

LINEAR ACTUATOR

VIA5 ACME series

100/115/230 V AC Motor
Max. Load: 3,500 N
Max. Speed: 28 mm/sec

Feature :

Steel Extension Tube
Working Temperature: -26°C to +65°C
Static Load Capacity: 4,500 N
ACME Screw
Powder Metallurgy Gears
Aluminium Alloy Housing
Overload Protection by Clutch
Self-Locking
Duty Cycle: 25 %
Gear Ratio: 10:1, 20:1, 40:1
Protection: IP54

Option :

Potentiometer
Adjustable Limit Switches
Protection: IP65



Standard

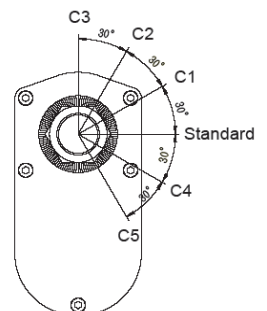


Potentiometer
& Limit Switches

Model No. Designations:

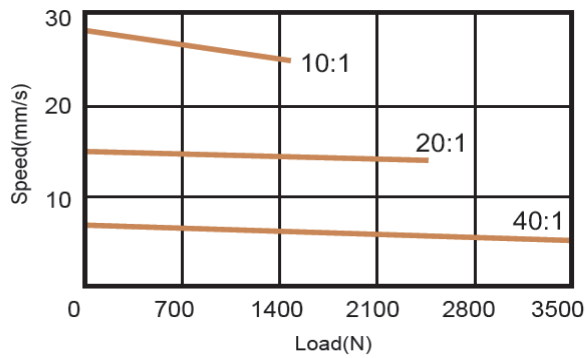
VIA5	•	230	•	40	•	A	•	600	•	POT.LT
Model		Voltage		Gear Ratio		A: ACME B: Ball Screw		Stroke (mm)		POT: Potentiometer LT: Limit Switch
		230 V AC / 50Hz		40-40:1						
		115 V AC / 60Hz		20-20:1						
		100 V AC / 60Hz		10-10:1						

Gear Ratio	Max. Push (N)	Max. Pull (N)	Speed at No load (mm/s)	Speed at Full load (mm/s)	Stroke B-A (mm)	Voltage (VAC)
10:1	1500	1500	28	25	100-600	100/115/230
20:1	2500	2500	15	13	100-600	100/115/230
40:1	3500	3500	8	7	100-600	100/115/230



Venture VIA5 - ACME Series

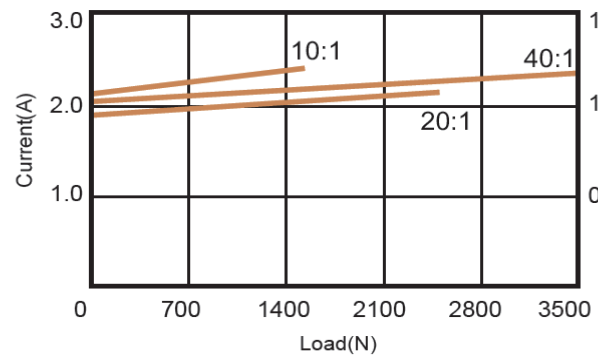
Speed vs Load



115 VAC

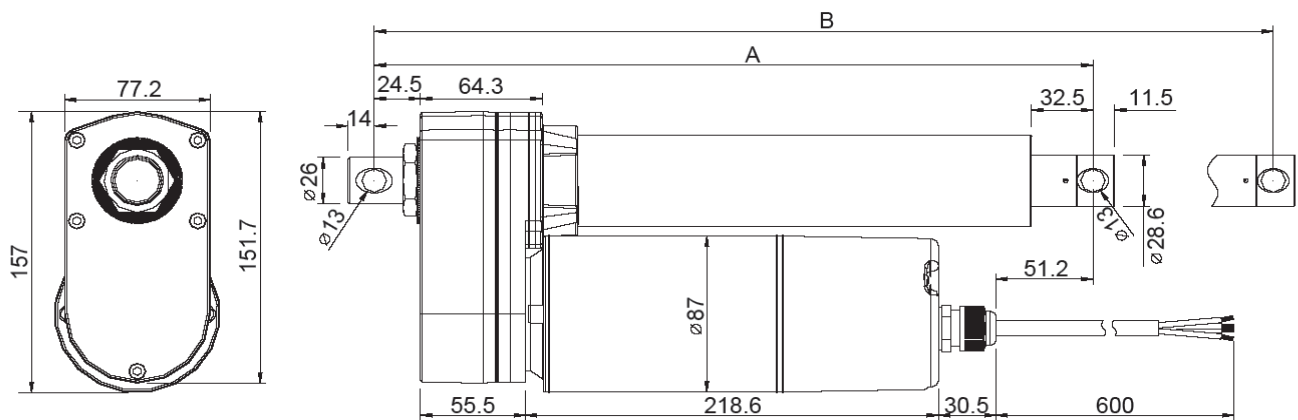
Current vs Load

230 VAC



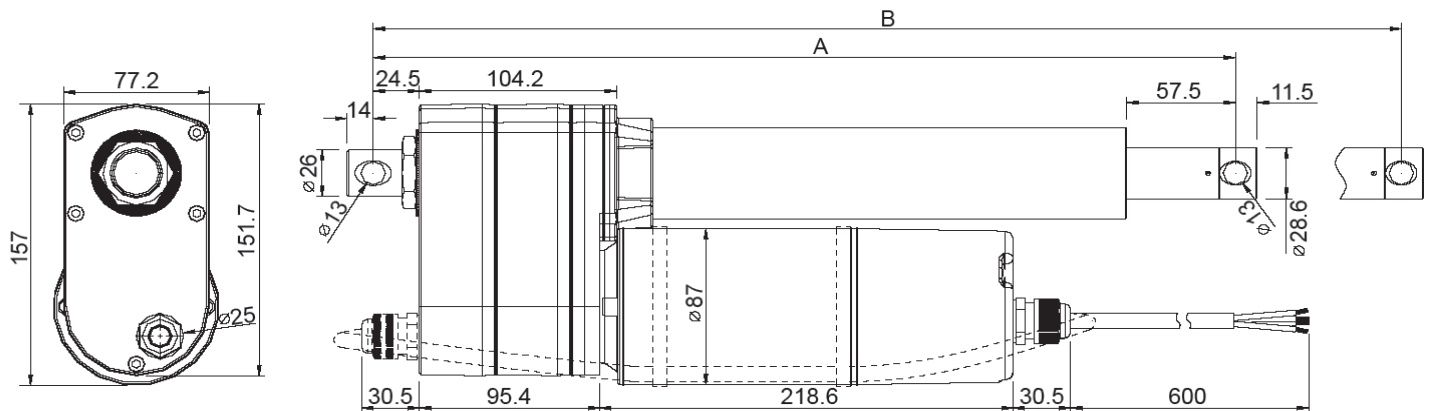
Standard

	4"	6"	8"	12"	18"	24"
Stroke(± 5 mm)	102 mm	152 mm	203 mm	305mm	457mm	610mm
Retracted Length(A ± 3 mm)	380 mm	431 mm	482 mm	584mm	737mm	890mm
Extended Length(B ± 3 mm)	482 mm	583 mm	685 mm	889mm	1194mm	1500mm



With Limit Switches or Potentiometer (POT)

	4"	6"	8"	12"	18"	24"
Stroke(± 5 mm)	102 mm	152 mm	203 mm	305mm	457mm	610mm
Retracted Length(A ± 3 mm)	456 mm	507 mm	558 mm	660mm	818mm	971mm
Extended Length(B ± 3 mm)	558 mm	659 mm	761 mm	965mm	1275mm	1581mm



LINEAR ACTUATOR

VIA5 Ball Screw series

100/115/230 V AC Motor

Max. Load: 7,000 N

Max. Speed: 56 mm/sec

Feature :

Steel Extension Tube

Working Temperature: -26°C to +65°C

Static Load Capacity: 13,600 N

Ball Screw

Powder Metallurgy Gears

Aluminium Alloy Housing

Overload Protection by Clutch

Self-Locking

Duty Cycle: 25 %

Gear Ratio: 5:1, 10:1, 20:1, 30:1, 40:1

Protection: IP54

Option :

Potentiometer

Adjustable Limit Switches

Protection: IP65



Standard

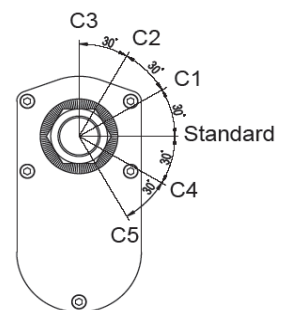


**Potentiometer
& Limit Switches**

Model No. Designations:

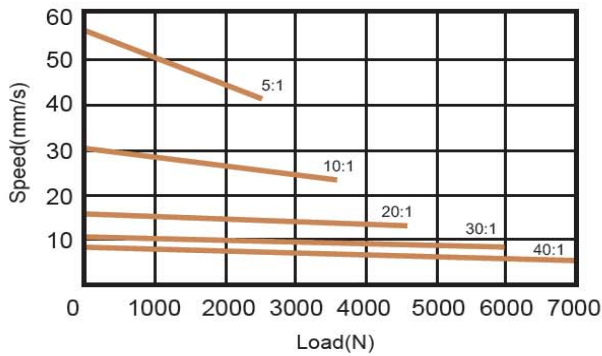
VIA5	230	40	B	600	POT.LT
Model	Voltage	Gear Ratio	B: Ball Screw A: ACME	Stroke (mm)	POT: Potentiometer LT: Limit Switch
	230 V AC / 50Hz 115 V AC / 60Hz 100 V AC / 60Hz	40-40:1 30-30:1 20-20:1 10-10:1 5-5:1			

Gear Ratio	Max. Push (N)	Max. Pull (N)	Speed at No load (mm/s)	Speed at Full load (mm/s)	Stroke B-A (mm)	Voltage (VAC)
5:1	2500	2500	56	43	100-600	100/115/230
10:1	3500	3500	30	25	100-600	100/115/230
20:1	4500	4500	15	13	100-600	100/115/230
30:1	6000	6000	10	8.5	100-600	100/115/230
40:1	7000	7000	8	7	100-600	100/115/230



Venture VIA5 - Ball Screw Series

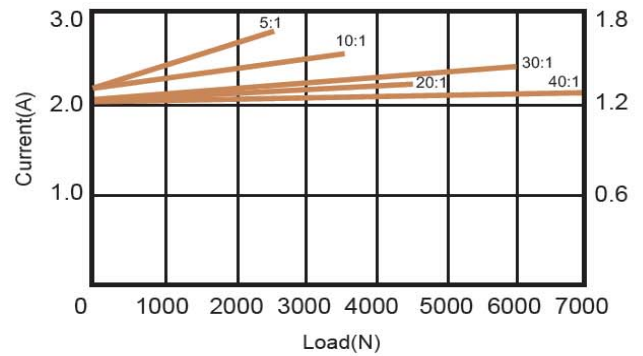
Speed vs Load



115 VAC

Current vs Load

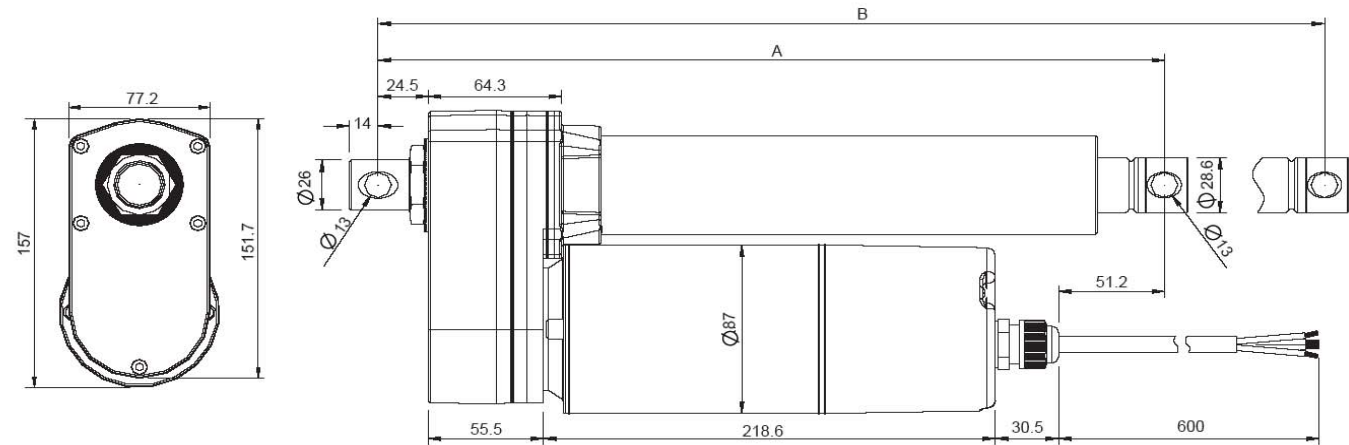
230 VAC



Standard



	4"	6"	8"	12"	18"	24"
Stroke ($\pm 5\text{mm}$)	102 mm	152 mm	203 mm	305mm	457mm	610mm
Retracted Length ($A \pm 3\text{mm}$)	380 mm	431 mm	482 mm	584mm	737mm	890mm
Extended Length ($B \pm 3\text{mm}$)	482 mm	583 mm	685 mm	889mm	1194mm	1500mm



With Limit Switches or Potentiometer (POT)



	4"	6"	8"	12"	18"	24"
Stroke ($\pm 5\text{mm}$)	102 mm	152 mm	203 mm	305mm	457mm	610mm
Retracted Length ($A \pm 3\text{mm}$)	456 mm	507 mm	558 mm	660mm	818mm	971mm
Extended Length ($B \pm 3\text{mm}$)	558 mm	659 mm	761 mm	965mm	1275mm	1581mm

