

# Tritex EVA Specifications

The Tritex EVA intelligent electric valve actuators were designed specifically for valve control in the process and oil & gas industries. Zero emissions, low maintenance, and proven reliability make this product perfect for companies needing to eliminate their methane emissions and improve operational efficiency.

## Benefits

- 100% duty cycle rated for continuous modulation
- Fast valve close times in as little as 1 second
- Robust roller screw drive train for low maintenance and industry leading life
- Servo design allows for valve jam protection
- Advanced valve seating control extends valve life
- Absolute position sensing for increased control
- Compact overall footprint



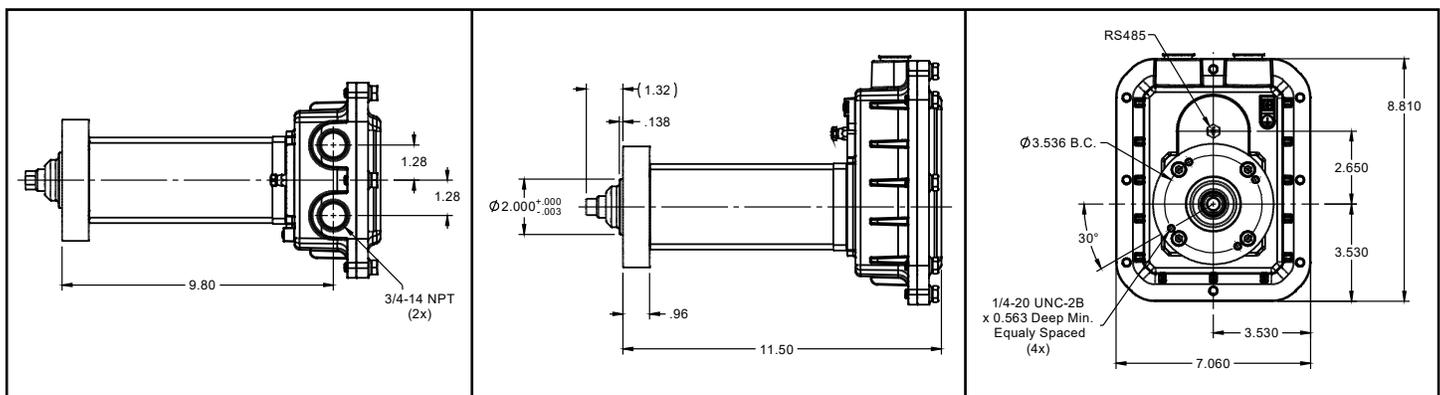
<b>Power &amp; Control</b>	
Rated Thrust	1000 lbf (4.4 kN)
Seating Thrust ISO Rated Thrust	1500 lbf (6.67 kN)
Rated Speed	1 in/s (24.4 mm/s) @ 24 Vdc
Stroke Length	4 in (101.6 mm)
Input Voltage	12-24 Vdc nominal, 9-32 Vdc max range
Input Current	10 A @ rated thrust, 1 A @ nominal thrust
<b>Endurance &amp; Life</b>	
Endurance	10,000 + starts, 3600+ starts per hour
Duty	Class D continuous modulating, 100% duty cycle
Life	10,000,000+ cycles over 10 years
<b>Communication &amp; Commissioning</b>	
Serial Interface	Isolated Modbus RTU (RS-485), max baud rate 38.4 k
Software Tool	Free-to-download Expert PC commissioning tool
<b>Inputs &amp; Outputs</b>	
Digital Inputs	3 - Isolated, 9-30 Vdc
Digital Outputs	2 - Isolated, 9-30 Vdc
Analog Input	1 - Isolated, 4-20 mA, position / thrust demand
	0.1% resolution 0.5% linearity over temperature range
Analog Output	1- Isolated, 4-20 mA, position / thrust feedback
	0.1% resolution, 0.5% linearity over temperature range

## Environmental & Mounting

Enclosure	NEMA 4X, IP66
Operating temperature	-40 to 149 °F (-40 to 65 °C)
Ambient storage temperature	-58 to 185 °F (-50 to 85 °C)
Mounting	Face mount, any orientation, with valve adapter
Noise	Less than 70 dB operation
Weight	Approximately 17.2 lbs (7.8 kg)
<b>Standards</b>	
Approvals	cCSAus Class 1, Division 2, Group A, B, C, D, T5
Product Standards	ISO 22153, RoHS

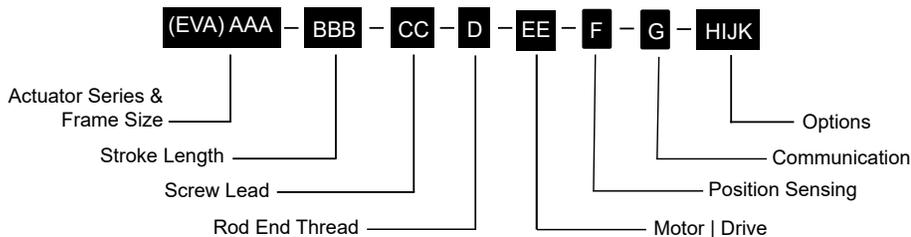
## Dimensions

Tritex EVA080



## Ordering Info

Sample Product Number: EVA080-100-01-B-AA-H-R-XXXX



### Actuator Series

EVA = Electric Valve Actuator, Linear

### AAA = Actuator Frame Size

080 = 80 mm (3.1 in)

### BBB = Stroke Length

100 = 100 mm (4 in)

### CC = Screw Lead

01 = 2.54 mm (0.1 in), Roller Screw

### D = Rod End Thread

B = Female Metric, M12x1.25

### EE = Motor | Drive

AA = Standard Motor (A), Standard Servo Drive (A), 12-24 Vdc Input

### F = Position Sensing

H = Absolute Position Sensing

### G = Communication

R = Standard Modbus RTU (RS-485)

