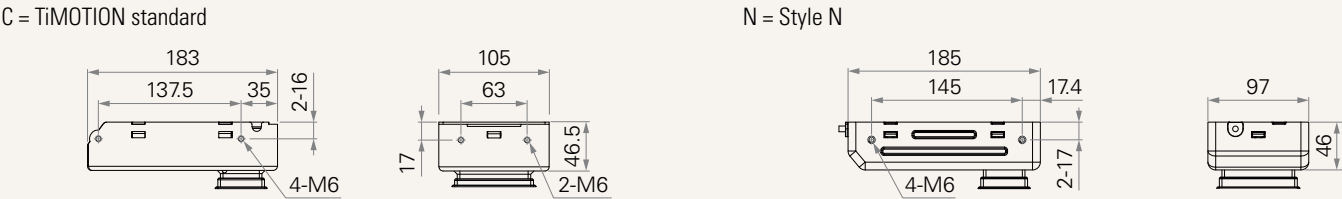
Version: 20250213-G

Appearance of Motor House	C = TiMOTION standard		N = Style N	
Voltage	2 = 24V DC			
Load and Speed	<a href="#">See page 2</a>			
Stroke & Retracted Length (mm)	650 590 = <a href="#">See page 4</a>			
Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte black
Bracket	0 = Without	L = Left, Standard bracket	R = Right, Standard bracket	
Bottom Plate Type	1 = M10, 36*36, TiMOTION standard		2 = M6, 36*36, TiMOTION standard	
Bottom Plate Height	1 = Standard		2 = Extended outer tube for shoe	
Output Signals	2 = Hall sensor * 2			
Connector	1 = DIN 6P, 90° plug E = Molex 8P, 180° plug, standard		F = Molex 8P, 90°plug, without anti-clip, for TC22/TC23 G = Molex 6P, 180° plug	
Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500	

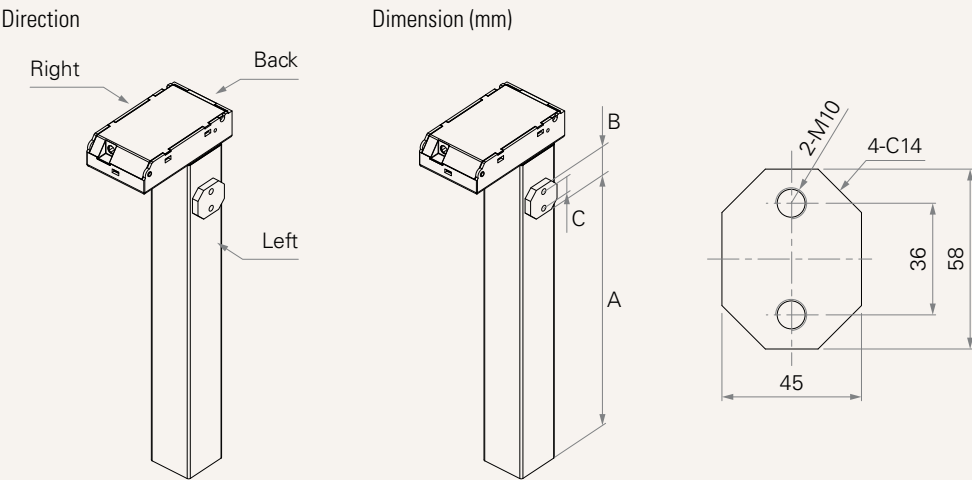
## Note

1 The TL is designed especially for push applications, not suitable for pull applications.

Appearance of Motor House (mm)

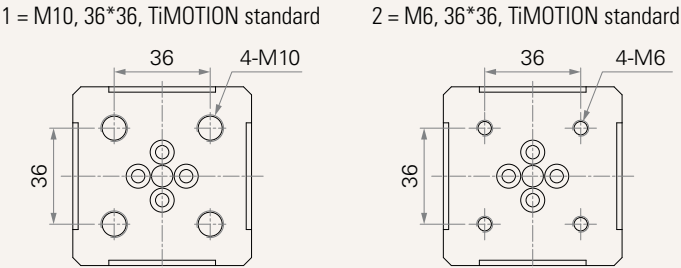


Bracket / Bracket (Standard)



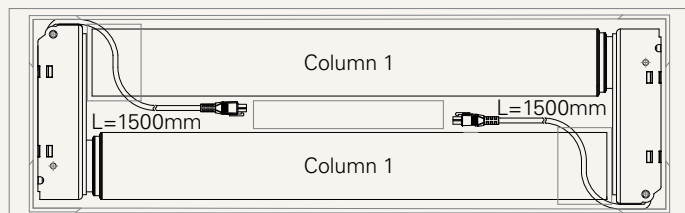
Standard Outer Tube Compatible with Foot (Excluding Foot)		A (mm)	B (mm)	C (mm)
	Standard	430.5	58	36
	M	404.5	58	36
	S	364.5	58	36
Extended Outer Tube Compatible with Shoe (Excluding Shoe)		A (mm)	B (mm)	C (mm)
	Standard	450.5	58	36
	M	424.5	58	36
	S	384.5	58	36

Bottom Plate Type (mm)



## Package

Package of one TL part number

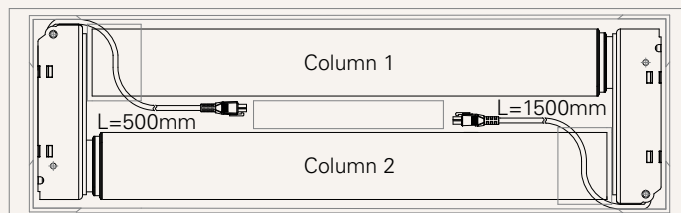


Column: 2pcs TL/box (Same PN& cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

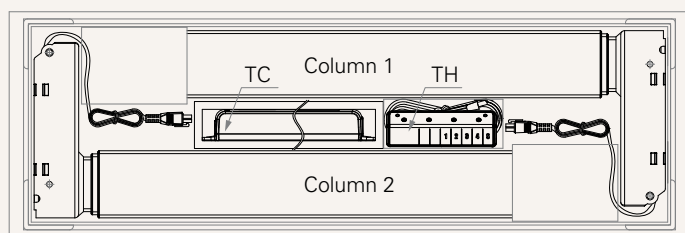


Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: Without

Weight with package: 16KG

Package of MP part number set-TL in pairs + electronic control system



Column: 2pcs TL/box (Different PN, cable length, for pair use)

Electronic control system: TC + TH

Weight with package: 17KG

## 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.