

*LINEAR ACTUATOR*

*IA5 ACME series*

115 / 230 V AC Motor  
 Max. Load: 3,500 N  
 Max. Speed: 26.5 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  
 Thermal Overload Protection in the Motor  
 Duty Cycle: 25 %  
 Gear Ratio: 10:1, 20:1, 40:1  
 Protection: IP54

**Option :**  
 Potentiometer  
 Adjustable Limit Switches  
 Optional or Customized Front/Rear  
 Mounting Bracket  
 Protection: IP65



**Standard**

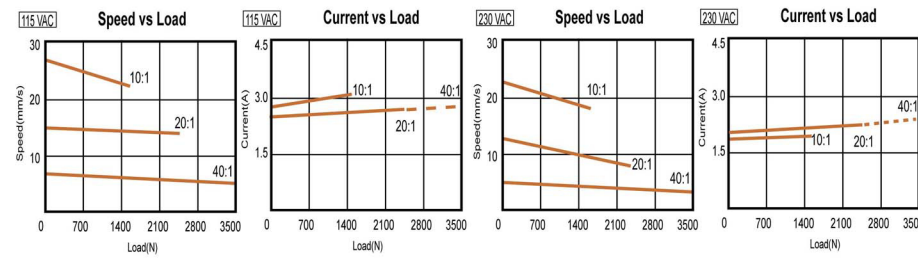
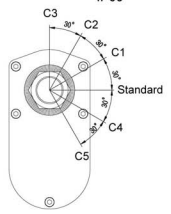


**Potentiometer & Limit Switches**

**Model No. Designations:**

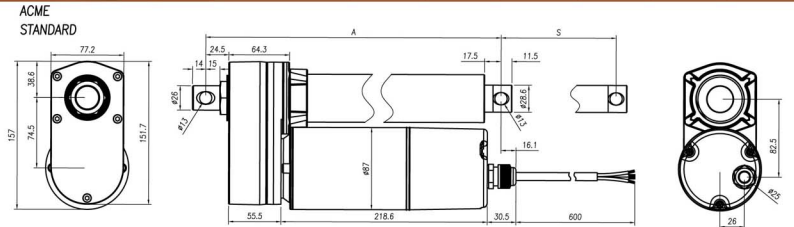
|       |                               |   |                          |                |  |
|-------|-------------------------------|---|--------------------------|----------------|--|
| IA5   | 230                           | 40  | A                        | 610            | POT.LT.IP65                                    |
| Model | Voltage<br>230 VAC<br>115 VAC | Gear Ratio<br>40-40:1<br>20-20:1<br>10-10:1 | A: ACME<br>B: Ball Screw | Stroke<br>(mm) | POT: Potentiometer<br>LT: Limit Switch<br>IP65 |

| Gear Ratio | Max. Push<br>(N) | Max. Pull<br>(N) | Speed at No load<br>(mm/s) | Speed at Full load<br>(mm/s) | Stroke<br>(mm) | Voltage<br>(VAC) |
|------------|------------------|------------------|----------------------------|------------------------------|----------------|------------------|
| 10:1       | 1500             | 1500             | 26.5 / 21.8                | 22.9 / 17.5                  | 102-610        | 115 / 230        |
| 20:1       | 2500             | 2500             | 13.1 / 10.8                | 11.8 / 9.3                   | 102-610        | 115 / 230        |
| 40:1       | 3500             | 3500             | 6.6 / 5.4                  | 6.0 / 4.9                    | 102-610        | 115 / 230        |



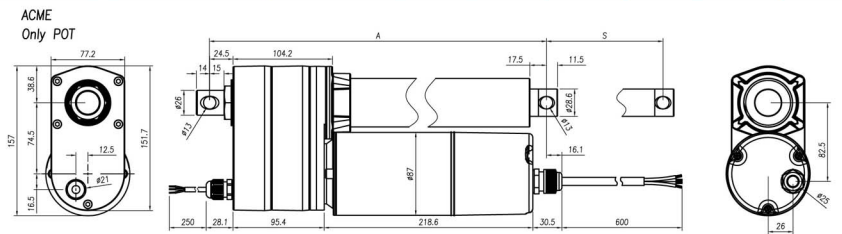
**Standard**

|                           | 4"     | 6"     | 8"     | 12"   | 18"   | 24"   |
|---------------------------|--------|--------|--------|-------|-------|-------|
| Stroke(±2.5mm)            | 102 mm | 153 mm | 203 mm | 305mm | 457mm | 610mm |
| Retracted Length(A±3.8mm) | 262 mm | 313 mm | 364 mm | 465mm | 668mm | 821mm |



**With Potentiometer (POT)**

|                           | 4"     | 6"     | 8"     | 12"    | 18"   | 24"   |
|---------------------------|--------|--------|--------|--------|-------|-------|
| Stroke(±2.5mm)            | 102 mm | 153 mm | 203 mm | 305mm  | 457mm | 610mm |
| Retracted Length(A±3.8mm) | 302 mm | 353 mm | 404 mm | 505 mm | 708mm | 861mm |



**With Limit Switches or Limit Switches+POT**

|                         | 4"     | 6"     | 8"     | 12"   | 18"   | 24"   |
|-------------------------|--------|--------|--------|-------|-------|-------|
| Stroke(±5mm)            | 102 mm | 153 mm | 203 mm | 305mm | 457mm | 610mm |
| Retracted Length(A±5mm) | 359 mm | 410 mm | 460 mm | 613mm | 765mm | 918mm |

