

TA18

series



Product Segments

- Care Motion
- Comfort Motion

Voltage of motor	12V DC or 24V DC
Maximum load	4,500N in push
Maximum load	3,000N in pull
Maximum speed	38.3mm/s
Minimum installation dimension	stroke+289mm
Protection class	up to IP66
Color	black or grey
An in-line actuator	



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Load and Speed

CODE	Rated Load		Self Locking N (PUSH)	Typical Current at Rated Load (A)	Typical Speed	
	PUSH N	PULL N			No Load (32V DC) mm/s	Rated Load (24V DC) mm/s

Motor Speed (3800RPM)

B	4500	3000	4500	3.5	6.8	3.2
C	3500	3000	3000	3.2	9.7	4.8
D	2500	2500	2000	3.2	13.3	6.2
E	1500	1500	1000	2.2	17.4	10.3
F	1000	1000	700	2.2	25.6	15.5
G	500	500	500	2.0	38.3	24.0

Additional Retracted Length

TA Series	Safety Stroke Limit (mm)	Additional Stroke (mm)	Additional Retracted Length (mm)
TA18	200	0<additional stroke≤50	10

Note

- 1 Above stroke recommendation is based on safety stroke limit, for each additional 50mm stroke, it needs to add 5mm for the retracted length.

For example

- 1 If TA18's stroke is 201mm, the retracted length = 201mm+invalid length+10mm.
- 2 If TA18's stroke is 300mm, the retracted length = 300mm+invalid length+20mm.

Note

- 1 The left diagram shows the speed and current figures under pushing condition.
- 2 Speed would be the same if with 12V motor, but with double current consumption comparing 24V motor.
- 3 The self locking force above need to work with TechHome control system.

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