

TL33KR

series



Product Segments

- **Ergo Motion**

TiMOTION's TL33KR series is a high-value, cost-effective lift column designed specifically for ergonomic desks, work tables, and other height-adjustable systems. Paired with compatible TC series control boxes and TH/TDH series controls, TL33KR series lift columns easily support synchronous movement providing quiet and smooth operation of the work surface. All TiMOTION's Ergo Motion TC series control boxes are economically designed with standby power options of less than 0.1W to reduce power consumption. Our wide range of columns offer a variety of solutions to satisfy the most challenging project requirements for demanding work environments.

The TL33KR has a rectangular three-stage telescopic profile, designed with a wide-top, and narrow-bottom.

Features

- Load and speed per column¹²

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
D	600	600	2.5	6.0	38.0	24.0

- Retracted length 590mm
560mm (M)
520mm (S)
- Stroke 650mm
660mm (M/S)
- Outer profile 83*53mm rectangular
- Stages 3-stage, upside down
- Output signals Hall sensors
- Voltage 24V DC
- Color³  RAL9005  RAL9006  RAL9016  RAL9022
- Product weight 7.5kg /column

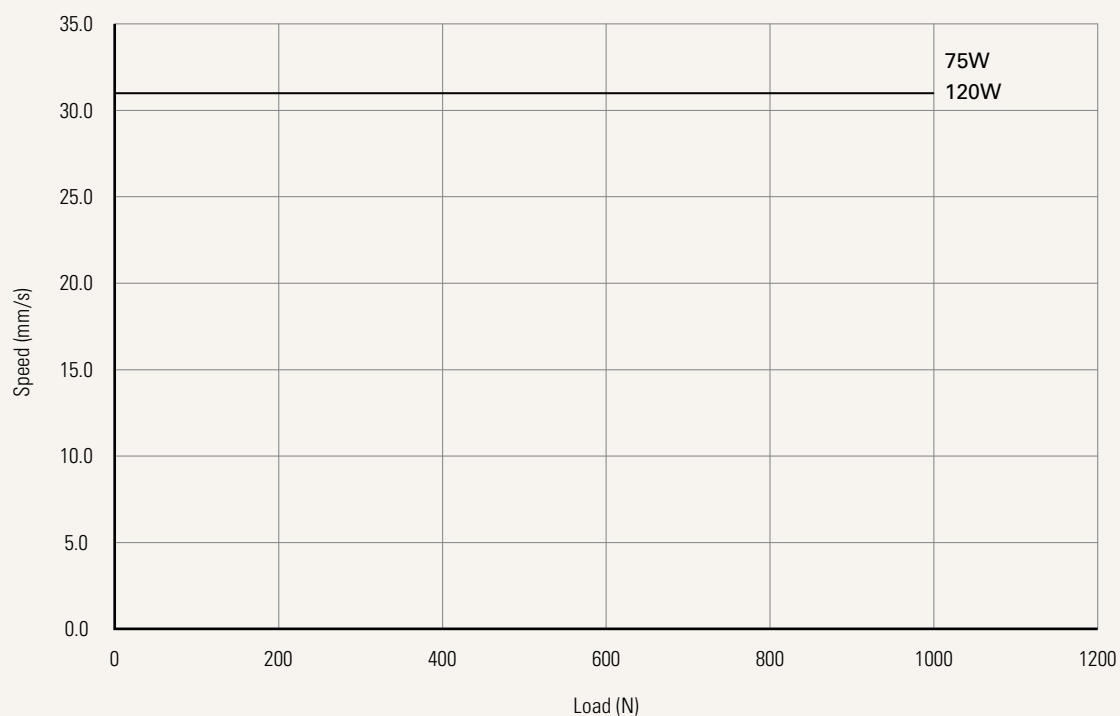
Note

- ¹ The self locking force, current, and speed performance are tested with TiMOTION control boxes.
- ² The parameters are based on average test values; final specifications are subject to the approval drawings.
- ³ 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.⁴

- TL33KR, two columns driven by TC15S



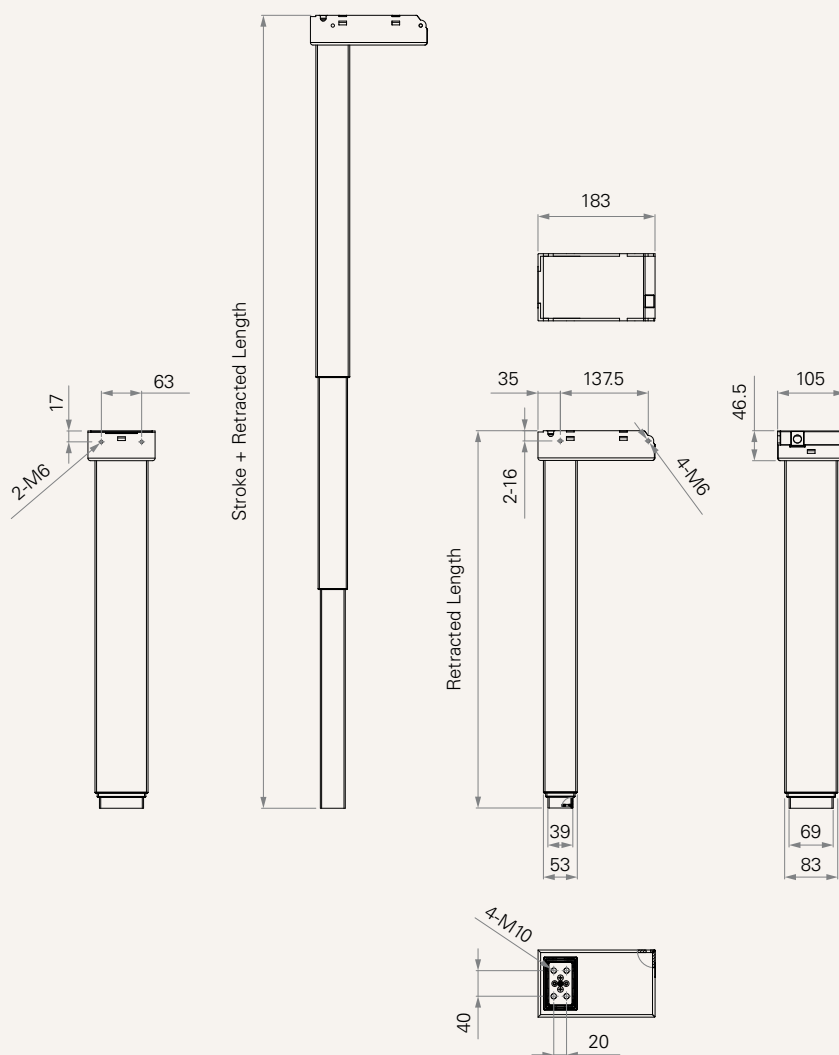
TC15S Spec	Load (N)	Constant Speed (mm/s) with TC15S
75W	1000	31
120W	1000	31

Note

- ⁴ The corresponding control box software is required.

Drawing

Standard Dimensions
(mm)



Stroke & Retracted Length

Options	Stroke (mm)	Retracted Length (mm)
Standard	650	590
M	660	560
S	660	520

TL33KR Ordering Key

TL33KR

Version: 20260109-F



Appearance of Motor House	C = TiMOTION standard
See page 6	



Voltage	2 = 24V DC
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Load and Speed	See page 2
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Stroke & Retracted Length (mm)	See page 4
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Color	1 = Black, RAL 9005	2 = White, RAL 9016	3 = Grey, RAL 9006	4 = Special grey, RAL 9022
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Wiper Color	1 = Black	2 = White	3 = Grey	4 = Matte black
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Bracket	0 = Without
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Bottom Plate Type (mm)	1 = M10, 40*20	2 = M6, 45*20
See page 6		



Bottom Plate Height (mm)	1 = Standard
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Output Signals	2 = Hall sensor * 2
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Connector	1 = DIN 6P, 90° plug	F = Molex 8P, 90° plug, without anti-clip, for TC22/TC23
	E = Molex 8P, 180° plug, standard	G = Molex 6P, 180° plug for TCH series



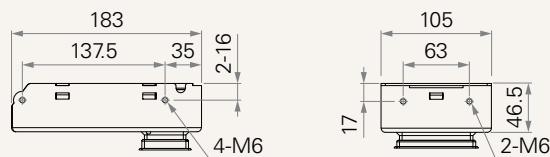
Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500
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Note

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

Appearance of Motor House (mm)

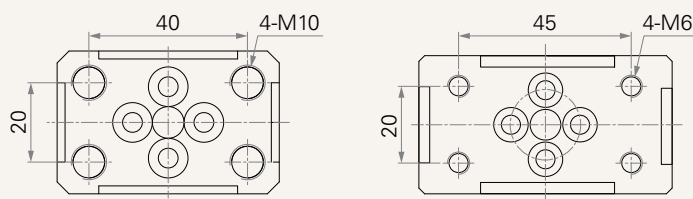
C = TiMOTION standard



Bottom Plate Type (mm)

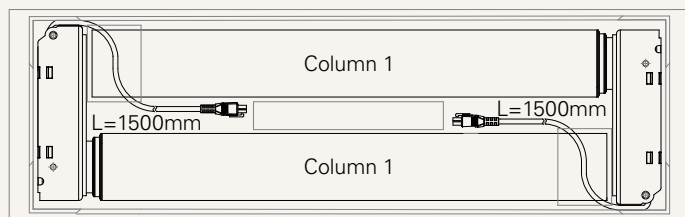
1 = M10, 40*20

2 = M6, 45*20



Package

Package of one TL part number

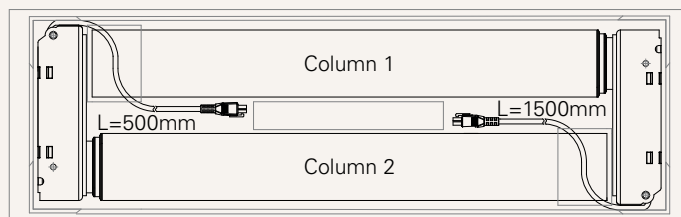


Column: 2pcs TL/box (Same PN & cable length)

Electronic control system: Without

Weight with package: 16KG

Package of two TL part numbers in pairs

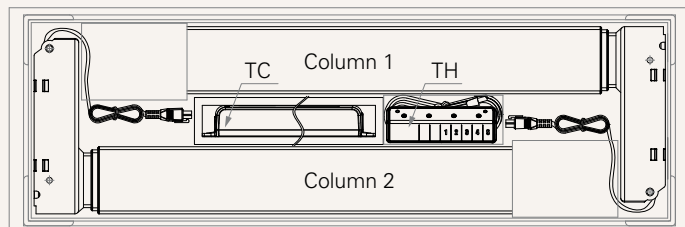


Column: 2pcs TL/box (Different PN, cable length, for pair use)

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.