

Bettis XTE3000

Electric Actuator

The XTE3000 is an intelligent, multi-turn electric actuator from the Bettis family of actuators. Specifically designed to meet the most challenging valve automation demands of the Oil & Gas, Power, and Process industries, the XTE3000 is compliant with a wide range of international standards and is the ideal solution to your plant's safety and reliability requirements.



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Actuator Models

General Information

General	Non-intrusive intelligent multi-turn electric actuator
Starter	Integrated

Specifications

Enclosure	Aluminum alloy housing with only three compartment covers. Highly resistant to corrosion.		
Control Enclosure	The enclosure includes logic circuit boards, power boards, reversing contactor, non-intrusive local interface with three push-buttons (for OPEN, STOP, and CLOSE control and actuator configuration), LED indicators (yellow, green, and red), and a selector switch with LOCAL, OFF, and REMOTE positions. Standard features included are: Automatic Phase Correction, Phase Failure Detection, Anti-hammer Protection, Jammed Valve Protection, Instantaneous Reversal Protection, ESD, Contactor Failure, Electronic Temperature Warning, Electronic Nameplate, Timer, Double Displays.		
Lubrication	Lubricated in an oil bath for the entire duration of the actuator's service life. Gear oil is used by default. Hydraulic oil is used when the ambient temperature drops to -40 °F (-40 °C) or below.		
Manual Operation	Handwheel and de-clutch lever, painted black, with automatic de-clutch when the motor starts; the handwheel will not rotate or engage while the actuator motor is in operation.		
Torque & Position sensor	High-precision and high-resolution torque sensor. Torque detection is based on motor torque vs. speed characteristics, and is voltage- and temperature-compensated. Position detection is based on an absolute encoder, controlled by a dedicated microprocessor with low power consumption. The Limit Position can be adjusted from 0% to 100% of the open position. The Output Torque can be adjusted from 40% to 100% of the nominal torque.		
Torque Alarm Bypass	The Torque Alarm activates when 100% of the actuator's rated torque is reached, which can result from the attempted actuation of jammed or long-inactive valves. When active, this alarm stops the actuator motor and prevents any further stroke of the valve so long as the high torque persists. Torque Alarm Bypass (also known as torque switch bypass) allows the Torque Alarm to be disregarded during the first 0-20% (configurable; default is 0%) of actuator stroke, allowing "sticky" valves to be unseated without causing the motor to repeatedly (and unnecessarily) cease operation.		
Diagnostics	Data logger, warnings, and alarm diagnostic messages are available on the local display or are remotely transmittable, for high-efficiency preventive maintenance programs and actuator status control. Instantaneous and historical data are available.		
2-Speed Timer	Software routine that extends actuator traveling time in the OPEN or CLOSED direction.		
Monitor Relay	Indicates if the actuator can be controlled remotely; under normal conditions, the Monitor Relay is a change-over switch that is energized and allows remote control of the actuator. One (or more) of 18 conditions (alarms) can cause the Monitor Relay to de-energize (switch over) and thus prevent remote control of the actuator until the responsible condition(s) is rectified. The actuator may be configured to disregard up to 8 of the 18 alarm conditions.		
Remote Output Contacts	A total of eight (8) auxiliary relays (switches) are available for remote indication and diagnostics. The first seven relays are all latching type. The eighth relay is a change-over type. 28 possible conditions (status or warnings) may be selected from when configuring these relays.		
Terminal Board	Terminal compartment cover possesses a gasket-style seal, which interfaces with the main housing for maximum protection against dust and humidity.		
Heater	Heaters are installed on the local interface, processor card, and terminal board card. Activation and operation of these heaters is managed by a dedicated microprocessor.		
Paint Finish	Type	Procedure	Typical Environments
	Standard	Corrosion category protection C4 (EN12944-2) High Durability	Industrial areas and coastal areas with moderate salinity.
	Special	Corrosion category protection C5 (EN12944-2) High Durability	Industrial areas with high humidity and aggressive atmosphere, and coastal and offshore areas with high salinity.
Actuator Nameplate	In stainless steel, complete with all the actuator's relevant characteristics. Nameplates in English language.		
Conduit Entry Points	Standard	1in NPT (Qty 2) 1-1/2in NPT (Qty 1)	
	Option	3/4in NPT (up to Qty 2)	

Controls

Local Controls	A padlock-able LOCAL/OFF/REMOTE selector switch and OPEN/STOP/CLOSE push-buttons are included for local control.	
LEDs	LED colors: OPEN / opening = green (alternate = red) CLOSE / closing = red (alternate = green) Alarm / warning = yellow (alternate = red) Bluetooth active = blue LEDs can be changed to their alternate colors via the local control interface.	
Bluetooth	Bluetooth port included for easy wireless configuration, diagnostics, and control via a PC with Emerson DCMLink software.	
Remote Control	4 wires latched (OPEN, CLOSE, STOP, COMMON) 3 wires (OPEN, CLOSE, COMMON) 2 wires (Normally Open (NO) contact to open or reverse)	
Control Voltage/Control Inputs	Internal supply: 24VDC nominal (actually 23-27VDC; max 4W) via actuator terminal board to power remote controls or external devices	External supply: 20-125VDC or 20-120VAC; max 25mA
Remote Output Contacts	Status Open limit Closed limit Position >=xx % Position <=xx % Closing Opening Motor running flashing Mid-travel position LOCAL mode selected REMOTE mode selected Local STOP button active ESD signal on Manual operation	Alarms Motor over-temperature Over-torque while OPENING Over-torque while CLOSING Valve jammed while OPENING Valve jammed while CLOSING Valve jammed Warnings Low lithium battery (if present) Mid-travel alarm in while OPENING or CLOSING Auxiliary relay AS8 powered only by mains supply
Interlock Controls	Two interlock inputs are available to inhibit actuator movement in OPEN or CLOSE direction	
Emergency Shutdown (ESD)	Emergency shut-down (ESD) command makes the actuator perform the relevant programmed action (requires power supply). To prevent unintended damage to the actuator, only the 2-Speed Timer and Selector Switch = LOCAL are overridden by the ESD by default. The other conditions below can only be overridden by the ESD if the actuator is configured to do so.	
	Actions overridden by ESD by default: - 2-Speed Timer - Selector switch = LOCAL Actions only overridden by ESD if actuator is specifically programmed to do so: - Over-Torque Alarm - Motor Temperature Alarm - Pressing of local STOP button - Selector switch = OFF	Programmable ESD actions: - OFF - Fully OPEN - Fully CLOSED - Move to last position - Move to predetermined position (xx%)
Monitor Relay	Loss of power Loss of one phase Electrical contactor failure Local stop activated Local selector switch in LOCAL/OFF Internal temperature alarm Position sensor Hardware error	Motor temperature alarm Torque alarm Jammed valve Mid-travel alarm Speed sensor configuration error Manual operation ESD signal Low battery

Intelligent Protection	Automatic phase correction Phase failure correction Motor thermostat Jammed valve protection Anti-hammer protection Instantaneous reversal protection	Warnings Contactor failure Maximum torque alarm Torque alarm bypass High/low electronic temperature Optical-isolated coupled (opto-coupled) remote controls
Position Display (upper display)	Transflective numeric Liquid Crystal Display (LCD), which expresses current actuator position as a percentage to one decimal place (0.0% to 100.0%). 100.0% represents one full rotation (360°) of the actuator output shaft	
Menu Display (lower display)	Organic Light-Emitting Diode (OLED) with a resolution of 128 x 64 dots. Yellow monochromatic characters are displayed upon a black background	
Multiple Languages	English, Italian, German, French, Portuguese, Spanish, Russian, Turkish, Norwegian, Romanian	
Battery	Option A [9V lithium battery included]	- Local position display active (LCD) - Real-time clock (Back-up) - 4-20 mA positioner & relays active Above functionality is also available with MAIN POWER SUPPLY OFF
	Option B [No Battery]	- Local position display active (LCD) - Real-time clock - 4-20 mA positioner & relays active Above functionality is available only with MAIN POWER SUPPLY ON

Standards and Directives

The XTE3000 is certified as IP66/68 (90 hours of submersion at 50ft / 15m depth) or equivalently NEMA 250 (Type 4, 4X, 6).

The XTE3000 is additionally certified as per the following directives:

- India - C.C.O.E. ⁽²⁾
- International – IECEx
- Canada – FM-c
- China – NEPSI ⁽²⁾
- USA – FM
- SIL 2/3
- Korea – KOSHA ⁽²⁾
- Brazil – INMETRO ⁽²⁾
- Russia, Belarus, Kazakhstan – EAC CoC (CU-TR) ⁽²⁾

Note (2) : Consult factory.

Test Summary

■ Vibration Test

- XTE3000 is certified as per IEC 60068-2-6- Appendix B (plant induced): frequencies from 1 to 500 Hz (in 3 axes) with 2.0g peak acceleration. Sweep cycles in each axis: 10.

■ Seismic Test

- XTE3000 is tested in accordance with IEC 60068-2-57. Frequencies from 1 to 35 Hz (in 3 axes) with max 2.0g peak acceleration. Verification of structural integrity at 5g. Endurance of oscillogram: 30 seconds.

■ Salt Spray Test

- XTE3000 external coating is tested for resistance to salt spray for 1,500 hours according to ASTM B117/IEC 68-2-11.

■ Noise Test

- XTE3000 is tested according to EN21680. Noise level is less than 65 dB (grade A) at 1m distance.

Applicable Standards and Regulations

■ Electromagnetic compatibility directive (EMC)

- XTE3000 actuators conform to the requirements of EMC Directive 2014/30/EU.

■ Low voltage directive (LV)

- XTE3000 actuators comply with Low Voltage Directive 2014/35/EU.

■ Machinery directive

- XTE3000 actuators comply with the provision of Machinery Directive 2006/42/EC.

■ RED directive

- XTE3000 actuators comply with the RED Directive 2014/53/EU.

■ ATEX directive

- XTE3000 actuators comply with the ATEX Directive 2014/34/EU.

Features and Functions

Power Supply Three-Phase AC

Open-Close | Positioning / Inching Duty

S2-15' | S4-25%, 60 St/h

Hazardous Areas	Enclosure marking				Actuator size (XTE-0XX)							
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾				10	20	30	40	50			
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾							40	50			
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾				10	20	30					
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68				10	20	30	40	50			
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾				10	20						
Enclosure Protection	Standard				IP68 in accordance with EN60529							
Ambient Temperature	Standard				-20°C to +85 °C ⁽³⁾							
	Special ⁽¹⁾				-60 °C to +85 °C ⁽³⁾							
Standard Voltage/Frequency	220 ⁽⁴⁾	230 ⁽⁴⁾	240 ⁽⁴⁾	380	400	415				AC (50Hz)	Volt	
	280 ⁽⁴⁾	440	460	480						AC (60Hz)	Volt	
Special Voltage/Frequency	440	500	660	690						AC (50Hz)	Volt	
	208	220	380	400	415	575				AC (60Hz)	Volt	
Type of Duty	Standard		S2-15' S4-25%, 60 St/h Class A & B according to EN15714-2									
	In accordance with IEC 60034_1											
Insulation Class	Standard				Class H							

- Note (1): Not available with additional disconnectable bus module or extra cable entries unit.
- Note (2): Consult factory.
- Note (3): Alternative temperature ranges are available on request.
- Note (4): Consult factory to check availability of specific models.

Power Supply Three-Phase AC

Open-Close | Positioning | Inching Duty

S2-30'

Hazardous Areas	Enclosure marking						Actuator size (XTE-0XX)					
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾						10	20	30	40		
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾									40		
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾						10	20	30			
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68						10	20	30	40		
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾						10	20				
Enclosure Protection	Standard						IP68 in accordance with EN60529					
Ambient Temperature	Standard ⁽¹⁾						-20°C to +65°C ⁽³⁾					
	Special						-60 °C to +65°C ⁽³⁾					
Standard Voltage/Frequency	220 ⁽⁴⁾	230 ⁽⁴⁾	240 ⁽⁴⁾	380	400	415				AC (50Hz)	Volt	
	280 ⁽⁴⁾	440	460	480						AC (60Hz)	Volt	
Special Voltage/Frequency	440	660								AC (50Hz)	Volt	
	400									AC (60Hz)	Volt	
Type of Duty	Standard						S2-30' Class A & B according to EN15714-2					
	In accordance with IEC 60034_1											
Insulation Class	Standard						Class H					

- Note (1): Not available with additional disconnectable bus module or extra cable entries unit.
- Note (2): Consult factory.
- Note (3): Alternative temperature ranges are available on request.
- Note (4) : Consult factory to check availability of specific models.

Power Supply Three-Phase AC

Modulating Duty S4-25% 600 St/h

Hazardous Areas	Enclosure marking			Actuator size (XTE-0XX)							
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾			10	20	30	40				
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾						40				
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾			10	20	30					
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68			10	20	30	40				
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾			10	20						
Enclosure Protection	Standard			IP66/68 in accordance with EN60529							
Ambient Temperature	Standard			-20°C to +65 °C ⁽³⁾							
	Special ⁽¹⁾			-60 °C to +65 °C ⁽³⁾							
Standard Voltage/Frequency	220 ⁽⁴⁾	230 ⁽⁴⁾	240 ⁽⁴⁾	380	400	415				AC (50Hz)	Volt
	280 ⁽⁴⁾	440	460	480						AC (60Hz)	Volt
Special Voltage/Frequency	440	660								AC (50Hz)	Volt
	400									AC (60Hz)	Volt
Type of Duty	Standard			S4-25% 600 St/h, Class C according to EN15714-2							
	In accordance with IEC 60034_1										
Insulation Class	Standard			Class H							

1. Note (1): Not available with additional disconnectable bus module or extra cable entries unit.
2. Note (2): Consult factory.
3. Note (3): Alternative temperature ranges are available on request.
4. Note (4): Consult factory to check availability of specific models.

Power Supply Three-Phase AC

Modulating Duty

S4-50% 1200 St/h

Hazardous Areas	Enclosure marking			Actuator size (XTE-0XX)							
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾			10	20	30	40				
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾						40				
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾			10	20	30					
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68			10	20	30	40				
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾			10	20						
Enclosure Protection	Standard			IP66/68 in accordance with EN60529							
Ambient Temperature	Standard			-20°C to +65 °C ⁽³⁾							
	Special ⁽¹⁾			-60 °C to +65 °C ⁽³⁾							
Standard Voltage/Frequency	220 ⁽⁴⁾	230 ⁽⁴⁾	240 ⁽⁴⁾	380	400	415				AC (50Hz)	Volt
	280 ⁽⁴⁾	440	460	480						AC (60Hz)	Volt
Special Voltage/Frequency	440									AC (50Hz)	Volt
	400									AC (60Hz)	Volt
Type of Duty	Standard			S4-50% 1200 St/h, Class C according to EN15714-2							
	In accordance with IEC 60034_1										
Insulation Class	Standard			Class H							

1. Note (1): Not available with additional disconnectable bus module or extra cable entries unit.
2. Note (2): Consult factory.
3. Note (3): Alternative temperature ranges are available on request.
4. Note (4): Consult factory to check availability of specific models.

Power Supply Single-Phase AC

Open-Close | Positioning | Inching Duty

S2-15' | S4-25%, 60 St/h

Hazardous Areas	Enclosure marking		Actuator size (XTE-0XX)							
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾		10	20	30					
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾									
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾		10	20	30					
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68		10	20	30					
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾		10	20						
Enclosure Protection	Standard		IP68 in accordance with EN60529							
Ambient Temperature	Standard		-20°C to +65 °C ⁽³⁾							
	Special ⁽¹⁾		-60 °C to +65 °C ⁽³⁾							
Standard Voltage/Frequency	220	230							AC (50Hz)	Volt
	240								AC (60Hz)	Volt
Special Voltage/Frequency	110	115							AC (50Hz)	Volt
	120								AC (60Hz)	Volt
Type of Duty	Standard		S2-15' S4-25%, 60 St/h , Class A & B according to EN15714-2							
			In accordance with IEC 60034_1							
Insulation Class	Standard		Class H							

- Note (1): Not available with additional additional disconnectable bus module or extra cable entries unit.
- Note (2): Consult factory.
- Note (3): Alternative temperature ranges are available on request.

Power Supply Single-Phase AC

Modulating Duty

S4-50% 1200 St/h

Hazardous Areas	Enclosure marking		Actuator size (XTE-0XX)							
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾		10	20	30					
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾									
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾		10	20	30					
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68		10	20	30					
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾		10	20						
Enclosure Protection	Standard		IP68 in accordance with EN60529							
Ambient Temperature	Standard		-20°C to +65 °C ⁽³⁾							
	Special ⁽¹⁾		-60 °C to +65 °C ⁽³⁾							
Standard Voltage/Frequency	220	230							AC (50Hz)	Volt
	240								AC (60Hz)	Volt
Special Voltage/Frequency	110	115							AC (50Hz)	Volt
	120								AC (60Hz)	Volt
Type of Duty	Standard		S4-50% 1200 St/h, Class C according to EN15714-2							
	In accordance with IEC 60034_1									
Insulation Class	Standard		Class H							

1. Note (1): Not available with additional disconnectable bus module or extra cable entries unit.

2. Note (2): Consult factory.

3. Note (3): Alternative temperature ranges are available on request.

Power Supply Direct Current

Modulating Duty

S4-25% 600 St/h

Hazardous Areas	Certificate		Actuator type								
	II 2 GD - c Ex d e IIB T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾		10	20							
	II 2 GD - c Ex d e IIB+H2 T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾										
	II 2 GD - c Ex d e IIC T4 Gb - c Ex tb IIIC T135 C Db ⁽²⁾		10	20							
	II 2 GD - Ex db h (ia) IIB T4 Gb - Ex h tb IIIC T135 C Db IP66/68		10	20							
	II 2 GD - Ex db h (ia) IIC T4 Gb - Ex h tb IIIC T135 C Db IP66/68 ⁽¹⁾		10	20							
Enclosure Protection	Standard		IP68 in accordance with EN60529								
Ambient Temperature	Standard		-20°C to +65 °C ⁽³⁾								
	Special ⁽¹⁾		-60 °C to +65 °C ⁽³⁾								
Standard Voltage/Frequency	24	48								DC	Volt
Special Voltage/Frequency	110	120								DC	Volt
Type of Duty	Standard		S4-25% 600 St/h, Class C according to EN15714-2								
	In accordance with IEC 60034_1										
Insulation Class	Standard		Class H								

- Note (1): Not available with additional disconnectable bus module or extra cable entries unit.
- Note (2): Consult factory.
- Note (3): Alternative temperature ranges are available on request.

Technical Data

XTE3000 actuator model codes are defined as follows:

XTE-*wwwx/yyyy-zzz*

XTE	www	x/	yyyy -	zzz
	Actuator Size	Power Supply or Duty	Actuator Torque	Actuator Speed

Aspect	Data Entry	Units of Measure	Notes
Actuator Size	010, 020, 030, 040, 050		
Power Supply or Duty	(R), R, D, [BLANK]		<ul style="list-style-type: none"> (R) = Three-phase AC supply AND S4-50% modulating duty, 1,200st/hr R = Single-phase AC supply D = DC supply Otherwise, leave this field BLANK
Actuator Torque	30, 90, 180, 360, 720, 1440	Nm	
Actuator Speed	12, 24, 36, 48, 72, 144	RPM	Three-phase AC supply, 50Hz
	14, 22, 29, 43, 58, 86, 173	RPM	Three-phase AC supply, 60Hz
	SR1	RPM	Speed Range 1 for Single-phase AC supply
	SR2	RPM	Speed Range 2 for Single-phase AC supply
	SR3	RPM	Speed Range 3 for Single-phase AC supply
	SR1	RPM	Speed Range 1 for DC supply
	SR2	RPM	Speed Range 2 for DC supply

1. Actuator speed with single-phase AC supply is selected from within a speed range. When defining the model code as it pertains to speed, select only the speed range code (SR1, SR2, or SR3) that the actual speed falls within. The actual required speed (in RPM) shall not be defined in the model code but said speed will need to be supplied to the factory to allow the proper speed to be set during manufacture.
2. Actuator speed with DC supply is selected from within a speed range. When defining the model code as it pertains to speed, select only the speed range code (SR1 or SR2) that the actual speed falls within. The actual required speed (in RPM) shall not be defined in the model code but said speed will need to be supplied to the factory to allow the proper speed to be set during manufacture.

Example 1

- -010 size
- S4-50% modulating duty, 1,200st/hr
- 90Nm actuator torque
- Three-phase AC supply
- 43RPM actuator speed

Model code: XTE-010(R)/90-43

XTE-	010	(R)/	90 -	43
	Actuator Size	Power Supply or Duty	Actuator Torque	Actuator Speed

Example 2

- -030 size
- S2-15' ON / OFF duty
- 360Nm actuator torque
- Three-phase AC supply
- 173RPM actuator speed

Model code: XTE-030/360/173

XTE-	030	[BLANK]/	360 -	173
	Actuator Size	Power Supply or Duty	Actuator Torque	Actuator Speed

Example 3

- -010 size
- S2-25% modulating duty, 1,200st/hr
- 90Nm actuator torque
- Single-phase AC supply
- 30RPM actuator speed (falls into SR2 speed range; SR2 = 24-40RPM)

Model code: XTE-010R/90/SR2

XTE-	010	(R)/	90 -	SR2
	Actuator Size	Power Supply or Duty	Actuator Torque	Actuator Speed

Technical Data

Power Supply Three-Phase AC

Open-Close Duty

Short-Time Duty (S2-15') | Inching Duty (S4-25% | 60 St/h)

Type	Torque Range ⁽⁴⁾			Actuator Operating Speed [RPM]/Motor Type							
	Nm (lb.ft)										
	min	nom.	max	12	18	24	36	48	72	144	50
				14	22	29	43	58	86	173	60
XTE 010	12 (9)	30 (22)	45 (33)	SM00	SM01	SM10	SM11	SM04	SM05	SM06	
XTE 010	36 (27)	90 (66)	135 (100)	SM10	SM11	SM12	SM13	SM14	SM15	SM16	
XTE 020	72 (53)	180 (133)	270 (199)		SM13	SM14	SM15	SM21	SM22	SM23	
XTE 030	144 (106)	360 (266)	540 (398)	SM21	SM32	SM21		SM30	SM23	SM31	
XTE 040	288 (212)	720 (531)	1080 (797)	SM30	SM44	SM30	SM40	SM41	SM31	SM42	
XTE 050	576 (425)	1440 (1062)	2160 (1593)	SM41	SM40	SM41	SM43	SM50	SM42	SM51	

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from 40% (minimum) to 100% (nominal) values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. SMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Short-time Duty (S2-30')

Type	Torque Range ⁽⁴⁾			Actuator Operating Speed [RPM]/Motor Type							
	Nm (lb.ft)										
	min	nom.	max	12	18	24	36	48	72	144	50
				14	22	29	43	58	86	173	60
XTE 010	12 (9)	30 (22)	45 (33)	TM00	TM01	TM10	TM11	TM04	TM05	TM06	
XTE 010	36 (27)	90 (66)	135 (100)	TM10	TM11	TM12	TM13	TM14	TM15	TM16	
XTE 020	72 (53)	180 (133)	270 (199)		TM13	TM14	TM15	TM21	TM22	TM23	
XTE 030	144 (106)	360 (266)	540 (398)			TM21		TM30	TM23	TM31	
XTE 040	288 (212)	720 (531)	1080 (797)			TM30	TM40		TM31		
XTE 050	576 (425)	1440 (1062)	2160 (1593)								

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from 40% (minimum) to 100% (nominal) values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Technical Data

Power Supply Three-Phase AC

Modulating Duty

Intermittent Periodic Duty (S4-25% - 600St/h)

Type	Torque Range ⁽⁴⁾			Actuator Operating Speed [RPM]/Motor Type							
	Nm (lb.ft)										
	min	nom.	max	12	18	24	36	48	72	144	50
				14	22	29	43	58	86	173	60
XTE 010	12 (9)	30 (22)	45 (33)	TM00	TM01	TM10	TM11	TM04	TM05	TM06	
XTE 010	36 (27)	90 (66)	135 (100)	TM10	TM11	TM12	TM13	TM14	TM15	TM16	
XTE 020	72 (53)	180 (133)	270 (199)		TM13	TM14	TM15	TM21	TM22	TM23	
XTE 030	144 (106)	360 (266)	540 (398)			TM21		TM30	TM23	TM31	
XTE 040	288 (212)	720 (531)	1080 (797)			TM30	TM40		TM31		
XTE 050	576 (425)	1440 (1062)	2160 (1593)								

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from 40% (minimum) to 100% (nominal) values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Intermittent Periodic Duty (S4-50% - 1200St/h)

Type	Torque Range ⁽⁴⁾			Actuator Operating Speed [RPM]/Motor Type							
	Nm (lb.ft)										
	min	nom.	max	12	18	24	36	48	72	144	50
				14	22	29	43	58	86	173	60
XTE 010	12 (9)	30 (22)	45 (33)	TM00	TM01	TM10	TM11	TM04	TM05		
XTE 010	36 (27)	90 (66)	135 (100)	TM10	TM11	TM12	TM13	TM14	TM15		
XTE 020	72 (53)	180 (133)	270 (199)		TM13	TM14	TM15	TM21	TM22		
XTE 030	144 (106)	360 (266)	540 (398)			TM21		TM30			
XTE 040	288 (212)	720 (531)	1080 (797)			TM30					
XTE 050	576 (425)	1440 (1062)	2160 (1593)								

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from 40% (minimum) to 100% (nominal) values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Technical Data

Power Supply Single-Phase AC

Open-Close Duty

Short-time Duty (S2-15') | Inching Duty (S4-25% | 60 St/h)

Power Supply 220-240V/50-60Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	8	17	TM11
XTE 010	12 (9)	30 (22)	45 (33)	24	72	TM15
XTE 010	12 (9)	30 (22)	45 (33)	73	95	TM16
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
XTE 010	36 (27)	90 (66)	135 (100)	24	95	TM18
XTE 010	36 (27)	90 (66)	135 (100)	96	120	TM16
XTE 020	72 (53)	180 (133)	270 (199)	12	36	TM22
XTE 020	72 (53)	180 (133)	270 (199)	48	60	TM22
XTE 030	144 (106)	360 (266)	540 (398)	10	30	TM30

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from 40% (minimum) to 100% (nominal) values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Power Supply 110-120V/50-60Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	8	17	TM11
XTE 010	12 (9)	30 (22)	45 (33)	24	72	TM15
XTE 010	12 (9)	30 (22)	45 (33)	73	90	TM16
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
XTE 010	36 (27)	90 (66)	135 (100)	24	40	TM15
XTE 020	72 (53)	180 (133)	270 (199)	8	20	TM21

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Modulating Duty

Intermittent Periodic Duty (S4-50 - 1200St/h)

Power Supply 220-240V/50-60Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	8	17	TM11
XTE 010	12 (9)	30 (22)	45 (33)	24	72	TM15
XTE 010	12 (9)	30 (22)	45 (33)	73	95	TM16
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
XTE 010	36 (27)	90 (66)	135 (100)	24	95	TM18
XTE 010	36 (27)	90 (66)	135 (100)	96	120	TM16
XTE 020	72 (53)	180 (133)	270 (199)	12	36	TM22
XTE 020	72 (53)	180 (133)	270 (199)	48	60	TM22
XTE 030	144 (106)	360 (266)	540 (398)	10	30	TM30

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Power Supply 110-120V/50-60Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	8	17	TM11
XTE 010	12 (9)	30 (22)	45 (33)	24	72	TM15
XTE 010	12 (9)	30 (22)	45 (33)	73	90	TM16
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
XTE 010	36 (27)	90 (66)	135 (100)	24	40	TM15
XTE 020	72 (53)	180 (133)	270 (199)	8	20	TM21

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. TMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Technical Data

Power Supply Direct Current

Modulating Duty

Intermittent Periodic Duty (S4-25% - 600St/h)

Power Supply 24Vdc

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	12	30	DM05
XTE 010	12 (9)	30 (22)	45 (33)	30	60	DM05
XTE 010	36 (27)	90 (66)	135 (100)	12	30	DM05
XTE 010	36 (27)	90 (66)	135 (100)	50	68	DM05

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. DMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Power Supply 48Vdc

Type	Torque Range ⁽⁴⁾			Operating speed [RPM]/Motor type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	12	30	DM05
XTE 010	12 (9)	30 (22)	45 (33)	30	60	DM05
XTE 010	36 (27)	90 (66)	135 (100)	12	30	DM05
XTE 010	36 (27)	90 (66)	135 (100)	50	68	DM05

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. DMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Power Supply 110Vdc

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	12	30	DM05
XTE 010	12 (9)	30 (22)	45 (33)	30	60	DM05
XTE 010	36 (27)	90 (66)	135 (100)	12	30	DM05
XTE 010	36 (27)	90 (66)	135 (100)	50	68	DM05

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. DMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Power Supply 120Vdc

Type	Torque Range ⁽⁴⁾			Operating speed [RPM]/Motor type		
	Nm (lb.ft)					
	min	nom.	max	from	to	
XTE 010	12 (9)	30 (22)	45 (33)	12	30	DM05
XTE 010	12 (9)	30 (22)	45 (33)	30	80	DM05
XTE 010	36 (27)	90 (66)	135 (100)	20	40	DM05
XTE 010	36 (27)	90 (66)	135 (100)	55	70	DM05
XTE 020	72 (53)	180 (133)	270 (199)	35	37	DM05

1. Handwheel diameter Refer to the Overall Actuator Dimensions section of this document.
2. Valve connection Refer to the Output Drive Dimensions section of this document.
3. Weight Refer to the Overall Actuator Dimensions section of this document.
4. Output torque Adjustable in OPEN and in CLOSED direction from min. to nom. values.
5. Electric data actuator Refer to the Electric Data section of this document with reference to the Power supply and Motor type.
6. DMxx Code of the electric motor applied to the actuator model.
See the relevant table for Electric performance.

Electric Data

Three-Phase AC

Short-Time Duty (S2-15') or Positioning/Inching Duty (S4-25%, 60st/hr)

3-PH, 380VAC (50Hz) Power Supply

XTE3000 Model Code	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010/30-12	SM00	0.030	0.040	488	0.40	0.49	0.62	24.8	0.46	121
XTE-010/30-18	SM01	0.046	0.062	732	0.42	0.56	0.81	39.8	0.42	116
XTE-010/30-24	SM10	0.071	0.095	488	1.33	1.74	2.47	18.9	0.43	376
XTE-010/30-36	SM11	0.106	0.142	732	1.33	1.64	2.85	28.2	0.43	376
XTE-010/30-48	SM04	0.142	0.190	975	1.24	2.46	2.85	37.2	0.47	382
XTE-010/30-72	SM05	0.213	0.286	1463	1.14	2.67	4.47	50.7	0.56	420
XTE-010/30-144	SM06	0.426	0.571	2926	1.62	2.56	6.18	56.4	0.71	755
XTE-010/90-12	SM10	0.071	0.095	488	1.33	1.74	2.47	18.9	0.43	376
XTE-010/90-18	SM11	0.106	0.142	732	1.33	1.64	2.85	28.2	0.43	376
XTE-010/90-24	SM12	0.122	0.164	488	1.81	2.15	2.85	22.3	0.46	546
XTE-010/90-36	SM13	0.184	0.247	732	1.90	2.67	3.61	35.9	0.41	513
XTE-010/90-48	SM14	0.286	0.384	975	1.62	2.15	5.23	58.5	0.46	489
XTE-010/90-72	SM15	0.367	0.492	1463	2.00	3.08	7.60	50.8	0.55	722
XTE-010/90-144	SM16	0.735	0.986	2926	2.66	4.92	12.92	62.7	0.67	1173
XTE-020/180-12	SM12	0.122	0.164	488	1.81	2.15	2.85	22.3	0.46	546
XTE-020/180-18	SM13	0.184	0.247	732	1.90	2.67	3.61	35.9	0.41	513
XTE-020/180-24	SM14	0.286	0.384	975	1.62	2.15	5.23	58.5	0.46	489
XTE-020/180-36	SM15	0.367	0.492	1463	2.00	3.08	7.60	50.8	0.55	722
XTE-020/180-48	SM21	0.526	0.705	975	2.66	4.92	8.08	69.9	0.43	753
XTE-020/180-72	SM22	0.789	1.058	1463	2.95	6.36	11.97	66.7	0.61	1182
XTE-020/180-144	SM23	1.470	1.971	2926	4.85	8.72	24.23	68.8	0.67	2137
XTE-030/360-12	SM21	0.526	0.705	975	2.66	4.92	8.08	69.9	0.43	753
XTE-030/360-18	SM32	0.500	0.671	730	2.95	4.21	8.65	66.9	0.39	747
XTE-030/360-24	SM21	0.526	0.705	975	2.66	4.92	8.08	69.9	0.43	753
XTE-030/360-36	SM22	0.789	1.058	1463	2.95	6.36	11.97	66.7	0.61	1182
XTE-030/360-48	SM30	1.123	1.506	975	5.70	10.57	18.62	69.6	0.43	1613
XTE-030/360-72	SM23	1.470	1.971	2926	4.85	8.72	24.23	68.8	0.67	2137
XTE-030/360-144	SM31	3.368	4.517	2926	8.08	18.37	51.87	93.2	0.68	3614
XTE-040/720-12	SM30	1.123	1.506	975	5.70	10.57	18.62	69.6	0.43	1613
XTE-040/720-18	SM44	0.840	1.126	730	4.09	7.59	12.35	80.2	0.39	1047
XTE-040/720-24	SM30	1.123	1.506	975	5.70	10.57	18.62	69.6	0.43	1613
XTE-040/720-36	SM40	1.684	2.258	1463	5.70	12.52	29.07	67.0	0.67	2514
XTE-040/720-48	SM41	1.939	2.600	975	6.94	15.59	25.65	86.7	0.49	2237
XTE-040/720-72	SM31	3.368	4.517	2926	8.08	18.37	51.87	93.2	0.68	3614
XTE-040/720-144	SM42	5.818	7.802	2926	14.54	32.52	80.75	83.3	0.73	6984
XTE-050/1440-12	SM41	1.939	2.600	975	6.94	15.59	25.65	86.7	0.49	2237
XTE-050/1440-18	SM40	1.684	2.258	1463	5.70	12.52	29.07	67.0	0.67	2514
XTE-050/1440-24	SM41	1.939	2.600	975	6.94	15.59	25.65	86.7	0.49	2237
XTE-050/1440-36	SM43	2.885	3.869	1449	8.46	18.37	42.28	92.6	0.56	3116
XTE-050/1440-48	SM50	3.879	5.202	975	10.36	20.83	65.08	93.3	0.61	4157
XTE-050/1440-72	SM42	5.818	7.802	2926	14.54	32.52	80.75	83.3	0.73	6984
XTE-050/1440-144	SM51	11.636	15.604	2926	25.56	61.66	185.73	97.4	0.71	11942

Notes:

1. Three-Phase Supply 380VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -55°C to 85°C (-67°F to 185°F)

3-PH, 400VAC (50Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A) (5)}	Is ^{(A) (6)}	Icc ^{(A) (7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010/30-12	SM00	0.030	0.040	488	0.42	0.48	0.65	22.4	0.46	134
XTE-010/30-18	SM01	0.046	0.062	732	0.44	0.55	0.85	35.9	0.42	128
XTE-010/30-24	SM10	0.071	0.095	488	1.40	1.70	2.60	17.0	0.43	417
XTE-010/30-36	SM11	0.106	0.142	732	1.40	1.60	3.00	25.4	0.43	417
XTE-010/30-48	SM04	0.142	0.190	975	1.30	2.40	3.00	33.5	0.47	423
XTE-010/30-72	SM05	0.213	0.286	1463	1.20	2.60	4.70	45.7	0.56	466
XTE-010/30-144	SM06	0.426	0.571	2926	1.70	2.50	6.50	50.9	0.71	836
XTE-010/90-12	SM10	0.071	0.095	488	1.40	1.70	2.60	17.0	0.43	417
XTE-010/90-18	SM11	0.106	0.142	732	1.40	1.60	3.00	25.4	0.43	417
XTE-010/90-24	SM12	0.122	0.164	488	1.90	2.10	3.00	20.1	0.46	606
XTE-010/90-36	SM13	0.184	0.247	732	2.00	2.60	3.80	32.4	0.41	568
XTE-010/90-48	SM14	0.286	0.384	975	1.70	2.10	5.50	52.8	0.46	542
XTE-010/90-72	SM15	0.367	0.492	1463	2.10	3.00	8.00	45.9	0.55	800
XTE-010/90-144	SM16	0.735	0.986	2926	2.80	4.80	13.60	56.6	0.67	1300
XTE-020/180-12	SM12	0.122	0.164	488	1.90	2.10	3.00	20.1	0.46	606
XTE-020/180-18	SM13	0.184	0.247	732	2.00	2.60	3.80	32.4	0.41	568
XTE-020/180-24	SM14	0.286	0.384	975	1.70	2.10	5.50	52.8	0.46	542
XTE-020/180-36	SM15	0.367	0.492	1463	2.10	3.00	8.00	45.9	0.55	800
XTE-020/180-48	SM21	0.526	0.705	975	2.80	4.80	8.50	63.1	0.43	834
XTE-020/180-72	SM22	0.789	1.058	1463	3.10	6.20	12.60	60.2	0.61	1310
XTE-020/180-144	SM23	1.470	1.971	2926	5.10	8.50	25.50	62.1	0.67	2367
XTE-030/360-12	SM21	0.526	0.705	975	2.80	4.80	8.50	63.1	0.43	834
XTE-030/360-18	SM32	0.500	0.671	730	3.10	4.10	9.10	60.4	0.39	828
XTE-030/360-24	SM21	0.526	0.705	975	2.80	4.80	8.50	63.1	0.43	834
XTE-030/360-36	SM22	0.789	1.058	1463	3.10	6.20	12.60	60.2	0.61	1310
XTE-030/360-48	SM30	1.123	1.506	975	6.00	10.30	19.60	62.8	0.43	1787
XTE-030/360-72	SM23	1.470	1.971	2926	5.10	8.50	25.50	62.1	0.67	2367
XTE-030/360-144	SM31	3.368	4.517	2926	8.50	17.90	54.60	84.1	0.68	4005
XTE-040/720-12	SM30	1.123	1.506	975	6.00	10.30	19.60	62.8	0.43	1787
XTE-040/720-18	SM44	0.840	1.126	730	4.30	7.40	13.00	72.4	0.39	1160
XTE-040/720-24	SM30	1.123	1.506	975	6.00	10.30	19.60	62.8	0.43	1787
XTE-040/720-36	SM40	1.684	2.258	1463	6.00	12.20	30.60	60.5	0.67	2785
XTE-040/720-48	SM41	1.939	2.600	975	7.30	15.20	27.00	78.2	0.49	2478
XTE-040/720-72	SM31	3.368	4.517	2926	8.50	17.90	54.60	84.1	0.68	4005
XTE-040/720-144	SM42	5.818	7.802	2926	15.30	31.70	85.00	75.2	0.73	7738
XTE-050/1440-12	SM41	1.939	2.600	975	7.30	15.20	27.00	78.2	0.49	2478
XTE-050/1440-18	SM40	1.684	2.258	1463	6.00	12.20	30.60	60.5	0.67	2785
XTE-050/1440-24	SM41	1.939	2.600	975	7.30	15.20	27.00	78.2	0.49	2478
XTE-050/1440-36	SM43	2.885	3.869	1449	8.90	17.90	44.50	83.6	0.56	3453
XTE-050/1440-48	SM50	3.879	5.202	975	10.90	20.30	68.50	84.2	0.61	4607
XTE-050/1440-72	SM42	5.818	7.802	2926	15.30	31.70	85.00	75.2	0.73	7738
XTE-050/1440-144	SM51	11.636	15.604	2926	26.90	60.10	195.50	87.9	0.71	13232

Notes:

1. Three-Phase Supply 400VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -55°C to 85°C (-67°F to 185°F)

3-PH, 415VAC (50Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A) (5)}	Is ^{(A) (6)}	Icc ^{(A) (7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010/30-12	SM00	0.030	0.040	488	0.44	0.47	0.67	20.8	0.46	144
XTE-010/30-18	SM01	0.046	0.062	732	0.46	0.54	0.88	33.4	0.42	138
XTE-010/30-24	SM10	0.071	0.095	488	1.45	1.67	2.70	15.8	0.43	449
XTE-010/30-36	SM11	0.106	0.142	732	1.45	1.57	3.11	23.6	0.43	449
XTE-010/30-48	SM04	0.142	0.190	975	1.35	2.36	3.11	31.2	0.47	456
XTE-010/30-72	SM05	0.213	0.286	1463	1.25	2.55	4.88	42.5	0.56	501
XTE-010/30-144	SM06	0.426	0.571	2926	1.76	2.45	6.74	47.3	0.71	900
XTE-010/90-12	SM10	0.071	0.095	488	1.45	1.67	2.70	15.8	0.43	449
XTE-010/90-18	SM11	0.106	0.142	732	1.45	1.57	3.11	23.6	0.43	449
XTE-010/90-24	SM12	0.122	0.164	488	1.97	2.06	3.11	18.7	0.46	652
XTE-010/90-36	SM13	0.184	0.247	732	2.08	2.55	3.94	30.1	0.41	612
XTE-010/90-48	SM14	0.286	0.384	975	1.76	2.06	5.71	49.0	0.46	583
XTE-010/90-72	SM15	0.367	0.492	1463	2.18	2.95	8.30	42.6	0.55	861
XTE-010/90-144	SM16	0.735	0.986	2926	2.91	4.71	14.11	52.5	0.67	1399
XTE-020/180-12	SM12	0.122	0.164	488	1.97	2.06	3.11	18.7	0.46	652
XTE-020/180-18	SM13	0.184	0.247	732	2.08	2.55	3.94	30.1	0.41	612
XTE-020/180-24	SM14	0.286	0.384	975	1.76	2.06	5.71	49.0	0.46	583
XTE-020/180-36	SM15	0.367	0.492	1463	2.18	2.95	8.30	42.6	0.55	861
XTE-020/180-48	SM21	0.526	0.705	975	2.91	4.71	8.82	58.6	0.43	898
XTE-020/180-72	SM22	0.789	1.058	1463	3.22	6.09	13.07	55.9	0.61	1410
XTE-020/180-144	SM23	1.470	1.971	2926	5.29	8.34	26.46	57.7	0.67	2548
XTE-030/360-12	SM21	0.526	0.705	975	2.91	4.71	8.82	58.6	0.43	898
XTE-030/360-18	SM32	0.500	0.671	730	3.22	4.03	9.44	56.1	0.39	891
XTE-030/360-24	SM21	0.526	0.705	975	2.91	4.71	8.82	58.6	0.43	898
XTE-030/360-36	SM22	0.789	1.058	1463	3.22	6.09	13.07	55.9	0.61	1410
XTE-030/360-48	SM30	1.123	1.506	975	6.23	10.11	20.34	58.4	0.43	1924
XTE-030/360-72	SM23	1.470	1.971	2926	5.29	8.34	26.46	57.7	0.67	2548
XTE-030/360-144	SM31	3.368	4.517	2926	8.82	17.57	56.65	78.1	0.68	4310
XTE-040/720-12	SM30	1.123	1.506	975	6.23	10.11	20.34	58.4	0.43	1924
XTE-040/720-18	SM44	0.840	1.126	730	4.46	7.27	13.49	67.3	0.39	1249
XTE-040/720-24	SM30	1.123	1.506	975	6.23	10.11	20.34	58.4	0.43	1924
XTE-040/720-36	SM40	1.684	2.258	1463	6.23	11.98	31.75	56.2	0.67	2998
XTE-040/720-48	SM41	1.939	2.600	975	7.57	14.92	28.01	72.7	0.49	2668
XTE-040/720-72	SM31	3.368	4.517	2926	8.82	17.57	56.65	78.1	0.68	4310
XTE-040/720-144	SM42	5.818	7.802	2926	15.87	31.12	88.19	69.8	0.73	8329
XTE-050/1440-12	SM41	1.939	2.600	975	7.57	14.92	28.01	72.7	0.49	2668
XTE-050/1440-18	SM40	1.684	2.258	1463	6.23	11.98	31.75	56.2	0.67	2998
XTE-050/1440-24	SM41	1.939	2.600	975	7.57	14.92	28.01	72.7	0.49	2668
XTE-050/1440-36	SM43	2.885	3.869	1449	9.23	17.57	46.17	77.6	0.56	3717
XTE-050/1440-48	SM50	3.879	5.202	975	11.31	19.93	71.07	78.2	0.61	4959
XTE-050/1440-72	SM42	5.818	7.802	2926	15.87	31.12	88.19	69.8	0.73	8329
XTE-050/1440-144	SM51	11.636	15.604	2926	27.91	59.00	202.83	81.7	0.71	14243

Notes:

1. Three-Phase Supply 415VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -55°C to 85°C (-67°F to 185°F)

3-PH, 440VAC (60Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A) (5)}	Is ^{(A) (6)}	Icc ^{(A) (7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010/30-14	SM00	0.036	0.048	586	0.38	0.49	0.64	27.2	0.46	132
XTE-010/30-22	SM01	0.055	0.074	878	0.40	0.56	0.84	43.5	0.42	127
XTE-010/30-29	SM10	0.085	0.114	585	1.26	1.74	2.57	23.3	0.38	364
XTE-010/30-43	SM11	0.128	0.172	878	1.26	1.64	2.97	34.2	0.39	374
XTE-010/30-58	SM04	0.170	0.228	1170	1.17	2.46	2.97	40.6	0.47	418
XTE-010/30-86	SM05	0.255	0.342	1756	1.08	2.66	4.65	55.4	0.56	460
XTE-010/30-173	SM06	0.511	0.685	3511	1.53	2.56	6.44	61.8	0.71	826
XTE-010/90-14	SM10	0.085	0.114	585	1.26	1.74	2.57	23.3	0.38	364
XTE-010/90-22	SM11	0.128	0.172	878	1.26	1.64	2.97	34.2	0.39	374
XTE-010/90-29	SM12	0.147	0.197	585	1.71	2.15	2.97	26.9	0.42	546
XTE-010/90-43	SM13	0.220	0.295	878	1.80	2.66	3.76	39.2	0.41	561
XTE-010/90-58	SM14	0.343	0.460	1170	1.53	2.15	5.45	68.5	0.43	500
XTE-010/90-86	SM15	0.441	0.591	1756	1.89	3.07	7.92	61.3	0.50	719
XTE-010/90-173	SM16	0.882	1.183	3511	2.52	4.91	13.46	78.0	0.59	1131
XTE-020/180-14	SM12	0.147	0.197	585	1.71	2.15	2.97	26.9	0.42	546
XTE-020/180-22	SM13	0.220	0.295	878	1.80	2.66	3.76	39.2	0.41	561
XTE-020/180-29	SM14	0.343	0.460	1170	1.53	2.15	5.45	68.5	0.43	500
XTE-020/180-43	SM15	0.441	0.591	1756	1.89	3.07	7.92	61.3	0.50	719
XTE-020/180-58	SM21	0.631	0.846	1170	2.52	4.91	8.42	80.3	0.41	786
XTE-020/180-86	SM22	0.946	1.269	1756	2.78	6.35	12.47	75.5	0.59	1252
XTE-020/180-173	SM23	1.764	2.366	3511	4.58	8.70	25.25	73.2	0.69	2409
XTE-030/360-14	SM21	0.631	0.846	1170	2.52	4.91	8.42	80.3	0.41	786
XTE-030/360-22	SM32	0.600	0.805	876	2.78	4.20	9.01	70.7	0.40	849
XTE-030/360-29	SM21	0.631	0.846	1170	2.52	4.91	8.42	80.3	0.41	786
XTE-030/360-43	SM22	0.946	1.269	1756	2.78	6.35	12.47	75.5	0.59	1252
XTE-030/360-58	SM30	1.347	1.806	1170	5.39	10.54	19.40	76.3	0.43	1766
XTE-030/360-86	SM23	1.764	2.366	3511	4.58	8.70	25.25	73.2	0.69	2409
XTE-030/360-173	SM31	4.042	5.420	3511	7.64	18.32	54.05	103.7	0.67	3899
XTE-040/720-14	SM30	1.347	1.806	1170	5.39	10.54	19.40	76.3	0.43	1766
XTE-040/720-22	SM44	1.008	1.352	876	3.86	7.57	12.87	81.5	0.42	1236
XTE-040/720-29	SM30	1.347	1.806	1170	5.39	10.54	19.40	76.3	0.43	1766
XTE-040/720-43	SM40	2.021	2.710	1756	5.39	12.49	30.29	73.4	0.67	2752
XTE-040/720-58	SM41	2.327	3.121	1170	6.56	15.56	26.73	99.1	0.47	2349
XTE-040/720-86	SM31	4.042	5.420	3511	7.64	18.32	54.05	103.7	0.67	3899
XTE-040/720-173	SM42	6.982	9.363	3511	13.74	32.45	84.15	98.0	0.68	7123
XTE-050/1440-14	SM41	2.327	3.121	1170	6.56	15.56	26.73	99.1	0.47	2349
XTE-050/1440-22	SM40	2.021	2.710	1756	5.39	12.49	30.29	73.4	0.67	2752
XTE-050/1440-29	SM41	2.327	3.121	1170	6.56	15.56	26.73	99.1	0.47	2349
XTE-050/1440-43	SM43	3.462	4.643	1740	8.00	18.32	44.06	98.0	0.58	3534
XTE-050/1440-58	SM50	4.655	6.242	1170	9.79	20.78	67.82	113.4	0.55	4104
XTE-050/1440-86	SM42	6.982	9.363	3511	13.74	32.45	84.15	98.0	0.68	7123
XTE-050/1440-173	SM51	13.964	18.726	3511	24.17	61.52	193.55	113.2	0.67	12339

Notes:

1. Three-Phase Supply 440VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -55°C to 85°C (-67°F to 185°F)

3-PH, 460VAC (60Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A) (5)}	Is ^{(A) (6)}	Icc ^{(A) (7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010/30-14	SM00	0.036	0.048	586	0.39	0.48	0.67	24.9	0.46	145
XTE-010/30-22	SM01	0.055	0.074	878	0.41	0.55	0.88	39.8	0.42	138
XTE-010/30-29	SM10	0.085	0.114	585	1.31	1.70	2.69	21.4	0.38	398
XTE-010/30-43	SM11	0.128	0.172	878	1.31	1.60	3.11	31.3	0.39	409
XTE-010/30-58	SM04	0.170	0.228	1170	1.22	2.40	3.11	37.2	0.47	457
XTE-010/30-86	SM05	0.255	0.342	1756	1.13	2.60	4.86	50.7	0.56	503
XTE-010/30-173	SM06	0.511	0.685	3511	1.60	2.50	6.73	56.6	0.71	903
XTE-010/90-14	SM10	0.085	0.114	585	1.31	1.70	2.69	21.4	0.38	398
XTE-010/90-22	SM11	0.128	0.172	878	1.31	1.60	3.11	31.3	0.39	409
XTE-010/90-29	SM12	0.147	0.197	585	1.78	2.10	3.11	24.6	0.42	597
XTE-010/90-43	SM13	0.220	0.295	878	1.88	2.60	3.93	35.9	0.41	614
XTE-010/90-58	SM14	0.343	0.460	1170	1.60	2.10	5.69	62.7	0.43	547
XTE-010/90-86	SM15	0.441	0.591	1756	1.97	3.00	8.28	56.1	0.50	786
XTE-010/90-173	SM16	0.882	1.183	3511	2.63	4.81	14.08	71.4	0.59	1236
XTE-020/180-14	SM12	0.147	0.197	585	1.78	2.10	3.11	24.6	0.42	597
XTE-020/180-22	SM13	0.220	0.295	878	1.88	2.60	3.93	35.9	0.41	614
XTE-020/180-29	SM14	0.343	0.460	1170	1.60	2.10	5.69	62.7	0.43	547
XTE-020/180-43	SM15	0.441	0.591	1756	1.97	3.00	8.28	56.1	0.50	786
XTE-020/180-58	SM21	0.631	0.846	1170	2.63	4.81	8.80	73.5	0.41	859
XTE-020/180-86	SM22	0.946	1.269	1756	2.91	6.21	13.04	69.1	0.59	1369
XTE-020/180-173	SM23	1.764	2.366	3511	4.79	8.51	26.39	67.0	0.69	2633
XTE-030/360-14	SM21	0.631	0.846	1170	2.63	4.81	8.80	73.5	0.41	859
XTE-030/360-22	SM32	0.600	0.805	875	2.91	4.10	9.42	71.9	0.36	834
XTE-030/360-29	SM21	0.631	0.846	1170	2.63	4.81	8.80	73.5	0.41	859
XTE-030/360-43	SM22	0.946	1.269	1756	2.91	6.21	13.04	69.1	0.59	1369
XTE-030/360-58	SM30	1.347	1.806	1170	5.64	10.31	20.29	69.8	0.43	1931
XTE-030/360-86	SM23	1.764	2.366	3511	4.79	8.51	26.39	67.0	0.69	2633
XTE-030/360-173	SM31	4.042	5.420	3511	7.98	17.92	56.51	94.9	0.67	4261
XTE-040/720-14	SM30	1.347	1.806	1170	5.64	10.31	20.29	69.8	0.43	1931
XTE-040/720-22	SM44	1.008	1.352	875	4.04	7.41	13.46	82.9	0.38	1216
XTE-040/720-29	SM30	1.347	1.806	1170	5.64	10.31	20.29	69.8	0.43	1931
XTE-040/720-43	SM40	2.021	2.710	1756	5.64	12.21	31.67	67.2	0.67	3008
XTE-040/720-58	SM41	2.327	3.121	1170	6.86	15.22	27.95	90.6	0.47	2567
XTE-040/720-86	SM31	4.042	5.420	3511	7.98	17.92	56.51	94.9	0.67	4261
XTE-040/720-173	SM42	6.982	9.363	3511	14.37	31.73	87.98	89.7	0.68	7785
XTE-050/1440-14	SM41	2.327	3.121	1170	6.86	15.22	27.95	90.6	0.47	2567
XTE-050/1440-22	SM40	2.021	2.710	1756	5.64	12.21	31.67	67.2	0.67	3008
XTE-050/1440-29	SM41	2.327	3.121	1170	6.86	15.22	27.95	90.6	0.47	2567
XTE-050/1440-43	SM43	3.462	4.643	1739	8.36	17.92	46.06	92.8	0.56	3729
XTE-050/1440-58	SM50	4.655	6.242	1170	10.24	20.32	70.90	103.8	0.55	4486
XTE-050/1440-86	SM42	6.982	9.363	3511	14.37	31.73	87.98	89.7	0.68	7785
XTE-050/1440-173	SM51	13.964	18.726	3511	25.26	60.16	202.34	103.5	0.67	13486

Notes:

1. Three-Phase Supply 460VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -55°C to 85°C (-67°F to 185°F)

3-PH, 480VAC (60Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A) (5)}	Is ^{(A) (6)}	Icc ^{(A) (7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010/30-14	SM00	0.036	0.048	586	0.41	0.47	0.70	22.9	0.46	157
XTE-010/30-22	SM01	0.055	0.074	878	0.43	0.54	0.92	36.5	0.42	151
XTE-010/30-29	SM10	0.085	0.114	585	1.37	1.67	2.81	19.6	0.38	433
XTE-010/30-43	SM11	0.128	0.172	878	1.37	1.57	3.24	28.8	0.39	445
XTE-010/30-58	SM04	0.170	0.228	1170	1.27	2.35	3.24	34.1	0.47	498
XTE-010/30-86	SM05	0.255	0.342	1756	1.18	2.55	5.08	46.6	0.56	548
XTE-010/30-173	SM06	0.511	0.685	3511	1.67	2.45	7.02	52.0	0.71	983
XTE-010/90-14	SM10	0.085	0.114	585	1.37	1.67	2.81	19.6	0.38	433
XTE-010/90-22	SM11	0.128	0.172	878	1.37	1.57	3.24	28.8	0.39	445
XTE-010/90-29	SM12	0.147	0.197	585	1.86	2.06	3.24	22.6	0.42	650
XTE-010/90-43	SM13	0.220	0.295	878	1.96	2.55	4.10	32.9	0.41	668
XTE-010/90-58	SM14	0.343	0.460	1170	1.67	2.06	5.94	57.6	0.43	596
XTE-010/90-86	SM15	0.441	0.591	1756	2.06	2.94	8.64	51.5	0.50	855
XTE-010/90-173	SM16	0.882	1.183	3511	2.74	4.70	14.69	65.5	0.59	1346
XTE-020/180-14	SM12	0.147	0.197	585	1.86	2.06	3.24	22.6	0.42	650
XTE-020/180-22	SM13	0.220	0.295	878	1.96	2.55	4.10	32.9	0.41	668
XTE-020/180-29	SM14	0.343	0.460	1170	1.67	2.06	5.94	57.6	0.43	596
XTE-020/180-43	SM15	0.441	0.591	1756	2.06	2.94	8.64	51.5	0.50	855
XTE-020/180-58	SM21	0.631	0.846	1170	2.74	4.70	9.18	67.5	0.41	935
XTE-020/180-86	SM22	0.946	1.269	1756	3.04	6.08	13.61	63.5	0.59	1490
XTE-020/180-173	SM23	1.764	2.366	3511	5.00	8.33	27.54	61.5	0.69	2867
XTE-030/360-14	SM21	0.631	0.846	1170	2.74	4.70	9.18	67.5	0.41	935
XTE-030/360-22	SM32	0.600	0.805	876	3.04	4.02	9.83	59.4	0.40	1010
XTE-030/360-29	SM21	0.631	0.846	1170	2.74	4.70	9.18	67.5	0.41	935
XTE-030/360-43	SM22	0.946	1.269	1756	3.04	6.08	13.61	63.5	0.59	1490
XTE-030/360-58	SM30	1.347	1.806	1170	5.88	10.09	21.17	64.1	0.43	2102
XTE-030/360-86	SM23	1.764	2.366	3511	5.00	8.33	27.54	61.5	0.69	2867
XTE-030/360-173	SM31	4.042	5.420	3511	8.33	17.54	58.97	87.1	0.67	4640
XTE-040/720-14	SM30	1.347	1.806	1170	5.88	10.09	21.17	64.1	0.43	2102
XTE-040/720-22	SM44	1.008	1.352	876	4.21	7.25	14.04	68.5	0.42	1471
XTE-040/720-29	SM30	1.347	1.806	1170	5.88	10.09	21.17	64.1	0.43	2102
XTE-040/720-43	SM40	2.021	2.710	1756	5.88	11.96	33.05	61.7	0.67	3275
XTE-040/720-58	SM41	2.327	3.121	1170	7.15	14.90	29.16	83.2	0.47	2795
XTE-040/720-86	SM31	4.042	5.420	3511	8.33	17.54	58.97	87.1	0.67	4640
XTE-040/720-173	SM42	6.982	9.363	3511	14.99	31.07	91.80	82.4	0.68	8477
XTE-050/1440-14	SM41	2.327	3.121	1170	7.15	14.90	29.16	83.2	0.47	2795
XTE-050/1440-22	SM40	2.021	2.710	1756	5.88	11.96	33.05	61.7	0.67	3275
XTE-050/1440-29	SM41	2.327	3.121	1170	7.15	14.90	29.16	83.2	0.47	2795
XTE-050/1440-43	SM43	3.462	4.643	1740	8.72	17.54	48.06	82.3	0.58	4206
XTE-050/1440-58	SM50	4.655	6.242	1170	10.68	19.89	73.98	95.3	0.55	4884
XTE-050/1440-86	SM42	6.982	9.363	3511	14.99	31.07	91.80	82.4	0.68	8477
XTE-050/1440-173	SM51	13.964	18.726	3511	26.36	58.90	211.14	95.1	0.67	14684

Notes:

1. Three-Phase Supply 480VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -55°C to 85°C (-67°F to 185°F)

- Contact factory for the following power supply options:
 - 3PH-220VAC 50Hz
 - 3PH-230VAC 50Hz
 - 3PH-240VAC 50Hz
 - 3PH-440VAC 50Hz
 - 3PH-500VAC 50Hz
 - 3PH-660VAC 50Hz
 - 3PH-690VAC 50Hz
 - 3PH-208VAC 60Hz
 - 3PH-220VAC 60Hz
 - 3PH-280VAC 60Hz
 - 3PH-380VAC 60Hz
 - 3PH-400VAC 60Hz
 - 3PH-415VAC 60Hz
 - 3PH-575VAC 60Hz

Three-Phase AC

Intermittent Periodic Duty: [S4-25%, 600st/hr] to [S4-50%, 1,200st/hr] (Modulating)

3-PH, 380VAC (50Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010(R)/30-12	TM00	0.030	0.040	488	0.40	0.49	0.62	24.8	0.46	121
XTE-010(R)/30-18	TM01	0.046	0.062	732	0.42	0.56	0.81	39.8	0.42	116
XTE-010(R)/30-24	TM10	0.071	0.095	488	1.33	1.74	2.47	18.9	0.43	376
XTE-010(R)/30-36	TM11	0.106	0.142	732	1.33	1.64	2.85	28.2	0.43	376
XTE-010(R)/30-48	TM04	0.142	0.190	975	1.24	2.46	2.85	37.2	0.47	382
XTE-010(R)/30-72	TM05	0.213	0.286	1463	1.14	2.67	4.47	50.7	0.56	420
XTE-010/30-144	TM06	0.426	0.571	2926	1.62	2.56	6.18	56.4	0.71	755
XTE-010(R)/90-12	TM10	0.071	0.095	488	1.33	1.74	2.47	18.9	0.43	376
XTE-010(R)/90-18	TM11	0.106	0.142	732	1.33	1.64	2.85	28.2	0.43	376
XTE-010(R)/90-24	TM12	0.122	0.164	488	1.81	2.15	2.85	22.3	0.46	546
XTE-010(R)/90-36	TM13	0.184	0.247	732	1.90	2.67	3.61	35.9	0.41	513
XTE-010(R)/90-48	TM14	0.286	0.384	975	1.62	2.15	5.23	58.5	0.46	489
XTE-010(R)/90-72	TM15	0.367	0.492	1463	2.00	3.08	7.60	50.8	0.55	722
XTE-010/90-144	TM16	0.735	0.986	2926	2.66	4.92	12.92	62.7	0.67	1173
XTE-020(R)/180-12	TM12	0.122	0.164	488	1.81	2.15	2.85	22.3	0.46	546
XTE-020(R)/180-18	TM13	0.184	0.247	732	1.90	2.67	3.61	35.9	0.41	513
XTE-020(R)/180-24	TM14	0.286	0.384	975	1.62	2.15	5.23	58.5	0.46	489
XTE-020(R)/180-36	TM15	0.367	0.492	1463	2.00	3.08	7.60	50.8	0.55	722
XTE-020(R)/180-48	TM21	0.526	0.705	975	2.66	4.92	8.08	69.9	0.43	753
XTE-020(R)/180-72	TM22	0.789	1.058	1463	2.95	6.36	11.97	66.7	0.61	1182
XTE-020/180-144	TM23	1.470	1.971	2926	4.85	8.72	24.23	68.8	0.67	2137
XTE-030(R)/360-24	TM21	0.526	0.705	975	2.66	4.92	8.08	69.9	0.43	753
XTE-030(R)/360-36	TM22	0.789	1.058	1463	2.95	6.36	11.97	66.7	0.61	1182
XTE-030(R)/360-48	TM30	1.123	1.506	975	5.70	10.57	18.62	69.6	0.43	1613
XTE-030/360-72	TM23	1.470	1.971	2926	4.85	8.72	24.23	68.8	0.67	2137
XTE-030/360-144	TM31	3.368	4.517	2926	8.08	18.37	51.87	93.2	0.68	3614
XTE-040(R)/720-24	TM30	1.123	1.506	975	5.70	10.57	18.62	69.6	0.43	1613
XTE-040/720-36	TM40	1.684	2.258	1463	5.70	12.52	29.07	67.0	0.67	2514
XTE-040/720-72	TM31	3.368	4.517	2926	8.08	18.37	51.87	93.2	0.68	3614

Notes:

1. Three-Phase Supply 380VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1). All models in this table can support S2-30' and S4-25%, 600st/hr duty
9. Models marked (R) support S4-50%, 1,200st/hr duty
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -55°C to 65°C (-67°F to 149°F)

3-PH, 400VAC (50Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010(R)/30-12	TM00	0.030	0.040	488	0.42	0.48	0.65	22.4	0.46	134
XTE-010(R)/30-18	TM01	0.046	0.062	732	0.44	0.55	0.85	35.9	0.42	128
XTE-010(R)/30-24	TM10	0.071	0.095	488	1.40	1.70	2.60	17.0	0.43	417
XTE-010(R)/30-36	TM11	0.106	0.142	732	1.40	1.60	3.00	25.4	0.43	417
XTE-010(R)/30-48	TM04	0.142	0.190	975	1.30	2.40	3.00	33.5	0.47	423
XTE-010(R)/30-72	TM05	0.213	0.286	1463	1.20	2.60	4.70	45.7	0.56	466
XTE-010/30-144	TM06	0.426	0.571	2926	1.70	2.50	6.50	50.9	0.71	836
XTE-010(R)/90-12	TM10	0.071	0.095	488	1.40	1.70	2.60	17.0	0.43	417
XTE-010(R)/90-18	TM11	0.106	0.142	732	1.40	1.60	3.00	25.4	0.43	417
XTE-010(R)/90-24	TM12	0.122	0.164	488	1.90	2.10	3.00	20.1	0.46	606
XTE-010(R)/90-36	TM13	0.184	0.247	732	2.00	2.60	3.80	32.4	0.41	568
XTE-010(R)/90-48	TM14	0.286	0.384	975	1.70	2.10	5.50	52.8	0.46	542
XTE-010(R)/90-72	TM15	0.367	0.492	1463	2.10	3.00	8.00	45.9	0.55	800
XTE-010/90-144	TM16	0.735	0.986	2926	2.80	4.80	13.60	56.6	0.67	1300
XTE-020(R)/180-12	TM12	0.122	0.164	488	1.90	2.10	3.00	20.1	0.46	606
XTE-020(R)/180-18	TM13	0.184	0.247	732	2.00	2.60	3.80	32.4	0.41	568
XTE-020(R)/180-24	TM14	0.286	0.384	975	1.70	2.10	5.50	52.8	0.46	542
XTE-020(R)/180-36	TM15	0.367	0.492	1463	2.10	3.00	8.00	45.9	0.55	800
XTE-020(R)/180-48	TM21	0.526	0.705	975	2.80	4.80	8.50	63.1	0.43	834
XTE-020(R)/180-72	TM22	0.789	1.058	1463	3.10	6.20	12.60	60.2	0.61	1310
XTE-020/180-144	TM23	1.470	1.971	2926	5.10	8.50	25.50	62.1	0.67	2367
XTE-030(R)/360-24	TM21	0.526	0.705	975	2.80	4.80	8.50	63.1	0.43	834
XTE-030(R)/360-36	TM22	0.789	1.058	1463	3.10	6.20	12.60	60.2	0.61	1310
XTE-030(R)/360-48	TM30	1.123	1.506	975	2.80	4.80	8.50	134.6	0.43	834
XTE-030/360-72	TM23	1.470	1.971	2926	5.10	8.50	25.50	62.1	0.67	2367
XTE-030/360-144	TM31	3.368	4.517	2926	8.50	17.90	54.60	84.1	0.68	4005
XTE-040(R)/720-24	TM30	1.123	1.506	975	6.00	10.30	19.60	62.8	0.43	1787
XTE-040/720-36	TM40	1.684	2.258	1463	6.00	12.20	30.60	60.5	0.67	2785
XTE-040/720-72	TM31	3.368	4.517	2926	8.50	17.90	54.60	84.1	0.68	4005

Notes:

1. Three-Phase Supply 400VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1). All models in this table can support S2-30' and S4-25%, 600st/hr duty
9. Models marked (R) support S4-50%, 1,200st/hr duty
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -55°C to 65°C (-67°F to 149°F)

3-PH, 415VAC (50Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010(R)/30-12	TM00	0.030	0.040	488	0.44	0.47	0.67	20.8	0.46	144
XTE-010(R)/30-18	TM01	0.046	0.062	732	0.46	0.54	0.88	33.4	0.42	138
XTE-010(R)/30-24	TM10	0.071	0.095	488	1.45	1.67	2.70	15.8	0.43	449
XTE-010(R)/30-36	TM11	0.106	0.142	732	1.45	1.57	3.11	23.6	0.43	449
XTE-010(R)/30-48	TM04	0.142	0.190	975	1.35	2.36	3.11	31.2	0.47	456
XTE-010(R)/30-72	TM05	0.213	0.286	1463	1.25	2.55	4.88	42.5	0.56	501
XTE-010/30-144	TM06	0.426	0.571	2926	1.76	2.45	6.74	47.3	0.71	900
XTE-010(R)/90-12	TM10	0.071	0.095	488	1.45	1.67	2.70	15.8	0.43	449
XTE-010(R)/90-18	TM11	0.106	0.142	732	1.45	1.57	3.11	23.6	0.43	449
XTE-010(R)/90-24	TM12	0.122	0.164	488	1.97	2.06	3.11	18.7	0.46	652
XTE-010(R)/90-36	TM13	0.184	0.247	732	2.08	2.55	3.94	30.1	0.41	612
XTE-010(R)/90-48	TM14	0.286	0.384	975	1.76	2.06	5.71	49.0	0.46	583
XTE-010(R)/90-72	TM15	0.367	0.492	1463	2.18	2.95	8.30	42.6	0.55	861
XTE-010/90-144	TM16	0.735	0.986	2926	2.91	4.71	14.11	52.5	0.67	1399
XTE-020(R)/180-12	TM12	0.122	0.164	488	1.97	2.06	3.11	18.7	0.46	652
XTE-020(R)/180-18	TM13	0.184	0.247	732	2.08	2.55	3.94	30.1	0.41	612
XTE-020(R)/180-24	TM14	0.286	0.384	975	1.76	2.06	5.71	49.0	0.46	583
XTE-020(R)/180-36	TM15	0.367	0.492	1463	2.18	2.95	8.30	42.6	0.55	861
XTE-020(R)/180-48	TM21	0.526	0.705	975	2.91	4.71	8.82	58.6	0.43	898
XTE-020(R)/180-72	TM22	0.789	1.058	1463	3.22	6.09	13.07	55.9	0.61	1410
XTE-020/180-144	TM23	1.470	1.971	2926	5.29	8.34	26.46	57.7	0.67	2548
XTE-030(R)/360-24	TM21	0.526	0.705	975	2.91	4.71	8.82	58.6	0.43	898
XTE-030(R)/360-36	TM22	0.789	1.058	1463	3.22	6.09	13.07	55.9	0.61	1410
XTE-030(R)/360-48	TM30	1.123	1.506	975	6.23	10.11	20.34	58.4	0.43	1924
XTE-030/360-72	TM23	1.470	1.971	2926	5.29	8.34	26.46	57.7	0.67	2548
XTE-030/360-144	TM31	3.368	4.517	2926	8.82	17.57	56.65	78.1	0.68	4310
XTE-040(R)/720-24	TM30	1.123	1.506	975	6.23	10.11	20.34	58.4	0.43	1924
XTE-040/720-36	TM40	1.684	2.258	1463	6.23	11.98	31.75	56.2	0.67	2998
XTE-040/720-72	TM31	3.368	4.517	2926	8.82	17.57	56.65	78.1	0.68	4310

Notes:

1. Three-Phase Supply 415VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1). All models in this table can support S2-30' and S4-25%, 600st/hr duty
9. Models marked (R) support S4-50%, 1,200st/hr duty
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -55°C to 65°C (-67°F to 149°F)

3-PH, 440VAC (60Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010(R)/30-14	TM00	0.036	0.048	586	0.38	0.49	0.64	24.9	0.46	145
XTE-010(R)/30-22	TM01	0.055	0.074	878	0.40	0.56	0.84	39.8	0.42	138
XTE-010(R)/30-29	TM10	0.085	0.114	585	1.26	1.74	2.57	21.4	0.38	398
XTE-010(R)/30-43	TM11	0.128	0.172	878	1.26	1.64	2.97	31.3	0.39	409
XTE-010(R)/30-58	TM04	0.170	0.228	1170	1.17	2.46	2.97	37.2	0.47	457
XTE-010(R)/30-86	TM05	0.255	0.342	1756	1.08	2.66	4.65	50.7	0.56	503
XTE-010/30-173	TM06	0.511	0.685	3511	1.53	2.56	6.44	56.6	0.71	903
XTE-010(R)/90-14	TM10	0.085	0.114	585	1.26	1.74	2.57	21.4	0.38	398
XTE-010(R)/90-22	TM11	0.128	0.172	878	1.26	1.64	2.97	31.3	0.39	409
XTE-010(R)/90-29	TM12	0.147	0.197	585	1.71	2.15	2.97	24.6	0.42	597
XTE-010(R)/90-43	TM13	0.220	0.295	878	1.80	2.66	3.76	35.9	0.41	614
XTE-010(R)/90-58	TM14	0.343	0.460	1170	1.53	2.15	5.45	62.7	0.43	547
XTE-010(R)/90-86	TM15	0.441	0.591	1756	1.89	3.07	7.92	56.1	0.50	786
XTE-010/90-173	TM16	0.882	1.183	3511	2.52	4.91	13.46	71.4	0.59	1236
XTE-020(R)/180-14	TM12	0.147	0.197	585	1.71	2.15	2.97	24.6	0.42	597
XTE-020(R)/180-22	TM13	0.220	0.295	878	1.80	2.66	3.76	35.9	0.41	614
XTE-020(R)/180-29	TM14	0.343	0.460	1170	1.53	2.15	5.45	62.7	0.43	547
XTE-020(R)/180-43	TM15	0.441	0.591	1756	1.89	3.07	7.92	56.1	0.50	786
XTE-020(R)/180-58	TM21	0.631	0.846	1170	2.52	4.91	8.42	73.5	0.41	859
XTE-020(R)/180-86	TM22	0.946	1.269	1756	2.78	6.35	12.47	69.1	0.59	1369
XTE-020/180-173	TM23	1.764	2.366	3511	4.58	8.70	25.25	67.0	0.69	2633
XTE-030(R)/360-29	TM21	0.631	0.846	1170	2.52	4.91	8.42	73.5	0.41	859
XTE-030(R)/360-43	TM22	0.946	1.269	1756	2.78	6.35	12.47	69.1	0.59	1369
XTE-030(R)/360-58	TM30	1.347	1.806	1170	5.39	10.54	19.40	69.8	0.43	1931
XTE-030/360-86	TM23	1.764	2.366	3511	4.58	8.70	25.25	67.0	0.69	2633
XTE-030/360-173	TM31	4.042	5.420	3511	7.64	18.32	54.05	94.9	0.67	4261
XTE-040(R)/720-29	TM30	1.347	1.806	1170	5.39	10.54	19.40	69.8	0.43	1931
XTE-040/720-43	TM40	2.021	2.710	1756	5.39	12.49	30.29	67.2	0.67	3008
XTE-040/720-86	TM31	4.042	5.420	3511	7.64	18.32	54.05	94.9	0.67	4261

Notes:

1. Three-Phase Supply 440VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1). All models in this table can support S2-30' and S4-25%, 600st/hr duty
9. Models marked (R) support S4-50%, 1,200st/hr duty
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -55°C to 65°C (-67°F to 149°F)

3-PH, 460VAC (60Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010(R)/30-14	TM00	0.036	0.048	586	0.39	0.48	0.67	24.9	0.46	145
XTE-010(R)/30-22	TM01	0.055	0.074	878	0.41	0.55	0.88	39.8	0.42	138
XTE-010(R)/30-29	TM10	0.085	0.114	585	1.31	1.70	2.69	21.4	0.38	398
XTE-010(R)/30-43	TM11	0.128	0.172	878	1.31	1.60	3.11	31.3	0.39	409
XTE-010(R)/30-58	TM04	0.170	0.228	1170	1.22	2.40	3.11	37.2	0.47	457
XTE-010(R)/30-86	TM05	0.255	0.342	1756	1.13	2.60	4.86	50.7	0.56	503
XTE-010/30-173	TM06	0.511	0.685	3511	1.60	2.50	6.73	56.6	0.71	903
XTE-010(R)/90-14	TM10	0.085	0.114	585	1.31	1.70	2.69	21.4	0.38	398
XTE-010(R)/90-22	TM11	0.128	0.172	878	1.31	1.60	3.11	31.3	0.39	409
XTE-010(R)/90-29	TM12	0.147	0.197	585	1.78	2.10	3.11	24.6	0.42	597
XTE-010(R)/90-43	TM13	0.220	0.295	878	1.88	2.60	3.93	35.9	0.41	614
XTE-010(R)/90-58	TM14	0.343	0.460	1170	1.60	2.10	5.69	62.7	0.43	547
XTE-010(R)/90-86	TM15	0.441	0.591	1756	1.97	3.00	8.28	56.1	0.50	786
XTE-010/90-173	TM16	0.882	1.183	3511	2.63	4.81	14.08	71.4	0.59	1236
XTE-020(R)/180-14	TM12	0.147	0.197	585	1.78	2.10	3.11	24.6	0.42	597
XTE-020(R)/180-22	TM13	0.220	0.295	878	1.88	2.60	3.93	35.9	0.41	614
XTE-020(R)/180-29	TM14	0.343	0.460	1170	1.60	2.10	5.69	62.7	0.43	547
XTE-020(R)/180-43	TM15	0.441	0.591	1756	1.97	3.00	8.28	56.1	0.50	786
XTE-020(R)/180-58	TM21	0.631	0.846	1170	2.63	4.81	8.80	73.5	0.41	859
XTE-020(R)/180-86	TM22	0.946	1.269	1756	2.91	6.21	13.04	69.1	0.59	1369
XTE-020/180-173	TM23	1.764	2.366	3511	4.79	8.51	26.39	67.0	0.69	2633
XTE-030(R)/360-29	TM21	0.631	0.846	1170	2.63	4.81	8.80	73.5	0.41	859
XTE-030(R)/360-43	TM22	0.946	1.269	1756	2.91	6.21	13.04	69.1	0.59	1369
XTE-030(R)/360-58	TM30	1.347	1.806	1170	5.64	10.31	20.29	69.8	0.43	1931
XTE-030/360-86	TM23	1.764	2.366	3511	4.79	8.51	26.39	67.0	0.69	2633
XTE-030/360-173	TM31	4.042	5.420	3511	7.98	17.92	56.51	94.9	0.67	4261
XTE-040(R)/720-29	TM30	1.347	1.806	1170	5.64	10.31	20.29	69.8	0.43	1931
XTE-040/720-43	TM40	2.021	2.710	1756	5.64	12.21	31.67	67.2	0.67	3008
XTE-040/720-86	TM31	4.042	5.420	3511	7.98	17.92	56.51	94.9	0.67	4261

Notes:

1. Three-Phase Supply 460VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1). All models in this table can support S2-30' and S4-25%, 600st/hr duty
9. Models marked (R) support S4-50%, 1,200st/hr duty
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -55°C to 65°C (-67°F to 149°F)

3-PH, 480VAC (60Hz) Power Supply

XTE3000 Model	Motor Type	kW ⁽²⁾	HP ⁽³⁾	RPM	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010(R)/30-14	TM00	0.036	0.048	586	0.49	0.56	0.84	24.1	0.46	150
XTE-010(R)/30-22	TM01	0.055	0.074	878	0.52	0.65	1.10	38.5	0.42	143
XTE-010(R)/30-29	TM10	0.085	0.114	585	1.65	2.00	3.37	20.6	0.38	412
XTE-010(R)/30-43	TM11	0.128	0.172	878	1.65	1.88	3.89	30.3	0.39	423
XTE-010(R)/30-58	TM04	0.170	0.228	1170	1.53	2.82	3.89	35.9	0.47	473
XTE-010(R)/30-86	TM05	0.255	0.342	1756	1.41	3.06	6.09	49.0	0.56	520
XTE-010/30-173	TM06	0.511	0.685	3511	2.00	2.94	8.42	54.7	0.71	934
XTE-010(R)/90-14	TM10	0.085	0.114	585	1.65	2.00	3.37	20.6	0.38	412
XTE-010(R)/90-22	TM11	0.128	0.172	878	1.65	1.88	3.89	30.3	0.39	423
XTE-010(R)/90-29	TM12	0.147	0.197	585	2.23	2.47	3.89	23.8	0.42	618
XTE-010(R)/90-43	TM13	0.220	0.295	878	2.35	3.06	4.92	34.7	0.41	635
XTE-010(R)/90-58	TM14	0.343	0.460	1170	2.00	2.47	7.13	60.6	0.43	566
XTE-010(R)/90-86	TM15	0.441	0.591	1756	2.47	3.53	10.37	54.3	0.50	813
XTE-010/90-173	TM16	0.882	1.183	3511	3.29	5.64	17.63	69.0	0.59	1279
XTE-020(R)/180-14	TM12	0.147	0.197	585	2.23	2.47	3.89	23.8	0.42	618
XTE-020(R)/180-22	TM13	0.220	0.295	878	2.35	3.06	4.92	34.7	0.41	635
XTE-020(R)/180-29	TM14	0.343	0.460	1170	2.00	2.47	7.13	60.6	0.43	566
XTE-020(R)/180-43	TM15	0.441	0.591	1756	2.47	3.53	10.37	54.3	0.50	813
XTE-020(R)/180-58	TM21	0.631	0.846	1170	3.29	5.64	11.02	71.0	0.41	889
XTE-020(R)/180-86	TM22	0.946	1.269	1756	3.65	7.29	16.33	66.8	0.59	1416
XTE-020/180-173	TM23	1.764	2.366	3511	6.00	10.00	33.05	64.8	0.69	2724
XTE-030(R)/360-29	TM21	0.631	0.846	1170	3.29	5.64	11.02	71.0	0.41	889
XTE-030(R)/360-43	TM22	0.946	1.269	1756	3.65	7.29	16.33	66.8	0.59	1416
XTE-030(R)/360-58	TM30	1.347	1.806	1170	7.06	12.11	25.40	67.5	0.43	1997
XTE-030/360-86	TM23	1.764	2.366	3511	6.00	10.00	33.05	64.8	0.69	2724
XTE-030/360-173	TM31	4.042	5.420	3511	10.00	21.05	70.76	91.7	0.67	4408
XTE-040(R)/720-29	TM30	1.347	1.806	1170	7.06	12.11	25.40	67.5	0.43	1997
XTE-040/720-43	TM40	2.021	2.710	1756	7.06	14.35	39.66	65.0	0.67	3112
XTE-040/720-86	TM31	4.042	5.420	3511	10.00	21.05	70.76	91.7	0.67	4408

Notes:

1. Three-Phase Supply 480VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1). All models in this table can support S2-30' and S4-25%, 600st/hr duty
9. Models marked (R) support S4-50%, 1,200st/hr duty
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -55°C to 65°C (-67°F to 149°F)

- Contact factory for the following power supply options:
 - 3PH-220 50Hz
 - 3PH-230 50Hz
 - 3PH-240 50Hz
 - 3PH-440 50Hz
 - 3PH-660 50Hz
 - 3PH-280 60Hz
 - 3PH-400 60Hz

Single-Phase AC Short-Time Duty (S2-15') or Positioning/Inching Duty (S4-25%, 60st/hr)

1-PH, 220VAC (50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	1.15	1.88	4.18	46.0	0.91	230
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	2.82	5.54	11.5	62.2	0.95	590
XTE-010R/30-SR3	TM16	from 73 to 95	0.735	0.986	7.11	9.41	20.91	49.0	0.96	1501
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	3.35	5.75	12.02	27.8	0.90	662
XTE-010R/90-SR2	TM18	from 24 to 95	0.500	0.671	3.35	7.22	18.2	72.2	0.94	693
XTE-010R/90-SR3	TM16	from 96 to 120	0.735	0.986	7.39	9.67	14.58	47.1	0.96	1561
XTE-020R/180-SR1	TM22	from 12 to 36	0.789	1.058	6.8	10.98	18.82	56.7	0.93	1390
XTE-020R/180-SR2	TM22	from 48 to 60	0.789	1.058	9.9	16.73	41.82	39.2	0.92	2010
XTE-030R/360-SR1	TM30	from 10 to 30	1.123	1.506	12.6	17.25	26.14	42.8	0.95	2622

Notes:

1. Single-Phase Supply 220VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 230VAC (50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	1.10	1.80	4.00	46.0	0.91	230
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	2.70	5.30	11.00	62.2	0.95	590
XTE-010R/30-SR3	TM16	from 73 to 95	0.735	0.986	6.80	9.00	20.00	49.0	0.96	1501
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	3.20	5.50	11.50	27.8	0.90	662
XTE-010R/90-SR2	TM18	from 24 to 95	0.500	0.671	3.20	6.90	17.50	72.3	0.94	692
XTE-010R/90-SR3	TM16	from 96 to 120	0.735	0.986	7.07	9.25	13.95	47.1	0.96	1561
XTE-020R/180-SR1	TM22	from 12 to 36	0.789	1.058	6.50	10.50	18.00	56.7	0.93	1390
XTE-020R/180-SR2	TM22	from 48 to 60	0.789	1.058	9.50	16.00	40.00	39.2	0.92	2010
XTE-030R/360-SR1	TM30	from 10 to 30	1.123	1.506	12.00	16.50	25.00	42.8	0.95	2622

Notes:

1. Single-Phase Supply 230VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 240V(60Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	3.15	5.74	9.70	32.2	0.91	330
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	7.30	10.23	23.00	46.0	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.735	0.986	12.30	13.57	26.10	54.1	0.96	1358
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	5.75	11.17	24.00	30.9	0.90	595
XTE-010R/90-SR2	TM15	from 24 to 40	0.367	0.492	8.60	18.80	26.10	39.1	0.95	940
XTE-010R/180-SR1	TM21	from 8 to 20	0.526	0.705	13.40	16.70	26.10	36.7	0.93	1433

Notes:

1. Single-Phase Supply 240VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 110V(50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	3.15	5.74	9.70	32.2	0.91	330
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	7.30	10.23	23.00	46.0	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.735	0.986	12.30	13.57	26.10	54.1	0.96	1358
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	5.75	11.17	24.00	30.9	0.90	595
XTE-010R/90-SR2	TM15	from 24 to 40	0.367	0.492	8.60	18.80	26.10	39.1	0.95	940
XTE-010R/180-SR1	TM21	from 8 to 20	0.526	0.705	13.40	16.70	26.10	36.7	0.93	1433

Notes:

1. Single-Phase Supply 110VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. S2-15' duty or S4-25% duty (60st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 115V(50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	3.15	5.74	9.70	32.2	0.91	330
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	7.30	10.23	23.00	46.0	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.735	0.986	12.30	13.57	26.10	54.1	0.96	1358
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	5.75	11.17	24.00	30.9	0.90	595
XTE-010R/90-SR2	TM15	from 24 to 40	0.367	0.492	8.60	18.80	26.10	39.1	0.95	940
XTE-010R/180-SR1	TM21	from 8 to 20	0.526	0.705	13.40	16.70	26.10	36.7	0.93	1433

Notes:

1. Single-Phase Supply 115VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 120V(60Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.127	0.170	3.00	5.50	9.30	38.8	0.91	328
XTE-010R/30-SR2	TM15	from 24 to 72	0.440	0.590	7.00	9.80	22.00	55.1	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.882	1.183	11.80	13.00	25.00	64.9	0.96	1359
XTE-010R/90-SR1	TM13	from 6 to 23	0.221	0.296	5.50	10.70	23.00	37.2	0.90	594
XTE-010R/90-SR2	TM15	from 24 to 40	0.440	0.590	8.20	18.00	25.00	47.1	0.95	935
XTE-010R/180-SR1	TM21	from 8 to 20	0.631	0.846	12.80	16.00	25.00	45.6	0.90	1382

Notes:

1. Single-Phase Supply 120VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

Single-Phase AC Intermittent Periodic Duty S4-50%, 1,200 st/hr (Modulating)

1-PH, 220VAC (50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	1.15	1.88	4.18	46.0	0.91	230
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	2.82	5.54	11.50	62.2	0.95	590
XTE-010R/30-SR3	TM16	from 73 to 95	0.735	0.986	7.11	9.41	20.91	49.0	0.96	1501
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	3.35	5.75	12.02	27.8	0.90	662
XTE-010R/90-SR2	TM18	from 24 to 95	0.500	0.671	3.35	7.22	18.20	72.2	0.94	693
XTE-010R/90-SR3	TM16	from 96 to 120	0.735	0.986	7.39	9.67	14.58	47.1	0.96	1561
XTE-020R/180-SR1	TM22	from 12 to 36	0.789	1.058	6.80	10.98	18.82	56.7	0.93	1390
XTE-020R/180-SR2	TM22	from 48 to 60	0.789	1.058	9.93	16.73	41.82	39.2	0.92	2010
XTE-030R/360-SR1	TM30	from 10 to 30	1.123	1.506	12.55	17.25	26.14	42.8	0.95	2622

Notes:

1. Single-Phase Supply 220VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 30V(50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	1.10	1.80	4.00	46.0	0.91	230
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	2.70	5.30	11.00	62.2	0.95	590
XTE-010R/30-SR3	TM16	from 73 to 95	0.735	0.986	6.80	9.00	20.00	49.0	0.96	1501
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	3.20	5.50	11.50	27.8	0.90	662
XTE-010R/90-SR2	TM18	from 24 to 95	0.500	0.671	3.20	6.90	17.50	72.3	0.94	692
XTE-010R/90-SR3	TM16	from 96 to 120	0.735	0.986	7.07	9.25	13.95	47.1	0.96	1561
XTE-020R/180-SR1	TM22	from 12 to 36	0.789	1.058	6.50	10.50	18.00	56.7	0.93	1390
XTE-020R/180-SR2	TM22	from 48 to 60	0.789	1.058	9.50	16.00	40.00	39.2	0.92	2010
XTE-030R/360-SR1	TM30	from 10 to 30	1.123	1.506	12.00	16.50	25.00	42.8	0.95	2622

Notes:

1. Single-Phase Supply 230VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 240V(50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	3.15	5.74	9.70	32.2	0.91	330
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	7.30	10.23	23.00	46.0	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.735	0.986	12.30	13.57	26.10	54.1	0.96	1358
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	5.75	11.17	24.00	30.9	0.90	595
XTE-010R/90-SR2	TM15	from 24 to 40	0.367	0.492	8.60	18.80	26.10	39.1	0.95	940
XTE-010R/180-SR1	TM21	from 8 to 20	0.526	0.705	13.40	16.70	26.10	36.7	0.93	1433

Notes:

1. Single-Phase Supply 240VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 110V(50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	3.15	5.74	9.70	32.2	0.91	330
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	7.30	10.23	23.00	46.0	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.735	0.986	12.30	13.57	26.10	54.1	0.96	1358
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	5.75	11.17	24.00	30.9	0.90	595
XTE-010R/90-SR2	TM15	from 24 to 40	0.367	0.492	8.60	18.80	26.10	39.1	0.95	940
XTE-010R/180-SR1	TM21	from 8 to 20	0.526	0.705	13.40	16.70	26.10	36.7	0.93	1433

Notes:

1. Single-Phase Supply 110VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 115VAC (50Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.106	0.142	3.15	5.74	9.70	32.2	0.91	330
XTE-010R/30-SR2	TM15	from 24 to 72	0.367	0.492	7.30	10.23	23.00	46.0	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.735	0.986	12.30	13.57	26.10	54.1	0.96	1358
XTE-010R/90-SR1	TM13	from 6 to 23	0.184	0.247	5.75	11.17	24.00	30.9	0.90	595
XTE-010R/90-SR2	TM15	from 24 to 40	0.367	0.492	8.60	18.80	26.10	39.1	0.95	940
XTE-010R/180-SR1	TM21	from 8 to 20	0.526	0.705	13.40	16.70	26.10	36.7	0.93	1433

Notes:

1. Single-Phase Supply 115VAC/50Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

1-PH, 120VAC (60Hz) Power Supply

XTE3000 Model	Actuator Speed Range (RPM)	Model Type	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Power Factor	Absorbed Power (W)
XTE-010R/30-SR1	TM11	from 8 to 17	0.127	0.170	3.00	5.50	9.30	38.8	0.91	328
XTE-010R/30-SR2	TM15	from 24 to 72	0.440	0.590	7.00	9.80	22.00	55.1	0.95	798
XTE-010R/30-SR3	TM16	from 73 to 90	0.882	1.183	11.80	13.00	25.00	64.9	0.96	1359
XTE-010R/90-SR1	TM13	from 6 to 23	0.221	0.296	5.50	10.70	23.00	37.2	0.90	594
XTE-010R/90-SR2	TM15	from 24 to 40	0.440	0.590	8.20	18.00	25.00	47.1	0.95	935
XTE-010R/180-SR1	TM21	from 8 to 20	0.631	0.846	12.80	16.00	25.00	45.6	0.90	1382

Notes:

1. Single-Phase Supply 120VAC/60Hz; tolerance on Voltage value = -10% / +10%
2. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
3. Nominal Output Power, expressed in Mechanical Horsepower (HP)
4. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
5. Inom = Motor nominal current (current draw at motor rated output power)
6. Is = Seating current (current draw at actuator nominal torque)
7. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
8. Nominal duty of S4-25%, 1,200st/hr at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
9. Class H motor insulation
10. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
11. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

Direct Current Intermittent Periodic Duty: S4-25%, 600st/hr (Modulating)

24VDC Power Supply

XTE3000 Model	Motor Type	Actuator Speed Range (RPM)	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Absorbed Power (W)
XTE-010D/30-SR1	DM05	from 12 to 30	0.190	0.255	10.00	20.00	30.00	0.79	240
XTE-010D/30-SR2	DM05	from 30 to 60	0.190	0.255	12.00	29.00	50.00	0.66	288
XTE-010D/90-SR1	DM05	from 12 to 30	0.190	0.255	14.00	32.00	63.00	0.58	336
XTE-010D/90-SR2	DM05	from 50 to 68	0.190	0.255	37.00	80.00	120.00	0.21	888

Notes:

1. DC Supply, 24V and 48V with tolerance on Voltage value = -10% / +10%
2. Permanent magnet motor, brushed DC
3. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
4. Nominal Output Power, expressed in Mechanical Horsepower (HP)
5. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
6. Inom = Motor nominal current (current draw at motor rated output power)
7. Is = Seating current (current draw at actuator nominal torque)
8. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
9. Nominal S2-15' duty or S4-25% duty (600st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

48VDC Power Supply

XTE3000 Model	Motor Type	Actuator Speed Range (RPM)	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Absorbed Power (W)
XTE-010D/30-SR1	DM05	from 12 to 30	0.400	0.536	9.50	10.00	58.00	0.88	456
XTE-010D/30-SR2	DM05	from 30 to 60	0.400	0.536	10.00	12.50	58.00	0.83	480
XTE-010D/90-SR1	DM05	from 12 to 30	0.400	0.536	10.00	16.50	58.00	0.83	480
XTE-010D/90-SR2	DM05	from 50 to 68	0.400	0.536	16.50	32.00	58.00	0.51	792

Notes:

1. DC Supply, 24V and 48V with tolerance on Voltage value = -10% / +10%
2. Permanent magnet motor, brushed DC
3. Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
4. Nominal Output Power, expressed in Mechanical Horsepower (HP)
5. Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
6. Inom = Motor nominal current (current draw at motor rated output power)
7. Is = Seating current (current draw at actuator nominal torque)
8. Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
9. Nominal S2-15' duty or S4-25% duty (600st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
10. Class H motor insulation
11. Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
12. Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

110VDC Power Supply

XTE3000 Model	Motor Type	Actuator Speed Range (RPM)	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Absorbed Power (W)
XTE-010D/30-SR1	DM05	from 12 to 30	0.400	0.536	5.20	7.50	25.00	0.70	572
XTE-010D/30-SR2	DM05	from 30 to 80	0.400	0.536	5.80	7.70	25.00	0.63	638
XTE-010D/90-SR1	DM05	from 20 to 40	0.400	0.536	5.20	9.00	25.00	0.70	572
XTE-010D/90-SR2	DM05	from 55 to 70	0.400	0.536	6.00	12.00	25.00	0.61	660
XTE-020D/180-SR1	DM05	from 35 to 37	0.400	0.536	7.20	17.50	25.00	0.51	792

Notes:

- DC Supply, 24V and 48V with tolerance on Voltage value = -10% / +10%
- Permanent magnet motor, brushed DC
- Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
- Nominal Output Power, expressed in Mechanical Horsepower (HP)
- Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
- Inom = Motor nominal current (current draw at motor rated output power)
- Is = Seating current (current draw at actuator nominal torque)
- Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
- Nominal S2-15' duty or S4-25% duty (600st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
- Class H motor insulation
- Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
- Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

120VDC Power Supply

XTE3000 Model	Motor Type	Actuator Speed Range (RPM)	kW ⁽²⁾	HP ⁽³⁾	Inom ^{(A)(5)}	Is ^{(A)(6)}	Icc ^{(A)(7)}	Efficiency (%)	Absorbed Power (W)
XTE-010D/30-SR1	DM05	from 12 to 30	0.400	0.536	4.80	7.50	25.00	0.69	576
XTE-010D/30-SR2	DM05	from 30 to 80	0.400	0.536	5.40	7.70	25.00	0.62	648
XTE-010D/90-SR1	DM05	from 20 to 40	0.400	0.536	4.80	9.00	25.00	0.69	576
XTE-010D/90-SR2	DM05	from 55 to 70	0.400	0.536	5.50	12.00	25.00	0.61	660
XTE-020D/180-SR1	DM05	from 35 to 37	0.400	0.536	6.60	17.50	25.00	0.51	792

Notes:

- DC Supply, 110-120V with tolerance on Voltage value = -10% / +10%
- Permanent magnet motor, brushed DC
- Nominal Output Power, expressed in kilowatt (kW) according to CEI 2-3 (Eq. to IEC 60034-1)
- Nominal Output Power, expressed in Mechanical Horsepower (HP)
- Efficiency, Power Factor, and Absorbed Power (watt) are listed at actuator nominal torque and maximum actuator speed
- Inom = Motor nominal current (current draw at motor rated output power)
- Is = Seating current (current draw at actuator nominal torque)
- Icc = Locked rotor current (current draw at motor stall torque; zero motor RPM)
- Nominal S2-15' duty or S4-25% duty (600st/hr) at Pnom/Unom (-5%;+5%) acc. to CEI 2-3 (eq. to IEC 60034-1)
- Class H motor insulation
- Tolerances on published values according to CEI 2-3 (eq. to IEC 60034-1)
- Working Temperature Range: -40°C to 65°C (-40°F to 149°F)

Controls

Analog Module

Analog Position Transmission Module

APT This module is a card that features a 4-20 mA optically-isolated module for position or torque transmission. Said card is easily plugged into the base card without the need for dedicated tools. The module can be configured to the output torque in place of the actuator position.

Position Servoamplifier Module

PSM Module necessary for actuators that support modulating and positioning / inching duty. This card drives the motor through pulses at constant frequency and duration proportional to the position error, following an externally-set analog signal. The basic features are:
Input: 4-20 mA or 0-20 mA with optical isolation
Output: 4-20 mA with galvanic insulation for position or torque transmission.

Bus Control Modules

FOUNDATION™ fieldbus

Electrical interface	IEC 61158-2, 2 wire communication
Data rate	31.25 kbit/s
Bus type	H1 communication bus, Voltage Mode signaling
Device number	32 devices per segment Max 16 device (best practice) even less in case of many function blocks assigned to the microcycle
Bus length:	1,900 m (6,234 ft) per segment
Electrical power:	Bus-powered Max voltage 32V Min voltage 9V Rated current $I_n = 19\text{mA}$ Fault current $I_{max} = 24\text{mA}$

HART

Electrical interface	4-20mA analog loop, 2-wire communication / supports Wireless HART
Data rate	Request/response mode – 2/3 updates per second Optional burst mode – 3/4 updates per second
Bus type	HART protocol
Device number	Point-to-point architecture : 1 field device Split ranging: normally 2 field devices Multidrop: 16 field devices
Bus length:	Maximum twisted pair length—10,000 ft (3,048 m) Maximum multiple twisted pair length—5,000 ft (1,524 m)
Electrical power:	Bus-powered Max voltage 36V Min voltage 0V

Modbus RTU

Electrical interface	2-wire RS485
Data rate	600 1200 2400 4800 9600 19200 38400 bit/sec
Transmission technology	RS-485, half duplex
Device number	Max. 32 devices per segment. If more than 32 devices are present on the Bus, repeaters should be used Max addresses 247
Network topology	Line (bus) structure
Bus length:	1200 meter without repeater
Electrical power:	Actuator-powered

Profibus DP

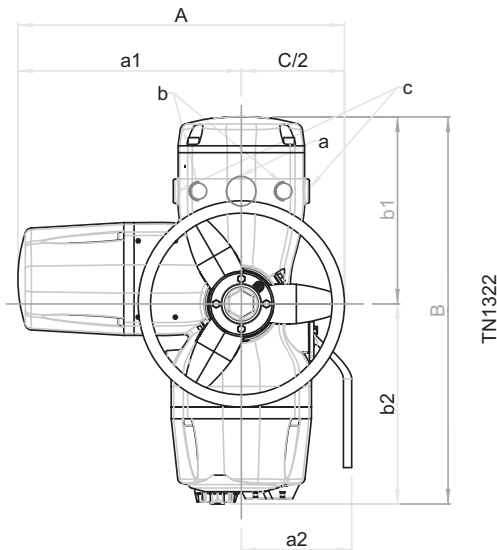
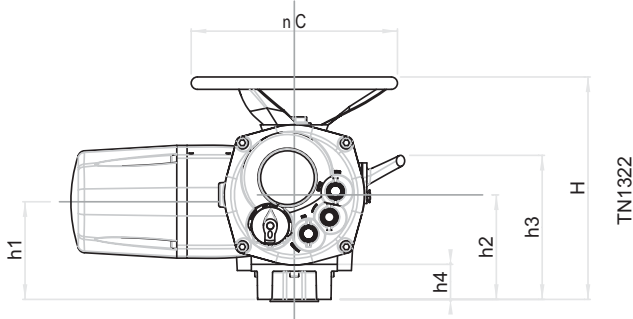
Electrical interface	2-wire RS485								
Data rate	9.6 19.2 45.45 93.75 187.5 500 1500 Kbit/sec								
Network topology	Line (bus) structure. With repeaters tree structures can also be realized								
Device number	32 devices per segment without repeater (max 126, with repeaters)								
Transmission technology	PROFIBUS DP								
Bus length:	Dependent on bus speed selected								
	Bus speed	9.6	19.2	45.45	93.75	187.5	500	1500	Kbit/sec
	Length:	1,200 (3,937)			200 (656)	200 (656)	200 (656)	m (ft)	
Electrical power:	Actuator-powered (optional auxiliary external voltage supply)								
Station type	DPV1 and DPV2 (redundancy) slave								

LonWorks

Electrical interface	2-wire twisted pair
Data rate	78,000 bit/sec
Network topology	Multidrop line or loop
Device number	60 devices per segment using specific 16AWG cable. More segments with repeaters
Transmission technology	LONWORKS FTT-10
Bus length:	1,200m (3,937ft) per segment using specific 16AWG cable. More segments with repeaters
Electrical power:	Actuator-powered

Overall Actuator Dimensions

Overall Dimensions - Standard Manual Override



Note:
Conduit entries:
a = 1-1/2" NPT, Qty 1
b = 1" NPT, Qty 2
c = 3/4" NPT (optional; up to Qty 2)

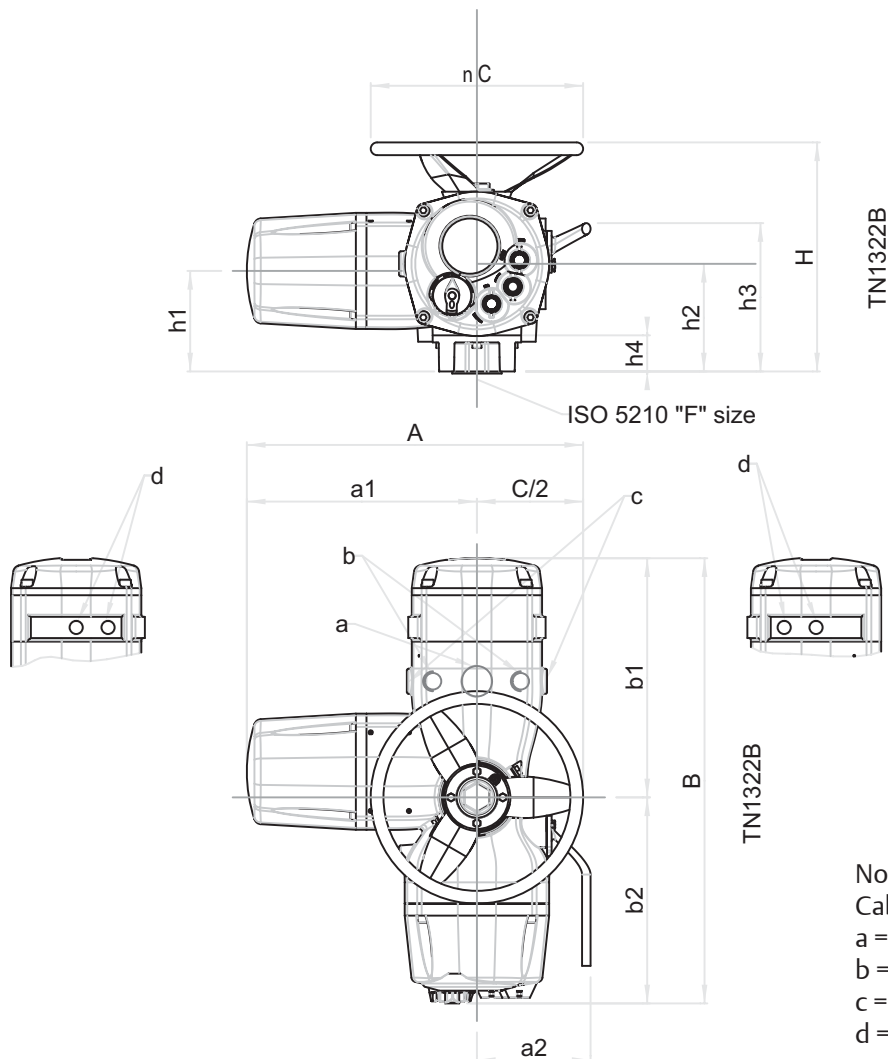
Dimension Table

Overall Dimensions, mm (in)

Model	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg (lb)	F
XTE-010	484 (19.1)	325 (12.8)	159 (6.3)	561 (22.1)	273 (10.7)	288 (11.3)	300 (11.8)	332 (13.1)	142 (5.6)	152 (6.0)	209 (8.2)	32 (71)	F10
XTE-020	597 (23.5)	347 (13.7)	159 (6.3)	579 (22.8)	283 (11.1)	296 (11.7)	500 (19.7)	380 (15.0)	161 (6.3)	161 (6.3)	239 (9.4)	45 (99)	F14
XTE-030	699 (27.5)	399 (15.7)	159 (6.3)	621 (24.4)	313 (12.3)	308 (12.1)	600 (23.6)	436 (17.2)	175 (6.9)	175 (6.9)	269 (10.6)	70 (154)	F14
XTE-040	815 (32.1)	455 (17.9)	159 (6.3)	706 (27.8)	318 (12.5)	388 (15.3)	720 (28.3)	486 (19.1)	196 (7.7)	191 (7.5)	291 (11.5)	86 (190)	F16
XTE-050	958 (37.7)	528 (20.8)	159 (6.3)	756 (29.8)	363 (14.3)	393 (15.5)	860 (33.9)	560 (22.0)	223 (8.8)	218 (8.6)	336 (13.2)	110 (243)	F25

1. Note: ISO 5210 Mounting Scheme - Column F

Overall Dimensions - Optional Profibus Module with Standard Manual Override



Note:
Cable entries:
a = 1-1/2" NPT, Qty 1
b = 1" NPT, Qty 2
c = 3/4" NPT (optional; up to Qty 2)
d = 1/2" NPT (optional; up to Qty 4)

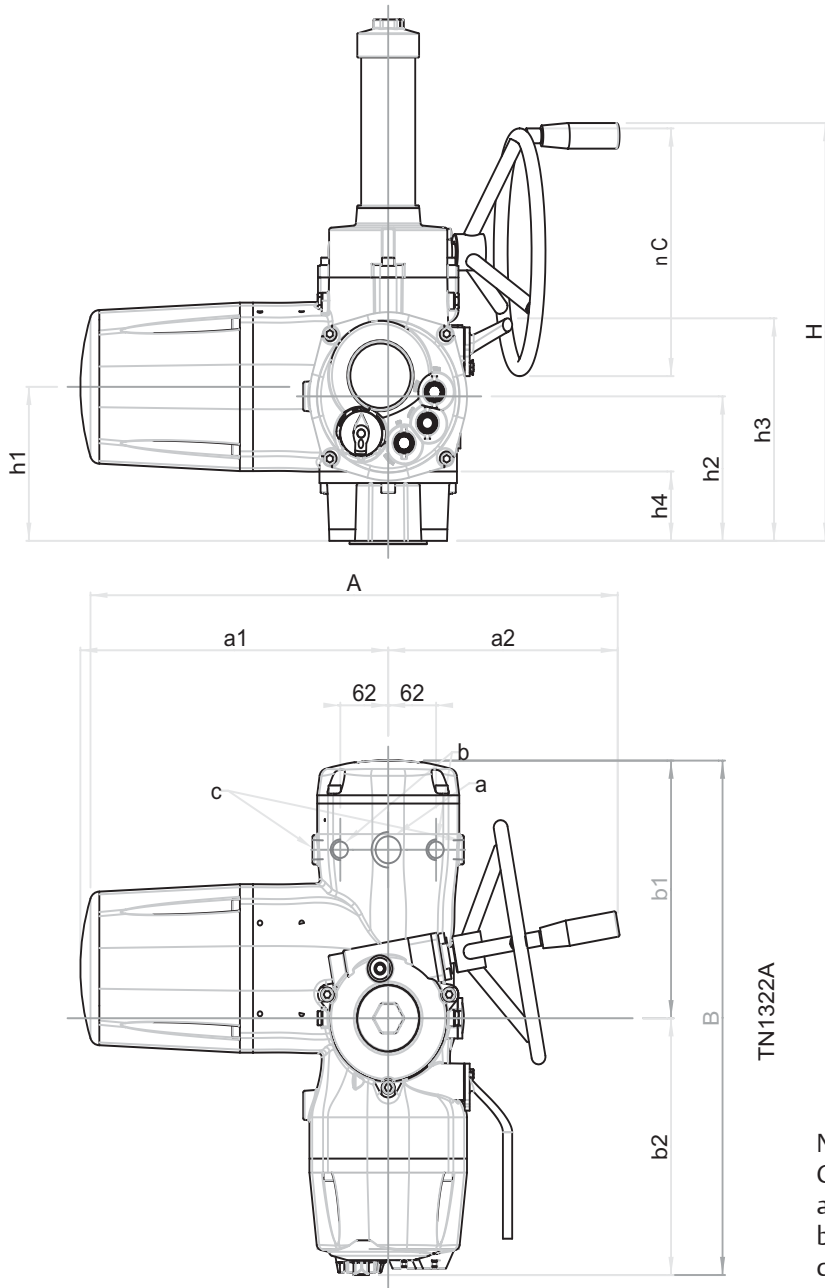
Dimension Table

Overall Dimensions, mm (in)

Model	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg (lb)	F
XTE-010	484 (19.1)	325 (12.8)	159 (6.3)	627 (24.7)	339 (13.3)	288 (11.3)	300 (11.8)	332 (13.1)	142 (5.6)	152 (6.0)	209 (8.2)	38 (84)	F10
XTE-020	597 (23.5)	347 (13.7)	159 (6.3)	645 (25.4)	349 (13.7)	296 (11.7)	500 (19.7)	380 (15.0)	161 (6.3)	161 (6.3)	239 (9.4)	51 (112)	F14
XTE-030	699 (27.5)	399 (15.7)	159 (6.3)	687 (27.0)	379 (14.9)	308 (12.1)	600 (23.6)	436 (17.2)	175 (6.9)	175 (6.9)	269 (10.6)	76 (168)	F14
XTE-040	815 (32.1)	455 (17.9)	159 (6.3)	772 (30.4)	384 (15.1)	388 (15.3)	720 (28.3)	486 (19.1)	196 (7.7)	191 (7.5)	291 (11.5)	92 (203)	F16
XTE-050	958 (37.7)	528 (20.8)	159 (6.3)	825 (32.5)	432 (17.0)	393 (15.5)	860 (33.9)	560 (22.0)	223 (8.8)	218 (8.6)	336 (13.2)	116 (256)	F25

1. Note: ISO 5210 Mounting Scheme - Column F

Overall Dimensions with Handwheel Reducer



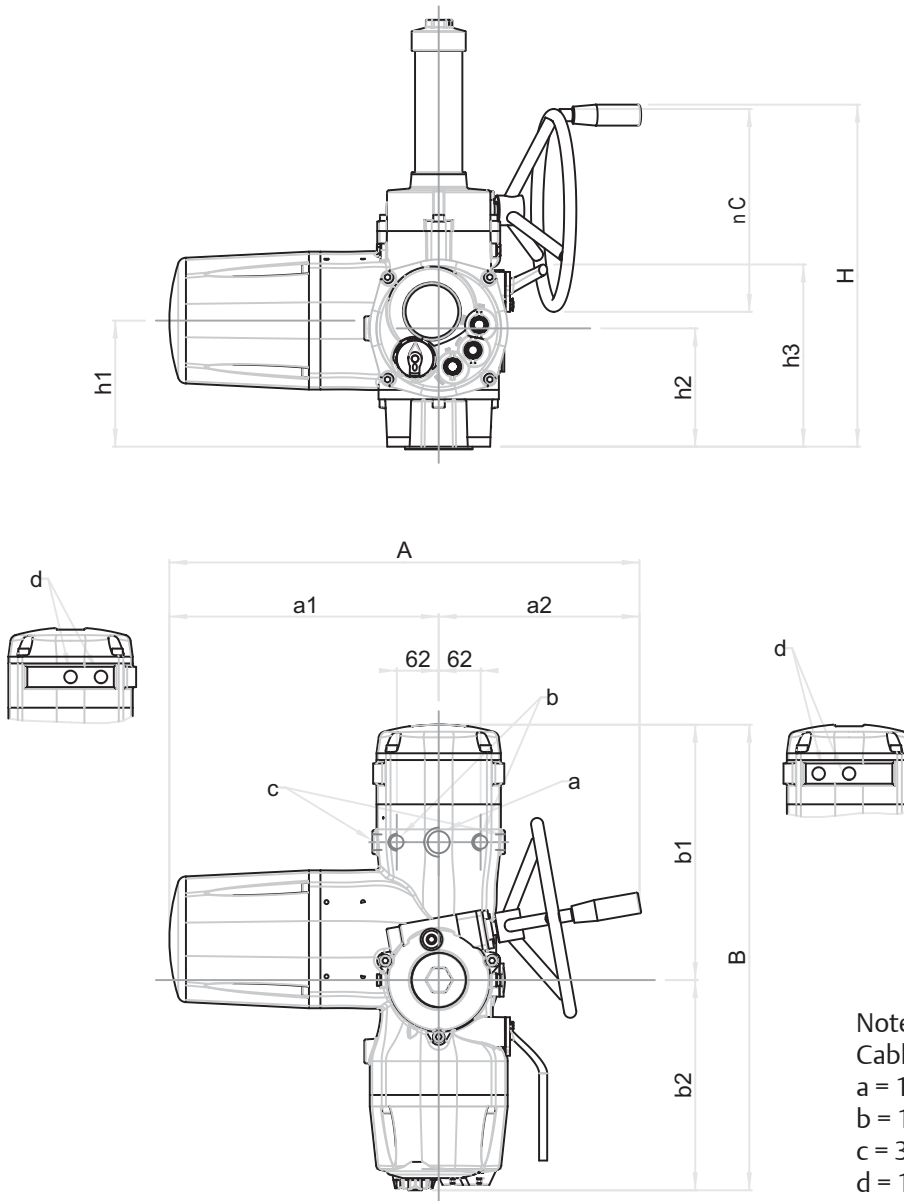
Note:
Cable entries:
a = 1-1/2" NPT, Qty 1
b = 1" NPT, Qty 2
c = 3/4" NPT (optional; up to Qty 2)

Dimension Table

Overall Dimensions, mm (in)

Model	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	Manual Override Reduction Ratio	kg (lb)
XTE-030	648 (25.5)	399 (15.7)	249 (9.8)	621 (24.4)	313 (12.3)	308 (12.1)	300 (11.8)	500 (19.7)	175 (6.9)	175 (6.9)	269 (10.6)	10:1	78 (172)
XTE-040	723 (28.5)	455 (17.9)	268 (10.6)	706 (27.8)	318 (12.5)	388 (15.3)	400 (15.7)	574 (22.6)	196 (7.7)	191 (7.5)	291 (11.5)	13:1	94 (207)
XTE-050	799 (31.5)	528 (20.8)	271 (10.7)	756 (29.8)	363 (14.3)	393 (15.5)	500 (19.7)	685 (27.0)	223 (8.8)	218 (8.6)	336 (8.6)	17:1	118 (260)

Overall Dimensions - Optional Profibus Module with Handwheel Reducer



Dimension Table

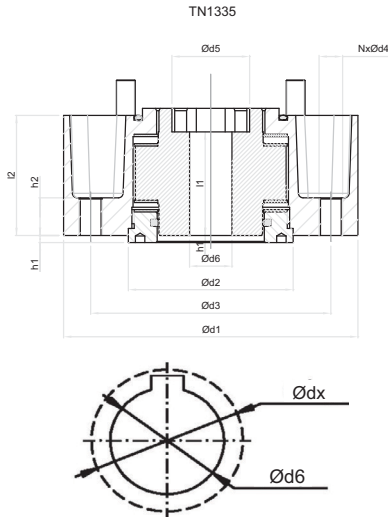
Overall Dimensions, mm (in)

Model	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	Manual Override Reduction Ratio	kg (lb)
XTE-030	648 (25.5)	399 (15.7)	249 (9.8)	687 (27.0)	379 (14.9)	308 (12.1)	300 (11.8)	500 (19.7)	175 (6.9)	175 (6.9)	269 (10.6)	10:1	84 (185)
XTE-040	723 (28.5)	455 (17.9)	268 (10.6)	772 (30.4)	384 (15.1)	388 (15.3)	400 (15.7)	574 (22.6)	196 (7.7)	191 (7.5)	291 (11.5)	13:1	100 (220)
XTE-050	799 (31.5)	528 (20.8)	271 (10.7)	822 (32.4)	429 (16.9)	393 (15.5)	500 (19.7)	685 (27.0)	223 (8.8)	218 (8.6)	336 (13.2)	17:1	124 (273)

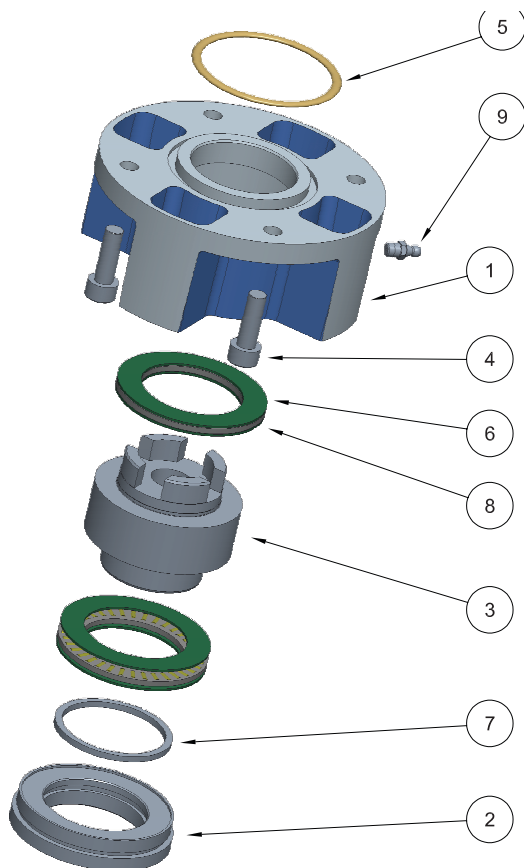
Output Drive Dimensions

Output Drive Type A Dimensions

Type A = thrust base. Used when an XTE3000 without a gearbox is connected to a valve that generates thrust



Coupling Block Assembly



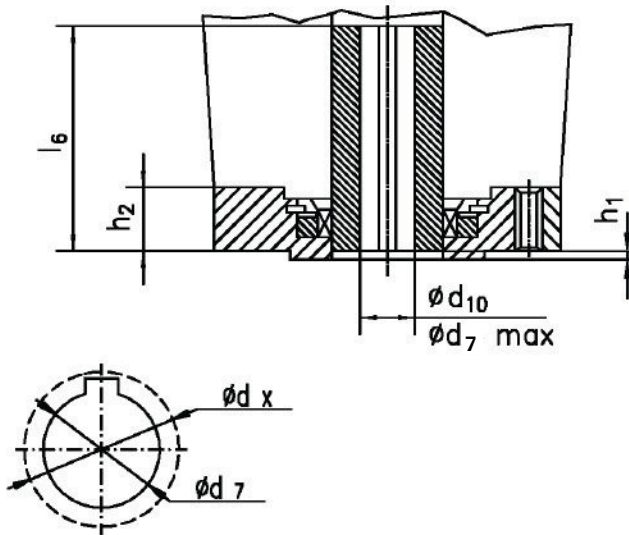
Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
F _{nom} kN (klbf)	40 (9.00)	100 (22.5)	150 (33.7)	180 (40.5)	300 (67.4)
F _{max} kN (klbf)	60 (13.5)	150 (33.7)	225 (50.6)	270 (60.7)	450 (101.1)
Ød 1	125(4.9)	175(6.9)	175(6.9)	210(8.3)	300(11.8)
Ød 2 f8	70 (2.8)	100 (3.9)	100 (3.9)	130 (5.1)	200 (7.9)
Ød 3	102(4.0)	140 (5.5)	140 (5.5)	165 (6.5)	254(10.0)
Ød 4	M10	M16	M16	M20	M16
Ød 5	33 (1.3)	46 (1.8)	62 (2.4)	68 (2.7)	78 (3.1)
Ød 6 not machined ⁽⁵⁾	18 ⁽⁵⁾ (0.7)	19 (0.7)	26 (1.0)	30 (1.2)	35 (1.4)
Ød 6 max	32 (1.3)	45 (1.8)	60.5 (2.4)	65 (2.6)	76.5 (3.0)
Ød x max	32 (1.3)	45 (1.8)	60.5 (2.4)	65 (2.6)	76.5 (3.0)
I ₁	40 (1.6)	55 (2.2)	70 (2.8)	75 (3.0)	95 (3.7)
I ₂	51 (2.0)	68 (2.7)	84 (3.3)	94 (3.7)	120 (4.7)
h ₁	3 (0.1)	4 (0.2)	4 (0.2)	5 (0.2)	5 (0.2)
h ₂	15 (0.6)	24 (0.9)	24 (0.9)	30 (1.2)	24 (24)
Number of bolt holes	4	4	4	4	8
Weight, kg (lb)	1.53 (3.37)	7.65 (16.86)	7.65 (16.86)	15.30 (33.72)	28.04 (61.82)

1. Ød_6 max = Maximum allowable valve stem diameter
2. Ødx = maximum allowable diameter as prescribed by stem keyway (if applicable)
3. F_{nom} is the maximum thrust applicable to the XTE3000 block type "A" for DYNAMIC CONDITIONS with torque control set at 100% (nominal torque)
4. F_{max} is the maximum thrust applicable to the XTE3000 block type "A" for STATIC CONDITIONS with manual override or with motor at stall torque
5. Not applicable when a blind insert bushing is used
6. Note: All units in mm (in) unless otherwise stated

Item	Qty	Description	Material	Part Number	Spare
1	1	Thrust Block	Cast Iron	3800100400	
2	1	Seal Locking Ring	Carbon Steel	3800100410	
3	1	Bush	Bronze	3800100430	
4	4	Screw	Stainless Steel	8058212000	
5	1	O-Ring	NBR	8092141000	X
6	4	Thrust Bearing Washer	Alloy Steel	8411045000	
7	1	Q-Ring	NBR	8800914133	X
8	1	Axial Bearing	Carbon Steel	8854001000	
9	1	Greaser	Carbon Steel	8870120000	

Output Drive Type B4 Dimensions

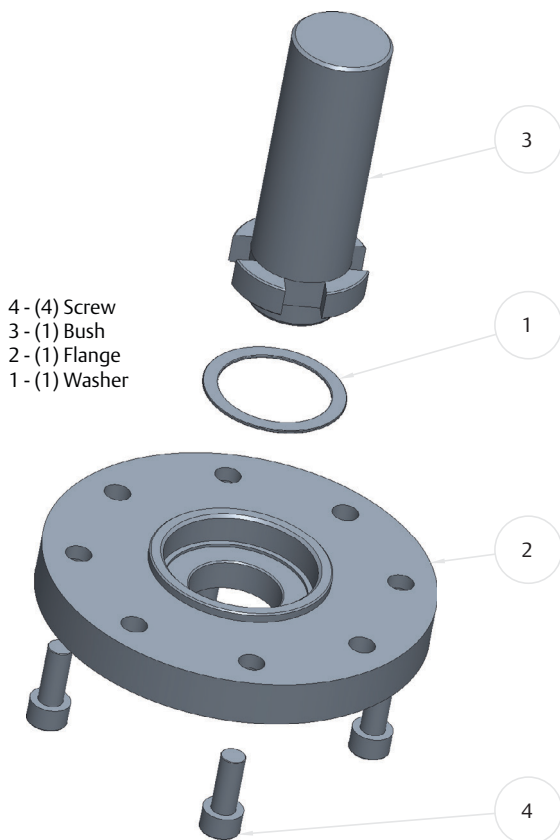
Type B4 = gearbox coupling base. Used to adapt to a "non-native" gearbox when such a gearbox is connected to the XTE3000



Model	010	020	030	040	050	
ISO 5210	F10	F14	F14	F16	F25	
B4	Ød 7 max ⁽⁶⁾	22 (0.9)	32 (1.3)	46 (1.8)	50 (2.0)	58 (2.3)
	Ødx	26 (1.0)	40 (1.6)	55 (2.2)	60 (2.4)	68 (2.7)
	l ₆	100 (3.9)	120 (4.7)	130 (5.1)	180 (7.1)	180 (7.1)
	h ₁	3 (0.1)	4 (0.2)	4 (0.2)	5 (0.2)	5 (0.2)
	h ₂	15 (0.6)	24 (0.9)	24 (0.9)	30 (1.2)	24 (0.9)
	N	4	4	4	4	8
	Weight (N)	10	55	60	120	200

1. Ød7max = maximum allowable input diameter (with standard keyway as per ISO 773)
2. Ødx = maximum allowable input diameter as prescribed by stem keyway (if applicable)
3. Note: All units in mm (in) unless otherwise stated

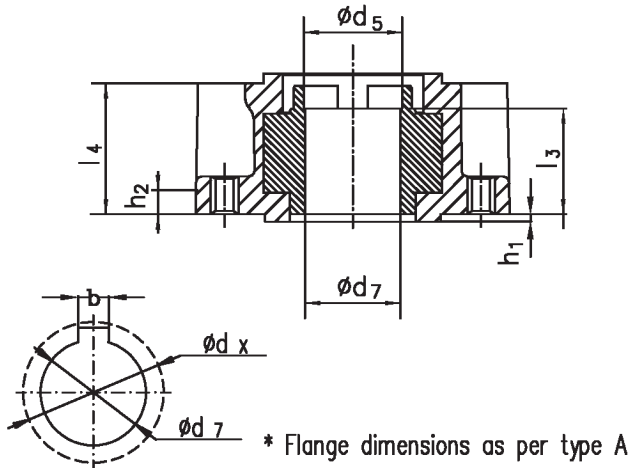
Coupling Block Type B4



Item	Qty	Description	Material	Part Number	Spare
1	1	Washer		3500050300	
2	1	Flange	Carbon Steel	3800100460	
3	1	Bush	Cast Iron	3800100470	
4	4	Screw	Stainless Steel	8058210000	

Output Drive Type B6 Dimensions

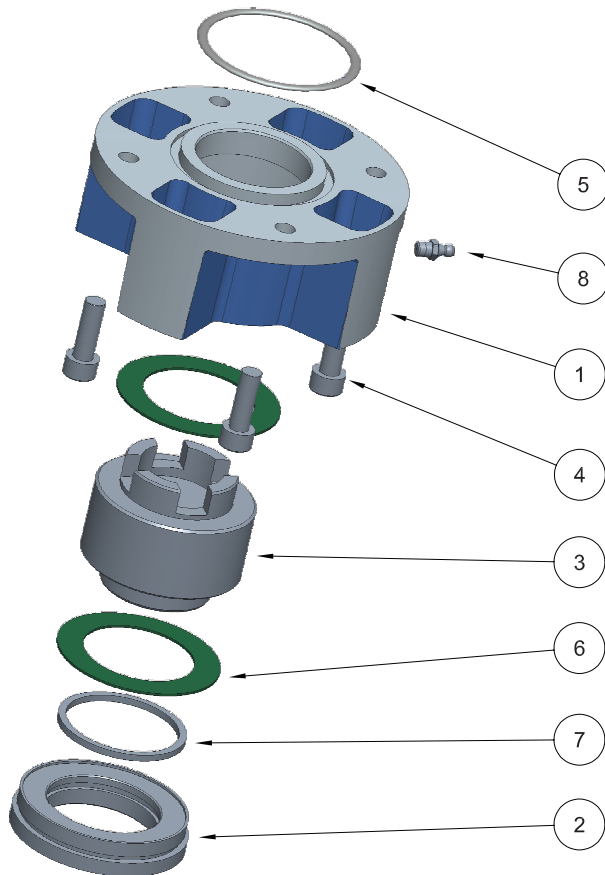
Type B6 = non-thrust coupling. Used when an XTE3000 without a gearbox is connected to a valve that does not generate thrust



Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
Ød5	33 (1.3)	46 (1.8)	62 (2.4)	68 (2.7)	78 (3.1)
B6 Ød7 max ⁽⁶⁾	25 (1.0)	38 (1.5)	51 (2.0)	55 (2.2)	65 (2.6)
Ødx max ⁽⁷⁾	33 (1.3)	46 (1.8)	62 (2.4)	66 (2.6)	75 (3.0)
l ₃	40 (1.6)	55 (2.2)	70 (2.8)	75 (3.0)	95 (3.7)
l ₄	51 (2.0)	68 (2.7)	84 (3.3)	94 (3.7)	120 (4.7)
h ₁	3 (0.1)	4 (0.2)	4 (0.2)	5 (0.2)	5 (0.2)
h ₂	15 (0.6)	24 (0.9)	24 (0.9)	30 (1.2)	24 (0.9)
N	4	4	4	4	8
Weight (N)	15	65	70	140	260

1. Ød7 = maximum allowable valve stem diameter
2. Ødx = maximum allowable diameter as prescribed by stem keyway (if applicable)
3. Note: All units in mm (in) unless otherwise stated

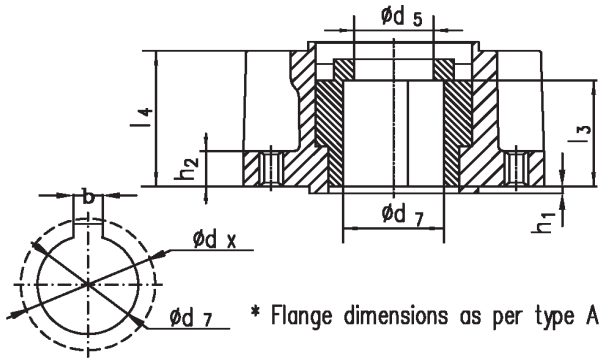
Coupling Block Type B6



Item	Qty	Description	Material	Part Number	Spare
1	1	Thrust Block	Cast Iron	3800100400	
2	1	Seal Locking Ring	Carbon Steel	3800100410	
3	1	Bush	Carbon Steel	3800102450	
4	4	Screw	Stainless Steel	8058212000	
5	1	O-Ring	NBR	8092141000	X
6	2	Thrust Bearing Washer	Alloy Steel	8411045000	
7	1	Q-Ring	NBR	8800914133	X
8	1	Greaser	Carbon Steel	8870120000	

Output Drive Type B8 Dimensions

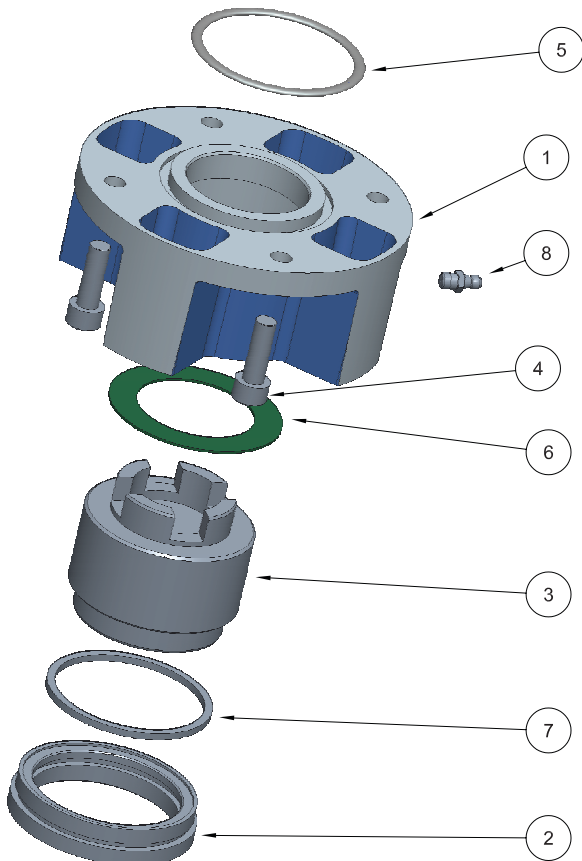
Type B8 = non-thrust coupling. Similar to Type B6 but can accept larger valve stem diameters



Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
Ød5	33 (1.3)	46 (1.8)	62 (2.4)	68 (2.7)	78 (3.1)
B8 Ød7 max ⁽⁶⁾	42 (1.7)	60 (2.4)	60 (2.4)	80 (3.1)	100 (3.9)
Ødx max ⁽⁷⁾	50 (2.0)	71 (2.8)	71 (2.8)	94 (3.7)	116 (4.6)
l ₃	40 (1.6)	55 (2.2)	70 (2.8)	75 (3.0)	95 (3.7)
l ₄	51 (2.0)	68 (2.7)	84 (3.3)	94 (3.7)	120 (4.7)
h ₁	3 (0.1)	4 (0.2)	4 (0.2)	5 (0.2)	5 (0.2)
h ₂	15 (0.6)	24 (0.9)	24 (0.9)	30 (0.2)	24 (0.9)
N	4	4	4	4	8
Weight (N)	15	65	70	140	260

1. Ød7 = maximum allowable valve stem diameter
2. Ødx = maximum allowable diameter as prescribed by stem keyway (if applicable)
3. Note: All units in mm (in) unless otherwise stated

Coupling Block Type B8



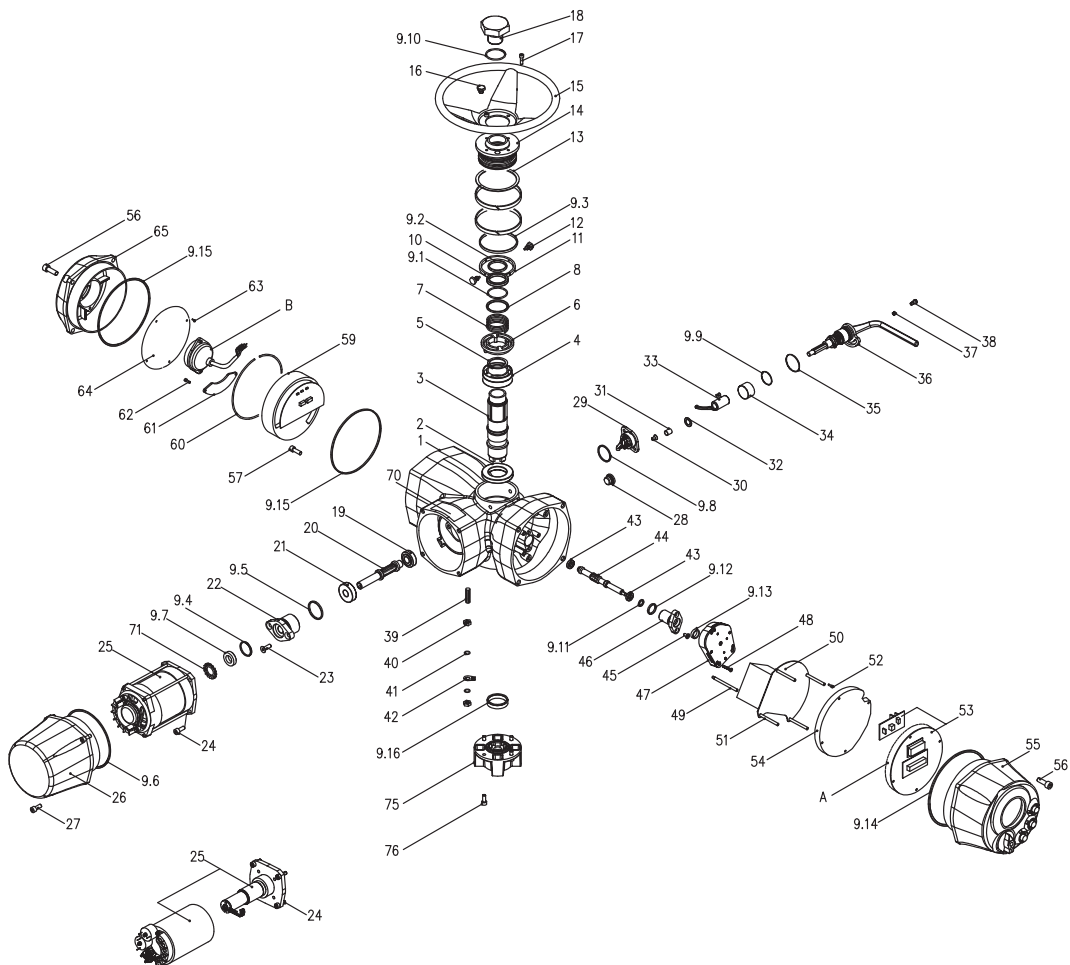
Item	Qty	Description	Material	Part Number	Spare
1	1	Thrust Block	Cast Iron	3800100400	
2	1	Seal Locking Ring	Carbon Steel	3800100410	
3	1	Bush	Carbon Steel	3800102450	
4	4	Screw	Stainless Steel	8058212000	
5	1	O-Ring	NBR	8092141000	X
6	2	Thrust Bearing Washer	Alloy Steel	8411045000	
7	1	Q-Ring	NBR	8800914133	X
8	1	Greaser	Carbon Steel	8870120000	

Spare Parts List

XTE3000 Spare Parts List

Item	Qty	Description	Material	Item	Qty	Description	Material	Item	Qty	Description	Material
1	1	Housing	Aluminum	15	1	Handwheel	Carbon Steel	43	2	Bearing	Carbon Steel
2	1	Lower Bearing	Carbon Steel	16	1	Oil Plug	Carbon Steel	44	1	Position Sensor Shaft	Brass
3	1	Hollow Shaft	Carbon Steel	17	4	Screw	Carbon Steel	45	2	Screw	Stainless Steel
4	1	Worm Wheel	Bronze	18	1	Stem Protection Tube	Carbon Steel	46	1	Position Sensor Flange	Aluminum
5	1	Circlip	Carbon Steel	19	1	Taper Bearing	Carbon Steel	47	1	Position Sensor Assembly *	--
6	1	Driver Sleeve	Cast iron	20	1	Worm Shaft	Alloy Steel	48	3	Screw	Stainless Steel
7	1	Driver Sleeve Spring	Carbon Steel	21	1	Taper Bearing	Carbon Steel	49	4	Column	Stainless Steel
8	1	Spring Retaining Ring	Carbon Steel	22	1	Worm Shaft Flange	Aluminum	50	1	Power Card *	--
9	1	Seal Kit *	--	23	2	Screw	Carbon Steel	51	4	Column	Stainless Steel
9.1	1	O-Ring *	FPM Rubber	24	4	Screw	Carbon Steel	52	4	Screw	Stainless Steel
9.2	1	Seal Ring *	NBR Rubber	25	1	Electric Motor Assembly *	--	53	1	Processor Card *	--
9.3	1	Q-Ring *	NBR Rubber	26	1	Motor Cover	Aluminum	54	1	Power Card Cover	Nylon
9.4	1	O-Ring *	NBR Rubber	27	4	Screw	Stainless Steel	55	1	Local Interface Assembly	--
9.5	1	O-Ring *	NBR Rubber	28	1	Oil Plug	--	56	8	Screw	Stainless Steel
9.6	1	O-Ring *	NBR Rubber	29	1	Finger Assembly *	--	57	1	Screw	Stainless Steel
9.7	1	Seal Ring *	PTFE	30	2	Screw	Stainless Steel				
9.8	1	O-Ring *	NBR Rubber								

General Model Overview



Wiring Diagram Code

Data applicable to the XTE3000 multi-turn actuator

Coding Chart		Part Number	W	D	8	5	V	T	B	Y1	Y2
XTE3000 Multi-Turn Actuator											
Control Type & Motor Duty							V				
Short-time duty (S2-15') or Positioning / Inching duty (S4-25% 60 St/h) + Local CONTROL							A				
Short-time duty (S2-15') or Positioning / Inching duty (S4-25% 60 St/h) + Local CONTROL + 4-20 mA OUT							B				
Short-time duty (S2-15') or Positioning / Inching duty (S4-25% 60 St/h) + Local CONTROL + 4-20 mA IN/OUT							C				
Short-time duty (S2-30') + Local CONTROL							A				
Short-time duty (S2-30') + Local CONTROL + 4-20 mA OUT							B				
Short-time duty (S2-30') + Local CONTROL + 4-20 mA IN/OUT							C				
Modulating (S4-25%) 600 St/h) + Local CONTROL							A				
Modulating (S4-25%) 600 St/h) + Local CONTROL + 4-20 mA OUT							B				
Modulating (S4-25%) 600 St/h) + Local CONTROL + 4-20 mA IN/OUT							C				
Modulating (S4-50%) 1200 St/h) + Local CONTROL							N				
Modulating (S4-50%) 1200 St/h) + Local CONTROL + 4-20 mA IN/OUT							M				
Motor Power Supply								T			
Direct Current								C			
Single-Phase								M			
Three-Phase								T			
Options									B		
Hard-wired (base)									0		
LonWorks									A		
Profibus DP V1/V2									G		
Profibus DP V1/V2 redundant									K		
Modbus redundant									V		
Foundation Fieldbus									N		
HART									H		
Accessories/Special Variations										Y1	Y2
Hard-wired (base)										0	0
Externally-powered heater 230V/50Hz										H	1

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