

TA2P

series



Product Segments

• Auto Motion

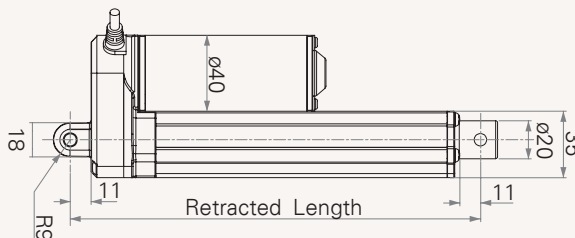
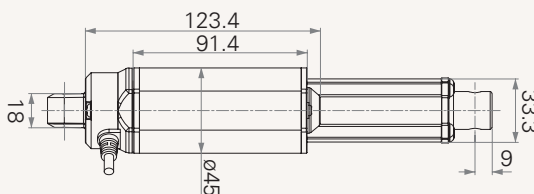
TA2P is also one of the Auto Motion series products. With bigger size of motor, compared to TA2, it loads uppermost up to 200KG. The typical application of TA2P is mower, wax machine, and other industrial equipment...etc.

General Features

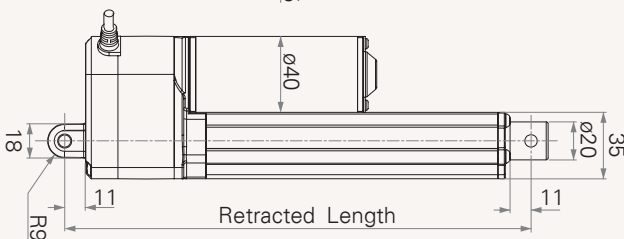
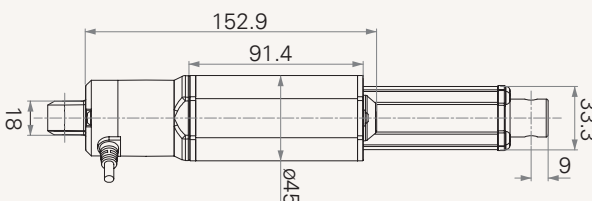
Voltage of motor	12V DC, 24V DC, 36V DC, or 48VDC
Maximum load	2,000N in pull/push
Maximum speed	55mm/s
Minimum installation dimension	stroke+108mm
Color	silver
Certificate	IEC60601-1 compliant
Options	potentiometer, optical, Hall/Reed sensor

Drawing

Dimension Without
Sensor or with
Hall Sensor(s)



Dimension with
POT, Optical, or
Reed Sensor



TA2P Load and Speed

CODE	Rated Load		Max. Current at Full Load (12V)	Typical Current at Rated Load (A)	Typical Speed	
	PUSH N	PULL N			No Load (24V DC) mm/s	Rated Load (24V DC) mm/s
Motor Speed (5200RPM)						
A	250	250	4.4	2.2	43	36
B	500	500	4.4	2.2	28	24
C	1000	1000	4.4	2.2	14	12
D	1500	1500	4.4	2.2	9.3	8
E	2000	2000	4.4	2.2	7	6
Motor Speed (6600RPM)						
F	250	250	5.6	2.8	55	46
G	500	500	5.6	2.8	35	30
H	1000	1000	5.6	2.8	18	15
K	1500	1500	5.6	2.8	12	10.3
L	2000	2000	5.6	2.8	9	7.5

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.

Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application.

Due to continuous development in order to improve our products, TiMOTION products are subject to frequent modifications and changes without prior notice.

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TA2P Minimum Retracted Length

Stroke	Output Signals (#0, #4, #5)	Output Signals (#1, #2, #3)
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for Front Attachment 1,2 with Rear Attachment 1,2,3**25~50mm****51~100mm** Stroke+108mm Stroke+138mm**101~150mm****151~200mm****201~250mm** Stroke+110mm Stroke+140mm**251~300mm**

Stroke	Output Signals (#0, #4, #5)	Output Signals (#1, #2, #3)
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for Front Attachment 3,4,5 with Rear Attachment 1,2,3**25~50mm****51~100mm** Stroke+120mm Stroke+150mm**101~150mm****151~200mm****201~250mm** Stroke+122mm Stroke+152mm**251~300mm**

TA2P

Version: 20130204-F

<input type="checkbox"/>	Voltage	1 = 12V	2 = 24V	3 = 36V	4 = 48V
<input type="checkbox"/>	Load and Speed	See appendix			
<input type="checkbox"/>	Stroke				
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>	Retracted Length	See appendix			
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>	Rear Attachment	1 = Hole 6.4mm	2 = Hole 8mm	3 = Hole 10mm	A = Customized
<input type="checkbox"/>	Front Attachment	1 = Hole 6.4mm		4 = U clevis, slot 6mm, hole 6.4mm	
		2 = Hole 8mm		5 = U clevis, slot 6mm, hole 8mm	
		3 = U clevis, slot 6mm, hole 10mm		A = Customized	
<input type="checkbox"/>	Direction of Rear Attachment	1 = 90° (standard)			
<input type="checkbox"/>	Functions for Limit Switches	1 = Two switches at the retracted/extended positions to cut current	4 = Two switches at the retracted/extended positions and the third one in between to send signal		
		2 = Two switches at the retracted/extended positions to cut current with the third one in between to send signal	A = Customized		
		3 = Two switches at the retracted/extended positions to send signal			
<input type="checkbox"/>	Output Signals	0 = Without	2 = Optical	4 = One Hall sensor	
		1 = Potentiometer	3 = Reed	5 = Two Hall sensors	
<input type="checkbox"/>	Plug	1 = TiMOTION's standard plug	2 = Tinned leads	A = Customized	
<input type="checkbox"/>	Cable Length	1 = Straight, 300mm	2 = Straight, 600mm	3 = Straight, 1000mm	A = Customized