

TA3

series



Product Segments

- Auto Motion

TA3 is an ideal product especially created for harsh working environment. While working with heavy-duty machinery, such as harvester, construction machinery, and other industrial equipment, we would like to recommend our reliable TA3 to those, who need to meet severe specification and challenges in the extreme working conditions.

General Features

Spindle	ACME or Ball screw
Voltage of motor	12V DC, 24V DC, 36V DC, 110V AC, or 230V AC
Maximum load	4,500N in pull/push
Maximum speed	58.5mm/s
Minimum installation dimension	stroke+160mm (without POT)
Minimum installation dimension	stroke+196mm (with POT)
Color	black
Protection class	IP66 dynamic
Options	Overload clutch, Hall sensor, POT, manual crank function

Mechanical or electromagnetic brake

Test under change of temperature, dry heat, salt spray, chemicals, vibration, bump, shock...etc.

Heavy duty cycle (20%), corrosion proof

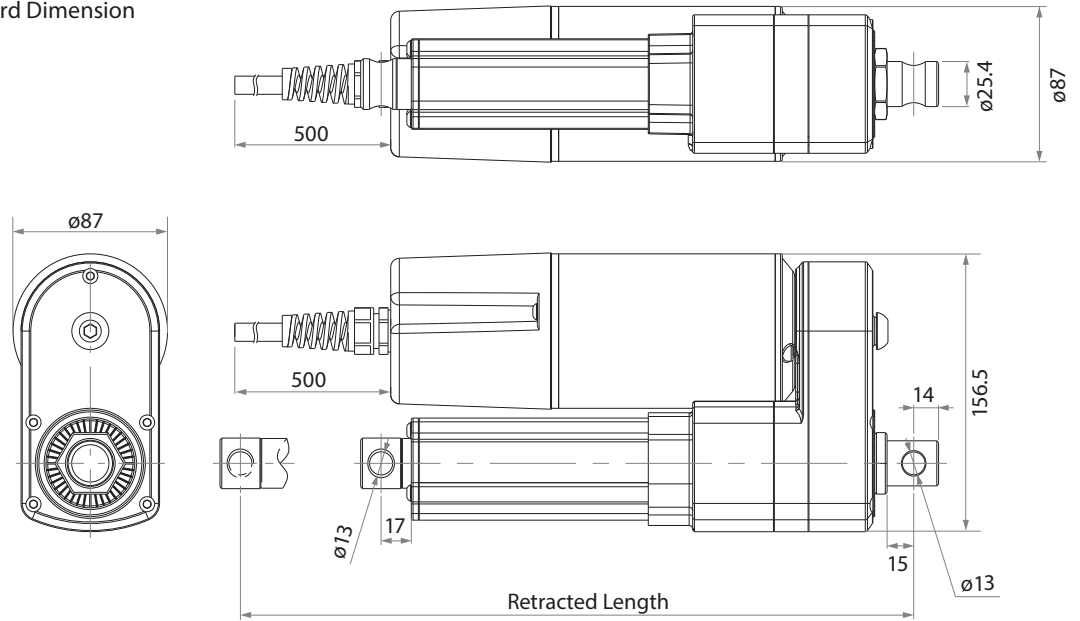


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We can control and automate ANYTHING

Drawing

Standard Dimension



Load and Speed

CODE	Gear Ratio	LOAD (N)	Current at Full Load (A)		Speed at No Load (mm/s)		Speed at Full Load (mm/s)	
			12V DC	24V DC	12V DC	24V DC	12V DC	24V DC

ACME Screw, DC Motor (12V DC/24V DC/36V DC)

B	10:1	1500	15.4	7.7	29.5	29.5	27.0	27.0
C	20:1	2500	14.0	7.0	15.8	15.8	14.3	14.3

Ball Screw, DC Motor (12V DC/24V DC/36V DC)

A	5:1	2500	25.0	12.5	58.5	58.5	48.0	48.0
B	10:1	3500	18.0	9.0	29.8	29.8	25.5	25.5
C	20:1	4500	13.0	6.5	16.0	16.0	14.0	14.0

CODE	Gear Ratio	LOAD (N)	Current at Full Load (A)		Speed at No Load (mm/s)		Speed at Full Load (mm/s)	
			115V AC	230V AC	115V DC	230V AC	115V DC	230V AC

ACME Screw, AC Motor (110V AC 60HZ/230V AC 50HZ)

B	10:1	1500	2.0	1.0	26.1	22.5	23.0	21.0
C	20:1	2500	2.0	1.0	14.1	12.0	12.8	11.2

Ball Screw, AC Motor (110V AC 60HZ/230V AC 50HZ)

A	5:1	2500	2.5	1.3	53.0	46.0	38.5	40.0
B	10:1	3500	2.1	1.1	27.0	23.5	22.5	21.5
C	20:1	4500	2.0	1.0	14.5	12.0	13.0	11.5

Note

- 1 Please contact TiMOTION before making an order.
- 2 Push = Pull.
- 3 Rated load = self locking force, if choose mechanical brake.

Terms of Use

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

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

TecHome reserves the right to discontinue the sale of any products displayed on its website or listed in its catalogue or other written materials drawn up by TecHome.