

# Bettis XTE3000 Specification Sheet



Customer Name	TO BE DETERMINED		
Project Name			
Date	April 19, 2024	Quantity	1
Revision	1	Salesperson	
Prepared For		Quote No.	N/A
RFQ Number		Sales Order No.	N/A
PO Number		Serial No.	N/A
Customer Item No.		Line No.	1

## Valve Data - General

Valve Type		Valve Manufacturer	
Valve Size		Valve Class	

## Valve Data - Technical

Torque		Thrust		Valve Stem	
Break to Open		Break to Open		Shaft Diameter	
Run to Open		Run to Open		Valve Turns	
End to Open		End to Open		Thread Lead	
Break to Close		Break to Close		Thread Pitch	
Run to Close		Run to Close		Thread Hand	
End to Close		End to Close		Key Width	
MAST (Torque)		MAST (Thrust)		Key Height	
		Valve Stroke		No. of Keys	

## Actuator Data

Model String	XC058-UJ3FC-MXM0XX-03A3XX	Model Code	XTE_020/180-58
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### External Attachments

Gear Model (Ratio)	No Gearbox	Linear Coupling	N/A
Gear Type	No Gearbox or Linear Attachment	Mounting Base	0 -- No Base
Gear Mechanical Adv.	N/A	Mounting Flange	N/A

### Performance

Rated Output Torque	132.76 lb.ft	Valve Op. Time (QT)	N/A
Rated Output Thrust	N/A	Valve Op. Time (MT)	60 seconds
Max Valve Stem Dia.	1.77 inches	Output RPM (MT)	58 RPM
Actuator-Only Torque	132.76 lb.ft	Linear Speed	N/A
		Actuator-Only Speed	58 RPM

### Mechanical / Physical

Int. Worm Gear Ratio	20:1	Lubricant	Shell OMALA S4 WE 320
Handwheel Type	CS top-mounted (standard)	Conduit Entry Qty	3
Handwheel Diameter	19.69 inches	Conduit Entry Thread	[2 x 1" NPT] + [1 x 1-1/2" NPT] - STANDARD
Handwheel Rimpull	128 lbf	Conduit Entry Plugs	316 Stainless Steel
Stem Prot. Type	N/A	Display Orientation	0 Degrees
Stem Prot. Length	N/A	Paint Color	RAL 7012

### Electrical

Power Supply	3ph 460V, 60Hz	Motor Power	0.84 HP
Voltage Tolerance	± 10%	Nom. Current (40%)	2.86 A
Motor Duty	S4-25%, 600st/hr Modulating	Seat Current (100%)	4.81 A
Motor Type	TM21	Locked Rotor Current	8.80 A
Optional Heater	No Heater		

### Enclosure Certification

Certificate Type	FM - Class I, II, III, Div 1, Groups C, D, E, F, G; T4		
Certificate Number	FM18US0279X	Temperature Range	-4°F to 158°F / -20°C to 70°C

### Control and Networking

Analog Positioner	Local Control + 4-20mA Input/Output	Bus Protocol	No Bus Card (Hard-Wired)
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### Drawings

#### Base Actuator

Base Wiring Diagram XWD85CT000E

Outline Drawing XECC0200000AA3A0

#### Additional Wiring Diagrams

115VAC Transformer N/A

Circuit Breaker N/A

Remote Display Mod. N/A

Pushbutton Module N/A

### Miscellaneous / Special Features

Misc. Adder 1 None

Misc. Adder 2 None

Misc. Adder 3 None

Misc. Adder 4 None

Misc. Adder 5 None

Misc. Adder 6 None

Misc. Adder 7 None

Misc. Adder 8 None

Misc. Adder 9 None

Misc. Adder 10 None

### Additional Accessories and Services

Stem Nut Machining

Valve Tag(s)

### Testing

- An outgoing test certificate is created for every XTE3000 assembled in the factory. This certificate can be provided at no charge.
- This test involves a mounting flange check, voltage test, manual override test, local interface test, output relay configurations, output torque / RPM / current draw test, 4-20mA and/or bus interface test, and a general dimensional check.
- The factory should be consulted if additional testing or inspection (beyond standard) is required. Price adders will apply in such cases.

### Additional Notes