

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 and 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 highly resistant to corrosion, with few joints.		
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 selector with local, remote, and off 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 Warming, Electronic Nameplate, Timer, Double Displays.		
Lubrication	Lubricated in a hydraulic oil bath for the entire duration of the actuator's service life.		
Manual Operation	Handwheel and lockable engagement lever, painted black, with automatic de-clutch when the motor starts; the handwheel will not rotate during the electric operation.		
Torque and Position sensor	High-precision and high-resolution torque sensor. Torque detection is based on motor torque vs. speed characteristics, voltage and temperature compensated. Position sensors based on 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.		
Bypass Torque	Torque intervention bypass time function allows the actuator to output its maximum torque at the beginning of the stroke, with a bypass time configurable from 0% to 20%.		
Diagnostics	Data logger, warnings and alarm diagnostic messages available on local display or remotely transmitted, for high efficiency preventive maintenance programs and actuator status control. Instantaneous and historical data available.		
2_Speed_Timer	Software routine to extend the actuator travelling time in opening and/or in closing direction.		
Monitor Relay	One (1) contact signal to indicate when the actuator is not available for remote control due to one or more of the ALARM conditions.		
Remote Output Contacts	Eight (8) voltage-free latching contacts are available for remote indication.		
Terminal Board	Double-sealed for maximum protection.		
Heater	Included		
Paint Finish	Type	Procedure	Typical Environments
	Standard	Corrosion category protection C4 (EN12944-2) Highly 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.		
Cable Entry Points	Standard	NPT	nr 2 x 1" nr 1 x 1 1/2"
	Option	NPT	nr 2 x 3/4"

Controls

Local Controls	A padlock-able LOCAL/OFF/REMOTE selector switch and OPEN/STOP/CLOSE push-buttons are included for local control of the valve.	
LEDs	<p>LED colours:</p> <p>green = open / opening</p> <p>red = close / closing</p> <p>yellow = alarm / warning</p> <p>blue = Bluetooth port active</p> <p>LED colours can be easily changed via the local control interface.</p>	
Bluetooth	Bluetooth port included for easy wireless configuration, diagnostics, and control via a PC with Emerson DCMLink software.	
Remote Control	<p>4 wires (OP, CL, Stop, C/latched)</p> <p>3 wires (OP, CL, C/push-to-run or latched with instant reverse)</p> <p>2 wires (NO contact to open or reverse)</p>	
Control Voltage/Control Inputs	24 V DC, internal supply not regulated max 4 W	20 to 125 V DC, external supply 20 to 120 V AC, external supply max 25 mA
Remote Output Contacts	<p>Status</p> <p>Open limit</p> <p>Closed limit</p> <p>Position >=xx %</p> <p>Position <=xx %</p> <p>Closing</p> <p>Opening</p> <p>Motor running blinker</p> <p>Mid-travel position</p> <p>Local selected</p> <p>Remote selected</p> <p>Local stop active</p> <p>ESD signal on</p> <p>Manual operation</p>	<p>Alarms</p> <p>Motor over-temperature</p> <p>Over-torque over torque in OP</p> <p>Over-torque in CL</p> <p>Valve jammed in OP</p> <p>Valve jammed in CL</p> <p>Valve jammed</p> <p>Warnings</p> <p>Low lithium battery (if present)</p> <p>Mid-travel alarm in CL/OP</p> <p>Mains-only AS8</p>
Interlock Controls	Two interlock inputs are available to inhibit actuator movement in open or closed direction	
Emergency Shutdown (ESD)	Emergency shut-down (ESD) command makes the actuator perform the relevant programmed action (requires power supply)	
Emergency Shutdown (ESD)	<p>Selector in LOCAL</p> <p>Selector in OFF</p> <p>Motor temperature alarm</p> <p>Local STOP pushbutton</p> <p>Torque alarm</p>	<p>2 speed timer</p> <p>Stay put</p> <p>Move to open position</p> <p>Move to close position</p> <p>Move to preset position</p>
Monitor Relay	<p>Loss of power</p> <p>Loss of one phase</p> <p>Electrical contactor failure</p> <p>Local stop activated</p> <p>Local selector switch in LOCAL/OFF</p> <p>Internal temperature alarm</p> <p>Position sensor</p> <p>Hardware error</p>	<p>Motor temperature alarm</p> <p>Torque alarm</p> <p>Jammed valve</p> <p>Mid-travel alarm</p> <p>Speed sensor configuration error</p> <p>Manual operation</p> <p>ESD signal</p> <p>Low battery</p>
Intelligent Protection	<p>Automatic phase correction</p> <p>Phase failure correction</p> <p>Motor thermostat</p> <p>Jammed valve protection</p> <p>Anti-hammer protection</p> <p>Instantaneous reversal protection</p>	<p>Warnings</p> <p>Contactor failure</p> <p>Maximum torque alarm</p> <p>Torque alarm bypass</p> <p>High/low electronic temperature</p> <p>Opto-coupled remote controls</p>

Upper Display	LCD numeric 3 ½ digit shows the current valve position as a percentage	
Lower Display	OLED graphic 128 x 64 dots (yellow monochromatic)	
Multiple Languages	Possible to choose from the following languages: English, Italian, German, French, Portuguese, Spanish, Russian, Turkish, Norwegian	
Battery	Option A [9V lithium battery included]	- Local position display active (LCD 3 1/2 digit) - Real-time clock (Back-up) - 4-20 mA positioner and relays active Above functionality is also available when MAIN POWER SUPPLY OFF
	Option B [No Battery]	- Local position display active (LCD 3 1/2 digit) - Real-time clock - 4-20 mA positioner and Relays active Above functionality is available only when MAIN POWER SUPPLY ON

Standards and Directives

Products have been certified in accordance with the following directives:

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

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 2.0 g 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 2.0 g peak acceleration. Verification of structural integrity at 5 g. 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 EN ISO 1680. Noise level is less than 65 dB (grade A) at 1 m 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 of Actuators

Power Supply Three-Phase AC

Open-Close | Inching Duty

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

Voltage/frequency	220	230	240	380	400	415				AC	Volt
	50	50	50	50	50	50					Hz
	280	440	460	480						AC	Volt
	60	60	60	60							Hz
Special Voltage/frequency		440			500	660	690			AC	Volt
		50			50	50	50				Hz
	208	220		380	400			575		AC	Volt
	60	60		60	60			60			Hz
Type of Duty	Standard		S2-15' S4-25%, 60 St/h Class A and B according to EN15714-2								
	In accordance with IEC 60034_1										
Insulation Class	Standard			Class H							

Table A

Short time duty | Intermittent duty

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

	Waterproof	IIB	IIC	FM-US						FM-C											
				Div	IIB	IIC	IIB	IIC	IIB	IIC											
3ph	IP66 / IP68 EN60529 NEMA 250 4, 4X, 6	II 2 GD - Ex db h IIB T4 Gb - Ex h tb IIC T135 C Db IECEX - Ex db h IIB T4 Gb - Ex h tb IIC T135 C Db INMETRO - Ex db IIB T4 Gb - Ex h tb IIC T135 C Db KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIC T135 C Db EAC - 1Ex d IIB T4 Gb X - Ex tb IIC T135 C Db	II 2 GD - Ex db h IIC T4 Gb - Ex h tb IIC T135 C Db IECEX - Ex db h IIC T4 Gb - Ex h tb IIC T135 C Db INMETRO - Ex db IIC T4 Gb - Ex h tb IIC T135 C Db CCOE - Ex db h IIC T4 Gb - Ex h tb IIC T135 C Db EAC - 1Ex d IIC T4 Gb X - Ex tb IIC T135 C Db	FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4	FM - Cl. I, Zn 1, AEx db IIB Gb T4	FM - Cl. I, Zn 1, AEx db IIC Gb T4	FM - Ex db IIB Gb T4	FM - Ex db IIC Gb T4													
Temperature range (°C)																					
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax
XTE_010	-20	-60	85	-20	-60	85	-20	-60	85	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	85	-20	-60	85	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_030	-20	-60	85	-20	-55	85				-20	-25	70	-20	-50	70				-20	-50	70
XTE_040	-20	-60	85	-20	-55	85				-20	-25	70	-20	-50	70				-20	-50	70
XTE_050	-20	-60	85	-20	-55	85				-20	-25	70	-20	-50	70				-20	-50	70

Power Supply Three-Phase AC

Open-Close

S2-30'

Voltage/frequency	220	230	240	380	400	415				AC	Volt
	50	50	50	50	50	50					Hz
	280	440	460	480						AC	Volt
	60	60	60	60							Hz
Special Voltage/frequency		440				660				AC	Volt
		50				50					Hz
					400					AC	Volt
					60						Hz
Type of Duty	Standard		S2-30'		Class A and B according to EN15714-2						
	In accordance with IEC 60034_1										
Insulation Class	Standard			Class H							

Table B

Short time duty

S2-30'

	Waterproof	IIB	IIC	FM-US						FM-C											
				Div	IIB	IIC	IIB	IIC	IIB	IIC											
3ph	IP66 / IP68 EN60529 NEMA 250 4, 4X, 6	II 2 GD - Ex db h IIB T4 Gb - Ex h tb IIC T135 C Db IECEx - Ex db h IIB T4 Gb - Ex h tb IIC T135 C Db INMETRO - Ex db IIB T4 Gb - Ex tb IIC T135 C Db KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIC T135 C Db EAC - 1Ex d IIB T4 Gb X - Ex tb IIC T135 C Db	II 2 GD - Ex db h IIC T4 Gb - Ex h tb IIC T135 C Db IECEx - Ex db h IIC T4 Gb - Ex h tb IIC T135 C Db INMETRO - Ex db IIC T4 Gb - Ex tb IIC T135 C Db CCOE - Ex db h IIC T4 Gb - Ex h tb IIC T135 C Db EAC - 1Ex d IIC T4 Gb X - Ex tb IIC T135 C Db	FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4	FM - Cl. I, Zn 1, AEx db IIB Gb T4	FM - Cl. I, Zn 1, AEx db IIC Gb T4	FM - Ex db IIB Gb T4	FM - Ex db IIC Gb T4													
Temperature range (°C)																					
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax
XTE_010	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_030	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70
XTE_040	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70
XTE_050	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70

Power Supply Three-Phase AC

Inching Duty

S4-25% 600 St/h

Voltage/frequency	220	230	240	380	400	415				AC	Volt
	50	50	50	50	50	50					Hz
	280	440	460	480						AC	Volt
	60	60	60	60							Hz
Special Voltage/frequency		440				660				AC	Volt
		50				50					Hz
					400					AC	Volt
					60						Hz
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							

Table C

Intermittent Duty

S4-25%, 600 St/h

	Waterproof	IIB	IIC	FM-US						FM-C											
				Div	IIB	IIC	IIB	IIC													
3ph	IP66 / IP68 EN60529 NEMA 250 4, 4X, 6	II 2 GD - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db IECEX - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIB T4 Gb - Ex tb IIIC T135 C Db KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIB T4 Gb X - Ex tb IIIC T135 C Db	II 2 GD - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db IECEX - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIC T4 Gb - Ex tb IIIC T135 C Db CCOE - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIC T4 Gb X - Ex tb IIIC T135 C Db	FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4	FM - Cl. I, Zn 1, AEx db IIB Gb T4	FM - Cl. I, Zn 1, AEx db IIC Gb T4	FM - Ex db IIB Gb T4	FM - Ex db IIC Gb T4													
Temperature range (°C)																					
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax
XTE_010	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_030	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70
XTE_040	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70
XTE_050	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70

Power Supply Three-Phase AC

Modulating Duty
S4-50% 1200 St/h

Voltage/frequency	220	230	240	380	400	415				AC	Volt
	50	50	50	50	50	50					Hz
	280	440	460	480						AC	Volt
	60	60	60	60							Hz
Special Voltage/frequency		440								AC	Volt
		50									Hz
					400					AC	Volt
					60						Hz
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							

Table D

Modulating duty
S4-50%, 1200 St/h

	Waterproof	IIB	IIC	FM-US						FM-C											
				Div	IIB	IIC	IIB	IIC	IIB	IIC											
3ph	IP66 / IP68 EN60529 NEMA 250 4, 4X, 6	II 2 GD - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db IECEx - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIB T4 Gb - Ex tb IIIC T135 C Db KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIB T4 Gb X - Ex tb IIIC T135 C Db	II 2 GD - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db IECEx - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIC T4 Gb - Ex tb IIIC T135 C Db CCOE - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIC T4 Gb X - Ex tb IIIC T135 C Db	FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4	FM - Cl. I, Zn 1, AEx db IIB Gb T4	FM - Cl. I, Zn 1, AEx db IIC Gb T4	FM - Ex db IIB Gb T4	FM - Ex db IIC Gb T4													
Temperature range (°C)																					
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax
XTE_010	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_030	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70
XTE_040	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70
XTE_050	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70

Power Supply Single-Phase AC

Open-Close | Inching Duty

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

Voltage/frequency	220	230								AC	Volt
	50	50									Hz
	240									AC	Volt
	60										Hz
Special Voltage/frequency	110	115								AC	Volt
	50	50									Hz
	120									AC	Volt
	60										Hz
Type of Duty	Standard		S2-15' S4-25%, 60 St/h, Class A and B according to EN15714-2								
	In accordance with IEC 60034_1										
Insulation Class	Standard		Class H								

Table E

Short time duty | Intermittent duty

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

	Waterproof	IIB	IIC	FM-US						FM-C											
				Div		IIB		IIC		IIB		IIC									
1ph	IP66 / IP68 EN60529 NEMA 250 4, 4X, 6	II 2 GD - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db IECEX - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIB T4 Gb - Ex tb IIIC T135 C Db KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIB T4 Gb X - Ex tb IIIC T135 C Db	II 2 GD - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db IECEX - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIC T4 Gb - Ex tb IIIC T135 C Db CCOE - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIC T4 Gb X - Ex tb IIIC T135 C Db	FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4						FM - Cl. I, Zn 1, AEx db IIB Gb T4											
Temperature range (°C)																					
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax
XTE_010	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_030	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70

Power Supply Single-Phase AC

Modulating Duty
S4-50% 1200 St/h

Voltage/frequency	220	230								AC	Volt
	50	50									Hz
	240									AC	Volt
	60										Hz
Special Voltage/frequency	110	115								AC	Volt
	50	50									Hz
	120									AC	Volt
	60										Hz
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								

Table F

Modulating duty
S4-50%, 1200 St/h

	Waterproof	IIB	IIC	FM-US						FM-C											
				Div		IIB		IIC		IIB		IIC									
1ph	IP66 / IP68 EN60529 NEMA 250-4, 4X, 6	II 2 GD - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db IECEX - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIB T4 Gb - Ex tb IIIC T135 C Db KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIB T4 Gb X - Ex tb IIIC T135 C Db	II 2 GD - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db IECEX - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db INMETRO - Ex db IIC T4 Gb - Ex tb IIIC T135 C Db CCOE - Ex db h IIC T4 Gb - Ex h tb IIIC T135 C Db EAC - 1Ex d IIC T4 Gb X - Ex tb IIIC T135 C Db	FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4						FM - Cl. I, Zn 1, AEx db IIB Gb T4											
Temperature range (°C)																					
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax
XTE_010	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	65	-20	-60	65	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_030	-20	-60	85	-20	-55	65				-20	-25	70	-20	-50	70				-20	-50	70

Power Supply Direct Current

Inching Duty

S4-25% 600 St/h

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								

Table G

Short Time Duty | Intermittent Duty

S2-15' | S4-25%, 60 St/h | S4-25%, 600 St/h

	Waterproof	IIB			IIC			FM-US						FM-C										
								Div	IIB			IIC			IIB			IIC						
DC	IP66 / IP68 ENG0529 NEMA 250 4, 4X, 6	I12 GD - Ex db h IIB T4 Gb - Ex h tb IIC T135 CDb IECEX - Ex db h IIB T4 Gb - Ex h tb IIC T135 CDb INMETRO - Ex db IIB T4 Gb - Ex tb IIC T135 CDb KOSHA - Ex d IIB T4 Gb CCOE - Ex db h IIB T4 Gb - Ex h tb IIC T135 CDb EAC - 1 Ex d IIB T4 Gb X - Ex tb IIC T135 CDb			I12 GD - Ex db h IIC T4 Gb - Ex h tb IIC T135 CDb IECEX - Ex db h IIC T4 Gb - Ex h tb IIC T135 CDb INMETRO - Ex db IIC T4 Gb - Ex tb IIC T135 CDb CCOE - Ex db h IIC T4 Gb - Ex h tb IIC T135 CDb EAC - 1 Ex d IIC T4 Gb X - Ex tb IIC T135 CDb			FM - Cl. I, Div. 1 Grp C and D T4A/T4; Cl. II, Div. 1/2 Grp E, F and G T4A/T4; Cl. III, Div. 1/2 T4A/T4	FM - Cl. I, Zn 1, AEx db IIB Gb T4			FM - Cl. I, Zn 1, AEx db IIC Gb T4			FM - Ex db IIB Gb T4			FM - Ex db IIC Gb T4						
Temperature range (°C)																								
	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax	Tmin (STD)	Tmin	Tmax			
XTE_010	-20	-60	85	-20	-60	+65 or +85	-20	-60	+65 or +85	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70	-20	-50	70
XTE_020	-20	-60	85	-20	-60	+65 or +85	-20	-60	+65 or +85	-20	-40	70	-20	-50	70	-20	-50	70	-20	-50	70	-20	-50	70

Technical Data

Actuator model description is defined by the following coding:

XTE	xx	yyyy -	zzz
Type	Size	Torque	Speed

XTE	3000	Product family	
Size	010/020/030/040/050	Model size	
Torque	30/90/180/360/720/1440	Output nominal torque	Nm
Speed	12/18/24/36/48/72/144 (50 Hz)	Output speed	RPM
	14/22/29/43/58/86/173 (60 Hz)		
Model Description Example	XTE_010/90-24		

Technical Data for Multi-Turn Actuators Power Supply Three-Phase AC

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

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type								
	Nm (lb.ft)											Hz
	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 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. 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⁾			Operating Speed [RPM]/Motor Type								
	Nm (lb.ft)											Hz
	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 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 for Multi-Turn Actuators Power Supply Three-Phase AC

Modulating Duty

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

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type								
	Nm (lb.ft)											Hz
	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 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.

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

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type								
	Nm (lb.ft)											Hz
	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 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 for Multi-Turn Actuators Power Supply Single-Phase AC

Open-Close Duty

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

Power Supply 220-230-240 V/50-60 Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
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	172	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 110-115-120 V/50-60 Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
XTE 010	12 (9)	30 (22)	45 (33)	8	17	TM11
XTE 010	12 (9)	30 (22)	45 (33)	18	62	TM14
XTE 010	12 (9)	30 (22)	45 (33)	63	94	TM15
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
XTE 010	36 (27)	90 (66)	135 (100)	24	40	TM14
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 (S4-5% - 1200St/h)

Power Supply 220-230-240 V/50-60 Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
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	172	TM16
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
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 110-115-120 V/50-60 Hz

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
XTE 010	12 (9)	30 (22)	45 (33)	8	17	TM11
XTE 010	12 (9)	30 (22)	45 (33)	18	62	TM14
XTE 010	12 (9)	30 (22)	45 (33)	63	94	TM15
XTE 010	36 (27)	90 (66)	135 (100)	6	23	TM13
XTE 010	36 (27)	90 (66)	135 (100)	24	40	TM14
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 for Multi-turn Actuators Power Supply Direct Current

Modulating Duty

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

Power Supply 24 V DC

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
XTE 010	12 (9)	30 (22)	45 (33)	12	29	DM05d
XTE 010	12 (9)	30 (22)	45 (33)	30	60	DM05d
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 48 V DC

Type	Torque Range ⁽⁴⁾			Operating speed [RPM]/Motor type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
XTE 010	12 (9)	30 (22)	45 (33)	12	29	DM05d
XTE 010	12 (9)	30 (22)	45 (33)	30	60	DM05d
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 110 V DC

Type	Torque Range ⁽⁴⁾			Operating Speed [RPM]/Motor Type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
XTE 010	12 (9)	30 (22)	45 (33)	12	29	DM05d
XTE 010	12 (9)	30 (22)	45 (33)	30	80	DM05d
XTE 010	36 (27)	90 (66)	135 (100)	20	40	DM05
XTE 010	36 (27)	90 (66)	135 (100)	55	70	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 120 V DC

Type	Torque Range ⁽⁴⁾			Operating speed [RPM]/Motor type		
	Nm (lb.ft)			from	to	
	min	nom.	max			
XTE 010	12 (9)	30 (22)	45 (33)	12	29	DM05d
XTE 010	12 (9)	30 (22)	45 (33)	30	80	DM05d
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') | Inching Duty (S4-25% | 60 St/h)

3-ph 220 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.8	0.9	1.1	0.46	0.14	0.19	23.10
XTE_010/30-18	18	SM01	40	0.05	0.07	0.8	1.0	1.4	0.42	0.13	0.17	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.30
XTE_010/30-36	36	SM11	20	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.90
XTE_010/30-48	48	SM04	20	0.15	0.19	2.4	4.3	5.0	0.47	0.43	0.58	33.80
XTE_010/30-72	72	SM05	20	0.22	0.29	2.2	4.6	7.8	0.56	0.47	0.63	46.30
XTE_010/30-144	144	SM06	20	0.43	0.58	3.1	4.5	10.8	0.71	0.84	1.12	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.30
XTE_010/90-18	18	SM11	40	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.90
XTE_010/90-24	24	SM12	20	0.12	0.17	3.5	3.7	5.0	0.46	0.61	0.82	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	3.6	4.6	6.3	0.41	0.56	0.75	32.90
XTE_010/90-48	48	SM14	20	0.29	0.39	3.1	3.7	9.2	0.46	0.54	0.73	53.00
XTE_010/90-72	72	SM15	20	0.37	0.49	3.8	5.3	13.3	0.55	0.80	1.07	45.90
XTE_010/90-144	144	SM16	20	0.74	0.99	5.1	8.5	22.6	0.67	1.30	1.74	57.00
XTE_020/180-18	18	SM13	40	0.19	0.25	3.6	4.6	6.3	0.41	0.56	0.75	32.90
XTE_020/180-24	24	SM14	40	0.29	0.39	3.1	3.7	9.2	0.46	0.54	0.73	53.00
XTE_020/180-36	36	SM15	40	0.37	0.49	3.8	5.3	13.3	0.55	0.80	1.07	45.90
XTE_020/180-48	48	SM21	20	0.53	0.71	5.1	8.5	14.1	0.43	0.84	1.12	63.40
XTE_020/180-72	72	SM22	20	0.78	1.05	5.6	11.0	21.0	0.61	1.30	1.74	60.20
XTE_020/180-144	144	SM23	20	1.48	1.98	9.3	15.1	42.4	0.67	2.37	3.18	62.30
XTE_030/360-12	12	SM21	80	0.53	0.71	5.1	8.5	14.1	0.43	0.84	1.12	63.40
XTE_030/360-18	18	SM32	40	0.50	0.67	5.6	7.3	15.1	0.39	0.83	1.12	60.20
XTE_030/360-24	24	SM21	40	0.53	0.71	5.1	8.5	14.1	0.43	0.84	1.12	63.40
XTE_030/360-48	48	SM30	20	1.13	1.51	10.9	18.3	32.6	0.43	1.79	2.39	63.10
XTE_030/360-72	72	SM23	40	1.48	1.98	9.3	15.1	42.4	0.67	2.37	3.18	62.30
XTE_030/360-144	144	SM31	20	3.38	4.53	15.5	31.8	90.8	0.68	4.02	5.38	84.20
XTE_040/720-12	12	SM30	80	1.13	1.51	10.9	18.3	32.6	0.43	1.79	2.39	63.10
XTE_040/720-18	18	SM44	40	0.84	1.12	7.8	13.2	21.6	0.39	1.16	1.55	72.40
XTE_040/720-24	24	SM30	40	1.13	1.51	10.9	18.3	32.6	0.43	1.79	2.39	63.10
XTE_040/720-36	36	SM40	40	1.69	2.26	10.9	21.7	50.9	0.67	2.78	3.73	60.60
XTE_040/720-48	48	SM41	20	1.95	2.61	13.3	27.0	44.9	0.49	2.48	3.33	78.50
XTE_040/720-72	72	SM31	40	3.38	4.53	15.5	31.8	90.8	0.68	4.02	5.38	84.20
XTE_040/720-144	144	SM42	20	5.82	7.80	27.8	56.4	141.4	0.73	7.73	10.36	75.30
XTE_050/1440-12	12	SM41	80	1.95	2.61	13.3	27.0	44.9	0.49	2.48	3.33	78.50
XTE_050/1440-18	18	SM40	80	1.69	2.26	10.9	21.7	50.9	0.67	2.78	3.73	60.60
XTE_050/1440-24	24	SM41	40	1.95	2.61	13.3	27.0	44.9	0.49	2.48	3.33	78.50
XTE_050/1440-36	36	SM43	40	2.89	3.87	16.2	31.8	74.0	0.56	3.46	4.63	83.60
XTE_050/1440-48	48	SM50	20	3.88	5.20	19.8	36.1	114.0	0.61	4.60	6.17	84.30
XTE_050/1440-72	72	SM42	40	5.82	7.80	27.8	56.4	141.4	0.73	7.73	10.36	75.30
XTE_050/1440-144	144	SM51	20	11.66	15.62	48.9	106.9	325.2	0.71	13.23	17.73	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 230 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.7	0.8	1.1	0.46	0.13	0.17	23.10
XTE_010/30-18	18	SM01	40	0.05	0.07	0.8	1.0	1.5	0.42	0.13	0.18	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	2.4	3.0	4.5	0.43	0.41	0.55	17.30
XTE_010/30-36	36	SM11	20	0.11	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.90
XTE_010/30-48	48	SM04	20	0.15	0.20	2.3	4.2	5.2	0.47	0.43	0.58	33.80
XTE_010/30-72	72	SM05	20	0.22	0.29	2.1	4.5	8.2	0.56	0.47	0.63	46.30
XTE_010/30-144	144	SM06	20	0.44	0.58	3.0	4.4	11.3	0.71	0.85	1.14	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	2.4	3.0	4.5	0.43	0.41	0.55	17.30
XTE_010/90-18	18	SM11	40	0.11	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	3.3	3.7	5.2	0.46	0.60	0.81	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.90
XTE_010/90-48	48	SM14	20	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	53.00
XTE_010/90-72	72	SM15	20	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.90
XTE_010/90-144	144	SM16	20	0.74	0.99	4.9	8.4	23.7	0.67	1.31	1.75	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.90
XTE_020/180-24	24	SM14	40	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	53.00
XTE_020/180-36	36	SM15	40	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.90
XTE_020/180-48	48	SM21	20	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.40
XTE_020/180-72	72	SM22	20	0.79	1.06	5.4	10.8	21.9	0.61	1.31	1.76	60.20
XTE_020/180-144	144	SM23	20	1.48	1.98	8.9	14.8	44.4	0.67	2.38	3.18	62.30
XTE_030/360-12	12	SM21	80	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	5.4	7.1	15.8	0.39	0.84	1.12	60.20
XTE_030/360-24	24	SM21	40	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.40
XTE_030/360-48	48	SM30	20	1.12	1.51	10.4	17.9	34.1	0.43	1.78	2.39	63.10
XTE_030/360-72	72	SM23	40	1.48	1.98	8.9	14.8	44.4	0.67	2.38	3.18	62.30
XTE_030/360-144	144	SM31	20	3.38	4.52	14.8	31.1	95.0	0.68	4.01	5.37	84.20
XTE_040/720-12	12	SM30	80	1.12	1.51	10.4	17.9	34.1	0.43	1.78	2.39	63.10
XTE_040/720-18	18	SM44	40	0.84	1.13	7.5	12.9	22.6	0.39	1.17	1.56	72.40
XTE_040/720-24	24	SM30	40	1.12	1.51	10.4	17.9	34.1	0.43	1.78	2.39	63.10
XTE_040/720-36	36	SM40	40	1.68	2.25	10.4	21.2	53.2	0.67	2.78	3.72	60.60
XTE_040/720-48	48	SM41	20	1.95	2.61	12.7	26.4	47.0	0.49	2.48	3.32	78.50
XTE_040/720-72	72	SM31	40	3.38	4.52	14.8	31.1	95.0	0.68	4.01	5.37	84.20
XTE_040/720-144	144	SM42	20	5.82	7.81	26.6	55.1	147.8	0.73	7.74	10.37	75.30
XTE_050/1440-12	12	SM41	80	1.95	2.61	12.7	26.4	47.0	0.49	2.48	3.32	78.50
XTE_050/1440-18	18	SM40	80	1.68	2.25	10.4	21.2	53.2	0.67	2.78	3.72	60.60
XTE_050/1440-24	24	SM41	40	1.95	2.61	12.7	26.4	47.0	0.49	2.48	3.32	78.50
XTE_050/1440-36	36	SM43	40	2.89	3.87	15.5	31.1	77.4	0.56	3.46	4.63	83.60
XTE_050/1440-48	48	SM50	20	3.89	5.22	19.0	35.3	119.1	0.61	4.62	6.19	84.30
XTE_050/1440-72	72	SM42	40	5.82	7.81	26.6	55.1	147.8	0.73	7.74	10.37	75.30
XTE_050/1440-144	144	SM51	20	11.66	15.63	46.8	104.5	340.0	0.71	13.24	17.74	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 240 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.7	0.8	1.2	0.46	0.13	0.18	23.10
XTE_010/30-18	18	SM01	40	0.05	0.06	0.7	0.9	1.5	0.42	0.12	0.16	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.30
XTE_010/30-36	36	SM11	20	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.90
XTE_010/30-48	48	SM04	20	0.15	0.19	2.2	4.1	5.4	0.47	0.43	0.58	33.80
XTE_010/30-72	72	SM05	20	0.22	0.29	2.0	4.4	8.5	0.56	0.47	0.62	46.30
XTE_010/30-144	144	SM06	20	0.42	0.57	2.8	4.3	11.8	0.71	0.83	1.11	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.30
XTE_010/90-18	18	SM11	40	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.90
XTE_010/90-24	24	SM12	20	0.12	0.17	3.2	3.6	5.4	0.46	0.61	0.82	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	3.3	4.4	6.9	0.41	0.56	0.75	32.90
XTE_010/90-48	48	SM14	20	0.28	0.38	2.8	3.6	10.0	0.46	0.54	0.72	53.00
XTE_010/90-72	72	SM15	20	0.37	0.49	3.5	5.1	14.5	0.55	0.80	1.07	45.90
XTE_010/90-144	144	SM16	20	0.74	0.99	4.7	8.2	24.7	0.67	1.31	1.75	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	3.3	4.4	6.9	0.41	0.56	0.75	32.90
XTE_020/180-24	24	SM14	40	0.28	0.38	2.8	3.6	10.0	0.46	0.54	0.72	53.00
XTE_020/180-36	36	SM15	40	0.37	0.49	3.5	5.1	14.5	0.55	0.80	1.07	45.90
XTE_020/180-48	48	SM21	20	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	63.40
XTE_020/180-72	72	SM22	20	0.79	1.06	5.2	10.6	22.9	0.61	1.32	1.77	60.20
XTE_020/180-144	144	SM23	20	1.47	1.98	8.5	14.5	46.3	0.67	2.37	3.17	62.30
XTE_030/360-12	12	SM21	80	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	5.2	7.0	16.5	0.39	0.84	1.13	60.20
XTE_030/360-24	24	SM21	40	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	63.40
XTE_030/360-48	48	SM30	20	1.13	1.51	10.0	17.5	35.6	0.43	1.79	2.40	63.10
XTE_030/360-72	72	SM23	40	1.47	1.98	8.5	14.5	46.3	0.67	2.37	3.17	62.30
XTE_030/360-144	144	SM31	20	3.38	4.53	14.2	30.5	99.1	0.68	4.01	5.38	84.20
XTE_040/720-12	12	SM30	80	1.13	1.51	10.0	17.5	35.6	0.43	1.79	2.40	63.10
XTE_040/720-18	18	SM44	40	0.85	1.13	7.2	12.6	23.6	0.39	1.17	1.56	72.40
XTE_040/720-24	24	SM30	40	1.13	1.51	10.0	17.5	35.6	0.43	1.79	2.40	63.10
XTE_040/720-36	36	SM40	40	1.69	2.26	10.0	20.8	55.5	0.67	2.79	3.73	60.60
XTE_040/720-48	48	SM41	20	1.95	2.61	12.2	25.9	49.0	0.49	2.49	3.33	78.50
XTE_040/720-72	72	SM31	40	3.38	4.53	14.2	30.5	99.1	0.68	4.01	5.38	84.20
XTE_040/720-144	144	SM42	20	5.83	7.81	25.5	54.0	154.3	0.73	7.74	10.37	75.30
XTE_050/1440-12	12	SM41	80	1.95	2.61	12.2	25.9	49.0	0.49	2.49	3.33	78.50
XTE_050/1440-18	18	SM40	80	1.69	2.26	10.0	20.8	55.5	0.67	2.79	3.73	60.60
XTE_050/1440-24	24	SM41	40	1.95	2.61	12.2	25.9	49.0	0.49	2.49	3.33	78.50
XTE_050/1440-36	36	SM43	40	2.88	3.86	14.8	30.5	80.8	0.56	3.45	4.62	83.60
XTE_050/1440-48	48	SM50	20	3.89	5.21	18.2	34.6	124.3	0.61	4.62	6.18	84.30
XTE_050/1440-72	72	SM42	40	5.83	7.81	25.5	54.0	154.3	0.73	7.74	10.37	75.30
XTE_050/1440-144	144	SM51	20	11.65	15.61	44.8	102.3	354.8	0.71	13.22	17.72	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 380 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.4	0.5	0.6	0.46	0.12	0.16	23.10
XTE_010/30-18	18	SM01	40	0.05	0.07	0.5	0.6	0.8	0.42	0.14	0.19	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.30
XTE_010/30-36	36	SM11	20	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.90
XTE_010/30-72	72	SM05	20	0.22	0.30	1.3	2.7	4.5	0.56	0.48	0.64	46.30
XTE_010/30-144	144	SM06	20	0.43	0.58	1.8	2.6	6.2	0.71	0.84	1.13	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.30
XTE_010/90-18	18	SM11	40	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	2.0	2.2	2.9	0.46	0.61	0.81	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	2.1	2.7	3.6	0.41	0.57	0.76	32.90
XTE_010/90-48	48	SM14	20	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.00
XTE_010/90-72	72	SM15	20	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.90
XTE_010/90-144	144	SM16	20	0.75	1.00	3.0	4.9	12.9	0.67	1.32	1.77	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	2.1	2.7	3.6	0.41	0.57	0.76	32.90
XTE_020/180-24	24	SM14	40	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.00
XTE_020/180-36	36	SM15	40	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.90
XTE_020/180-48	48	SM21	20	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.40
XTE_020/180-72	72	SM22	20	0.80	1.08	3.3	6.4	12.0	0.61	1.32	1.78	60.70
XTE_020/180-144	144	SM23	20	1.48	1.99	5.4	8.7	24.2	0.67	2.38	3.19	62.30
XTE_030/360-12	12	SM21	80	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	3.3	4.2	8.7	0.39	0.84	1.12	61.00
XTE_030/360-24	24	SM21	40	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.40
XTE_030/360-48	48	SM30	20	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.10
XTE_030/360-72	72	SM23	40	1.48	1.99	5.4	8.7	24.2	0.67	2.38	3.19	62.30
XTE_030/360-144	144	SM31	20	3.39	4.54	9.0	18.4	51.9	0.68	4.03	5.40	84.20
XTE_040/720-12	12	SM30	80	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.10
XTE_040/720-18	18	SM44	40	0.84	1.12	4.5	7.6	12.4	0.39	1.15	1.55	72.40
XTE_040/720-24	24	SM30	40	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.10
XTE_040/720-36	36	SM40	40	1.68	2.26	6.3	12.5	29.1	0.67	2.78	3.72	60.60
XTE_040/720-48	48	SM41	20	1.95	2.61	7.7	15.6	25.7	0.49	2.48	3.33	78.50
XTE_040/720-72	72	SM31	40	3.39	4.54	9.0	18.4	51.9	0.68	4.03	5.40	84.20
XTE_040/720-144	144	SM42	20	5.82	7.79	16.1	32.5	80.8	0.73	7.74	10.37	75.20
XTE_050/1440-12	12	SM41	80	1.95	2.61	7.7	15.6	25.7	0.49	2.48	3.33	78.50
XTE_050/1440-18	18	SM40	80	1.68	2.26	6.3	12.5	29.1	0.67	2.78	3.72	60.60
XTE_050/1440-24	24	SM41	40	1.95	2.61	7.7	15.6	25.7	0.49	2.48	3.33	78.50
XTE_050/1440-36	36	SM43	40	2.90	3.88	9.4	18.4	42.3	0.56	3.46	4.64	83.60
XTE_050/1440-48	48	SM50	20	3.89	5.22	11.5	20.8	65.1	0.61	4.62	6.19	84.30
XTE_050/1440-72	72	SM42	40	5.82	7.79	16.1	32.5	80.8	0.73	7.74	10.37	75.20
XTE_050/1440-144	144	SM51	20	11.65	15.61	28.3	61.7	185.7	0.71	13.22	17.72	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 400 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.13	0.17	23.10
XTE_010/30-18	18	SM01	40	0.04	0.06	0.4	0.6	0.9	0.42	0.12	0.16	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.30
XTE_010/30-36	36	SM11	20	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.90
XTE_010/30-48	48	SM04	20	0.14	0.19	1.3	2.4	3.0	0.47	0.42	0.57	33.80
XTE_010/30-72	72	SM05	20	0.22	0.29	1.2	2.6	4.7	0.56	0.47	0.62	46.30
XTE_010/30-144	144	SM06	20	0.43	0.57	1.7	2.5	6.5	0.71	0.84	1.12	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.30
XTE_010/90-18	18	SM11	40	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	1.9	2.1	3.0	0.46	0.61	0.81	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.90
XTE_010/90-48	48	SM14	20	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.00
XTE_010/90-72	72	SM15	20	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.90
XTE_010/90-144	144	SM16	20	0.73	0.98	2.8	4.8	13.6	0.67	1.30	1.74	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.90
XTE_020/180-24	24	SM14	40	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.00
XTE_020/180-36	36	SM15	40	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.90
XTE_020/180-48	48	SM21	20	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.40
XTE_020/180-72	72	SM22	20	0.79	1.06	3.1	6.2	12.6	0.61	1.31	1.76	60.20
XTE_020/180-144	144	SM23	20	1.47	1.98	5.1	8.5	25.5	0.67	2.37	3.17	62.30
XTE_030/360-12	12	SM21	80	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	3.1	4.1	9.1	0.39	0.83	1.11	61.00
XTE_030/360-24	24	SM21	40	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.40
XTE_030/360-48	48	SM30	20	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.10
XTE_030/360-72	72	SM23	40	1.47	1.98	5.1	8.5	25.5	0.67	2.37	3.17	62.30
XTE_030/360-144	144	SM31	20	3.37	4.52	8.5	17.9	54.6	0.68	4.00	5.37	84.20
XTE_040/720-12	12	SM30	80	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.10
XTE_040/720-18	18	SM44	40	0.84	1.13	4.3	7.4	13.0	0.39	1.16	1.55	72.40
XTE_040/720-24	24	SM30	40	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.10
XTE_040/720-36	36	SM40	40	1.69	2.26	6.0	12.2	30.6	0.67	2.79	3.73	60.60
XTE_040/720-48	48	SM41	20	1.95	2.61	7.3	15.2	27.0	0.49	2.48	3.32	78.50
XTE_040/720-72	72	SM31	40	3.37	4.52	8.5	17.9	54.6	0.68	4.00	5.37	84.20
XTE_040/720-144	144	SM42	20	5.83	7.81	15.3	31.7	85.0	0.73	7.74	10.37	75.30
XTE_050/1440-12	12	SM41	80	1.95	2.61	7.3	15.2	27.0	0.49	2.48	3.32	78.50
XTE_050/1440-18	18	SM40	80	1.69	2.26	6.0	12.2	30.6	0.67	2.79	3.73	60.60
XTE_050/1440-24	24	SM41	40	1.95	2.61	7.3	15.2	27.0	0.49	2.48	3.32	78.50
XTE_050/1440-36	36	SM43	40	2.89	3.87	8.9	17.9	44.5	0.56	3.45	4.63	83.60
XTE_050/1440-48	48	SM50	20	3.88	5.20	10.9	20.3	68.5	0.61	4.61	6.17	84.30
XTE_050/1440-72	72	SM42	40	5.83	7.81	15.3	31.7	85.0	0.73	7.74	10.37	75.30
XTE_050/1440-144	144	SM51	20	11.66	15.62	26.9	60.1	195.5	0.71	13.23	17.73	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 415 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.13	0.18	23.10
XTE_010/30-18	18	SM01	40	0.05	0.06	0.4	0.5	0.9	0.42	0.12	0.16	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.30
XTE_010/30-36	36	SM11	20	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.90
XTE_010/30-48	48	SM04	20	0.15	0.20	1.3	2.4	3.1	0.47	0.44	0.59	33.80
XTE_010/30-72	72	SM05	20	0.22	0.30	1.2	2.6	4.9	0.56	0.48	0.65	46.30
XTE_010/30-144	144	SM06	20	0.42	0.56	1.6	2.5	6.7	0.71	0.82	1.09	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.30
XTE_010/90-18	18	SM11	40	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	1.8	2.1	3.1	0.46	0.60	0.80	20.30
XTE_010/90-36	36	SM13	20	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.90
XTE_010/90-48	48	SM14	20	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.00
XTE_010/90-72	72	SM15	20	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.50
XTE_010/90-144	144	SM16	20	0.73	0.98	2.7	4.7	14.1	0.67	1.30	1.74	56.50
XTE_020/180-18	18	SM13	40	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.90
XTE_020/180-24	24	SM14	40	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.00
XTE_020/180-36	36	SM15	40	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.50
XTE_020/180-48	48	SM21	20	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.40
XTE_020/180-72	72	SM22	20	0.79	1.06	3.0	6.1	13.1	0.61	1.32	1.76	60.20
XTE_020/180-144	144	SM23	20	1.47	1.97	4.9	8.3	26.5	0.67	2.36	3.16	62.30
XTE_030/360-12	12	SM21	80	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	3.0	4.0	9.4	0.39	0.83	1.11	61.00
XTE_030/360-24	24	SM21	40	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.40
XTE_030/360-48	48	SM30	20	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.10
XTE_030/360-72	72	SM23	40	1.47	1.97	4.9	8.3	26.5	0.67	2.36	3.16	62.30
XTE_030/360-144	144	SM31	20	3.37	4.52	8.2	17.6	56.7	0.68	4.01	5.37	84.20
XTE_040/720-12	12	SM30	80	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.10
XTE_040/720-18	18	SM44	40	0.84	1.12	4.1	7.3	13.5	0.39	1.15	1.54	73.00
XTE_040/720-24	24	SM30	40	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.10
XTE_040/720-36	36	SM40	40	1.69	2.27	5.8	12.0	31.8	0.67	2.79	3.74	60.60
XTE_040/720-48	48	SM41	20	1.93	2.58	7.0	14.9	28.0	0.49	2.47	3.30	78.20
XTE_040/720-72	72	SM31	40	3.37	4.52	8.2	17.6	56.7	0.68	4.01	5.37	84.20
XTE_040/720-144	144	SM42	20	5.84	7.83	14.8	31.1	88.2	0.73	7.77	10.41	75.20
XTE_050/1440-12	12	SM41	80	1.93	2.58	7.0	14.9	28.0	0.49	2.47	3.30	78.20
XTE_050/1440-18	18	SM40	80	1.69	2.27	5.8	12.0	31.8	0.67	2.79	3.74	60.60
XTE_050/1440-24	24	SM41	40	1.93	2.58	7.0	14.9	28.0	0.49	2.47	3.30	78.20
XTE_050/1440-36	36	SM43	40	2.89	3.88	8.6	17.6	46.2	0.56	3.46	4.64	83.60
XTE_050/1440-48	48	SM50	20	3.88	5.20	10.5	19.9	71.1	0.61	4.60	6.17	84.30
XTE_050/1440-72	72	SM42	40	5.84	7.83	14.8	31.1	88.2	0.73	7.77	10.41	75.20
XTE_050/1440-144	144	SM51	20	11.65	15.60	25.9	59.0	202.8	0.71	13.22	17.71	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 440 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.4	0.4	0.6	0.46	0.14	0.19	23.10
XTE_010/30-18	18	SM01	40	0.05	0.07	0.4	0.5	0.8	0.42	0.13	0.17	38.30
XTE_010/30-24	24	SM10	20	0.07	0.10	1.3	1.6	2.4	0.43	0.43	0.57	17.30
XTE_010/30-36	36	SM11	20	0.11	0.15	1.3	1.5	2.7	0.43	0.43	0.57	25.90
XTE_010/30-48	48	SM04	20	0.15	0.19	1.2	2.2	2.7	0.47	0.43	0.58	33.80
XTE_010/30-72	72	SM05	20	0.22	0.29	1.1	2.4	4.3	0.56	0.47	0.63	46.30
XTE_010/30-144	144	SM06	20	0.44	0.60	1.6	2.3	5.9	0.71	0.87	1.16	51.30
XTE_010/90-12	12	SM10	40	0.07	0.10	1.3	1.6	2.4	0.43	0.43	0.57	17.30
XTE_010/90-18	18	SM11	40	0.11	0.15	1.3	1.5	2.7	0.43	0.43	0.57	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	1.7	1.9	2.7	0.46	0.60	0.80	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	1.8	2.4	3.5	0.41	0.56	0.75	32.90
XTE_010/90-48	48	SM14	20	0.30	0.40	1.6	1.9	5.0	0.46	0.56	0.75	53.00
XTE_010/90-72	72	SM15	20	0.37	0.49	1.9	2.7	7.3	0.55	0.80	1.07	45.90
XTE_010/90-144	144	SM16	20	0.75	1.01	2.6	4.4	12.4	0.67	1.33	1.78	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	1.8	2.4	3.5	0.41	0.56	0.75	32.90
XTE_020/180-24	24	SM14	40	0.30	0.40	1.6	1.9	5.0	0.46	0.56	0.75	53.00
XTE_020/180-36	36	SM15	40	0.37	0.49	1.9	2.7	7.3	0.55	0.80	1.07	45.90
XTE_020/180-48	48	SM21	20	0.54	0.72	2.6	4.4	7.7	0.43	0.85	1.14	63.40
XTE_020/180-72	72	SM22	20	0.78	1.05	2.8	5.6	11.5	0.61	1.30	1.74	60.20
XTE_020/180-144	144	SM23	20	1.46	1.96	4.6	7.7	23.2	0.67	2.35	3.15	62.30
XTE_030/360-12	12	SM21	80	0.54	0.72	2.6	4.4	7.7	0.43	0.85	1.14	63.40
XTE_030/360-18	18	SM32	40	0.50	0.67	2.8	3.7	8.3	0.39	0.83	1.12	60.20
XTE_030/360-24	24	SM21	40	0.54	0.72	2.6	4.4	7.7	0.43	0.85	1.14	63.40
XTE_030/360-48	48	SM30	20	1.14	1.52	5.5	9.4	17.8	0.43	1.80	2.42	63.10
XTE_030/360-72	72	SM23	40	1.46	1.96	4.6	7.7	23.2	0.67	2.35	3.15	62.30
XTE_030/360-144	144	SM31	20	3.36	4.50	7.7	16.3	49.6	0.68	3.99	5.35	84.20
XTE_040/720-12	12	SM30	80	1.14	1.52	5.5	9.4	17.8	0.43	1.80	2.42	63.10
XTE_040/720-18	18	SM44	40	0.84	1.12	3.9	6.7	11.8	0.39	1.16	1.55	72.40
XTE_040/720-24	24	SM30	40	1.14	1.52	5.5	9.4	17.8	0.43	1.80	2.42	63.10
XTE_040/720-36	36	SM40	40	1.70	2.28	5.5	11.1	27.8	0.67	2.81	3.76	60.60
XTE_040/720-48	48	SM41	20	1.93	2.58	6.6	13.8	24.6	0.49	2.46	3.30	78.20
XTE_040/720-72	72	SM31	40	3.36	4.50	7.7	16.3	49.6	0.68	3.99	5.35	84.20
XTE_040/720-144	144	SM42	20	5.82	7.80	13.9	28.8	77.3	0.73	7.73	10.36	75.30
XTE_050/1440-12	12	SM41	80	1.93	2.58	6.6	13.8	24.6	0.49	2.46	3.30	78.20
XTE_050/1440-18	18	SM40	80	1.70	2.28	5.5	11.1	27.8	0.67	2.81	3.76	60.60
XTE_050/1440-24	24	SM41	40	1.93	2.58	6.6	13.8	24.6	0.49	2.46	3.30	78.20
XTE_050/1440-36	36	SM43	40	2.89	3.87	8.1	16.3	40.5	0.56	3.46	4.63	83.60
XTE_050/1440-48	48	SM50	20	3.88	5.20	9.9	18.5	62.3	0.61	4.60	6.17	84.30
XTE_050/1440-72	72	SM42	40	5.82	7.80	13.9	28.8	77.3	0.73	7.73	10.36	75.30
XTE_050/1440-144	144	SM51	20	11.68	15.65	24.5	54.6	177.7	0.71	13.26	17.76	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 500 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.04	0.3	0.4	0.5	0.46	0.12	0.16	23.10
XTE_010/30-18	18	SM01	40	0.06	0.07	0.4	0.4	0.7	0.42	0.15	0.19	38.30
XTE_010/30-24	24	SM10	20	0.07	0.09	1.1	1.4	2.1	0.43	0.41	0.55	17.30
XTE_010/30-36	36	SM11	20	0.11	0.14	1.1	1.3	2.4	0.43	0.41	0.55	25.90
XTE_010/30-48	48	SM04	20	0.14	0.18	1.0	1.9	2.4	0.47	0.41	0.55	33.80
XTE_010/30-72	72	SM05	20	0.22	0.30	1.0	2.1	3.8	0.56	0.48	0.65	46.30
XTE_010/30-144	144	SM06	20	0.44	0.59	1.4	2.0	5.2	0.71	0.86	1.15	51.30
XTE_010/90-12	12	SM10	40	0.07	0.09	1.1	1.4	2.1	0.43	0.41	0.55	17.30
XTE_010/90-18	18	SM11	40	0.11	0.14	1.1	1.3	2.4	0.43	0.41	0.55	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	1.5	1.7	2.4	0.46	0.60	0.80	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	1.6	2.1	3.0	0.41	0.57	0.76	32.90
XTE_010/90-48	48	SM14	20	0.30	0.40	1.4	1.7	4.4	0.46	0.56	0.75	53.00
XTE_010/90-72	72	SM15	20	0.37	0.50	1.7	2.4	6.4	0.55	0.81	1.09	45.90
XTE_010/90-144	144	SM16	20	0.72	0.97	2.2	3.8	10.9	0.67	1.28	1.71	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	1.6	2.1	3.0	0.41	0.57	0.76	32.90
XTE_020/180-24	24	SM14	40	0.30	0.40	1.4	1.7	4.4	0.46	0.56	0.75	53.00
XTE_020/180-36	36	SM15	40	0.37	0.50	1.7	2.4	6.4	0.55	0.81	1.09	45.90
XTE_020/180-48	48	SM21	20	0.52	0.70	2.2	3.8	6.8	0.43	0.82	1.10	63.40
XTE_020/180-72	72	SM22	20	0.80	1.07	2.5	5.0	10.1	0.61	1.32	1.77	60.20
XTE_020/180-144	144	SM23	20	1.48	1.99	4.1	6.8	20.4	0.67	2.38	3.19	62.30
XTE_030/360-12	12	SM21	80	0.52	0.70	2.2	3.8	6.8	0.43	0.82	1.10	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	2.5	3.3	7.3	0.39	0.83	1.12	61.00
XTE_030/360-24	24	SM21	40	0.52	0.70	2.2	3.8	6.8	0.43	0.82	1.10	63.40
XTE_030/360-48	48	SM30	20	1.13	1.51	4.8	8.2	15.7	0.43	1.79	2.40	63.10
XTE_030/360-72	72	SM23	40	1.48	1.99	4.1	6.8	20.4	0.67	2.38	3.19	62.30
XTE_030/360-144	144	SM31	20	3.37	4.52	6.8	14.3	43.7	0.68	4.00	5.37	84.20
XTE_040/720-12	12	SM30	80	1.13	1.51	4.8	8.2	15.7	0.43	1.79	2.40	63.10
XTE_040/720-18	18	SM44	40	0.83	1.11	3.4	5.9	10.4	0.39	1.15	1.54	72.40
XTE_040/720-24	24	SM30	40	1.13	1.51	4.8	8.2	15.7	0.43	1.79	2.40	63.10
XTE_040/720-36	36	SM40	40	1.69	2.26	4.8	9.8	24.5	0.67	2.79	3.73	60.60
XTE_040/720-48	48	SM41	20	1.93	2.59	5.8	12.2	21.6	0.49	2.46	3.30	78.50
XTE_040/720-72	72	SM31	40	3.37	4.52	6.8	14.3	43.7	0.68	4.00	5.37	84.20
XTE_040/720-144	144	SM42	20	5.81	7.78	12.2	25.4	68.0	0.73	7.71	10.34	75.30
XTE_050/1440-12	12	SM41	80	1.93	2.59	5.8	12.2	21.6	0.49	2.46	3.30	78.50
XTE_050/1440-18	18	SM40	80	1.69	2.26	4.8	9.8	24.5	0.67	2.79	3.73	60.60
XTE_050/1440-24	24	SM41	40	1.93	2.59	5.8	12.2	21.6	0.49	2.46	3.30	78.50
XTE_050/1440-36	36	SM43	40	2.88	3.86	7.1	14.3	35.6	0.56	3.44	4.61	83.60
XTE_050/1440-48	48	SM50	20	3.87	5.19	8.7	16.2	54.8	0.61	4.60	6.16	84.30
XTE_050/1440-72	72	SM42	40	5.81	7.78	12.2	25.4	68.0	0.73	7.71	10.34	75.30
XTE_050/1440-144	144	SM51	20	11.65	15.61	21.5	48.1	156.4	0.71	13.22	17.71	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 660 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.04	0.05	0.3	0.3	0.4	0.46	0.16	0.21	23.10
XTE_010/30-18	18	SM01	40	0.05	0.07	0.3	0.3	0.5	0.42	0.14	0.19	35.40
XTE_010/30-24	24	SM10	20	0.08	0.10	0.9	1.0	1.6	0.43	0.44	0.59	17.30
XTE_010/30-36	36	SM11	20	0.11	0.15	0.9	1.0	1.8	0.43	0.44	0.59	25.90
XTE_010/30-48	48	SM04	20	0.15	0.19	0.8	1.5	1.8	0.47	0.43	0.58	33.80
XTE_010/30-72	72	SM05	20	0.21	0.28	0.7	1.6	2.9	0.56	0.45	0.60	46.30
XTE_010/30-144	144	SM06	20	0.42	0.56	1.0	1.5	3.9	0.71	0.81	1.09	51.30
XTE_010/90-12	12	SM10	40	0.08	0.10	0.9	1.0	1.6	0.43	0.44	0.59	17.30
XTE_010/90-18	18	SM11	40	0.11	0.15	0.9	1.0	1.8	0.43	0.44	0.59	25.90
XTE_010/90-24	24	SM12	20	0.13	0.17	1.2	1.3	1.8	0.46	0.63	0.85	20.30
XTE_010/90-36	36	SM13	20	0.19	0.25	1.2	1.6	2.3	0.41	0.56	0.75	32.90
XTE_010/90-48	48	SM14	20	0.28	0.37	1.0	1.3	3.3	0.46	0.53	0.70	53.00
XTE_010/90-72	72	SM15	20	0.38	0.51	1.3	1.8	4.9	0.55	0.82	1.10	46.50
XTE_010/90-144	144	SM16	20	0.74	0.99	1.7	2.9	8.2	0.67	1.30	1.74	56.50
XTE_020/180-18	18	SM13	40	0.19	0.25	1.2	1.6	2.3	0.41	0.56	0.75	32.90
XTE_020/180-24	24	SM14	40	0.28	0.37	1.0	1.3	3.3	0.46	0.53	0.70	53.00
XTE_020/180-36	36	SM15	40	0.38	0.51	1.3	1.8	4.9	0.55	0.82	1.10	46.50
XTE_020/180-48	48	SM21	20	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.40
XTE_020/180-72	72	SM22	20	0.80	1.07	1.9	3.8	7.6	0.61	1.32	1.78	60.20
XTE_020/180-144	144	SM23	20	1.48	1.98	3.1	5.2	15.5	0.67	2.37	3.18	62.30
XTE_030/360-12	12	SM21	80	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	1.9	2.5	5.5	0.39	0.84	1.12	61.00
XTE_030/360-24	24	SM21	40	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.40
XTE_030/360-48	48	SM30	20	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.10
XTE_030/360-72	72	SM23	40	1.48	1.98	3.1	5.2	15.5	0.67	2.37	3.18	62.30
XTE_030/360-144	144	SM31	20	3.40	4.56	5.2	10.9	33.1	0.68	4.04	5.42	84.20
XTE_040/720-12	12	SM30	80	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.10
XTE_040/720-18	18	SM44	40	0.84	1.12	2.6	4.5	7.9	0.39	1.16	1.55	72.40
XTE_040/720-24	24	SM30	40	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.10
XTE_040/720-36	36	SM40	40	1.67	2.24	3.6	7.4	18.6	0.67	2.76	3.69	60.60
XTE_040/720-48	48	SM41	20	1.93	2.59	4.4	9.2	16.4	0.49	2.46	3.30	78.50
XTE_040/720-72	72	SM31	40	3.40	4.56	5.2	10.9	33.1	0.68	4.04	5.42	84.20
XTE_040/720-144	144	SM42	20	5.84	7.83	9.3	19.2	51.5	0.73	7.76	10.40	75.30
XTE_050/1440-12	12	SM41	80	1.93	2.59	4.4	9.2	16.4	0.49	2.46	3.30	78.50
XTE_050/1440-18	18	SM40	80	1.67	2.24	3.6	7.4	18.6	0.67	2.76	3.69	60.60
XTE_050/1440-24	24	SM41	40	1.93	2.59	4.4	9.2	16.4	0.49	2.46	3.30	78.50
XTE_050/1440-36	36	SM43	40	2.89	3.87	5.4	10.9	27.0	0.56	3.46	4.63	83.60
XTE_050/1440-48	48	SM50	20	3.88	5.20	6.6	12.3	41.5	0.61	4.60	6.17	84.30
XTE_050/1440-72	72	SM42	40	5.84	7.83	9.3	19.2	51.5	0.73	7.76	10.40	75.30
XTE_050/1440-144	144	SM51	20	11.66	15.62	16.3	36.4	118.5	0.71	13.23	17.73	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 690 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	SM00	40	0.03	0.03	0.2	0.3	0.4	0.46	0.11	0.15	23.10
XTE_010/30-18	18	SM01	40	0.05	0.07	0.3	0.3	0.5	0.42	0.15	0.20	35.40
XTE_010/30-24	24	SM10	20	0.07	0.10	0.8	1.0	1.5	0.43	0.41	0.55	17.30
XTE_010/30-36	36	SM11	20	0.11	0.14	0.8	0.9	1.7	0.43	0.41	0.55	25.90
XTE_010/30-48	48	SM04	20	0.15	0.20	0.8	1.4	1.7	0.47	0.45	0.60	33.80
XTE_010/30-72	72	SM05	20	0.22	0.29	0.7	1.5	2.7	0.56	0.47	0.63	46.30
XTE_010/30-144	144	SM06	20	0.43	0.58	1.0	1.5	3.8	0.71	0.85	1.14	50.70
XTE_010/90-12	12	SM10	40	0.07	0.10	0.8	1.0	1.5	0.43	0.41	0.55	17.30
XTE_010/90-18	18	SM11	40	0.11	0.14	0.8	0.9	1.7	0.43	0.41	0.55	25.90
XTE_010/90-24	24	SM12	20	0.12	0.16	1.1	1.2	1.7	0.46	0.60	0.81	20.30
XTE_010/90-36	36	SM13	20	0.19	0.26	1.2	1.5	2.2	0.41	0.59	0.79	32.90
XTE_010/90-48	48	SM14	20	0.29	0.39	1.0	1.2	3.2	0.46	0.55	0.74	53.00
XTE_010/90-72	72	SM15	20	0.36	0.49	1.2	1.7	4.6	0.55	0.79	1.06	45.90
XTE_010/90-144	144	SM16	20	0.73	0.98	1.6	2.8	7.9	0.67	1.28	1.72	57.00
XTE_020/180-18	18	SM13	40	0.19	0.26	1.2	1.5	2.2	0.41	0.59	0.79	32.90
XTE_020/180-24	24	SM14	40	0.29	0.39	1.0	1.2	3.2	0.46	0.55	0.74	53.00
XTE_020/180-36	36	SM15	40	0.36	0.49	1.2	1.7	4.6	0.55	0.79	1.06	45.90
XTE_020/180-48	48	SM21	20	0.52	0.70	1.6	2.8	4.9	0.43	0.82	1.10	63.40
XTE_020/180-72	72	SM22	20	0.79	1.06	1.8	3.6	7.3	0.61	1.31	1.76	60.20
XTE_020/180-144	144	SM23	20	1.49	2.00	3.0	4.9	14.8	0.67	2.40	3.22	62.00
XTE_030/360-12	12	SM21	80	0.52	0.70	1.6	2.8	4.9	0.43	0.82	1.10	63.40
XTE_030/360-18	18	SM32	40	0.51	0.68	1.8	2.4	5.3	0.39	0.83	1.11	61.00
XTE_030/360-24	24	SM21	40	0.52	0.70	1.6	2.8	4.9	0.43	0.82	1.10	63.40
XTE_030/360-48	48	SM30	20	1.13	1.52	3.5	6.0	11.4	0.43	1.80	2.41	63.10
XTE_030/360-72	72	SM23	40	1.49	2.00	3.0	4.9	14.8	0.67	2.40	3.22	62.00
XTE_030/360-144	144	SM31	20	3.35	4.49	4.9	10.4	31.7	0.68	3.98	5.34	84.20
XTE_040/720-12	12	SM30	80	1.13	1.52	3.5	6.0	11.4	0.43	1.80	2.41	63.10
XTE_040/720-18	18	SM44	40	0.85	1.14	2.5	4.3	7.5	0.39	1.16	1.56	73.00
XTE_040/720-24	24	SM30	40	1.13	1.52	3.5	6.0	11.4	0.43	1.80	2.41	63.10
XTE_040/720-36	36	SM40	40	1.70	2.28	3.5	7.1	17.7	0.67	2.80	3.76	60.60
XTE_040/720-48	48	SM41	20	1.93	2.59	4.2	8.8	15.7	0.49	2.46	3.30	78.50
XTE_040/720-72	72	SM31	40	3.35	4.49	4.9	10.4	31.7	0.68	3.98	5.34	84.20
XTE_040/720-144	144	SM42	20	5.85	7.83	8.9	18.4	49.3	0.73	7.76	10.40	75.30
XTE_050/1440-12	12	SM41	80	1.93	2.59	4.2	8.8	15.7	0.49	2.46	3.30	78.50
XTE_050/1440-18	18	SM40	80	1.70	2.28	3.5	7.1	17.7	0.67	2.80	3.76	60.60
XTE_050/1440-24	24	SM41	40	1.93	2.59	4.2	8.8	15.7	0.49	2.46	3.30	78.50
XTE_050/1440-36	36	SM43	40	2.91	3.90	5.2	10.4	25.8	0.56	3.48	4.66	83.60
XTE_050/1440-48	48	SM50	20	3.87	5.19	6.3	11.8	39.7	0.61	4.59	6.15	84.30
XTE_050/1440-72	72	SM42	40	5.85	7.83	8.9	18.4	49.3	0.73	7.76	10.40	75.30
XTE_050/1440-144	144	SM51	20	11.66	15.63	15.6	34.8	113.3	0.71	13.24	17.74	88.10

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 208 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.04	0.05	1.0	1.1	1.6	0.46	0.17	0.22	22.50
XTE_010/30-22	22	SM01	40	0.06	0.07	1.0	1.2	2.1	0.42	0.15	0.20	36.70
XTE_010/30-29	29	SM10	20	0.08	0.11	3.2	3.8	6.5	0.43	0.50	0.66	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	3.2	3.6	7.5	0.43	0.50	0.66	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	3.0	5.4	7.5	0.47	0.51	0.68	34.00
XTE_010/30-86	86	SM05	20	0.26	0.35	2.8	5.9	11.7	0.56	0.56	0.76	46.40
XTE_010/30-173	173	SM06	20	0.51	0.68	3.9	5.7	16.2	0.71	1.00	1.34	51.10
XTE_010/90-14	14	SM10	40	0.08	0.11	3.2	3.8	6.5	0.43	0.50	0.66	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	3.2	3.6	7.5	0.43	0.50	0.66	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	4.4	4.8	7.5	0.46	0.73	0.98	20.40
XTE_010/90-43	43	SM13	20	0.22	0.29	4.6	5.9	9.5	0.41	0.68	0.91	32.40
XTE_010/90-58	58	SM14	20	0.34	0.46	3.9	4.8	13.7	0.46	0.65	0.87	52.80
XTE_010/90-86	86	SM15	20	0.45	0.60	4.9	6.8	19.9	0.55	0.97	1.30	45.90
XTE_010/90-173	173	SM16	20	0.89	1.20	6.5	10.9	33.9	0.67	1.57	2.10	56.90
XTE_020/180-22	22	SM13	40	0.22	0.29	4.6	5.9	9.5	0.41	0.68	0.91	32.40
XTE_020/180-29	29	SM14	40	0.34	0.46	3.9	4.8	13.7	0.46	0.65	0.87	52.80
XTE_020/180-43	43	SM15	40	0.45	0.60	4.9	6.8	19.9	0.55	0.97	1.30	45.90
XTE_020/180-58	58	SM21	20	0.64	0.85	6.5	10.9	21.2	0.43	1.01	1.35	63.10
XTE_020/180-86	86	SM22	20	0.95	1.28	7.2	14.0	31.4	0.61	1.58	2.12	60.30
XTE_020/180-173	173	SM23	20	1.77	2.37	11.8	19.2	63.6	0.67	2.85	3.82	62.10
XTE_030/360-14	14	SM21	80	0.64	0.85	6.5	10.9	21.2	0.43	1.01	1.35	63.10
XTE_030/360-22	22	SM32	40	0.61	0.81	7.2	9.3	22.7	0.39	1.00	1.34	60.60
XTE_030/360-29	29	SM21	40	0.64	0.85	6.5	10.9	21.2	0.43	1.01	1.35	63.10
XTE_030/360-58	58	SM30	20	1.35	1.81	13.9	23.3	48.9	0.43	2.15	2.89	62.90
XTE_030/360-86	86	SM23	40	1.77	2.37	11.8	19.2	63.6	0.67	2.85	3.82	62.10
XTE_030/360-173	173	SM31	20	4.04	5.42	19.6	40.5	136.1	0.68	4.80	6.43	84.20
XTE_040/720-14	14	SM30	80	1.35	1.81	13.9	23.3	48.9	0.43	2.15	2.89	62.90
XTE_040/720-22	22	SM44	40	1.01	1.35	9.9	16.7	32.4	0.39	1.39	1.86	72.50
XTE_040/720-29	29	SM30	40	1.35	1.81	13.9	23.3	48.9	0.43	2.15	2.89	62.90
XTE_040/720-43	43	SM40	40	2.03	2.72	13.9	27.6	76.3	0.67	3.36	4.50	60.50
XTE_040/720-58	58	SM41	20	2.34	3.13	16.9	34.4	67.3	0.49	2.98	4.00	78.40
XTE_040/720-86	86	SM31	40	4.04	5.42	19.6	40.5	136.1	0.68	4.80	6.43	84.20
XTE_040/720-173	173	SM42	20	6.98	9.36	35.3	71.7	211.9	0.73	9.28	12.44	75.20
XTE_050/1440-14	14	SM41	80	2.34	3.13	16.9	34.4	67.3	0.49	2.98	4.00	78.40
XTE_050/1440-22	22	SM40	80	2.03	2.72	13.9	27.6	76.3	0.67	3.36	4.50	60.50
XTE_050/1440-29	29	SM41	40	2.34	3.13	16.9	34.4	67.3	0.49	2.98	4.00	78.40
XTE_050/1440-43	43	SM43	40	3.46	4.63	20.5	40.5	110.9	0.56	4.14	5.54	83.60
XTE_050/1440-58	58	SM50	20	4.67	6.26	25.2	45.9	170.7	0.61	5.54	7.42	84.30
XTE_050/1440-86	86	SM42	40	6.98	9.36	35.3	71.7	211.9	0.73	9.28	12.44	75.20
XTE_050/1440-173	173	SM51	20	14.04	18.82	62.1	135.9	487.3	0.71	15.88	21.29	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 220 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.04	0.05	0.9	1.0	1.5	0.46	0.16	0.21	22.50
XTE_010/30-22	22	SM01	40	0.06	0.08	1.0	1.2	2.0	0.42	0.16	0.21	36.70
XTE_010/30-29	29	SM10	20	0.09	0.12	3.1	3.6	6.1	0.43	0.51	0.68	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	3.1	3.4	7.1	0.43	0.51	0.68	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	2.8	5.1	7.1	0.47	0.50	0.67	34.00
XTE_010/30-86	86	SM05	20	0.26	0.34	2.6	5.6	11.1	0.56	0.55	0.74	46.40
XTE_010/30-173	173	SM06	20	0.51	0.69	3.7	5.4	15.3	0.71	1.00	1.34	51.10
XTE_010/90-14	14	SM10	40	0.09	0.12	3.1	3.6	6.1	0.43	0.51	0.68	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	3.1	3.4	7.1	0.43	0.51	0.68	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	4.2	4.5	7.1	0.46	0.74	0.99	20.40
XTE_010/90-43	43	SM13	20	0.22	0.30	4.4	5.6	9.0	0.41	0.69	0.92	32.40
XTE_010/90-58	58	SM14	20	0.34	0.46	3.7	4.5	13.0	0.46	0.65	0.87	52.80
XTE_010/90-86	86	SM15	20	0.44	0.59	4.6	6.4	18.9	0.55	0.96	1.29	45.90
XTE_010/90-173	173	SM16	20	0.88	1.18	6.1	10.3	32.1	0.67	1.56	2.09	56.50
XTE_020/180-22	22	SM13	40	0.22	0.30	4.4	5.6	9.0	0.41	0.69	0.92	32.40
XTE_020/180-29	29	SM14	40	0.34	0.46	3.7	4.5	13.0	0.46	0.65	0.87	52.80
XTE_020/180-43	43	SM15	40	0.44	0.59	4.6	6.4	18.9	0.55	0.96	1.29	45.90
XTE_020/180-58	58	SM21	20	0.63	0.85	6.1	10.3	20.0	0.43	1.00	1.34	63.10
XTE_020/180-86	86	SM22	20	0.95	1.28	6.8	13.3	29.7	0.61	1.58	2.12	60.30
XTE_020/180-173	173	SM23	20	1.76	2.36	11.1	18.2	60.1	0.67	2.83	3.80	62.10
XTE_030/360-14	14	SM21	80	0.63	0.85	6.1	10.3	20.0	0.43	1.00	1.34	63.10
XTE_030/360-22	22	SM32	40	0.61	0.81	6.8	8.8	21.4	0.39	1.00	1.34	60.60
XTE_030/360-29	29	SM21	40	0.63	0.85	6.1	10.3	20.0	0.43	1.00	1.34	63.10
XTE_030/360-58	58	SM30	20	1.35	1.81	13.1	22.0	46.2	0.43	2.15	2.88	62.90
XTE_030/360-86	86	SM23	40	1.76	2.36	11.1	18.2	60.1	0.67	2.83	3.80	62.10
XTE_030/360-173	173	SM31	20	4.06	5.44	18.6	38.3	128.7	0.68	4.82	6.46	84.20
XTE_040/720-14	14	SM30	80	1.35	1.81	13.1	22.0	46.2	0.43	2.15	2.88	62.90
XTE_040/720-22	22	SM44	40	1.01	1.36	9.4	15.8	30.6	0.39	1.40	1.87	72.50
XTE_040/720-29	29	SM30	40	1.35	1.81	13.1	22.0	46.2	0.43	2.15	2.88	62.90
XTE_040/720-43	43	SM40	40	2.02	2.71	13.1	26.1	72.1	0.67	3.34	4.48	60.50
XTE_040/720-58	58	SM41	20	2.33	3.12	15.9	32.5	63.6	0.49	2.97	3.98	78.40
XTE_040/720-86	86	SM31	40	4.06	5.44	18.6	38.3	128.7	0.68	4.82	6.46	84.20
XTE_040/720-173	173	SM42	20	6.99	9.36	33.4	67.8	200.3	0.73	9.29	12.45	75.20
XTE_050/1440-14	14	SM41	80	2.33	3.12	15.9	32.5	63.6	0.49	2.97	3.98	78.40
XTE_050/1440-22	22	SM40	80	2.02	2.71	13.1	26.1	72.1	0.67	3.34	4.48	60.50
XTE_050/1440-29	29	SM41	40	2.33	3.12	15.9	32.5	63.6	0.49	2.97	3.98	78.40
XTE_050/1440-43	43	SM43	40	3.46	4.64	19.4	38.3	104.9	0.56	4.14	5.55	83.60
XTE_050/1440-58	58	SM50	20	4.66	6.25	23.8	43.4	161.4	0.61	5.53	7.41	84.30
XTE_050/1440-86	86	SM42	40	6.99	9.36	33.4	67.8	200.3	0.73	9.29	12.45	75.20
XTE_050/1440-173	173	SM51	20	14.04	18.81	58.7	128.5	460.7	0.71	15.88	21.28	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 280 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.04	0.05	0.7	0.8	1.2	0.46	0.16	0.21	22.50
XTE_010/30-22	22	SM01	40	0.06	0.08	0.8	0.9	1.6	0.42	0.16	0.22	36.70
XTE_010/30-29	29	SM10	20	0.09	0.11	2.4	2.9	4.8	0.43	0.50	0.67	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	2.4	2.7	5.6	0.43	0.50	0.67	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	2.2	4.0	5.6	0.47	0.50	0.67	34.00
XTE_010/30-86	86	SM05	20	0.26	0.35	2.1	4.4	8.7	0.56	0.57	0.76	46.40
XTE_010/30-173	173	SM06	20	0.51	0.68	2.9	4.2	12.0	0.71	1.00	1.34	51.10
XTE_010/90-14	14	SM10	40	0.09	0.11	2.4	2.9	4.8	0.43	0.50	0.67	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	2.4	2.7	5.6	0.43	0.50	0.67	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	3.3	3.5	5.6	0.46	0.74	0.99	20.40
XTE_010/90-43	43	SM13	20	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.40
XTE_010/90-58	58	SM14	20	0.35	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.60
XTE_010/90-86	86	SM15	20	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.90
XTE_010/90-173	173	SM16	20	0.88	1.18	4.8	8.1	25.2	0.67	1.56	2.09	56.50
XTE_020/180-22	22	SM13	40	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.40
XTE_020/180-29	29	SM14	40	0.35	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.60
XTE_020/180-43	43	SM15	40	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.90
XTE_020/180-58	58	SM21	20	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.10
XTE_020/180-86	86	SM22	20	0.95	1.27	5.3	10.4	23.3	0.61	1.57	2.10	60.30
XTE_020/180-173	173	SM23	20	1.76	2.35	8.7	14.3	47.2	0.67	2.83	3.79	62.10
XTE_030/360-14	14	SM21	80	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.10
XTE_030/360-22	22	SM32	40	0.60	0.80	5.3	6.9	16.9	0.39	0.99	1.33	60.60
XTE_030/360-29	29	SM21	40	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.10
XTE_030/360-58	58	SM30	20	1.35	1.81	10.3	17.3	36.3	0.43	2.15	2.88	62.90
XTE_030/360-86	86	SM23	40	1.76	2.35	8.7	14.3	47.2	0.67	2.83	3.79	62.10
XTE_030/360-173	173	SM31	20	4.05	5.43	14.6	30.1	101.1	0.68	4.81	6.45	84.20
XTE_040/720-14	14	SM30	80	1.35	1.81	10.3	17.3	36.3	0.43	2.15	2.88	62.90
XTE_040/720-22	22	SM44	40	1.01	1.36	7.4	12.4	24.1	0.39	1.40	1.87	72.50
XTE_040/720-29	29	SM30	40	1.35	1.81	10.3	17.3	36.3	0.43	2.15	2.88	62.90
XTE_040/720-43	43	SM40	40	2.02	2.71	10.3	20.5	56.7	0.67	3.35	4.48	60.50
XTE_040/720-58	58	SM41	20	2.33	3.12	12.5	25.5	50.0	0.49	2.97	3.98	78.40
XTE_040/720-86	86	SM31	40	4.05	5.43	14.6	30.1	101.1	0.68	4.81	6.45	84.20
XTE_040/720-173	173	SM42	20	6.98	9.35	26.2	53.3	157.4	0.73	9.28	12.43	75.20
XTE_050/1440-14	14	SM41	80	2.33	3.12	12.5	25.5	50.0	0.49	2.97	3.98	78.40
XTE_050/1440-22	22	SM40	80	2.02	2.71	10.3	20.5	56.7	0.67	3.35	4.48	60.50
XTE_050/1440-29	29	SM41	40	2.33	3.12	12.5	25.5	50.0	0.49	2.97	3.98	78.40
XTE_050/1440-43	43	SM43	40	3.47	4.65	15.3	30.1	82.4	0.56	4.16	5.57	83.60
XTE_050/1440-58	58	SM50	20	4.66	6.25	18.7	34.1	126.8	0.61	5.53	7.41	84.30
XTE_050/1440-86	86	SM42	40	6.98	9.35	26.2	53.3	157.4	0.73	9.28	12.43	75.20
XTE_050/1440-173	173	SM51	20	14.03	18.80	46.1	101.0	362.0	0.71	15.87	21.27	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 380 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.03	0.05	0.5	0.6	0.9	0.46	0.15	0.20	22.50
XTE_010/30-22	22	SM01	40	0.06	0.08	0.6	0.7	1.2	0.42	0.17	0.22	36.70
XTE_010/30-29	29	SM10	20	0.09	0.12	1.8	2.1	3.6	0.43	0.51	0.68	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	1.8	2.0	4.1	0.43	0.51	0.68	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	1.6	3.0	4.1	0.47	0.49	0.66	34.00
XTE_010/30-86	86	SM05	20	0.25	0.34	1.5	3.2	6.4	0.56	0.55	0.74	45.50
XTE_010/30-173	173	SM06	20	0.53	0.70	2.2	3.1	8.9	0.71	1.03	1.38	51.10
XTE_010/90-14	14	SM10	40	0.09	0.12	1.8	2.1	3.6	0.43	0.51	0.68	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	1.8	2.0	4.1	0.43	0.51	0.68	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	2.4	2.6	4.1	0.46	0.73	0.97	20.40
XTE_010/90-43	43	SM13	20	0.22	0.29	2.5	3.2	5.2	0.41	0.67	0.90	32.40
XTE_010/90-58	58	SM14	20	0.35	0.47	2.2	2.6	7.5	0.46	0.67	0.89	52.80
XTE_010/90-86	86	SM15	20	0.45	0.61	2.7	3.7	10.9	0.55	0.98	1.31	46.40
XTE_010/90-173	173	SM16	20	0.87	1.17	3.5	5.9	18.6	0.67	1.54	2.07	56.50
XTE_020/180-22	22	SM13	40	0.22	0.29	2.5	3.2	5.2	0.41	0.67	0.90	32.40
XTE_020/180-29	29	SM14	40	0.35	0.47	2.2	2.6	7.5	0.46	0.67	0.89	52.80
XTE_020/180-43	43	SM15	40	0.45	0.61	2.7	3.7	10.9	0.55	0.98	1.31	46.40
XTE_020/180-58	58	SM21	20	0.63	0.84	3.5	5.9	11.6	0.43	0.99	1.33	63.10
XTE_020/180-86	86	SM22	20	0.94	1.27	3.9	7.7	17.2	0.61	1.57	2.10	60.30
XTE_020/180-173	173	SM23	20	1.75	2.35	6.4	10.5	34.8	0.67	2.82	3.78	62.10
XTE_030/360-14	14	SM21	80	0.63	0.84	3.5	5.9	11.6	0.43	0.99	1.33	63.10
XTE_030/360-22	22	SM32	40	0.60	0.80	3.9	5.1	12.4	0.39	0.99	1.33	60.60
XTE_030/360-29	29	SM21	40	0.63	0.84	3.5	5.9	11.6	0.43	0.99	1.33	63.10
XTE_030/360-58	58	SM30	20	1.35	1.81	7.6	12.8	26.7	0.43	2.15	2.88	62.90
XTE_030/360-86	86	SM23	40	1.75	2.35	6.4	10.5	34.8	0.67	2.82	3.78	62.10
XTE_030/360-173	173	SM31	20	4.03	5.40	10.7	22.2	74.5	0.68	4.79	6.42	84.20
XTE_040/720-14	14	SM30	80	1.35	1.81	7.6	12.8	26.7	0.43	2.15	2.88	62.90
XTE_040/720-22	22	SM44	40	1.00	1.34	5.4	9.2	17.7	0.39	1.38	1.86	72.50
XTE_040/720-29	29	SM30	40	1.35	1.81	7.6	12.8	26.7	0.43	2.15	2.88	62.90
XTE_040/720-43	43	SM40	40	2.03	2.72	7.6	15.1	41.7	0.67	3.35	4.49	60.50
XTE_040/720-58	58	SM41	20	2.33	3.12	9.2	18.8	36.8	0.49	2.97	3.98	78.40
XTE_040/720-86	86	SM31	40	4.03	5.40	10.7	22.2	74.5	0.68	4.79	6.42	84.20
XTE_040/720-173	173	SM42	20	6.97	9.34	19.3	39.2	116.0	0.73	9.27	12.43	75.20
XTE_050/1440-14	14	SM41	80	2.33	3.12	9.2	18.8	36.8	0.49	2.97	3.98	78.40
XTE_050/1440-22	22	SM40	80	2.03	2.72	7.6	15.1	41.7	0.67	3.35	4.49	60.50
XTE_050/1440-29	29	SM41	40	2.33	3.12	9.2	18.8	36.8	0.49	2.97	3.98	78.40
XTE_050/1440-43	43	SM43	40	3.45	4.62	11.2	22.2	60.7	0.56	4.13	5.53	83.60
XTE_050/1440-58	58	SM50	20	4.67	6.26	13.8	25.1	93.5	0.61	5.54	7.42	84.30
XTE_050/1440-86	86	SM42	40	6.97	9.34	19.3	39.2	116.0	0.73	9.27	12.43	75.20
XTE_050/1440-173	173	SM51	20	14.05	18.82	34.0	74.4	266.7	0.71	15.89	21.29	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 400 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.04	0.05	0.5	0.6	0.8	0.46	0.16	0.21	24.00
XTE_010/30-22	22	SM01	40	0.05	0.07	0.5	0.7	1.1	0.42	0.15	0.19	36.70
XTE_010/30-29	29	SM10	20	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	1.7	1.9	3.9	0.43	0.51	0.68	25.60
XTE_010/30-58	58	SM04	20	0.18	0.24	1.6	2.8	3.9	0.47	0.52	0.70	34.00
XTE_010/30-86	86	SM05	20	0.25	0.34	1.4	3.1	6.1	0.56	0.54	0.73	46.40
XTE_010/30-173	173	SM06	20	0.50	0.67	2.0	2.9	8.4	0.71	0.98	1.32	51.10
XTE_010/90-14	14	SM10	40	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	1.7	1.9	3.9	0.43	0.51	0.68	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	2.3	2.5	3.9	0.46	0.73	0.98	20.40
XTE_010/90-43	43	SM13	20	0.22	0.30	2.4	3.1	4.9	0.41	0.68	0.91	32.40
XTE_010/90-58	58	SM14	20	0.34	0.45	2.0	2.5	7.1	0.46	0.64	0.85	52.80
XTE_010/90-86	86	SM15	20	0.44	0.59	2.5	3.5	10.4	0.55	0.95	1.28	45.90
XTE_010/90-173	173	SM16	20	0.89	1.19	3.4	5.6	17.6	0.67	1.58	2.11	56.50
XTE_020/180-22	22	SM13	40	0.22	0.30	2.4	3.1	4.9	0.41	0.68	0.91	32.40
XTE_020/180-29	29	SM14	40	0.34	0.45	2.0	2.5	7.1	0.46	0.64	0.85	52.80
XTE_020/180-43	43	SM15	40	0.44	0.59	2.5	3.5	10.4	0.55	0.95	1.28	45.90
XTE_020/180-58	58	SM21	20	0.64	0.86	3.4	5.6	11.0	0.43	1.01	1.36	63.10
XTE_020/180-86	86	SM22	20	0.94	1.26	3.7	7.3	16.3	0.61	1.56	2.10	60.30
XTE_020/180-173	173	SM23	20	1.76	2.36	6.1	10.0	33.1	0.67	2.83	3.79	62.10
XTE_030/360-14	14	SM21	80	0.64	0.86	3.4	5.6	11.0	0.43	1.01	1.36	63.10
XTE_030/360-22	22	SM32	40	0.60	0.80	3.7	4.8	11.8	0.39	0.99	1.32	60.60
XTE_030/360-29	29	SM21	40	0.64	0.86	3.4	5.6	11.0	0.43	1.01	1.36	63.10
XTE_030/360-58	58	SM30	20	1.35	1.81	7.2	12.1	25.4	0.43	2.14	2.87	62.90
XTE_030/360-86	86	SM23	40	1.76	2.36	6.1	10.0	33.1	0.67	2.83	3.79	62.10
XTE_030/360-173	173	SM31	20	4.05	5.42	10.2	21.1	70.8	0.68	4.81	6.44	84.20
XTE_040/720-14	14	SM30	80	1.35	1.81	7.2	12.1	25.4	0.43	2.14	2.87	62.90
XTE_040/720-22	22	SM44	40	1.02	1.36	5.2	8.7	16.9	0.39	1.40	1.88	72.50
XTE_040/720-29	29	SM30	40	1.35	1.81	7.2	12.1	25.4	0.43	2.14	2.87	62.90
XTE_040/720-43	43	SM40	40	2.02	2.71	7.2	14.4	39.7	0.67	3.34	4.48	60.50
XTE_040/720-58	58	SM41	20	2.34	3.14	8.8	17.9	35.0	0.49	2.99	4.00	78.40
XTE_040/720-86	86	SM31	40	4.05	5.42	10.2	21.1	70.8	0.68	4.81	6.44	84.20
XTE_040/720-173	173	SM42	20	7.00	9.38	18.4	37.3	110.2	0.73	9.31	12.47	75.20
XTE_050/1440-14	14	SM41	80	2.34	3.14	8.8	17.9	35.0	0.49	2.99	4.00	78.40
XTE_050/1440-22	22	SM40	80	2.02	2.71	7.2	14.4	39.7	0.67	3.34	4.48	60.50
XTE_050/1440-29	29	SM41	40	2.34	3.14	8.8	17.9	35.0	0.49	2.99	4.00	78.40
XTE_050/1440-43	43	SM43	40	3.47	4.65	10.7	21.1	57.7	0.56	4.15	5.56	83.60
XTE_050/1440-58	58	SM50	20	4.67	6.25	13.1	23.9	88.8	0.61	5.54	7.42	84.30
XTE_050/1440-86	86	SM42	40	7.00	9.38	18.4	37.3	110.2	0.73	9.31	12.47	75.20
XTE_050/1440-173	173	SM51	20	14.05	18.82	32.3	70.7	253.4	0.71	15.89	21.29	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 440 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.04	0.05	0.5	0.5	0.6	0.46	0.18	0.23	22.50
XTE_010/30-22	22	SM01	40	0.06	0.08	0.5	0.6	0.8	0.42	0.16	0.21	36.70
XTE_010/30-29	29	SM10	20	0.08	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	1.4	2.5	3.0	0.47	0.50	0.67	34.00
XTE_010/30-86	86	SM05	20	0.26	0.34	1.3	2.7	4.7	0.56	0.55	0.74	46.40
XTE_010/30-173	173	SM06	20	0.53	0.70	1.9	2.6	6.4	0.71	1.03	1.38	51.10
XTE_010/90-14	14	SM10	40	0.08	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	2.1	2.2	3.0	0.46	0.74	0.99	20.40
XTE_010/90-43	43	SM13	20	0.22	0.30	2.2	2.7	3.8	0.41	0.69	0.92	32.40
XTE_010/90-58	58	SM14	20	0.36	0.48	1.9	2.2	5.5	0.46	0.67	0.89	53.60
XTE_010/90-86	86	SM15	20	0.44	0.59	2.3	3.1	7.9	0.55	0.96	1.29	45.90
XTE_010/90-173	173	SM16	20	0.90	1.21	3.1	4.9	13.5	0.67	1.58	2.12	56.90
XTE_020/180-22	22	SM13	40	0.22	0.30	2.2	2.7	3.8	0.41	0.69	0.92	32.40
XTE_020/180-29	29	SM14	40	0.36	0.48	1.9	2.2	5.5	0.46	0.67	0.89	53.60
XTE_020/180-43	43	SM15	40	0.44	0.59	2.3	3.1	7.9	0.55	0.96	1.29	45.90
XTE_020/180-58	58	SM21	20	0.65	0.87	3.1	4.9	8.4	0.43	1.02	1.36	63.70
XTE_020/180-86	86	SM22	20	0.95	1.28	3.4	6.4	12.5	0.61	1.58	2.12	60.30
XTE_020/180-173	173	SM23	20	1.78	2.39	5.6	8.7	25.3	0.67	2.86	3.83	62.30
XTE_030/360-14	14	SM21	80	0.65	0.87	3.1	4.9	8.4	0.43	1.02	1.36	63.70
XTE_030/360-22	22	SM32	40	0.61	0.81	3.4	4.2	9.0	0.39	1.00	1.34	60.60
XTE_030/360-29	29	SM21	40	0.65	0.87	3.1	4.9	8.4	0.43	1.02	1.36	63.70
XTE_030/360-58	58	SM30	20	1.36	1.82	6.6	10.5	19.4	0.43	2.16	2.90	62.90
XTE_030/360-86	86	SM23	40	1.78	2.39	5.6	8.7	25.3	0.67	2.86	3.83	62.30
XTE_030/360-173	173	SM31	20	4.06	5.44	9.3	18.3	54.1	0.68	4.82	6.46	84.20
XTE_040/720-14	14	SM30	80	1.36	1.82	6.6	10.5	19.4	0.43	2.16	2.90	62.90
XTE_040/720-22	22	SM44	40	1.01	1.36	4.7	7.6	12.9	0.39	1.40	1.87	72.50
XTE_040/720-29	29	SM30	40	1.36	1.82	6.6	10.5	19.4	0.43	2.16	2.90	62.90
XTE_040/720-43	43	SM40	40	2.04	2.73	6.6	12.5	30.3	0.67	3.37	4.52	60.50
XTE_040/720-58	58	SM41	20	2.34	3.14	8.0	15.6	26.7	0.49	2.99	4.00	78.40
XTE_040/720-86	86	SM31	40	4.06	5.44	9.3	18.3	54.1	0.68	4.82	6.46	84.20
XTE_040/720-173	173	SM42	20	6.99	9.36	16.7	32.5	84.2	0.73	9.29	12.45	75.20
XTE_050/1440-14	14	SM41	80	2.34	3.14	8.0	15.6	26.7	0.49	2.99	4.00	78.40
XTE_050/1440-22	22	SM40	80	2.04	2.73	6.6	12.5	30.3	0.67	3.37	4.52	60.50
XTE_050/1440-29	29	SM41	40	2.34	3.14	8.0	15.6	26.7	0.49	2.99	4.00	78.40
XTE_050/1440-43	43	SM43	40	3.46	4.64	9.7	18.3	44.1	0.56	4.14	5.55	83.60
XTE_050/1440-58	58	SM50	20	4.66	6.25	11.9	20.8	67.8	0.61	5.53	7.41	84.30
XTE_050/1440-86	86	SM42	40	6.99	9.36	16.7	32.5	84.2	0.73	9.29	12.45	75.20
XTE_050/1440-173	173	SM51	20	14.06	18.84	29.4	61.5	193.6	0.71	15.91	21.32	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 460 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.15	0.20	22.50
XTE_010/30-22	22	SM01	40	0.06	0.08	0.5	0.6	0.9	0.42	0.17	0.22	36.70
XTE_010/30-29	29	SM10	20	0.09	0.12	1.5	1.7	2.7	0.43	0.51	0.69	17.00
XTE_010/30-43	43	SM11	20	0.13	0.18	1.5	1.6	3.1	0.43	0.51	0.69	25.60
XTE_010/30-58	58	SM04	20	0.18	0.24	1.4	2.4	3.1	0.47	0.52	0.70	34.00
XTE_010/30-86	86	SM05	20	0.27	0.36	1.3	2.6	4.9	0.56	0.58	0.78	46.40
XTE_010/30-173	173	SM06	20	0.52	0.70	1.8	2.5	6.7	0.71	1.02	1.36	51.10
XTE_010/90-14	14	SM10	40	0.09	0.12	1.5	1.7	2.7	0.43	0.51	0.69	17.00
XTE_010/90-22	22	SM11	40	0.13	0.18	1.5	1.6	3.1	0.43	0.51	0.69	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	2.0	2.1	3.1	0.46	0.73	0.98	20.40
XTE_010/90-43	43	SM13	20	0.22	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.40
XTE_010/90-58	58	SM14	20	0.35	0.47	1.8	2.1	5.7	0.46	0.66	0.88	53.60
XTE_010/90-86	86	SM15	20	0.44	0.59	2.2	3.0	8.3	0.55	0.96	1.29	45.90
XTE_010/90-173	173	SM16	20	0.88	1.18	2.9	4.8	14.1	0.67	1.55	2.07	56.90
XTE_020/180-22	22	SM13	40	0.22	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.40
XTE_020/180-29	29	SM14	40	0.35	0.47	1.8	2.1	5.7	0.46	0.66	0.88	53.60
XTE_020/180-43	43	SM15	40	0.44	0.59	2.2	3.0	8.3	0.55	0.96	1.29	45.90
XTE_020/180-58	58	SM21	20	0.63	0.84	2.9	4.8	8.8	0.43	0.99	1.33	63.10
XTE_020/180-86	86	SM22	20	0.94	1.26	3.2	6.2	13.0	0.61	1.56	2.08	60.30
XTE_020/180-173	173	SM23	20	1.76	2.35	5.3	8.5	26.4	0.67	2.83	3.79	62.10
XTE_030/360-14	14	SM21	80	0.63	0.84	2.9	4.8	8.8	0.43	0.99	1.33	63.10
XTE_030/360-22	22	SM32	40	0.60	0.80	3.2	4.1	9.4	0.39	0.98	1.32	60.60
XTE_030/360-29	29	SM21	40	0.63	0.84	2.9	4.8	8.8	0.43	0.99	1.33	63.10
XTE_030/360-58	58	SM30	20	1.36	1.82	6.3	10.3	20.3	0.43	2.16	2.89	62.90
XTE_030/360-86	86	SM23	40	1.76	2.35	5.3	8.5	26.4	0.67	2.83	3.79	62.10
XTE_030/360-173	173	SM31	20	4.06	5.44	8.9	17.9	56.5	0.68	4.82	6.46	84.20
XTE_040/720-14	14	SM30	80	1.36	1.82	6.3	10.3	20.3	0.43	2.16	2.89	62.90
XTE_040/720-22	22	SM44	40	1.01	1.36	4.5	7.4	13.5	0.39	1.40	1.87	72.50
XTE_040/720-29	29	SM30	40	1.36	1.82	6.3	10.3	20.3	0.43	2.16	2.89	62.90
XTE_040/720-43	43	SM40	40	2.03	2.73	6.3	12.2	31.7	0.67	3.36	4.51	60.50
XTE_040/720-58	58	SM41	20	2.33	3.12	7.6	15.2	28.0	0.49	2.97	3.98	78.40
XTE_040/720-86	86	SM31	40	4.06	5.44	8.9	17.9	56.5	0.68	4.82	6.46	84.20
XTE_040/720-173	173	SM42	20	7.00	9.38	16.0	31.7	88.0	0.73	9.31	12.47	75.20
XTE_050/1440-14	14	SM41	80	2.33	3.12	7.6	15.2	28.0	0.49	2.97	3.98	78.40
XTE_050/1440-22	22	SM40	80	2.03	2.73	6.3	12.2	31.7	0.67	3.36	4.51	60.50
XTE_050/1440-29	29	SM41	40	2.33	3.12	7.6	15.2	28.0	0.49	2.97	3.98	78.40
XTE_050/1440-43	43	SM43	40	3.47	4.65	9.3	17.9	46.1	0.56	4.15	5.56	83.60
XTE_050/1440-58	58	SM50	20	4.67	6.26	11.4	20.3	70.9	0.61	5.54	7.42	84.30
XTE_050/1440-86	86	SM42	40	7.00	9.38	16.0	31.7	88.0	0.73	9.31	12.47	75.20
XTE_050/1440-173	173	SM51	20	14.05	18.83	28.1	60.2	202.3	0.71	15.90	21.30	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 480 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.03	0.05	0.4	0.5	0.7	0.46	0.15	0.20	22.50
XTE_010/30-22	22	SM01	40	0.05	0.07	0.4	0.5	0.9	0.42	0.14	0.19	36.70
XTE_010/30-29	29	SM10	20	0.09	0.11	1.4	1.7	2.8	0.43	0.50	0.67	17.00
XTE_010/30-43	43	SM11	20	0.13	0.17	1.4	1.6	3.2	0.43	0.50	0.67	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	1.3	2.4	3.2	0.47	0.51	0.68	34.00
XTE_010/30-86	86	SM05	20	0.26	0.35	1.2	2.6	5.1	0.56	0.56	0.75	46.40
XTE_010/30-173	173	SM06	20	0.51	0.69	1.7	2.5	7.0	0.71	1.00	1.34	51.10
XTE_010/90-14	14	SM10	40	0.09	0.11	1.4	1.7	2.8	0.43	0.50	0.67	17.00
XTE_010/90-22	22	SM11	40	0.13	0.17	1.4	1.6	3.2	0.43	0.50	0.67	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	1.9	2.1	3.2	0.46	0.73	0.97	20.40
XTE_010/90-43	43	SM13	20	0.22	0.30	2.0	2.6	4.1	0.41	0.68	0.91	32.40
XTE_010/90-58	58	SM14	20	0.34	0.46	1.7	2.1	5.9	0.46	0.65	0.87	52.80
XTE_010/90-86	86	SM15	20	0.44	0.59	2.1	2.9	8.6	0.55	0.96	1.29	45.90
XTE_010/90-173	173	SM16	20	0.88	1.18	2.8	4.7	14.7	0.67	1.56	2.09	56.50
XTE_020/180-22	22	SM13	40	0.22	0.30	2.0	2.6	4.1	0.41	0.68	0.91	32.40
XTE_020/180-29	29	SM14	40	0.34	0.46	1.7	2.1	5.9	0.46	0.65	0.87	52.80
XTE_020/180-43	43	SM15	40	0.44	0.59	2.1	2.9	8.6	0.55	0.96	1.29	45.90
XTE_020/180-58	58	SM21	20	0.63	0.85	2.8	4.7	9.2	0.43	1.00	1.34	63.10
XTE_020/180-86	86	SM22	20	0.95	1.27	3.1	6.1	13.6	0.61	1.57	2.11	60.30
XTE_020/180-173	173	SM23	20	1.76	2.36	5.1	8.3	27.5	0.67	2.84	3.81	62.10
XTE_030/360-14	14	SM21	80	0.63	0.85	2.8	4.7	9.2	0.43	1.00	1.34	63.10
XTE_030/360-22	22	SM32	40	0.60	0.81	3.1	4.0	9.8	0.39	0.99	1.33	60.60
XTE_030/360-29	29	SM21	40	0.63	0.85	2.8	4.7	9.2	0.43	1.00	1.34	63.10
XTE_030/360-58	58	SM30	20	1.35	1.81	6.0	10.1	21.2	0.43	2.14	2.87	62.90
XTE_030/360-86	86	SM23	40	1.76	2.36	5.1	8.3	27.5	0.67	2.84	3.81	62.10
XTE_030/360-173	173	SM31	20	4.05	5.42	8.5	17.5	59.0	0.68	4.81	6.44	84.20
XTE_040/720-14	14	SM30	80	1.35	1.81	6.0	10.1	21.2	0.43	2.14	2.87	62.90
XTE_040/720-22	22	SM44	40	1.01	1.35	4.3	7.3	14.0	0.39	1.39	1.87	72.50
XTE_040/720-29	29	SM30	40	1.35	1.81	6.0	10.1	21.2	0.43	2.14	2.87	62.90
XTE_040/720-43	43	SM40	40	2.02	2.71	6.0	12.0	33.1	0.67	3.34	4.48	60.50
XTE_040/720-58	58	SM41	20	2.33	3.12	7.3	14.9	29.2	0.49	2.97	3.98	78.40
XTE_040/720-86	86	SM31	40	4.05	5.42	8.5	17.5	59.0	0.68	4.81	6.44	84.20
XTE_040/720-173	173	SM42	20	6.98	9.36	15.3	31.1	91.8	0.73	9.29	12.44	75.20
XTE_050/1440-14	14	SM41	80	2.33	3.12	7.3	14.9	29.2	0.49	2.97	3.98	78.40
XTE_050/1440-22	22	SM40	80	2.02	2.71	6.0	12.0	33.1	0.67	3.34	4.48	60.50
XTE_050/1440-29	29	SM41	40	2.33	3.12	7.3	14.9	29.2	0.49	2.97	3.98	78.40
XTE_050/1440-43	43	SM43	40	3.46	4.64	8.9	17.5	48.1	0.56	4.14	5.55	83.60
XTE_050/1440-58	58	SM50	20	4.66	6.24	10.9	19.9	74.0	0.61	5.53	7.41	84.30
XTE_050/1440-86	86	SM42	40	6.98	9.36	15.3	31.1	91.8	0.73	9.29	12.44	75.20
XTE_050/1440-173	173	SM51	20	14.04	18.81	26.9	58.9	211.1	0.71	15.88	21.28	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 575 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	SM00	40	0.04	0.06	0.4	0.4	0.6	0.46	0.18	0.25	22.50
XTE_010/30-22	22	SM01	40	0.06	0.08	0.4	0.5	0.8	0.42	0.17	0.22	36.70
XTE_010/30-29	29	SM10	20	0.09	0.12	1.2	1.4	2.3	0.43	0.51	0.69	17.00
XTE_010/30-43	43	SM11	20	0.13	0.18	1.2	1.3	2.7	0.43	0.51	0.69	25.60
XTE_010/30-58	58	SM04	20	0.17	0.23	1.1	2.0	2.7	0.47	0.51	0.69	33.30
XTE_010/30-86	86	SM05	20	0.26	0.35	1.0	2.1	4.2	0.56	0.56	0.75	46.40
XTE_010/30-173	173	SM06	20	0.51	0.68	1.4	2.1	5.9	0.71	0.99	1.33	51.10
XTE_010/90-14	14	SM10	40	0.09	0.12	1.2	1.4	2.3	0.43	0.51	0.69	17.00
XTE_010/90-22	22	SM11	40	0.13	0.18	1.2	1.3	2.7	0.43	0.51	0.69	25.60
XTE_010/90-29	29	SM12	20	0.15	0.20	1.6	1.7	2.7	0.46	0.73	0.98	20.40
XTE_010/90-43	43	SM13	20	0.22	0.30	1.7	2.1	3.4	0.41	0.69	0.93	32.40
XTE_010/90-58	58	SM14	20	0.34	0.45	1.4	1.7	5.0	0.46	0.64	0.86	52.80
XTE_010/90-86	86	SM15	20	0.46	0.61	1.8	2.5	7.2	0.55	0.99	1.32	46.40
XTE_010/90-173	173	SM16	20	0.87	1.16	2.3	3.9	12.3	0.67	1.53	2.06	56.50
XTE_020/180-22	22	SM13	40	0.22	0.30	1.7	2.1	3.4	0.41	0.69	0.93	32.40
XTE_020/180-29	29	SM14	40	0.34	0.45	1.4	1.7	5.0	0.46	0.64	0.86	52.80
XTE_020/180-43	43	SM15	40	0.46	0.61	1.8	2.5	7.2	0.55	0.99	1.32	46.40
XTE_020/180-58	58	SM21	20	0.62	0.83	2.3	3.9	7.7	0.43	0.98	1.32	63.10
XTE_020/180-86	86	SM22	20	0.95	1.28	2.6	5.1	11.4	0.61	1.58	2.12	60.30
XTE_020/180-173	173	SM23	20	1.78	2.39	4.3	7.0	23.0	0.67	2.87	3.84	62.10
XTE_030/360-14	14	SM21	80	0.62	0.83	2.3	3.9	7.7	0.43	0.98	1.32	63.10
XTE_030/360-22	22	SM32	40	0.60	0.81	2.6	3.4	8.2	0.39	1.00	1.34	60.60
XTE_030/360-29	29	SM21	40	0.62	0.83	2.3	3.9	7.7	0.43	0.98	1.32	63.10
XTE_030/360-58	58	SM30	20	1.35	1.80	5.0	8.4	17.7	0.43	2.14	2.87	62.90
XTE_030/360-86	86	SM23	40	1.78	2.39	4.3	7.0	23.0	0.67	2.87	3.84	62.10
XTE_030/360-173	173	SM31	20	4.05	5.43	7.1	14.6	49.2	0.68	4.81	6.44	84.20
XTE_040/720-14	14	SM30	80	1.35	1.80	5.0	8.4	17.7	0.43	2.14	2.87	62.90
XTE_040/720-22	22	SM44	40	1.01	1.36	3.6	6.1	11.7	0.39	1.40	1.87	72.50
XTE_040/720-29	29	SM30	40	1.35	1.80	5.0	8.4	17.7	0.43	2.14	2.87	62.90
XTE_040/720-43	43	SM40	40	2.02	2.70	5.0	10.0	27.6	0.67	3.34	4.47	60.50
XTE_040/720-58	58	SM41	20	2.33	3.13	6.1	12.4	24.3	0.49	2.98	3.99	78.40
XTE_040/720-86	86	SM31	40	4.05	5.43	7.1	14.6	49.2	0.68	4.81	6.44	84.20
XTE_040/720-173	173	SM42	20	7.00	9.38	12.8	25.9	76.6	0.73	9.31	12.47	75.20
XTE_050/1440-14	14	SM41	80	2.33	3.13	6.1	12.4	24.3	0.49	2.98	3.99	78.40
XTE_050/1440-22	22	SM40	80	2.02	2.70	5.0	10.0	27.6	0.67	3.34	4.47	60.50
XTE_050/1440-29	29	SM41	40	2.33	3.13	6.1	12.4	24.3	0.49	2.98	3.99	78.40
XTE_050/1440-43	43	SM43	40	3.45	4.62	7.4	14.6	40.1	0.56	4.13	5.53	83.60
XTE_050/1440-58	58	SM50	20	4.66	6.24	9.1	16.6	61.8	0.61	5.53	7.41	84.30
XTE_050/1440-86	86	SM42	40	7.00	9.38	12.8	25.9	76.6	0.73	9.31	12.47	75.20
XTE_050/1440-173	173	SM51	20	14.06	18.85	22.5	49.2	176.3	0.71	15.91	21.32	88.40

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

Short time duty (S2-30')

3-ph 220 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.8	0.9	1.1	0.46	0.14	0.19	23.1
XTE_010/30-18	18	TM01	40	0.05	0.07	0.8	1.0	1.4	0.42	0.13	0.17	38.3
XTE_010/30-24	24	TM10	20	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.3
XTE_010/30-36	36	TM11	20	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.9
XTE_010/30-48	48	TM04	20	0.15	0.19	2.4	4.3	5.0	0.47	0.43	0.58	33.8
XTE_010/30-72	72	TM05	20	0.22	0.29	2.2	4.6	7.8	0.56	0.47	0.63	46.3
XTE_010/30-144	144	TM06	20	0.43	0.58	3.1	4.5	10.8	0.71	0.84	1.12	51.3
XTE_010/90-12	12	TM10	40	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.3
XTE_010/90-18	18	TM11	40	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.9
XTE_010/90-24	24	TM12	20	0.12	0.16	3.5	3.7	5.0	0.46	0.61	0.82	20.0
XTE_010/90-36	36	TM13	20	0.18	0.24	3.6	4.6	6.3	0.41	0.56	0.75	32.1
XTE_010/90-48	48	TM14	20	0.28	0.38	3.1	3.7	9.2	0.46	0.54	0.73	51.9
XTE_010/90-72	72	TM15	20	0.36	0.48	3.8	5.3	13.3	0.55	0.80	1.07	45.0
XTE_010/90-144	144	TM16	20	0.74	0.99	5.1	8.5	22.6	0.67	1.30	1.74	56.6
XTE_020/180-18	18	TM13	40	0.18	0.24	3.6	4.6	6.3	0.41	0.56	0.75	32.1
XTE_020/180-24	24	TM14	40	0.28	0.38	3.1	3.7	9.2	0.46	0.54	0.73	51.9
XTE_020/180-36	36	TM15	40	0.36	0.48	3.8	5.3	13.3	0.55	0.80	1.07	45.0
XTE_020/180-48	48	TM21	20	0.52	0.70	5.1	8.5	14.1	0.43	0.84	1.12	62.7
XTE_020/180-72	72	TM22	20	0.77	1.04	5.6	11.0	21.0	0.61	1.30	1.74	59.5
XTE_020/180-144	144	TM23	20	1.48	1.98	9.3	15.1	42.4	0.67	2.37	3.18	62.3
XTE_030/360-24	24	TM21	40	0.52	0.70	5.1	8.5	14.1	0.43	0.84	1.12	62.7
XTE_030/360-48	48	TM30	20	1.12	1.51	10.9	18.3	32.6	0.43	1.79	2.39	62.9
XTE_030/360-72	72	TM23	40	1.48	1.98	9.3	15.1	42.4	0.67	2.37	3.18	62.3
XTE_030/360-144	144	TM31	20	3.37	4.52	15.5	31.8	90.8	0.68	4.02	5.38	84.0
XTE_040/720-24	24	TM30	40	1.12	1.51	10.9	18.3	32.6	0.43	1.79	2.39	62.9
XTE_040/720-36	36	TM40	40	1.68	2.25	10.9	21.7	50.9	0.67	2.78	3.73	60.4
XTE_040/720-72	72	TM31	40	3.37	4.52	15.5	31.8	90.8	0.68	4.02	5.38	84.0

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 230 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.7	0.8	1.1	0.46	0.13	0.17	22.4
XTE_010/30-18	18	TM01	40	0.05	0.06	0.8	1.0	1.5	0.42	0.13	0.18	35.9
XTE_010/30-24	24	TM10	20	0.07	0.09	2.4	3.0	4.5	0.43	0.41	0.55	17.0
XTE_010/30-36	36	TM11	20	0.10	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.4
XTE_010/30-48	48	TM04	20	0.14	0.19	2.3	4.2	5.2	0.47	0.43	0.58	33.5
XTE_010/30-72	72	TM05	20	0.21	0.29	2.1	4.5	8.2	0.56	0.47	0.63	45.8
XTE_010/30-144	144	TM06	20	0.43	0.58	3.0	4.4	11.3	0.71	0.85	1.14	50.9
XTE_010/90-12	12	TM10	40	0.07	0.09	2.4	3.0	4.5	0.43	0.41	0.55	17.0
XTE_010/90-18	18	TM11	40	0.10	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.4
XTE_010/90-24	24	TM12	20	0.12	0.16	3.3	3.7	5.2	0.46	0.60	0.81	20.2
XTE_010/90-36	36	TM13	20	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.4
XTE_010/90-48	48	TM14	20	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	52.8
XTE_010/90-72	72	TM15	20	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.9
XTE_010/90-144	144	TM16	20	0.74	0.99	4.9	8.4	23.7	0.67	1.31	1.75	56.6
XTE_020/180-18	18	TM13	40	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.4
XTE_020/180-24	24	TM14	40	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	52.8
XTE_020/180-36	36	TM15	40	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.9
XTE_020/180-48	48	TM21	20	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.1
XTE_020/180-72	72	TM22	20	0.79	1.06	5.4	10.8	21.9	0.61	1.31	1.76	60.2
XTE_020/180-144	144	TM23	20	1.48	1.98	8.9	14.8	44.4	0.67	2.38	3.18	62.1
XTE_030/360-24	24	TM21	40	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.1
XTE_030/360-48	48	TM30	20	1.12	1.50	10.4	17.9	34.1	0.43	1.78	2.39	62.8
XTE_030/360-72	72	TM23	40	1.48	1.98	8.9	14.8	44.4	0.67	2.38	3.18	62.1
XTE_030/360-144	144	TM31	20	3.37	4.52	14.8	31.1	95.0	0.68	4.01	5.37	84.1
XTE_040/720-24	24	TM30	40	1.12	1.50	10.4	17.9	34.1	0.43	1.78	2.39	62.8
XTE_040/720-36	36	TM40	40	1.68	2.25	10.4	21.2	53.2	0.67	2.78	3.72	60.5
XTE_040/720-72	72	TM31	40	3.37	4.52	14.8	31.1	95.0	0.68	4.01	5.37	84.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 240 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.7	0.8	1.2	0.46	0.13	0.18	23.1
XTE_010/30-18	18	TM01	40	0.05	0.06	0.7	0.9	1.5	0.42	0.12	0.16	38.3
XTE_010/30-24	24	TM10	20	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.3
XTE_010/30-36	36	TM11	20	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.9
XTE_010/30-48	48	TM04	20	0.15	0.19	2.2	4.1	5.4	0.47	0.43	0.58	33.8
XTE_010/30-72	72	TM05	20	0.22	0.29	2.0	4.4	8.5	0.56	0.47	0.62	46.3
XTE_010/30-144	144	TM06	20	0.42	0.57	2.8	4.3	11.8	0.71	0.83	1.11	51.3
XTE_010/90-12	12	TM10	40	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.3
XTE_010/90-18	18	TM11	40	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.9
XTE_010/90-24	24	TM12	20	0.12	0.16	3.2	3.6	5.4	0.46	0.61	0.82	20.0
XTE_010/90-36	36	TM13	20	0.18	0.24	3.3	4.4	6.9	0.41	0.56	0.75	32.1
XTE_010/90-48	48	TM14	20	0.28	0.37	2.8	3.6	10.0	0.46	0.54	0.72	51.9
XTE_010/90-72	72	TM15	20	0.36	0.48	3.5	5.1	14.5	0.55	0.80	1.07	45.0
XTE_010/90-144	144	TM16	20	0.74	0.99	4.7	8.2	24.7	0.67	1.31	1.75	56.2
XTE_020/180-18	18	TM13	40	0.18	0.24	3.3	4.4	6.9	0.41	0.56	0.75	32.1
XTE_020/180-24	24	TM14	40	0.28	0.37	2.8	3.6	10.0	0.46	0.54	0.72	51.9
XTE_020/180-36	36	TM15	40	0.36	0.48	3.5	5.1	14.5	0.55	0.80	1.07	45.0
XTE_020/180-48	48	TM21	20	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	62.7
XTE_020/180-72	72	TM22	20	0.78	1.05	5.2	10.6	22.9	0.61	1.32	1.77	59.5
XTE_020/180-144	144	TM23	20	1.47	1.98	8.5	14.5	46.3	0.67	2.37	3.17	62.3
XTE_030/360-24	24	TM21	40	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	62.7
XTE_030/360-48	48	TM30	20	1.12	1.51	10.0	17.5	35.6	0.43	1.79	2.40	62.9
XTE_030/360-72	72	TM23	40	1.47	1.98	8.5	14.5	46.3	0.67	2.37	3.17	62.3
XTE_030/360-144	144	TM31	20	3.37	4.52	14.2	30.5	99.1	0.68	4.01	5.38	84.0
XTE_040/720-24	24	TM30	40	1.12	1.51	10.0	17.5	35.6	0.43	1.79	2.40	62.9
XTE_040/720-36	36	TM40	40	1.68	2.25	10.0	20.8	55.5	0.67	2.79	3.73	60.4
XTE_040/720-72	72	TM31	40	3.37	4.52	14.2	30.5	99.1	0.68	4.01	5.38	84.0

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 380 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.6	0.46	0.12	0.16	23.1
XTE_010/30-18	18	TM01	40	0.05	0.07	0.5	0.6	0.8	0.42	0.14	0.19	38.3
XTE_010/30-24	24	TM10	20	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.3
XTE_010/30-36	36	TM11	20	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.9
XTE_010/30-48	48	TM04	20	0.15	0.20	1.4	2.5	2.9	0.47	0.43	0.58	33.8
XTE_010/30-72	72	TM05	20	0.22	0.30	1.3	2.7	4.5	0.56	0.48	0.64	46.3
XTE_010/30-144	144	TM06	20	0.43	0.58	1.8	2.6	6.2	0.71	0.84	1.13	51.3
XTE_010/90-12	12	TM10	40	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.3
XTE_010/90-18	18	TM11	40	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.9
XTE_010/90-24	24	TM12	20	0.12	0.16	2.0	2.2	2.9	0.46	0.61	0.81	20.3
XTE_010/90-36	36	TM13	20	0.18	0.24	2.1	2.7	3.6	0.41	0.57	0.76	32.1
XTE_010/90-48	48	TM14	20	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.0
XTE_010/90-72	72	TM15	20	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.9
XTE_010/90-144	144	TM16	20	0.75	1.00	3.0	4.9	12.9	0.67	1.32	1.77	56.5
XTE_020/180-18	18	TM13	40	0.18	0.24	2.1	2.7	3.6	0.41	0.57	0.76	32.1
XTE_020/180-24	24	TM14	40	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.0
XTE_020/180-36	36	TM15	40	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.9
XTE_020/180-48	48	TM21	20	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_020/180-72	72	TM22	20	0.80	1.08	3.3	6.4	12.0	0.61	1.32	1.78	60.7
XTE_020/180-144	144	TM23	20	1.48	1.99	5.4	8.7	24.2	0.67	2.38	3.19	62.3
XTE_030/360-24	24	TM21	40	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_030/360-48	48	TM30	20	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1
XTE_030/360-72	72	TM23	40	1.48	1.99	5.4	8.7	24.2	0.67	2.38	3.19	62.3
XTE_030/360-144	144	TM31	20	3.39	4.54	9.0	18.4	51.9	0.68	4.03	5.40	84.2
XTE_040/720-24	24	TM30	40	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1
XTE_040/720-36	36	TM40	40	1.68	2.26	6.3	12.5	29.1	0.67	2.78	3.72	60.6
XTE_040/720-72	72	TM31	40	3.39	4.54	9.0	18.4	51.9	0.68	4.03	5.40	84.2

Notes:

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2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 400 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.13	0.17	23.1
XTE_010/30-18	18	TM01	40	0.04	0.06	0.4	0.6	0.9	0.42	0.12	0.16	38.3
XTE_010/30-24	24	TM10	20	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.3
XTE_010/30-36	36	TM11	20	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.9
XTE_010/30-48	48	TM04	20	0.14	0.19	1.3	2.4	3.0	0.47	0.42	0.57	33.8
XTE_010/30-72	72	TM05	20	0.22	0.29	1.2	2.6	4.7	0.56	0.47	0.62	46.3
XTE_010/30-144	144	TM06	20	0.43	0.57	1.7	2.5	6.5	0.71	0.84	1.12	51.3
XTE_010/90-12	12	TM10	40	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.3
XTE_010/90-18	18	TM11	40	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.9
XTE_010/90-24	24	TM12	20	0.12	0.16	1.9	2.1	3.0	0.46	0.61	0.81	20.3
XTE_010/90-36	36	TM13	20	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.9
XTE_010/90-48	48	TM14	20	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.0
XTE_010/90-72	72	TM15	20	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.9
XTE_010/90-144	144	TM16	20	0.73	0.98	2.8	4.8	13.6	0.67	1.30	1.74	56.5
XTE_020/180-18	18	TM13	40	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.9
XTE_020/180-24	24	TM14	40	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.0
XTE_020/180-36	36	TM15	40	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.9
XTE_020/180-48	48	TM21	20	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_020/180-72	72	TM22	20	0.79	1.06	3.1	6.2	12.6	0.61	1.31	1.76	60.2
XTE_020/180-144	144	TM23	20	1.47	1.98	5.1	8.5	25.5	0.67	2.37	3.17	62.3
XTE_030/360-24	24	TM21	40	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_030/360-48	48	TM30	20	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1
XTE_030/360-72	72	TM23	40	1.47	1.98	5.1	8.5	25.5	0.67	2.37	3.17	62.3
XTE_030/360-144	144	TM31	20	3.37	4.52	8.5	17.9	54.6	0.68	4.00	5.37	84.2
XTE_040/720-24	24	TM30	40	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1
XTE_040/720-36	36	TM40	40	1.69	2.26	6.0	12.2	30.6	0.67	2.79	3.73	60.6
XTE_040/720-72	72	TM31	40	3.37	4.52	8.5	17.9	54.6	0.68	4.00	5.37	84.2

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 415 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.13	0.18	23.1
XTE_010/30-18	18	TM01	40	0.05	0.06	0.4	0.5	0.9	0.42	0.12	0.16	38.3
XTE_010/30-24	24	TM10	20	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.3
XTE_010/30-36	36	TM11	20	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.9
XTE_010/30-48	48	TM04	20	0.15	0.20	1.3	2.4	3.1	0.47	0.44	0.59	33.8
XTE_010/30-72	72	TM05	20	0.22	0.30	1.2	2.6	4.9	0.56	0.48	0.65	46.3
XTE_010/30-144	144	TM06	20	0.42	0.56	1.6	2.5	6.7	0.71	0.82	1.09	51.3
XTE_010/90-12	12	TM10	40	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.3
XTE_010/90-18	18	TM11	40	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.9
XTE_010/90-24	24	TM12	20	0.12	0.16	1.8	2.1	3.1	0.46	0.60	0.80	20.3
XTE_010/90-36	36	TM13	20	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.9
XTE_010/90-48	48	TM14	20	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.0
XTE_010/90-72	72	TM15	20	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.5
XTE_010/90-144	144	TM16	20	0.73	0.98	2.7	4.7	14.1	0.67	1.30	1.74	56.5
XTE_020/180-18	18	TM13	40	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.9
XTE_020/180-24	24	TM14	40	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.0
XTE_020/180-36	36	TM15	40	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.5
XTE_020/180-48	48	TM21	20	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_020/180-72	72	TM22	20	0.79	1.06	3.0	6.1	13.1	0.61	1.32	1.76	60.2
XTE_020/180-144	144	TM23	20	1.47	1.97	4.9	8.3	26.5	0.67	2.36	3.16	62.3
XTE_030/360-24	24	TM21	40	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_030/360-48	48	TM30	20	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1
XTE_030/360-72	72	TM23	40	1.47	1.97	4.9	8.3	26.5	0.67	2.36	3.16	62.3
XTE_030/360-144	144	TM31	20	3.37	4.52	8.2	17.6	56.7	0.68	4.01	5.37	84.2
XTE_040/720-24	24	TM30	40	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1
XTE_040/720-36	36	TM40	40	1.69	2.27	5.8	12.0	31.8	0.67	2.79	3.74	60.6
XTE_040/720-72	72	TM31	40	3.37	4.52	8.2	17.6	56.7	0.68	4.01	5.37	84.2

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 440 V 50Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.14	0.19	21.4
XTE_010/30-18	18	TM01	40	0.05	0.06	0.4	0.5	0.9	0.42	0.13	0.17	35.4
XTE_010/30-24	24	TM10	20	0.07	0.10	1.4	1.7	2.7	0.43	0.46	0.61	16.1
XTE_010/30-36	36	TM11	20	0.11	0.15	1.4	1.6	3.1	0.43	0.46	0.61	24.1
XTE_010/30-48	48	TM04	20	0.15	0.20	1.3	2.4	3.1	0.47	0.47	0.62	32.3
XTE_010/30-72	72	TM05	20	0.22	0.30	1.2	2.6	4.9	0.56	0.51	0.69	43.5
XTE_010/30-144	144	TM06	20	0.42	0.56	1.6	2.5	6.7	0.71	0.87	1.16	48.4
XTE_010/90-12	12	TM10	40	0.07	0.10	1.4	1.7	2.7	0.43	0.46	0.61	16.1
XTE_010/90-18	18	TM11	40	0.11	0.15	1.4	1.6	3.1	0.43	0.46	0.61	24.1
XTE_010/90-24	24	TM12	20	0.12	0.16	1.8	2.1	3.1	0.46	0.63	0.85	19.1
XTE_010/90-36	36	TM13	20	0.18	0.24	1.9	2.6	3.9	0.41	0.59	0.80	30.7
XTE_010/90-48	48	TM14	20	0.28	0.38	1.6	2.1	5.7	0.46	0.56	0.75	50.2
XTE_010/90-72	72	TM15	20	0.37	0.49	2.0	3.0	8.3	0.55	0.84	1.12	43.7
XTE_010/90-144	144	TM16	20	0.74	0.99	2.7	4.7	14.1	0.67	1.38	1.85	53.7
XTE_020/180-18	18	TM13	40	0.18	0.24	1.9	2.6	3.9	0.41	0.59	0.80	30.7
XTE_020/180-24	24	TM14	40	0.28	0.38	1.6	2.1	5.7	0.46	0.56	0.75	50.2
XTE_020/180-36	36	TM15	40	0.37	0.49	2.0	3.0	8.3	0.55	0.84	1.12	43.7
XTE_020/180-48	48	TM21	20	0.53	0.71	2.7	4.7	8.8	0.43	0.88	1.19	59.8
XTE_020/180-72	72	TM22	20	0.79	1.06	3.0	6.1	13.1	0.61	1.39	1.87	56.8
XTE_020/180-144	144	TM23	20	1.47	1.96	4.9	8.3	26.5	0.67	2.50	3.35	58.6
XTE_030/360-24	24	TM21	40	0.53	0.71	2.7	4.7	8.8	0.43	0.88	1.19	59.8
XTE_030/360-48	48	TM30	20	1.13	1.51	5.8	10.1	20.3	0.43	1.90	2.55	59.4
XTE_030/360-72	72	TM23	40	1.47	1.96	4.9	8.3	26.5	0.67	2.50	3.35	58.6
XTE_030/360-144	144	TM31	20	3.37	4.52	8.2	17.6	56.7	0.68	4.25	5.69	79.4
XTE_040/720-24	24	TM30	40	1.13	1.51	5.8	10.1	20.3	0.43	1.90	2.55	59.4
XTE_040/720-36	36	TM40	40	1.69	2.27	5.8	12.0	31.8	0.67	2.96	3.97	57.1
XTE_040/720-72	72	TM31	40	3.37	4.52	8.2	17.6	56.7	0.68	4.25	5.69	79.4

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 660 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-12	12	TM00	40	0.04	0.05	0.3	0.3	0.4	0.46	0.16	0.21	23.1
XTE_010/30-18	18	TM01	40	0.04	0.06	0.3	0.3	0.5	0.42	0.14	0.19	30.8
XTE_010/30-24	24	TM10	20	0.08	0.10	0.9	1.0	1.6	0.43	0.44	0.59	17.1
XTE_010/30-36	36	TM11	20	0.12	0.16	0.9	1.0	1.8	0.43	0.44	0.59	26.8
XTE_010/30-48	48	TM04	20	0.14	0.19	0.8	1.5	1.8	0.47	0.43	0.58	33.3
XTE_010/30-72	72	TM05	20	0.20	0.27	0.7	1.6	2.9	0.56	0.45	0.60	45.7
XTE_010/30-144	144	TM06	20	0.41	0.55	1.0	1.5	3.9	0.71	0.81	1.09	50.6
XTE_010/90-12	12	TM10	40	0.08	0.10	0.9	1.0	1.6	0.43	0.44	0.59	17.1
XTE_010/90-18	18	TM11	40	0.12	0.16	0.9	1.0	1.8	0.43	0.44	0.59	26.8
XTE_010/90-24	24	TM12	20	0.13	0.17	1.2	1.3	1.8	0.46	0.63	0.85	20.0
XTE_010/90-36	36	TM13	20	0.19	0.25	1.2	1.6	2.3	0.41	0.56	0.75	32.9
XTE_010/90-48	48	TM14	20	0.28	0.37	1.0	1.3	3.3	0.46	0.53	0.70	53.0
XTE_010/90-72	72	TM15	20	0.38	0.51	1.3	1.8	4.9	0.55	0.82	1.10	46.5
XTE_010/90-144	144	TM16	20	0.74	0.99	1.7	2.9	8.2	0.67	1.30	1.74	56.5
XTE_020/180-18	18	TM13	40	0.19	0.25	1.2	1.6	2.3	0.41	0.56	0.75	32.9
XTE_020/180-24	24	TM14	40	0.28	0.37	1.0	1.3	3.3	0.46	0.53	0.70	53.0
XTE_020/180-36	36	TM15	40	0.38	0.51	1.3	1.8	4.9	0.55	0.82	1.10	46.5
XTE_020/180-48	48	TM21	20	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.4
XTE_020/180-72	72	TM22	20	0.80	1.07	1.9	3.8	7.6	0.61	1.32	1.78	60.2
XTE_020/180-144	144	TM23	20	1.48	1.98	3.1	5.2	15.5	0.67	2.37	3.18	62.3
XTE_030/360-24	24	TM21	40	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.4
XTE_030/360-48	48	TM30	20	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.1
XTE_030/360-72	72	TM23	40	1.48	1.98	3.1	5.2	15.5	0.67	2.37	3.18	62.3
XTE_030/360-144	144	TM31	20	3.40	4.56	5.2	10.9	33.1	0.68	4.04	5.42	84.2
XTE_040/720-24	24	TM30	40	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.1
XTE_040/720-36	36	TM40	40	1.67	2.24	3.6	7.4	18.6	0.67	2.76	3.69	60.6
XTE_040/720-72	72	TM31	40	3.40	4.56	5.2	10.9	33.1	0.68	4.04	5.42	84.2

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 280 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	TM00	40	0.04	0.05	0.7	0.8	1.2	0.46	0.16	0.21	22.5
XTE_010/30-22	22	TM01	40	0.06	0.08	0.8	0.9	1.6	0.42	0.16	0.22	36.7
XTE_010/30-29	29	TM10	20	0.08	0.11	2.4	2.9	4.8	0.43	0.50	0.67	16.0
XTE_010/30-43	43	TM11	20	0.12	0.16	2.4	2.7	5.6	0.43	0.50	0.67	24.0
XTE_010/30-58	58	TM04	20	0.17	0.23	2.2	4.0	5.6	0.47	0.50	0.67	34.0
XTE_010/30-86	86	TM05	20	0.27	0.36	2.1	4.4	8.7	0.56	0.57	0.76	46.6
XTE_010/30-173	173	TM06	20	0.51	0.68	2.9	4.2	12.0	0.71	1.00	1.34	51.1
XTE_010/90-14	14	TM10	40	0.08	0.11	2.4	2.9	4.8	0.43	0.50	0.67	16.0
XTE_010/90-22	22	TM11	40	0.12	0.16	2.4	2.7	5.6	0.43	0.50	0.67	24.0
XTE_010/90-29	29	TM12	20	0.14	0.19	3.3	3.5	5.6	0.46	0.74	0.99	19.4
XTE_010/90-43	43	TM13	20	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.4
XTE_010/90-58	58	TM14	20	0.34	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.1
XTE_010/90-86	86	TM15	20	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.8
XTE_010/90-173	173	TM16	20	0.88	1.18	4.8	8.1	25.2	0.67	1.56	2.09	56.4
XTE_020/180-22	22	TM13	40	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.4
XTE_020/180-29	29	TM14	40	0.34	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.1
XTE_020/180-43	43	TM15	40	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.8
XTE_020/180-58	58	TM21	20	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.0
XTE_020/180-86	86	TM22	20	0.95	1.27	5.3	10.4	23.3	0.61	1.57	2.10	60.5
XTE_020/180-173	173	TM23	20	1.75	2.35	8.7	14.3	47.2	0.67	2.83	3.79	62.0
XTE_030/360-29	29	TM21	40	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.0
XTE_030/360-58	58	TM30	20	1.36	1.82	10.3	17.3	36.3	0.43	2.15	2.88	63.1
XTE_030/360-86	86	TM23	40	1.75	2.35	8.7	14.3	47.2	0.67	2.83	3.79	62.0
XTE_030/360-173	173	TM31	20	4.05	5.43	14.6	30.1	101.1	0.68	4.81	6.45	84.2
XTE_040/720-29	29	TM30	40	1.36	1.82	10.3	17.3	36.3	0.43	2.15	2.88	63.1
XTE_040/720-43	43	TM40	40	2.02	2.71	10.3	20.5	56.7	0.67	3.35	4.48	60.5
XTE_040/720-86	86	TM31	40	4.05	5.43	14.6	30.1	101.1	0.68	4.81	6.45	84.2

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 400 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	TM00	40	0.04	0.05	0.5	0.6	0.8	0.46	0.16	0.21	24.0
XTE_010/30-22	22	TM01	40	0.05	0.07	0.5	0.7	1.1	0.42	0.15	0.19	36.7
XTE_010/30-29	29	TM10	20	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.4
XTE_010/30-43	43	TM11	20	0.13	0.18	1.7	1.9	3.9	0.43	0.51	0.68	26.1
XTE_010/30-58	58	TM04	20	0.17	0.23	1.5	2.8	3.9	0.47	0.49	0.65	34.7
XTE_010/30-86	86	TM05	20	0.26	0.34	1.4	3.1	6.1	0.56	0.54	0.73	47.2
XTE_010/30-173	173	TM06	20	0.51	0.69	2.0	2.9	8.4	0.71	0.98	1.32	52.1
XTE_010/90-14	14	TM10	40	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.4
XTE_010/90-22	22	TM11	40	0.13	0.18	1.7	1.9	3.9	0.43	0.51	0.68	26.1
XTE_010/90-29	29	TM12	20	0.15	0.19	2.2	2.5	3.9	0.46	0.70	0.94	20.7
XTE_010/90-43	43	TM13	20	0.23	0.30	2.4	3.1	4.9	0.41	0.68	0.91	33.3
XTE_010/90-58	58	TM14	20	0.35	0.46	2.0	2.5	7.1	0.46	0.64	0.85	54.4
XTE_010/90-86	86	TM15	20	0.45	0.60	2.5	3.5	10.4	0.55	0.95	1.28	46.9
XTE_010/90-173	173	TM16	20	0.89	1.19	3.3	5.6	17.6	0.67	1.53	2.05	58.0
XTE_020/180-22	22	TM13	40	0.23	0.30	2.4	3.1	4.9	0.41	0.68	0.91	33.3
XTE_020/180-29	29	TM14	40	0.35	0.46	2.0	2.5	7.1	0.46	0.64	0.85	54.4
XTE_020/180-43	43	TM15	40	0.45	0.60	2.5	3.5	10.4	0.55	0.95	1.28	46.9
XTE_020/180-58	58	TM21	20	0.63	0.85	3.3	5.6	11.0	0.43	0.98	1.32	64.4
XTE_020/180-86	86	TM22	20	0.96	1.29	3.7	7.3	16.3	0.61	1.56	2.10	61.4
XTE_020/180-173	173	TM23	20	1.77	2.37	6.0	10.0	33.1	0.67	2.79	3.73	63.5
XTE_030/360-29	29	TM21	40	0.63	0.85	3.3	5.6	11.0	0.43	0.98	1.32	64.4
XTE_030/360-58	58	TM30	20	1.36	1.82	7.1	12.1	25.4	0.43	2.12	2.83	64.1
XTE_030/360-86	86	TM23	40	1.77	2.37	6.0	10.0	33.1	0.67	2.79	3.73	63.5
XTE_030/360-173	173	TM31	20	4.04	5.42	10.0	21.1	70.8	0.68	4.71	6.31	85.8
XTE_040/720-29	29	TM30	40	1.36	1.82	7.1	12.1	25.4	0.43	2.12	2.83	64.1
XTE_040/720-43	43	TM40	40	2.04	2.73	7.1	14.4	39.7	0.67	3.30	4.42	61.8
XTE_040/720-86	86	TM31	40	4.04	5.42	10.0	21.1	70.8	0.68	4.71	6.31	85.8

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 440 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	TM00	40	0.04	0.06	0.5	0.5	0.6	0.46	0.18	0.23	24.0
XTE_010/30-22	22	TM01	40	0.06	0.08	0.5	0.6	0.8	0.42	0.16	0.21	36.7
XTE_010/30-29	29	TM10	20	0.09	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.4
XTE_010/30-43	43	TM11	20	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	26.1
XTE_010/30-58	58	TM04	20	0.17	0.23	1.4	2.5	3.0	0.47	0.50	0.67	34.7
XTE_010/30-86	86	TM05	20	0.26	0.35	1.3	2.7	4.7	0.56	0.55	0.74	47.2
XTE_010/30-173	173	TM06	20	0.51	0.68	1.8	2.6	6.4	0.71	0.97	1.31	52.1
XTE_010/90-14	14	TM10	40	0.09	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.4
XTE_010/90-22	22	TM11	40	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	26.1
XTE_010/90-29	29	TM12	20	0.15	0.19	2.0	2.2	3.0	0.46	0.70	0.94	20.7
XTE_010/90-43	43	TM13	20	0.22	0.29	2.1	2.7	3.8	0.41	0.66	0.88	33.3
XTE_010/90-58	58	TM14	20	0.34	0.46	1.8	2.2	5.5	0.46	0.63	0.85	54.4
XTE_010/90-86	86	TM15	20	0.45	0.61	2.3	3.1	7.9	0.55	0.96	1.29	46.9
XTE_010/90-173	173	TM16	20	0.89	1.19	3.0	4.9	13.5	0.67	1.53	2.05	58.0
XTE_020/180-22	22	TM13	40	0.22	0.29	2.1	2.7	3.8	0.41	0.66	0.88	33.3
XTE_020/180-29	29	TM14	40	0.34	0.46	1.8	2.2	5.5	0.46	0.63	0.85	54.4
XTE_020/180-43	43	TM15	40	0.45	0.61	2.3	3.1	7.9	0.55	0.96	1.29	46.9
XTE_020/180-58	58	TM21	20	0.63	0.85	3.0	4.9	8.4	0.43	0.98	1.32	64.4
XTE_020/180-86	86	TM22	20	0.95	1.27	3.3	6.4	12.5	0.61	1.53	2.06	61.8
XTE_020/180-173	173	TM23	20	1.78	2.39	5.5	8.7	25.3	0.67	2.81	3.76	63.5
XTE_030/360-29	29	TM21	40	0.63	0.85	3.0	4.9	8.4	0.43	0.98	1.32	64.4
XTE_030/360-58	58	TM30	20	1.34	1.80	6.4	10.5	19.4	0.43	2.10	2.81	64.1
XTE_030/360-86	86	TM23	40	1.78	2.39	5.5	8.7	25.3	0.67	2.81	3.76	63.5
XTE_030/360-173	173	TM31	20	4.05	5.42	9.1	18.3	54.1	0.68	4.72	6.32	85.8
XTE_040/720-29	29	TM30	40	1.34	1.80	6.4	10.5	19.4	0.43	2.10	2.81	64.1
XTE_040/720-43	43	TM40	40	2.02	2.71	6.4	12.5	30.3	0.67	3.27	4.38	61.8
XTE_040/720-86	86	TM31	40	4.05	5.42	9.1	18.3	54.1	0.68	4.72	6.32	85.8

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 460 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	TM00	40	0.04	0.05	0.4	0.5	0.7	0.46	0.15	0.20	24.0
XTE_010/30-22	22	TM01	40	0.06	0.08	0.5	0.6	0.9	0.42	0.17	0.22	36.7
XTE_010/30-29	29	TM10	20	0.08	0.11	1.4	1.7	2.7	0.43	0.48	0.64	17.4
XTE_010/30-43	43	TM11	20	0.13	0.17	1.4	1.6	3.1	0.43	0.48	0.64	26.1
XTE_010/30-58	58	TM04	20	0.17	0.23	1.3	2.4	3.1	0.47	0.49	0.65	34.7
XTE_010/30-86	86	TM05	20	0.25	0.34	1.2	2.6	4.9	0.56	0.54	0.72	47.2
XTE_010/30-173	173	TM06	20	0.50	0.67	1.7	2.5	6.7	0.71	0.96	1.29	52.1
XTE_010/90-14	14	TM10	40	0.08	0.11	1.4	1.7	2.7	0.43	0.48	0.64	17.4
XTE_010/90-22	22	TM11	40	0.13	0.17	1.4	1.6	3.1	0.43	0.48	0.64	26.1
XTE_010/90-29	29	TM12	20	0.14	0.19	1.9	2.1	3.1	0.46	0.70	0.93	20.7
XTE_010/90-43	43	TM13	20	0.23	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.8
XTE_010/90-58	58	TM14	20	0.34	0.45	1.7	2.1	5.7	0.46	0.62	0.83	54.4
XTE_010/90-86	86	TM15	20	0.45	0.61	2.2	3.0	8.3	0.55	0.96	1.29	46.9
XTE_010/90-173	173	TM16	20	0.90	1.20	2.9	4.8	14.1	0.67	1.55	2.07	58.0
XTE_020/180-22	22	TM13	40	0.23	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.8
XTE_020/180-29	29	TM14	40	0.34	0.45	1.7	2.1	5.7	0.46	0.62	0.83	54.4
XTE_020/180-43	43	TM15	40	0.45	0.61	2.2	3.0	8.3	0.55	0.96	1.29	46.9
XTE_020/180-58	58	TM21	20	0.64	0.86	2.9	4.8	8.8	0.43	0.99	1.33	64.4
XTE_020/180-86	86	TM22	20	0.95	1.28	3.2	6.2	13.0	0.61	1.56	2.08	61.4
XTE_020/180-173	173	TM23	20	1.76	2.36	5.2	8.5	26.4	0.67	2.78	3.72	63.5
XTE_030/360-29	29	TM21	40	0.64	0.86	2.9	4.8	8.8	0.43	0.99	1.33	64.4
XTE_030/360-58	58	TM30	20	1.34	1.80	6.1	10.3	20.3	0.43	2.09	2.80	64.1
XTE_030/360-86	86	TM23	40	1.76	2.36	5.2	8.5	26.4	0.67	2.78	3.72	63.5
XTE_030/360-173	173	TM31	20	4.05	5.43	8.7	17.9	56.5	0.68	4.71	6.32	86.0
XTE_040/720-29	29	TM30	40	1.34	1.80	6.1	10.3	20.3	0.43	2.09	2.80	64.1
XTE_040/720-43	43	TM40	40	2.01	2.70	6.1	12.2	31.7	0.67	3.26	4.36	61.8
XTE_040/720-86	86	TM31	40	4.05	5.43	8.7	17.9	56.5	0.68	4.71	6.32	86.0

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 480 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010/30-14	14	TM00	40	0.04	0.05	0.4	0.5	0.7	0.46	0.15	0.20	24.0
XTE_010/30-22	22	TM01	40	0.05	0.07	0.4	0.5	0.9	0.42	0.14	0.19	36.7
XTE_010/30-29	29	TM10	20	0.09	0.12	1.4	1.7	2.8	0.43	0.50	0.67	17.4
XTE_010/30-43	43	TM11	20	0.13	0.18	1.4	1.6	3.2	0.43	0.50	0.67	26.1
XTE_010/30-58	58	TM04	20	0.18	0.24	1.3	2.4	3.2	0.47	0.51	0.68	34.7
XTE_010/30-86	86	TM05	20	0.26	0.35	1.2	2.6	5.1	0.56	0.56	0.75	47.2
XTE_010/30-173	173	TM06	20	0.52	0.70	1.7	2.5	7.0	0.71	1.00	1.34	52.1
XTE_010/90-14	14	TM10	40	0.09	0.12	1.4	1.7	2.8	0.43	0.50	0.67	17.4
XTE_010/90-22	22	TM11	40	0.13	0.18	1.4	1.6	3.2	0.43	0.50	0.67	26.1
XTE_010/90-29	29	TM12	20	0.15	0.20	1.9	2.1	3.2	0.46	0.73	0.97	20.7
XTE_010/90-43	43	TM13	20	0.23	0.30	2.0	2.6	4.1	0.41	0.68	0.91	33.3
XTE_010/90-58	58	TM14	20	0.35	0.47	1.7	2.1	5.9	0.46	0.65	0.87	54.4
XTE_010/90-86	86	TM15	20	0.45	0.60	2.1	2.9	8.6	0.55	0.96	1.29	46.9
XTE_010/90-173	173	TM16	20	0.87	1.17	2.7	4.7	14.7	0.67	1.50	2.02	58.0
XTE_020/180-22	22	TM13	40	0.23	0.30	2.0	2.6	4.1	0.41	0.68	0.91	33.3
XTE_020/180-29	29	TM14	40	0.35	0.47	1.7	2.1	5.9	0.46	0.65	0.87	54.4
XTE_020/180-43	43	TM15	40	0.45	0.60	2.1	2.9	8.6	0.55	0.96	1.29	46.9
XTE_020/180-58	58	TM21	20	0.62	0.83	2.7	4.7	9.2	0.43	0.97	1.29	64.4
XTE_020/180-86	86	TM22	20	0.93	1.25	3.0	6.1	13.6	0.61	1.52	2.04	61.4
XTE_020/180-173	173	TM23	20	1.77	2.37	5.0	8.3	27.5	0.67	2.79	3.73	63.5
XTE_030/360-29	29	TM21	40	0.62	0.83	2.7	4.7	9.2	0.43	0.97	1.29	64.4
XTE_030/360-58	58	TM30	20	1.35	1.81	5.9	10.1	21.2	0.43	2.11	2.83	64.1
XTE_030/360-86	86	TM23	40	1.77	2.37	5.0	8.3	27.5	0.67	2.79	3.73	63.5
XTE_030/360-173	173	TM31	20	4.04	5.41	8.3	17.5	59.0	0.68	4.69	6.29	86.0
XTE_040/720-29	29	TM30	40	1.35	1.81	5.9	10.1	21.2	0.43	2.11	2.83	64.1
XTE_040/720-43	43	TM40	40	2.03	2.72	5.9	12.0	33.1	0.67	3.29	4.40	61.8
XTE_040/720-86	86	TM31	40	4.04	5.41	8.3	17.5	59.0	0.68	4.69	6.29	86.0

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

Modulating Duty (S4-50% 1200 St/h)
3-ph 220 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.8	0.9	1.1	0.46	0.14	0.19	23.1
XTE_010R/30-18	18	TM01	40	0.05	0.07	0.8	1.0	1.4	0.42	0.13	0.17	38.3
XTE_010R/30-24	24	TM10	20	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.3
XTE_010R/30-36	36	TM11	20	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.9
XTE_010R/30-48	48	TM04	20	0.15	0.19	2.4	4.3	5.0	0.47	0.43	0.58	33.8
XTE_010R/30-72	72	TM05	20	0.22	0.29	2.2	4.6	7.8	0.56	0.47	0.63	46.3
XTE_010R/90-12	12	TM10	40	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.3
XTE_010R/90-18	18	TM11	40	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.9
XTE_010R/90-24	24	TM12	20	0.12	0.16	3.5	3.7	5.0	0.46	0.61	0.82	20.0
XTE_010R/90-36	36	TM13	20	0.18	0.24	3.6	4.6	6.3	0.41	0.56	0.75	32.1
XTE_010R/90-48	48	TM14	20	0.28	0.38	3.1	3.7	9.2	0.46	0.54	0.73	51.9
XTE_010R/90-72	72	TM15	20	0.36	0.48	3.8	5.3	13.3	0.55	0.80	1.07	45.0
XTE_020R/180-18	18	TM13	40	0.18	0.24	3.6	4.6	6.3	0.41	0.56	0.75	32.1
XTE_020R/180-24	24	TM14	40	0.28	0.38	3.1	3.7	9.2	0.46	0.54	0.73	51.9
XTE_020R/180-36	36	TM15	40	0.36	0.48	3.8	5.3	13.3	0.55	0.80	1.07	45.0
XTE_020R/180-48	48	TM21	20	0.52	0.70	5.1	8.5	14.1	0.43	0.84	1.12	62.7
XTE_020R/180-72	72	TM22	20	0.77	1.04	5.6	11.0	21.0	0.61	1.30	1.74	59.5
XTE_030R/360-24	24	TM21	40	0.52	0.70	5.1	8.5	14.1	0.43	0.84	1.12	62.7
XTE_030R/360-48	48	TM30	20	1.12	1.51	10.9	18.3	32.6	0.43	1.79	2.39	62.9
XTE_040R/720-24	24	TM30	40	1.12	1.51	10.9	18.3	32.6	0.43	1.79	2.39	62.9

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 230 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.7	0.8	1.1	0.46	0.13	0.17	22.4
XTE_010R/30-18	18	TM01	40	0.05	0.06	0.8	1.0	1.5	0.42	0.13	0.18	35.9
XTE_010R/30-24	24	TM10	20	0.07	0.09	2.4	3.0	4.5	0.43	0.41	0.55	17.0
XTE_010R/30-36	36	TM11	20	0.10	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.4
XTE_010R/30-48	48	TM04	20	0.14	0.19	2.3	4.2	5.2	0.47	0.43	0.58	33.5
XTE_010R/30-72	72	TM05	20	0.21	0.29	2.1	4.5	8.2	0.56	0.47	0.63	45.8
XTE_010R/90-12	12	TM10	40	0.07	0.09	2.4	3.0	4.5	0.43	0.41	0.55	17.0
XTE_010R/90-18	18	TM11	40	0.10	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.4
XTE_010R/90-24	24	TM12	20	0.12	0.16	3.3	3.7	5.2	0.46	0.60	0.81	20.2
XTE_010R/90-36	36	TM13	20	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.4
XTE_010R/90-48	48	TM14	20	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	52.8
XTE_010R/90-72	72	TM15	20	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.9
XTE_020R/180-18	18	TM13	40	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.4
XTE_020R/180-24	24	TM14	40	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	52.8
XTE_020R/180-36	36	TM15	40	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.9
XTE_020R/180-48	48	TM21	20	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.1
XTE_020R/180-72	72	TM22	20	0.79	1.06	5.4	10.8	21.9	0.61	1.31	1.76	60.2
XTE_030R/360-24	24	TM21	40	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.1
XTE_030R/360-48	48	TM30	20	1.12	1.50	10.4	17.9	34.1	0.43	1.78	2.39	62.8
XTE_040R/720-24	24	TM30	40	1.12	1.50	10.4	17.9	34.1	0.43	1.78	2.39	62.8

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 240 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.7	0.8	1.2	0.46	0.13	0.18	23.1
XTE_010R/30-18	18	TM01	40	0.05	0.06	0.7	0.9	1.5	0.42	0.12	0.16	38.3
XTE_010R/30-24	24	TM10	20	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.3
XTE_010R/30-36	36	TM11	20	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.9
XTE_010R/30-48	48	TM04	20	0.15	0.19	2.2	4.1	5.4	0.47	0.43	0.58	33.8
XTE_010R/30-72	72	TM05	20	0.22	0.29	2.0	4.4	8.5	0.56	0.47	0.62	46.3
XTE_010R/90-12	12	TM10	40	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.3
XTE_010R/90-18	18	TM11	40	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.9
XTE_010R/90-24	24	TM12	20	0.12	0.16	3.2	3.6	5.4	0.46	0.61	0.82	20.0
XTE_010R/90-36	36	TM13	20	0.18	0.24	3.3	4.4	6.9	0.41	0.56	0.75	32.1
XTE_010R/90-48	48	TM14	20	0.28	0.37	2.8	3.6	10.0	0.46	0.54	0.72	51.9
XTE_010R/90-72	72	TM15	20	0.36	0.48	3.5	5.1	14.5	0.55	0.80	1.07	45.0
XTE_020R/180-18	18	TM13	40	0.18	0.24	3.3	4.4	6.9	0.41	0.56	0.75	32.1
XTE_020R/180-24	24	TM14	40	0.28	0.37	2.8	3.6	10.0	0.46	0.54	0.72	51.9
XTE_020R/180-36	36	TM15	40	0.36	0.48	3.5	5.1	14.5	0.55	0.80	1.07	45.0
XTE_020R/180-48	48	TM21	20	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	62.7
XTE_020R/180-72	72	TM22	20	0.78	1.05	5.2	10.6	22.9	0.61	1.32	1.77	59.5
XTE_030R/360-24	24	TM21	40	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	62.7
XTE_030R/360-48	48	TM30	20	1.12	1.51	10.0	17.5	35.6	0.43	1.79	2.40	62.9
XTE_040R/720-24	24	TM30	40	1.12	1.51	10.0	17.5	35.6	0.43	1.79	2.40	62.9

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 380 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.6	0.46	0.12	0.16	23.1
XTE_010R/30-18	18	TM01	40	0.05	0.07	0.5	0.6	0.8	0.42	0.14	0.19	38.3
XTE_010R/30-24	24	TM10	20	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.3
XTE_010R/30-36	36	TM11	20	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.9
XTE_010R/30-48	48	TM04	20	0.15	0.20	1.4	2.5	2.9	0.47	0.43	0.58	33.8
XTE_010R/30-72	72	TM05	20	0.22	0.30	1.3	2.7	4.5	0.56	0.48	0.64	46.3
XTE_010R/90-12	12	TM10	40	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.3
XTE_010R/90-18	18	TM11	40	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.9
XTE_010R/90-24	24	TM12	20	0.12	0.16	2.0	2.2	2.9	0.46	0.61	0.81	20.3
XTE_010R/90-36	36	TM13	20	0.18	0.24	2.1	2.7	3.6	0.41	0.57	0.76	32.1
XTE_010R/90-48	48	TM14	20	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.0
XTE_010R/90-72	72	TM15	20	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.9
XTE_020R/180-18	18	TM13	40	0.18	0.24	2.1	2.7	3.6	0.41	0.57	0.76	32.1
XTE_020R/180-24	24	TM14	40	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.0
XTE_020R/180-36	36	TM15	40	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.9
XTE_020R/180-48	48	TM21	20	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_020R/180-72	72	TM22	20	0.80	1.08	3.3	6.4	12.0	0.61	1.32	1.78	60.7
XTE_030R/360-24	24	TM21	40	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_030R/360-48	48	TM30	20	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1
XTE_040R/720-24	24	TM30	40	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 400 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.13	0.17	23.1
XTE_010R/30-18	18	TM01	40	0.04	0.06	0.4	0.6	0.9	0.42	0.12	0.16	38.3
XTE_010R/30-24	24	TM10	20	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.3
XTE_010R/30-36	36	TM11	20	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.9
XTE_010R/30-48	48	TM04	20	0.14	0.19	1.3	2.4	3.0	0.47	0.42	0.57	33.8
XTE_010R/30-72	72	TM05	20	0.22	0.29	1.2	2.6	4.7	0.56	0.47	0.62	46.3
XTE_010R/90-12	12	TM10	40	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.3
XTE_010R/90-18	18	TM11	40	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.9
XTE_010R/90-24	24	TM12	20	0.12	0.16	1.9	2.1	3.0	0.46	0.61	0.81	20.3
XTE_010R/90-36	36	TM13	20	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.9
XTE_010R/90-48	48	TM14	20	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.0
XTE_010R/90-72	72	TM15	20	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.9
XTE_020R/180-18	18	TM13	40	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.9
XTE_020R/180-24	24	TM14	40	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.0
XTE_020R/180-36	36	TM15	40	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.9
XTE_020R/180-48	48	TM21	20	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_020R/180-72	72	TM22	20	0.79	1.06	3.1	6.2	12.6	0.61	1.31	1.76	60.2
XTE_030R/360-24	24	TM21	40	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_030R/360-48	48	TM30	20	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1
XTE_040R/720-24	24	TM30	40	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 415 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.13	0.18	23.1
XTE_010R/30-18	18	TM01	40	0.05	0.06	0.4	0.5	0.9	0.42	0.12	0.16	38.3
XTE_010R/30-24	24	TM10	20	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.3
XTE_010R/30-36	36	TM11	20	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.9
XTE_010R/30-48	48	TM04	20	0.15	0.20	1.3	2.4	3.1	0.47	0.44	0.59	33.8
XTE_010R/30-72	72	TM05	20	0.22	0.30	1.2	2.6	4.9	0.56	0.48	0.65	46.3
XTE_010R/90-12	12	TM10	40	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.3
XTE_010R/90-18	18	TM11	40	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.9
XTE_010R/90-24	24	TM12	20	0.12	0.16	1.8	2.1	3.1	0.46	0.60	0.80	20.3
XTE_010R/90-36	36	TM13	20	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.9
XTE_010R/90-48	48	TM14	20	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.0
XTE_010R/90-72	72	TM15	20	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.5
XTE_020R/180-18	18	TM13	40	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.9
XTE_020R/180-24	24	TM14	40	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.0
XTE_020R/180-36	36	TM15	40	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.5
XTE_020R/180-48	48	TM21	20	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_020R/180-72	72	TM22	20	0.79	1.06	3.0	6.1	13.1	0.61	1.32	1.76	60.2
XTE_030R/360-24	24	TM21	40	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_030R/360-48	48	TM30	20	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1
XTE_040R/720-24	24	TM30	40	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 440 V 50 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-12	12	TM00	40	0.03	0.04	0.4	0.5	0.7	0.46	0.14	0.19	21.4
XTE_010R/30-18	18	TM01	40	0.05	0.06	0.4	0.5	0.9	0.42	0.13	0.17	35.4
XTE_010R/30-24	24	TM10	20	0.07	0.10	1.4	1.7	2.7	0.43	0.46	0.61	16.1
XTE_010R/30-36	36	TM11	20	0.11	0.15	1.4	1.6	3.1	0.43	0.46	0.61	24.1
XTE_010R/30-48	48	TM04	20	0.15	0.20	1.3	2.4	3.1	0.47	0.47	0.62	32.3
XTE_010R/30-72	72	TM05	20	0.22	0.30	1.2	2.6	4.9	0.56	0.51	0.69	43.5
XTE_010R/90-12	12	TM10	40	0.07	0.10	1.4	1.7	2.7	0.43	0.46	0.61	16.1
XTE_010R/90-18	18	TM11	40	0.11	0.15	1.4	1.6	3.1	0.43	0.46	0.61	24.1
XTE_010R/90-24	24	TM12	20	0.12	0.16	1.8	2.1	3.1	0.46	0.63	0.85	19.1
XTE_010R/90-36	36	TM13	20	0.18	0.24	1.9	2.6	3.9	0.41	0.59	0.80	30.7
XTE_010R/90-48	48	TM14	20	0.28	0.38	1.6	2.1	5.7	0.46	0.56	0.75	50.2
XTE_010R/90-72	72	TM15	20	0.37	0.49	2.0	3.0	8.3	0.55	0.84	1.12	43.7
XTE_020R/180-18	18	TM13	40	0.18	0.24	1.9	2.6	3.9	0.41	0.59	0.80	30.7
XTE_020R/180-24	24	TM14	40	0.28	0.38	1.6	2.1	5.7	0.46	0.56	0.75	50.2
XTE_020R/180-36	36	TM15	40	0.37	0.49	2.0	3.0	8.3	0.55	0.84	1.12	43.7
XTE_020R/180-48	48	TM21	20	0.53	0.71	2.7	4.7	8.8	0.43	0.88	1.19	59.8
XTE_020R/180-72	72	TM22	20	0.79	1.06	3.0	6.1	13.1	0.61	1.39	1.87	56.8
XTE_030R/360-24	24	TM21	40	0.53	0.71	2.7	4.7	8.8	0.43	0.88	1.19	59.8
XTE_030R/360-48	48	TM30	20	1.13	1.51	5.8	10.1	20.3	0.43	1.90	2.55	59.4
XTE_040R/720-24	24	TM30	40	1.13	1.51	5.8	10.1	20.3	0.43	1.90	2.55	59.4

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 280 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-14	14	TM00	40	0.04	0.05	0.7	0.8	1.2	0.46	0.16	0.21	22.5
XTE_010R/30-22	22	TM01	40	0.06	0.08	0.8	0.9	1.6	0.42	0.16	0.22	36.7
XTE_010R/30-29	29	TM10	20	0.08	0.11	2.4	2.9	4.8	0.43	0.50	0.67	16.0
XTE_010R/30-43	43	TM11	20	0.12	0.16	2.4	2.7	5.6	0.43	0.50	0.67	24.0
XTE_010R/30-58	58	TM04	20	0.17	0.23	2.2	4.0	5.6	0.47	0.50	0.67	34.0
XTE_010R/30-86	86	TM05	20	0.27	0.36	2.1	4.4	8.7	0.56	0.57	0.76	46.6
XTE_010R/90-14	14	TM10	40	0.08	0.11	2.4	2.9	4.8	0.43	0.50	0.67	16.0
XTE_010R/90-22	22	TM11	40	0.12	0.16	2.4	2.7	5.6	0.43	0.50	0.67	24.0
XTE_010R/90-29	29	TM12	20	0.14	0.19	3.3	3.5	5.6	0.46	0.74	0.99	19.4
XTE_010R/90-43	43	TM13	20	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.4
XTE_010R/90-58	58	TM14	20	0.34	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.1
XTE_010R/90-86	86	TM15	20	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.8
XTE_020R/180-22	22	TM13	40	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.4
XTE_020R/180-29	29	TM14	40	0.34	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.1
XTE_020R/180-43	43	TM15	40	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.8
XTE_020R/180-58	58	TM21	20	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.0
XTE_020R/180-86	86	TM22	20	0.95	1.27	5.3	10.4	23.3	0.61	1.57	2.10	60.5
XTE_030R/360-29	29	TM21	40	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.0
XTE_030R/360-58	58	TM30	20	1.36	1.82	10.3	17.3	36.3	0.43	2.15	2.88	63.1
XTE_040R/720-29	29	TM30	40	1.36	1.82	10.3	17.3	36.3	0.43	2.15	2.88	63.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 400 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-14	14	TM00	40	0.04	0.05	0.5	0.6	0.8	0.46	0.16	0.21	24.0
XTE_010R/30-22	22	TM01	40	0.05	0.07	0.5	0.7	1.1	0.42	0.15	0.19	36.7
XTE_010R/30-29	29	TM10	20	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.4
XTE_010R/30-43	43	TM11	20	0.13	0.18	1.7	1.9	3.9	0.43	0.51	0.68	26.1
XTE_010R/30-58	58	TM04	20	0.17	0.23	1.5	2.8	3.9	0.47	0.49	0.65	34.7
XTE_010R/30-86	86	TM05	20	0.26	0.34	1.4	3.1	6.1	0.56	0.54	0.73	47.2
XTE_010R/90-14	14	TM10	40	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.4
XTE_010R/90-22	22	TM11	40	0.13	0.18	1.7	1.9	3.9	0.43	0.51	0.68	26.1
XTE_010R/90-29	29	TM12	20	0.15	0.19	2.2	2.5	3.9	0.46	0.70	0.94	20.7
XTE_010R/90-43	43	TM13	20	0.23	0.30	2.4	3.1	4.9	0.41	0.68	0.91	33.3
XTE_010R/90-58	58	TM14	20	0.35	0.46	2.0	2.5	7.1	0.46	0.64	0.85	54.4
XTE_010R/90-86	86	TM15	20	0.45	0.60	2.5	3.5	10.4	0.55	0.95	1.28	46.9
XTE_020R/180-22	22	TM13	40	0.23	0.30	2.4	3.1	4.9	0.41	0.68	0.91	33.3
XTE_020R/180-29	29	TM14	40	0.35	0.46	2.0	2.5	7.1	0.46	0.64	0.85	54.4
XTE_020R/180-43	43	TM15	40	0.45	0.60	2.5	3.5	10.4	0.55	0.95	1.28	46.9
XTE_020R/180-58	58	TM21	20	0.63	0.85	3.3	5.6	11.0	0.43	0.98	1.32	64.4
XTE_020R/180-86	86	TM22	20	0.96	1.29	3.7	7.3	16.3	0.61	1.56	2.10	61.4
XTE_030R/360-29	29	TM21	40	0.63	0.85	3.3	5.6	11.0	0.43	0.98	1.32	64.4
XTE_030R/360-58	58	TM30	20	1.36	1.82	7.1	12.1	25.4	0.43	2.12	2.83	64.1
XTE_040R/720-29	29	TM30	40	1.36	1.82	7.1	12.1	25.4	0.43	2.12	2.83	64.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 440 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-14	14	TM00	40	0.04	0.06	0.5	0.5	0.6	0.46	0.18	0.23	24.0
XTE_010R/30-22	22	TM01	40	0.06	0.08	0.5	0.6	0.8	0.42	0.16	0.21	36.7
XTE_010R/30-29	29	TM10	20	0.09	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.4
XTE_010R/30-43	43	TM11	20	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	26.1
XTE_010R/30-58	58	TM04	20	0.17	0.23	1.4	2.5	3.0	0.47	0.50	0.67	34.7
XTE_010R/30-86	86	TM05	20	0.26	0.35	1.3	2.7	4.7	0.56	0.55	0.74	47.2
XTE_010R/90-14	14	TM10	40	0.09	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.4
XTE_010R/90-22	22	TM11	40	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	26.1
XTE_010R/90-29	29	TM12	20	0.15	0.19	2.0	2.2	3.0	0.46	0.70	0.94	20.7
XTE_010R/90-43	43	TM13	20	0.22	0.29	2.1	2.7	3.8	0.41	0.66	0.88	33.3
XTE_010R/90-58	58	TM14	20	0.34	0.46	1.8	2.2	5.5	0.46	0.63	0.85	54.4
XTE_010R/90-86	86	TM15	20	0.45	0.61	2.3	3.1	7.9	0.55	0.96	1.29	46.9
XTE_020R/180-22	22	TM13	40	0.22	0.29	2.1	2.7	3.8	0.41	0.66	0.88	33.3
XTE_020R/180-29	29	TM14	40	0.34	0.46	1.8	2.2	5.5	0.46	0.63	0.85	54.4
XTE_020R/180-43	43	TM15	40	0.45	0.61	2.3	3.1	7.9	0.55	0.96	1.29	46.9
XTE_020R/180-58	58	TM21	20	0.63	0.85	3.0	4.9	8.4	0.43	0.98	1.32	64.4
XTE_020R/180-86	86	TM22	20	0.95	1.27	3.3	6.4	12.5	0.61	1.53	2.06	61.8
XTE_030R/360-29	29	TM21	40	0.63	0.85	3.0	4.9	8.4	0.43	0.98	1.32	64.4
XTE_030R/360-58	58	TM30	20	1.34	1.80	6.4	10.5	19.4	0.43	2.10	2.81	64.1
XTE_040R/720-29	29	TM30	40	1.34	1.80	6.4	10.5	19.4	0.43	2.10	2.81	64.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25' 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 460 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-14	14	TM00	40	0.04	0.05	0.4	0.5	0.7	0.46	0.15	0.20	24.0
XTE_010R/30-22	22	TM01	40	0.06	0.08	0.5	0.6	0.9	0.42	0.17	0.22	36.7
XTE_010R/30-29	29	TM10	20	0.08	0.11	1.4	1.7	2.7	0.43	0.48	0.64	17.4
XTE_010R/30-43	43	TM11	20	0.13	0.17	1.4	1.6	3.1	0.43	0.48	0.64	26.1
XTE_010R/30-58	58	TM04	20	0.17	0.23	1.3	2.4	3.1	0.47	0.49	0.65	34.7
XTE_010R/30-86	86	TM05	20	0.25	0.34	1.2	2.6	4.9	0.56	0.54	0.72	47.2
XTE_010R/90-14	14	TM10	40	0.08	0.11	1.4	1.7	2.7	0.43	0.48	0.64	17.4
XTE_010R/90-22	22	TM11	40	0.13	0.17	1.4	1.6	3.1	0.43	0.48	0.64	26.1
XTE_010R/90-29	29	TM12	20	0.14	0.19	1.9	2.1	3.1	0.46	0.70	0.93	20.7
XTE_010R/90-43	43	TM13	20	0.23	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.8
XTE_010R/90-58	58	TM14	20	0.34	0.45	1.7	2.1	5.7	0.46	0.62	0.83	54.4
XTE_010R/90-86	86	TM15	20	0.45	0.61	2.2	3.0	8.3	0.55	0.96	1.29	46.9
XTE_020R/180-22	22	TM13	40	0.23	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.8
XTE_020R/180-29	29	TM14	40	0.34	0.45	1.7	2.1	5.7	0.46	0.62	0.83	54.4
XTE_020R/180-43	43	TM15	40	0.45	0.61	2.2	3.0	8.3	0.55	0.96	1.29	46.9
XTE_020R/180-58	58	TM21	20	0.64	0.86	2.9	4.8	8.8	0.43	0.99	1.33	64.4
XTE_020R/180-86	86	TM22	20	0.95	1.28	3.2	6.2	13.0	0.61	1.56	2.08	61.4
XTE_030R/360-29	29	TM21	40	0.64	0.86	2.9	4.8	8.8	0.43	0.99	1.33	64.4
XTE_030R/360-58	58	TM30	20	1.34	1.80	6.1	10.3	20.3	0.43	2.09	2.80	64.1
XTE_040R/720-29	29	TM30	40	1.34	1.80	6.1	10.3	20.3	0.43	2.09	2.80	64.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

3-ph 480 V 60 Hz

Size, Torque, Speed	RPM	Motor	INT WG Ratio (:1)	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-14	14	TM00	40	0.04	0.05	0.4	0.5	0.7	0.46	0.15	0.20	24.0
XTE_010R/30-22	22	TM01	40	0.05	0.07	0.4	0.5	0.9	0.42	0.14	0.19	36.7
XTE_010R/30-29	29	TM10	20	0.09	0.12	1.4	1.7	2.8	0.43	0.50	0.67	17.4
XTE_010R/30-43	43	TM11	20	0.13	0.18	1.4	1.6	3.2	0.43	0.50	0.67	26.1
XTE_010R/30-58	58	TM04	20	0.18	0.24	1.3	2.4	3.2	0.47	0.51	0.68	34.7
XTE_010R/30-86	86	TM05	20	0.26	0.35	1.2	2.6	5.1	0.56	0.56	0.75	47.2
XTE_010R/90-14	14	TM10	40	0.09	0.12	1.4	1.7	2.8	0.43	0.50	0.67	17.4
XTE_010R/90-22	22	TM11	40	0.13	0.18	1.4	1.6	3.2	0.43	0.50	0.67	26.1
XTE_010R/90-29	29	TM12	20	0.15	0.20	1.9	2.1	3.2	0.46	0.73	0.97	20.7
XTE_010R/90-43	43	TM13	20	0.23	0.30	2.0	2.6	4.1	0.41	0.68	0.91	33.3
XTE_010R/90-58	58	TM14	20	0.35	0.47	1.7	2.1	5.9	0.46	0.65	0.87	54.4
XTE_010R/90-86	86	TM15	20	0.45	0.60	2.1	2.9	8.6	0.55	0.96	1.29	46.9
XTE_020R/180-22	22	TM13	40	0.23	0.30	2.0	2.6	4.1	0.41	0.68	0.91	33.3
XTE_020R/180-29	29	TM14	40	0.35	0.47	1.7	2.1	5.9	0.46	0.65	0.87	54.4
XTE_020R/180-43	43	TM15	40	0.45	0.60	2.1	2.9	8.6	0.55	0.96	1.29	46.9
XTE_020R/180-58	58	TM21	20	0.62	0.83	2.7	4.7	9.2	0.43	0.97	1.29	64.4
XTE_020R/180-86	86	TM22	20	0.93	1.25	3.0	6.1	13.6	0.61	1.52	2.04	61.4
XTE_030R/360-29	29	TM21	40	0.62	0.83	2.7	4.7	9.2	0.43	0.97	1.29	64.4
XTE_030R/360-58	58	TM30	20	1.35	1.81	5.9	10.1	21.2	0.43	2.11	2.83	64.1
XTE_040R/720-29	29	TM30	40	1.35	1.81	5.9	10.1	21.2	0.43	2.11	2.83	64.1

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.

Single-Phase AC

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

1-ph 110 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	2.3	3.1	6.8	0.53	0.13	0.18	81.5
XTE_010R/30-SR2	TM14	20	18	62	0.28	0.38	5.1	6.7	10.7	0.58	0.33	0.44	87.5
XTE_010R/30-SR3	TM15	20	63	94	0.37	0.50	5.6	8.4	16.5	0.69	0.43	0.57	87.4
XTE_010R/90-SR1	TM13	40	6	23	0.19	0.25	4.8	6.3	12.1	0.58	0.31	0.41	61.3
XTE_010R/90-SR2	TM14	20	24	40	0.28	0.38	6.1	9.1	17.8	0.69	0.46	0.62	60.9
XTE_020R/180-SR1	TM21	40	8	20	0.53	0.71	10.3	15.5	26.0	0.54	0.61	0.82	86.2

1-ph 115 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	2.2	3.0	7.1	0.53	0.13	0.18	81.5
XTE_010R/30-SR2	TM14	20	18	62	0.29	0.38	4.9	6.4	11.2	0.58	0.33	0.44	87.5
XTE_010R/30-SR3	TM15	20	63	94	0.37	0.50	5.4	8.1	17.3	0.69	0.43	0.57	87.4
XTE_010R/90-SR1	TM13	40	6	23	0.19	0.25	4.6	6.0	12.7	0.58	0.31	0.41	61.3
XTE_010R/90-SR2	TM14	20	24	40	0.28	0.38	5.8	8.7	18.6	0.69	0.46	0.62	60.9
XTE_020R/180-SR1	TM21	40	8	20	0.53	0.71	9.9	14.8	27.1	0.54	0.61	0.82	86.2

1-ph 220 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	1.2	1.6	3.7	0.53	0.14	0.19	81.5
XTE_010R/30-SR2	TM15	20	24	72	0.37	0.50	2.6	4.5	9.2	0.69	0.39	0.53	94.1
XTE_010R/30-SR3	TM16	20	73	172	0.17	0.23	2.4	4.1	8.7	0.85	0.45	0.60	38.5
XTE_010R/90-SR1	TM13	40	6	23	0.18	0.25	4.6	6.0	10.6	0.55	0.56	0.75	32.9
XTE_010R/90-SR2	TM18	20	24	95	0.50	0.67	5.8	8.7	18.6	0.8	1.02	1.37	49.0
XTE_020R/180-SR1	TM22	40	12	36	0.79	1.06	5.5	10.0	16.7	0.85	1.03	1.38	76.6
XTE_020R/180-SR2	TM22	20	48	60	0.79	1.06	7.8	15.6	29.1	0.85	1.46	1.95	54.0
XTE_030R/360-SR1	TM30	40	10	30	1.13	1.51	12.4	21.3	29.5	0.57	1.55	2.08	72.5

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - $\cos \varphi_{nom} = (\cos \varphi_{40\%})$ = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.
9. Data referred to maximum allowable actuator speed.

1-ph 230 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	1.1	1.5	3.9	0.53	0.13	0.18	81.5
XTE_010R/30-SR2	TM15	20	24	72	0.37	0.50	2.5	4.3	9.6	0.69	0.40	0.53	94.1
XTE_010R/30-SR3	TM16	20	73	172	0.17	0.23	2.3	3.9	9.1	0.85	0.45	0.60	38.5
XTE_010R/90-SR1	TM13	40	6	23	0.18	0.25	4.4	5.8	11.1	0.55	0.56	0.75	32.9
XTE_010R/90-SR2	TM18	20	24	95	0.50	0.68	5.6	8.3	19.4	0.8	1.03	1.38	49.0
XTE_020R/180-SR1	TM22	40	12	36	0.79	1.06	5.3	9.5	17.5	0.85	1.04	1.39	76.6
XTE_020R/180-SR2	TM22	20	48	60	0.79	1.06	7.5	15.0	30.4	0.85	1.47	1.96	54.0
XTE_030R/360-SR1	TM30	40	10	30	1.12	1.50	11.8	20.3	30.8	0.57	1.55	2.07	72.5

1-ph 120 V 60 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.13	0.17	2.1	2.9	7.4	0.53	0.13	0.18	97.7
XTE_010R/30-SR2	TM14	20	18	62	0.29	0.38	4.7	6.1	11.7	0.58	0.33	0.44	87.5
XTE_010R/30-SR3	TM15	20	63	94	0.37	0.49	5.1	7.7	18.0	0.69	0.42	0.57	87.4
XTE_010R/90-SR1	TM13	40	6	23	0.22	0.30	5.5	10.7	23.0	0.41	0.27	0.36	81.9
XTE_010R/90-SR2	TM14	20	24	40	0.34	0.46	6.4	10.5	22.7	0.72	0.55	0.74	61.8
XTE_020R/180-SR1	TM21	40	8	20	0.21	0.29	9.4	14.2	28.3	0.54	0.61	0.82	35.2

1-ph 240 V 60 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.14	0.18	1.1	1.4	4.0	0.53	0.14	0.19	97.7
XTE_010R/30-SR2	TM15	20	24	72	0.37	0.50	2.4	4.1	10.0	0.69	0.40	0.53	94.1
XTE_010R/30-SR3	TM16	20	73	172	0.17	0.23	2.2	3.7	9.5	0.85	0.45	0.60	38.5
XTE_010R/90-SR1	TM13	40	6	23	0.22	0.29	4.2	5.5	11.6	0.55	0.55	0.74	39.5
XTE_010R/90-SR2	TM18	20	24	95	0.50	0.67	5.3	8.0	20.3	0.8	1.02	1.36	49.0
XTE_020R/180-SR1	TM22	40	12	36	0.96	1.28	5.1	9.1	18.3	0.85	1.04	1.39	91.9
XTE_020R/180-SR2	TM22	20	48	60	0.95	1.28	7.2	14.3	31.7	0.85	1.47	1.97	64.9
XTE_030R/360-SR1	TM30	40	10	30	1.36	1.82	11.4	19.5	32.1	0.57	1.56	2.09	87.0

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.
9. Data referred to maximum allowable actuator speed.

Single-Phase AC

Modulating Duty (S4-50% - 1200 St/h)

1-ph 110 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	2.3	3.1	6.8	0.53	0.13	0.18	81.5
XTE_010R/30-SR2	TM14	20	18	62	0.28	0.38	5.1	6.7	10.7	0.58	0.33	0.44	87.5
XTE_010R/30-SR3	TM15	20	63	94	0.37	0.50	5.6	8.4	16.5	0.69	0.43	0.57	87.4
XTE_010R/90-SR1	TM13	40	6	23	0.19	0.25	4.8	6.3	12.1	0.58	0.31	0.41	61.3
XTE_010R/90-SR2	TM14	20	24	40	0.28	0.38	6.1	9.1	17.8	0.69	0.46	0.62	60.9
XTE_020R/180-SR1	TM21	40	8	20	0.53	0.71	10.3	15.5	26.0	0.54	0.61	0.82	86.2

1-ph 115 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	2.2	3.0	7.1	0.53	0.13	0.18	81.5
XTE_010R/30-SR2	TM14	20	18	62	0.29	0.38	4.9	6.4	11.2	0.58	0.33	0.44	87.5
XTE_010R/30-SR3	TM15	20	63	94	0.37	0.50	5.4	8.1	17.3	0.69	0.43	0.57	87.4
XTE_010R/90-SR1	TM13	40	6	23	0.19	0.25	4.6	6.0	12.7	0.58	0.31	0.41	61.3
XTE_010R/90-SR2	TM14	20	24	40	0.28	0.38	5.8	8.7	18.6	0.69	0.46	0.62	60.9
XTE_020R/180-SR1	TM21	40	8	20	0.53	0.71	9.9	14.8	27.1	0.54	0.61	0.82	86.2

1-ph 220 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	1.2	1.6	3.7	0.53	0.14	0.19	81.5
XTE_010R/30-SR2	TM15	20	24	72	0.37	0.50	2.6	4.5	9.2	0.69	0.39	0.53	94.1
XTE_010R/30-SR3	TM16	20	73	172	0.17	0.23	2.4	4.1	8.7	0.85	0.45	0.60	38.5
XTE_010R/90-SR1	TM13	40	6	23	0.18	0.25	4.6	6.0	10.6	0.55	0.56	0.75	32.9
XTE_010R/90-SR2	TM18	20	24	95	0.50	0.67	5.8	8.7	18.6	0.8	1.02	1.37	49.0
XTE_020R/180-SR1	TM22	40	12	36	0.79	1.06	5.5	10.0	16.7	0.85	1.03	1.38	76.6
XTE_020R/180-SR2	TM22	20	48	60	0.79	1.06	7.8	15.6	29.1	0.85	1.46	1.95	54.0
XTE_030R/360-SR1	TM30	40	10	30	1.13	1.51	12.4	21.3	29.5	0.57	1.55	2.08	72.5

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - $\cos \varphi_{nom} = (\cos \varphi_{40\%})$ = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.
9. Data referred to maximum allowable actuator speed.

1-ph 230 V 50 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.11	0.15	1.1	1.5	3.9	0.53	0.13	0.18	81.5
XTE_010R/30-SR2	TM15	20	24	72	0.37	0.50	2.5	4.3	9.6	0.69	0.40	0.53	94.1
XTE_010R/30-SR3	TM16	20	73	172	0.17	0.23	2.3	3.9	9.1	0.85	0.45	0.60	38.5
XTE_010R/90-SR1	TM13	40	6	23	0.18	0.25	4.4	5.8	11.1	0.55	0.56	0.75	32.9
XTE_010R/90-SR2	TM18	20	24	95	0.50	0.68	5.6	8.3	19.4	0.8	1.03	1.38	49.0
XTE_020R/180-SR1	TM22	40	12	36	0.79	1.06	5.3	9.5	17.5	0.85	1.04	1.39	76.6
XTE_020R/180-SR2	TM22	20	48	60	0.79	1.06	7.5	15.0	30.4	0.85	1.47	1.96	54.0
XTE_030R/360-SR1	TM30	40	10	30	1.12	1.50	11.8	20.3	30.8	0.57	1.55	2.07	72.5

1-ph 120 V 60 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.13	0.17	2.1	2.9	7.4	0.53	0.13	0.18	97.7
XTE_010R/30-SR2	TM14	20	18	62	0.29	0.38	4.7	6.1	11.7	0.58	0.33	0.44	87.5
XTE_010R/30-SR3	TM15	20	63	94	0.37	0.49	5.1	7.7	18.0	0.69	0.42	0.57	87.4
XTE_010R/90-SR1	TM13	40	6	23	0.22	0.30	5.5	10.7	23.0	0.41	0.27	0.36	81.9
XTE_010R/90-SR2	TM14	20	24	40	0.34	0.46	6.4	10.5	22.7	0.72	0.55	0.74	61.8
XTE_020R/180-SR1	TM21	40	8	20	0.21	0.29	9.4	14.2	28.3	0.54	0.61	0.82	35.2

1-ph 240 V 60 Hz

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010R/30-SR1	TM11	40	8	17	0.14	0.18	1.1	1.4	4.0	0.53	0.14	0.19	97.7
XTE_010R/30-SR2	TM15	20	24	72	0.37	0.50	2.4	4.1	10.0	0.69	0.40	0.53	94.1
XTE_010R/30-SR3	TM16	20	73	172	0.17	0.23	2.2	3.7	9.5	0.85	0.45	0.60	38.5
XTE_010R/90-SR1	TM13	40	6	23	0.22	0.29	4.2	5.5	11.6	0.55	0.55	0.74	39.5
XTE_010R/90-SR2	TM18	20	24	95	0.50	0.67	5.3	8.0	20.3	0.8	1.02	1.36	49.0
XTE_020R/180-SR1	TM22	40	12	36	0.96	1.28	5.1	9.1	18.3	0.85	1.04	1.39	91.9
XTE_020R/180-SR2	TM22	20	48	60	0.95	1.28	7.2	14.3	31.7	0.85	1.47	1.97	64.9
XTE_030R/360-SR1	TM30	40	10	30	1.36	1.82	11.4	19.5	32.1	0.57	1.56	2.09	87.0

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.
9. Data referred to maximum allowable actuator speed.

Direct Current

Short time duty (S2-15') | Intermittent Periodic Duty (S4-25%, 60 St/h) (S4-25%, 600 St/h)

24 V DC

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010D/30-SR1	DM05d	40	12	29	0.15	0.20	14.0	28.0	65.0	0	0.34	0.45	43.9
XTE_010D/30-SR2	DM05d	20	30	60	0.15	0.20	14.0	28.0	65.0	0	0.34	0.45	43.9
XTE_010D/90-SR1	DM05	20	50	68	0.19	0.26	37.0	80.0	120.0	0	0.89	1.19	21.6
XTE_010D/90-SR2	DM05	40	12	30	0.19	0.26	14.0	32.0	63.0	0	0.34	0.45	57.6

48 V DC

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010D/90-SR1	DM05d	40	12	29	0.15	0.20	7.0	14.0	33.0	0	0.34	0.45	43.9
XTE_010D/90-SR2	DM05d	20	30	60	0.15	0.20	7.0	14.0	33.0	0	0.34	0.45	43.9
XTE_010D/90-SR1	DM05	20	50	68	0.40	0.54	16.5	32.0	58.0	0	0.79	1.06	50.6
XTE_010D/90-SR2	DM05	40	12	30	0.40	0.54	10.0	16.5	58.0	0	0.48	0.64	83.3

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - $\cos \varphi_{nom}$ = ($\cos \varphi$ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.
9. Data referred to maximum allowable actuator speed.

110 V DC

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010D/30-SR1	DM05d	40	12	29	contact factory								
XTE_010D/30-SR2	DM05d	20	30	80	0.14	0.18	2.8	5.6	13.0	0	0.31	0.41	43.9
XTE_010D/90-SR1	DM05	40	20	40	0.40	0.54	5.2	9.0	25.0	0	0.57	0.77	70.2
XTE_010D/90-SR2	DM05	20	55	70	0.40	0.54	6.0	12.0	25.0	0	0.66	0.88	60.6
XTE_020D/180-SR1	DM05	40	35	37	0.40	0.54	7.2	17.5	25.0	0	0.79	1.06	50.6

120 V DC

Size, Torque, Speed	Motor	INT WG Ratio (:1)	RPM Min	RPM Max	Power (KW)	Power (HP)	In (A)	Is (A)	Icc (A)	Power Factor	Absorbed Power (KW)	Absorbed Power (HP)	Efficiency (%)
XTE_010D/30-SR1	DM05d	40	12	29	contact factory								
XTE_010D/30-SR2	DM05d	20	30	80	0.15	0.20	2.8	5.6	13.0	0	0.34	0.45	43.9
XTE_010D/90-SR1	DM05	40	20	40	0.40	0.54	4.8	9.0	25.0	0	0.58	0.77	70.2
XTE_010D/90-SR2	DM05	20	55	70	0.40	0.54	5.5	12.0	25.0	0	0.66	0.88	60.6
XTE_020D/180-SR1	DM05	40	35	37	0.40	0.54	6.6	17.5	25.0	0	0.79	1.06	50.6

Notes:

Due to manufacturing tolerances there may be deviations from the published values.

1. Voltage tolerance value: -10% / +10%; Frequency tolerance value: -2% / +2%. If the voltage and frequency drops below above tolerances the actuator performances cannot be guaranteed.
2. Power [KW] = Nominal Motor Output Power according to IEC 60034-1 is the mechanical power output at motor shaft at run torque of multi-turn actuator (at approx. 40% of actuator nominal torque)
3. In (A) = (I-40%) = Motor current at approx. 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approx. 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cos φ nom = (Cos φ 40%) = Power factor at approx. 40% of actuator nominal torque.
7. Absorbed Power [KW] = Absorbed electrical Power at approx. 40% of actuator nominal torque.
8. Nominal Duty S2-15' or S4-25% 60 starts/hours according to IEC 60034-1. Motor insulation: Class H. Tolerances on the published values according to IEC 60034-1.
9. Data referred to maximum allowable actuator speed.

Controls

Analog Module

Analog Position Transmission Module

APTМ	This card features a 4-20 mA galvanically-insulated module for position or torque re-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.
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Position Servoamplifier Module

PSM	<p>Module necessary for actuators in modulating and inching duty. It drives the motor through pulses at constant frequency and duration proportional to the position error, following an externally-set analogical point signal.</p> <p>The basic features are: Input: 4-20 mA or 0-20 mA with galvanic insulation Output: 4-20 mA with galvanic insulation for position or torque re-transmission.</p>
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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:	1900 m per segment
Electrical power:	Bus-powered Max voltage 32 V Min voltage 9 V Rated current I _n = 19 mA Fault current I _{max} = 24 mA

HART 7

Electrical interface	4-20 mA analog loop, 2-wire communication
Data rate	Request/response mode - 2/3 updates per second Optional burst mode - 3/4 updates per second
Bus type	HART protocol 7.2
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 36 V Min voltage 0 V

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 V0/1/2

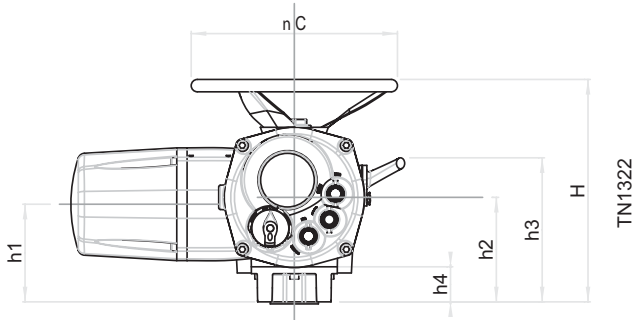
Electrical interface	2-wire RS485									
Data rate	9.6 19.2 45.45 93.75 187.5 500 1500 Kbit/sec									
Network topology	Line (bus) structure. With repeaters tree structures can also be realized									
Device number	32 devices per segment without repeater (max 126, with repeaters)									
Transmission 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:	1200				200	200	200	m	
Electrical power:	Actuator-powered (optional auxiliary external voltage supply)									
Station type	DPV1 and DPV2 (redundancy) slave									

LonWorks

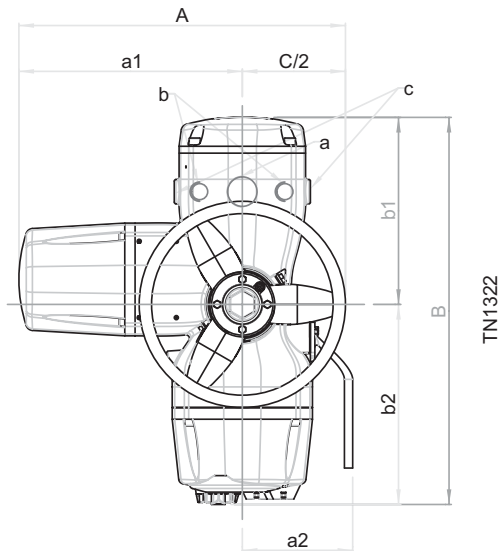
Electrical interface	2-wire twisted pair
Data rate	78 Kbps
Network topology	Multidrop line or loop
Device number	60 devices per segment using specific 16AWG cable. More segments with repeaters
Transmission technology	LONWORKS FTT-10
Bus length:	1200 meters per segment using specific 16AWG cable. More segments with repeaters
Electrical power:	Actuator-powered

Overall Actuator Dimensions

Overall Dimensions - Standard Manual Override



TN1322



TN1322

Note:

Cable entries:

a = 1" NPT

b = 1" 1/2 NPT

c = 3/4" NPT (optional)

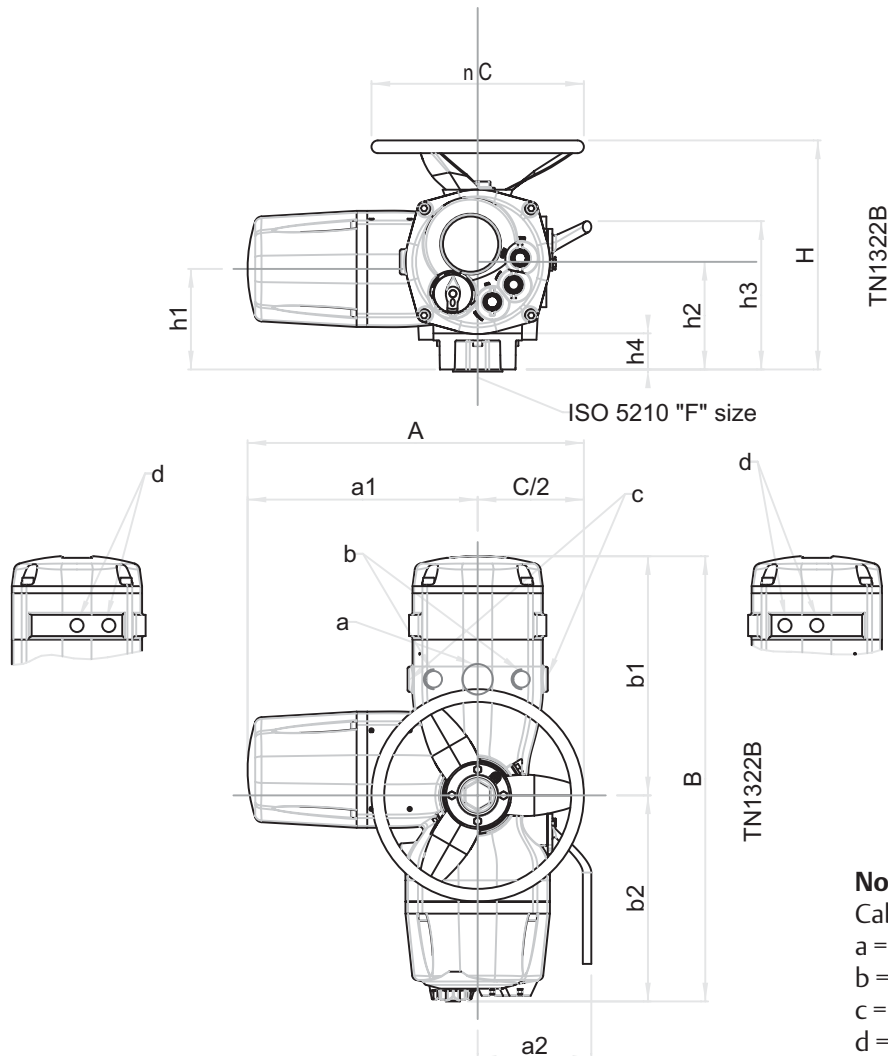
Dimension Table

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

Note: ISO 5210 Mounting Scheme - Column F

Overall Dimensions - Optional Profibus Module with Standard Manual Override



Note:
Cable entries:
a = 1" NPT
b = 1" 1/2 NPT
c = 3/4" NPT (optional)
d = N.6/N.9 1/2" NPT/M20x1.5 (optional)

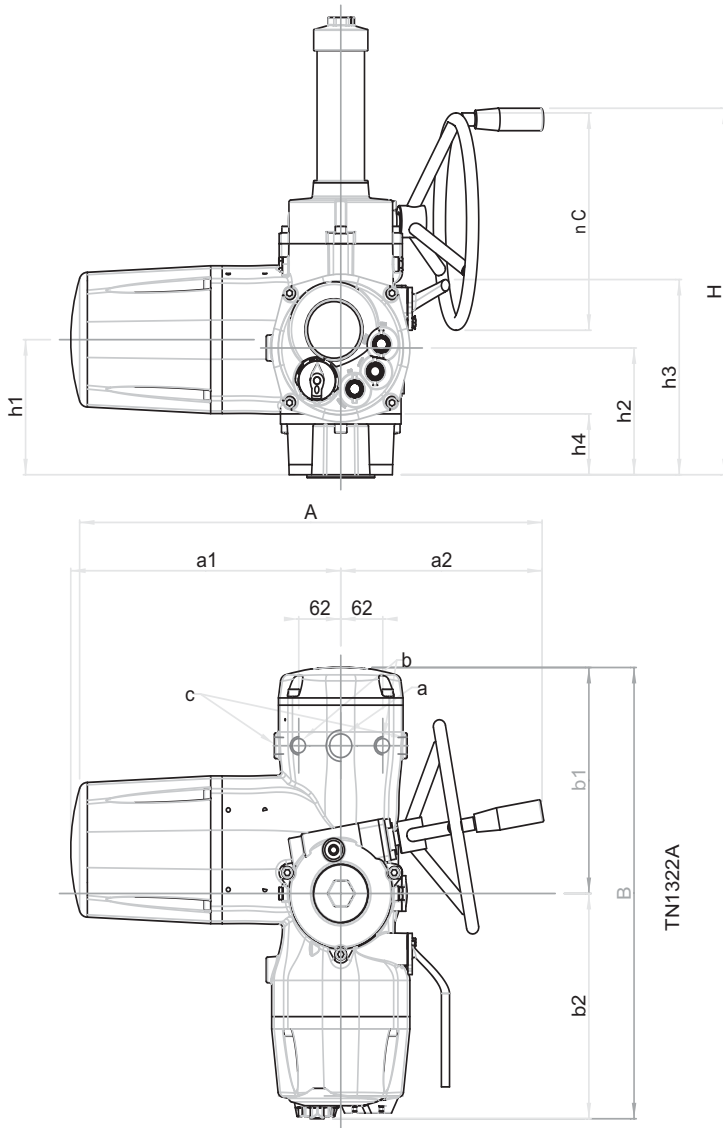
Dimension Table

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

Note: ISO 5210 Mounting Scheme - Column F

Overall Dimensions - Reduced Manual Override



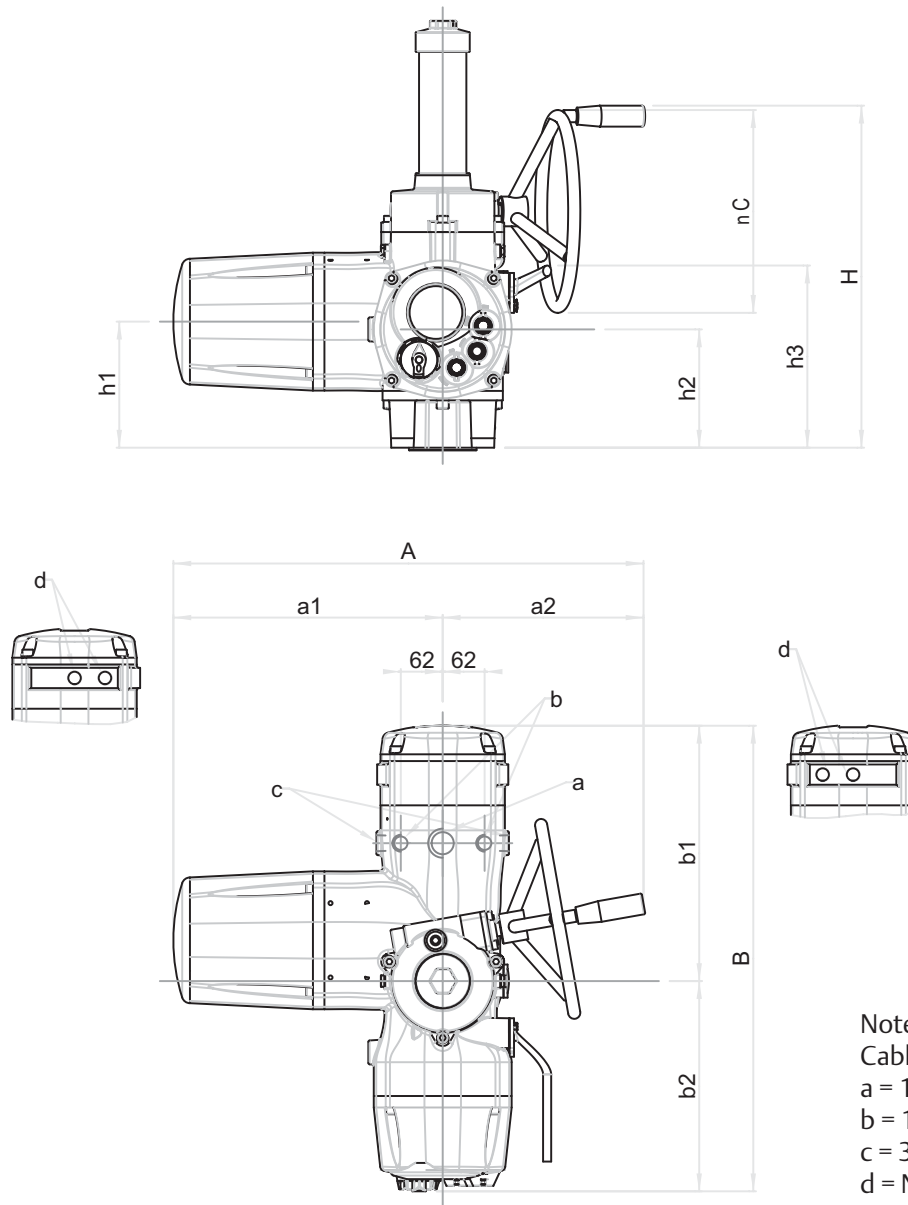
Note:
Cable entries:
a = 1" NPT
b = 1" 1/2 NPT
c = 3/4" NPT (optional)

Dimension Table

Overall Dimensions, mm (in.)

Model	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	Manual Override R:	F
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 Reduced Manual Override



Note:
Cable entries:
a = 1" NPT
b = 1" 1/2 NPT
c = 3/4" NPT (optional)
d = N.6/N.9 1/2" NPT/M20x1.5 (optional)

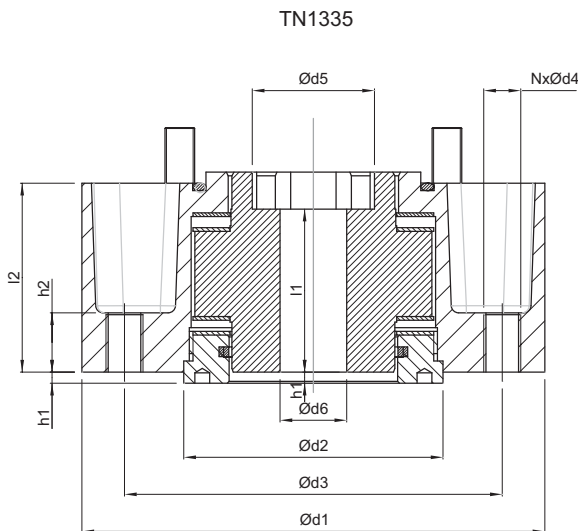
Dimension Table

Overall Dimensions, mm (in.)

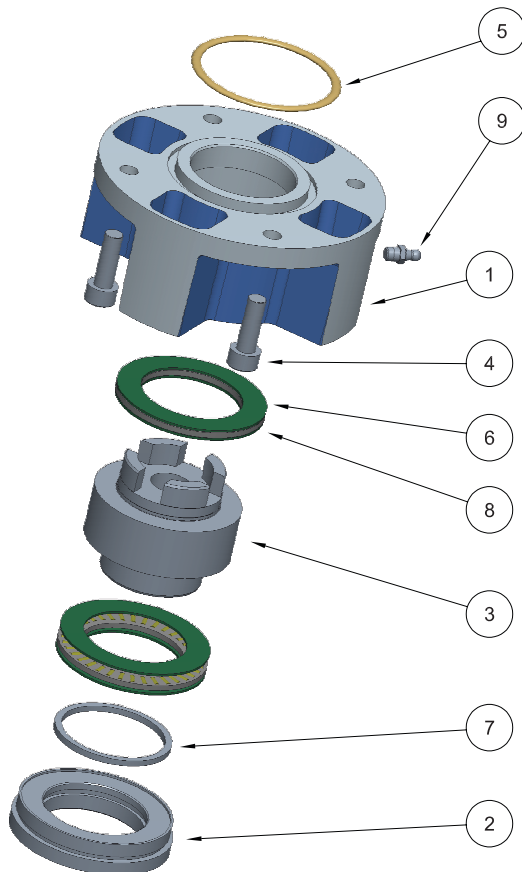
Model	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	Manual Override R:	F
XTE-030	648 (25.5)	399 (15.7)	249 (9.8)	687 (27.0)	379 (14.9)	308 (12.1)	300 (11.8)	500 (19.7)	175 (6.9)	175 (6.9)	269 (10.6)	10 / 1	84 (185)
XTE-040	723 (28.5)	455 (17.9)	268 (10.6)	772 (30.4)	384 (15.1)	388 (15.3)	400 (15.7)	574 (22.6)	196 (7.7)	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



Thrust Block Assembly



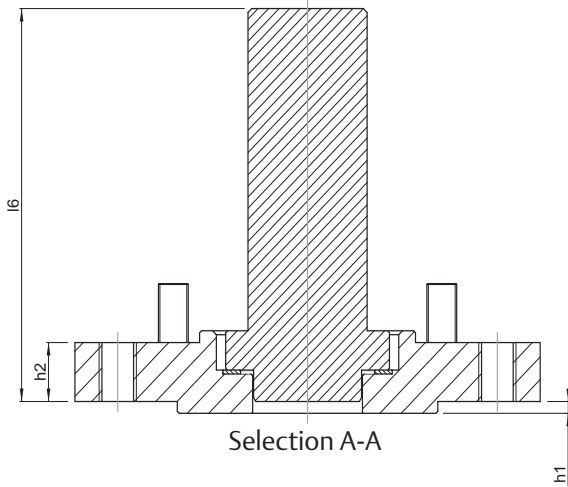
Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
Fnom kN	40	100	150	180	300
Fmax kN	60	150	225	270	450
Ød ₁	125 (4.9)	175 (6.9)	175 (6.9)	210 (8.3)	300(11.8)
Ød ₂ f8	70 (2.8)	100 (3.9)	100 (3.9)	130 (5.1)	200 (7.9)
Ød ₃	102 (4.0)	140 (5.5)	140 (5.5)	165 (6.5)	254 (10.0)
Ød ₄	M10	M16	M16	M20	M16
Ød ₅	33 (1.3)	46 (1.8)	62 (2.4)	68 (2.7)	78 (3.1)
Ød ₆ not machined ⁽⁵⁾				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)
l ₁	44 (1.73)	55 (2.2)	70 (2.8)	75 (3.0)	92 (3.62)
l 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)
N	4	4	4	4	8
Weight (N)	15	75	75	150	275

Model	010	020	030	040	050
MSS SP-102	FA10	FA14	FA14	FA16	FA25
Fnom kN	40	100	150	180	300
Fmax kN	60	150	225	270	450
Ød ₁	125	175	175	210	300
Ød ₂ f8	58.7	95.25	95.25	127	152
Ød ₃	101.6	139.7	139.7	165.1	254.4
Ød ₄ (UNC)	3/8-16	5/8-11	5/8-11	3/4-10	5/8-11
Ød ₅	33	46	62	68	78
Ød ₆ not machined ⁽⁵⁾				30	35
Ød ₆ max	32	45	60.5	65	76.5
Ød _x max	32	45	60.5	65	76.5
l ₁	44	55	70	75	92
l ₂	51	68	84	94	120
h ₁	3	4	4	5	5
h ₂	15	24	24	30	24
N	4	4	4	4	8
Weight (N)	15	75	75	150	275

1. Ød₆ max = Max threaded stem acceptable.
2. Ød_x = The maximum accepted diameter as prescribed by the key.
3. Fnom is the maximum thrust applicable to the XTE3000 block type "A" for DYNAMIC CONDITIONS with torque control set at 100%.
4. Fmax is the maximum thrust applicable to the XTE3000 block type "A" for STATIC CONDITIONS with manual override or with motor at stall torque.
5. Pre-holes model are available on request.
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	

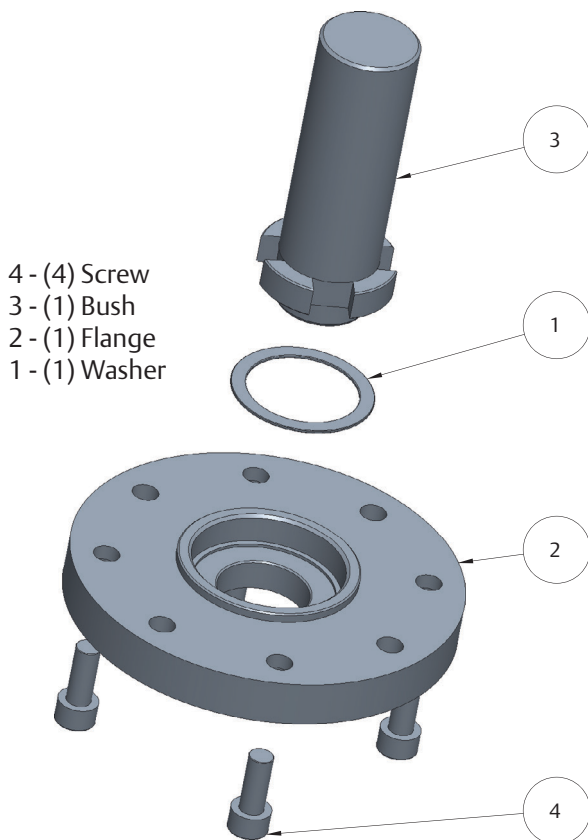
Output Drive Type B4 Dimensions



Model	010	020	030	040	050	
ISO 5210	F10	F14	F14	F16	F25	
B4	$\text{Ø}d_7 \text{ max}^{(6)}$	22 (0.9)	32 (1.3)	46 (1.8)	50 (2.0)	58 (2.3)
	$\text{Ø}d_x$	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)	150 (5.9)	178 (7.0)
	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

7. $\text{Ø}d_7$ with standard keyway according to ISO 773.
8. $\text{Ø}d_x$ = The maximum acceptable diameter as prescribed by the key.
9. **Note:** All units in mm (in) unless otherwise stated.

Thrust Block Type B4

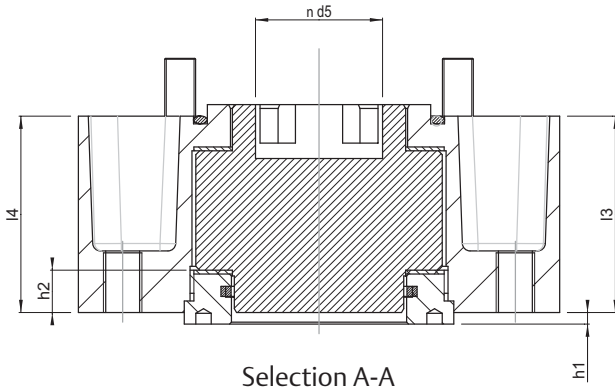


Model	010	020	030	040	050	
MSS SP-102	FA10	FA14	FA14	FA16	FA25	
B3	$\text{Ø}d_{10} \text{ H9}^{(6)}$	20	30	30	40	50
	Key size (bxh)	6x6	8x7	8x7	12x8	14x9
B4	$\text{Ø}d_y \text{ max}^{(6)}$	22	32	46	50	58
	$\text{Ø}d_x^{(7)}$	26	40	55	60	68
	l_6	100	120	130	150	178
	Weight (N)	10	55	60	120	200

6. $\text{Ø}d_{10}$ with standard keyway according to ISO 773.
 7. $\text{Ø}d_x$ = The maximum accepted diameter described by the key.
- Important:** B3 coupling bush is machined in accordance to the above indications.

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



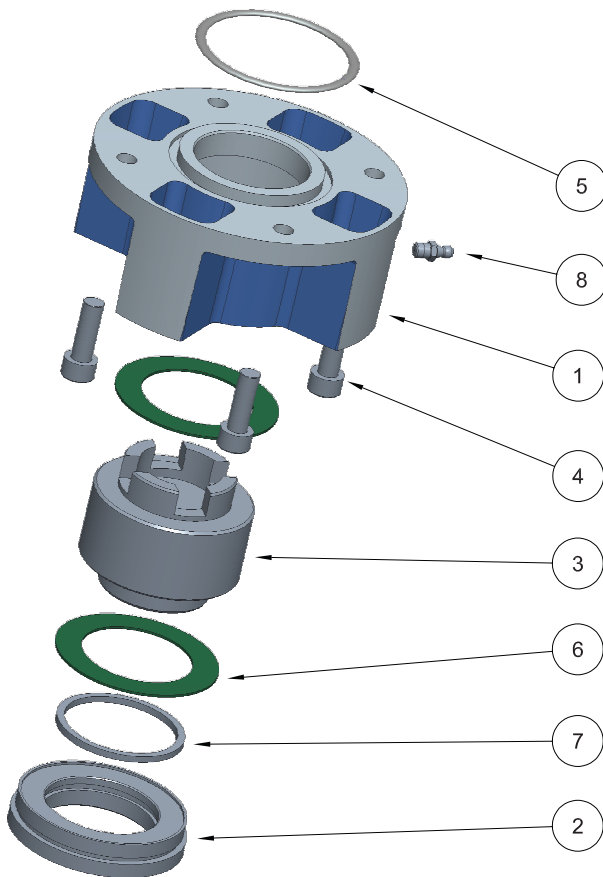
Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
$\text{Ø}d_5$	33 (1.3)	46 (1.8)	62 (2.4)	68 (2.7)	78 (3.1)
B6 $\text{Ø}d_7$ max ⁽⁶⁾	25 (1.0)	38 (1.5)	51 (2.0)	55 (2.2)	65 (2.6)
$\text{Ø}d_x$ max ⁽⁷⁾	33 (1.3)	46 (1.8)	62 (2.4)	66 (2.6)	75 (3.0)
l_3	44 (1.73)	55 (2.2)	70 (2.8)	75 (3.0)	92 (3.62)
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

10. $\text{Ø}d_7$ with standard keyway according to ISO 773.

11. $\text{Ø}d_x$ = The maximum acceptable diameter as prescribed by the key.

12. **Note:** All units in mm (in) unless otherwise stated.

Thrust Block Type B6



Model	010	020	030	040	050
MSS SP-102	FA10	FA14	FA14	FA16	FA25
$\text{Ø}d_5$	33	46	62	68	78
B5 $\text{Ø}d_7$ H9 ⁽⁶⁾	32	45	60	65	76
Key size (b x h)	12x8	18x11	18x11	22x14	28x16
B6 $\text{Ø}d_7$ max ⁽⁶⁾	32	45	60	65	76
$\text{Ø}d_x$ max ⁽⁷⁾	40	54.4	71	76	90
l_3	44	55	70	73	92
l_4	51	68	84	94	120
Weight (N)	15	65	70	140	260

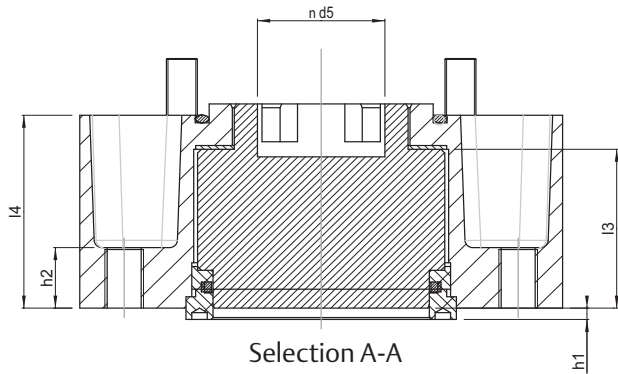
6. $\text{Ø}d_7$ with standard keyway according to ISO 773.

7. $\text{Ø}d_x$ = The maximum acceptable diameter described by the key.

Important: B5 coupling bush is machined in accordance to the above indications.

Item	Qty	Description	Material	Part Number	Spare
1	1	Thrust block	Cast iron	3800100400	
2	1	Seal locking ring	Bronze	3800100411	
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	

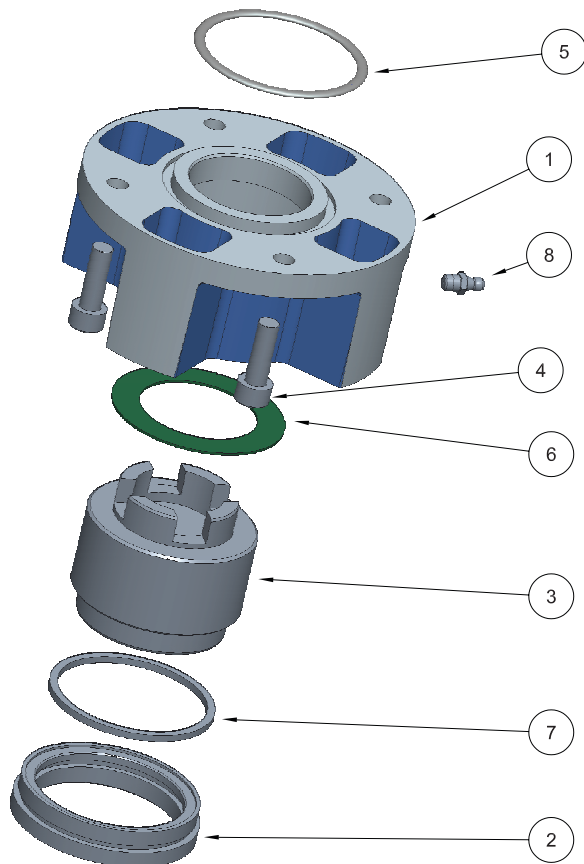
Output Drive Type B8 Dimensions



Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
$\text{Ø}d_5$	33 (1.3)	46 (1.8)	62 (2.4)	68 (2.7)	78 (3.1)
B8 $\text{Ø}d_7 \text{ max}^{(6)}$	42 (1.7)	60 (2.4)	60 (2.4)	80 (3.1)	100 (3.9)
$\text{Ø}d_x \text{ max}^{(7)}$	50 (2.0)	71 (2.8)	71 (2.8)	94 (3.7)	116 (4.6)
l_3	40 (1.6)	48 (1.88)	70 (2.8)	66 (2.59)	76 (2.99)
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

13. $\text{Ø}d_7$ with standard keyway according to ISO 773.
 14. $\text{Ø}d_x$ = The maximum acceptable diameter as prescribed by the key.
 15. **Note:** All units in mm (in) unless otherwise stated.

Thrust Block Type B8



Model	010	020	030	040	050
MSS SP-102	FA10	FA14	FA14	FA16	FA25
$\text{Ø}d_5$	NA*	46	62	68	78
B7 $\text{Ø}d_7 \text{ H9}^{(6)}$	NA*	60	60	80	100
Key size (bxh)	NA*	18x11	18x11	22x14	28x16
B8 $\text{Ø}d_7 \text{ max}^{(6)}$	NA*	60	60	80	100
$\text{Ø}d_x \text{ max}^{(7)}$	NA*	71	71	94	116
l_3	NA*	48	70	66	76
l_4	NA*	68	84	94	120
Weight (N)	NA*	65	70	140	260

6. $\text{Ø}d_7$ with standard keyway according to ISO 773.
 7. $\text{Ø}d_x$ = The maximum accepted diameter described by the key.
Important: B7 coupling bush is machined in accordance to the above indications.
Note: (NA*) FOR MODEL 010 PLEASE REFER TO TYPE B5/B6.

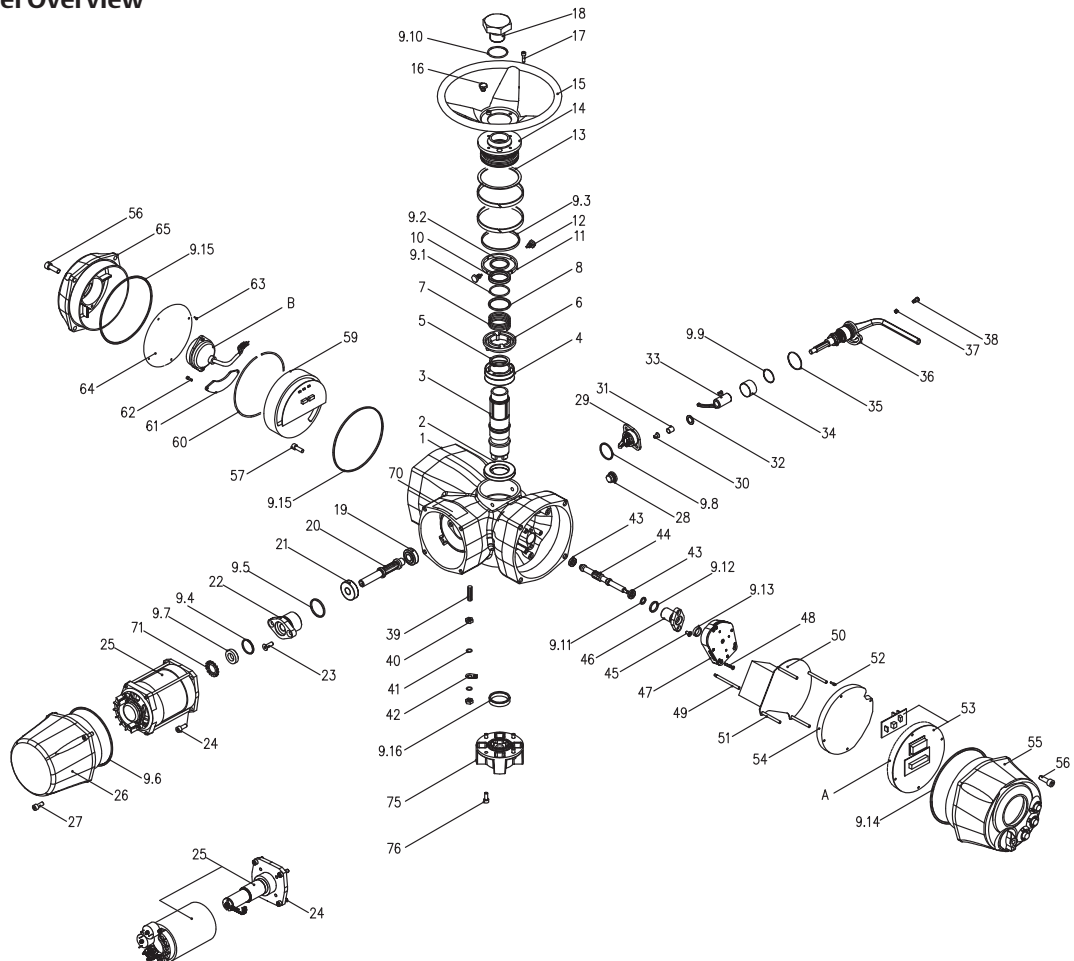
Item	Qty	Description	Material	Part Number	Spare
1	1	Thrust block	Cast iron	3800100400	
2	1	Seal locking ring	Carbon steel	3800100410	
3	1	Bush	Carbon steel	3800102450	
4	4	Screw	Stainless steel	8058212000	
5	1	O-ring	NBR	8092141000	X
6	2	Thrust bearing washer	Alloy steel	8411045000	
7	1	Q-ring	NBR	8800914133	X
8	1	Greaser	Carbon steel	8870120000	

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 Multi-turn actuator model XTE3000

Coding Chart		Part Number	W	D	8	5	V	T	B	Y1	Y2
XTE3000 Multi-Turn Actuator											
Control Type and Motor Duty							V				
Short-time duty (S2-15') (S2-30') Inching duty (S4-25% 60 St/h) (S4-25% 600 St/h) Local CONTROL							A				
Short-time duty (S2-15') (S2-30') Inching duty (S4-25% 60 St/h) (S4-25% 600 St/h) Local CONTROL 4-20 mA OUT							B				
Short-time duty (S2-15') (S2-30') Inching duty (S4-25% 60 St/h) (S4-25% 600 St/h) Local CONTROL 4-20 mA IN/OUT							C				
Modulating duty (S4-50%) 1200 St/h) Local CONTROL							N				
Modulating duty (S4-50%) 1200 St/h) Local CONTROL 4-20 mA IN/OUT							M				
Modulating duty (S4-50%) 1200 St/h) Local CONTROL Low Power							H				
Modulating duty (S4-50%) 1200 St/h) Local CONTROL 4-20 mA OUT Low Power							J				
Modulating duty (S4-50%) 1200 St/h) Local CONTROL 4-20 mA IN/OUT Low Power							K				
Power Supply								T			
Direct Current								C			
Single Phase								M			
Three Phase								T			
Control Options									B		
Hard-wired (Basic)									0		
LonWorks									A		
Profibus DP V1									G		
Profibus DP V1 redundant									K		
Profibus DP V2									J		
Profibus DP V2 Redundant									L		
Modbus redundant									V		
Modbus single channel with repeater									W		
Fieldbus Foundation									N		
Hart 7									H		
Accessories										Y1	Y2
Basic										0	0

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