

Bettis XTE3000

Intelligent, Multi-turn Electric Valve Actuator



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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.		
Diagnosis and Control	XTE diagnostic software is capable of detecting internal faults in the main functional systems and inhibit operation by actuator. Anomalies are reported locally by the display and via remote control. Using the display and push-button panel, it is possible to navigate through the menu and obtain complete information about the fault and correct identification and interpretation.		
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 (Logic card 0.9 W + Display (2.2 W) + Terminal board (0.9 W)) Internal powered.		
Paint Finish	Type	Corrosivity category	Typical Environments
	Standard	ISO 12944:2018 C5 High durability/CX	C5 - Industrial areas with high humidity and aggressive atmosphere, and Coastal and offshore areas with high salinity. CX - Offshore areas with extreme high salinity and Industrial areas with extreme humidity and aggressive atmosphere and tropical atmospheres.
	Special	Upon request	Upon request
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	LED colors: Green = open/opening Red = close/closing Yellow = alarm/warning Blue = Bluetooth® port active LED colors can be easily changed via the local control interface.	
Bluetooth	Bluetooth port included for easy wireless configuration, diagnostics, and control via a PC with Emerson DCMLink software.	
Remote Control	4 wires (OP, CL, Stop, C/latched) 3 wires (OP, CL, C/push-to-run or latched with instant reverse) 2 wires (NO contact to open or reverse)	
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	Status Open limit Closed limit Position >=xx % Position <=xx % Closing Opening Motor running blinker Mid-travel position Local selected Remote selected Local stop active ESD signal on Manual operation	Alarms Motor over-temperature Over-torque over torque in OP Over-torque in CL Valve jammed in OP Valve jammed in CL Valve jammed Warnings Low lithium battery (if present) Mid-travel alarm in CL/OP Mains-only AS8
Interlock Controls	Two interlock inputs are available to inhibit actuator movement in open or closed direction	
Emergency Shutdown (ESD)	Emergency shutdown (ESD) command makes the actuator perform the relevant programmed action (requires power supply)	
	Selector in LOCAL Selector in OFF Motor temperature alarm Local STOP push-button Torque alarm	2 speed timer Stay put Move to open position Move to close position Move to preset position
Monitor Relay	Loss of power Loss of one phase Electrical contactor failure Local stop activated Local selector switch in LOCAL/OFF Internal temperature alarm Position sensor Hardware error	Motor temperature alarm Torque alarm Jammed valve Mid-travel alarm Speed sensor configuration error Manual operation ESD signal Low battery
Intelligent Protection	Automatic phase correction Phase failure correction Motor thermostat Jammed valve protection Anti-hammer protection Instantaneous reversal protection	Warnings Contactor failure Maximum torque alarm Torque alarm bypass High/low electronic temperature Opto-coupled remote controls

Upper Display	LCD numeric 3-1/2 digit shows the current valve position as a percentage	
Lower Display	OLED graphic 128 x 64 dots (yellow monochromatic)	
Multiple Languages Display	Possible to choose from the following languages: English, Italian, German, French, Portuguese, Spanish, Russian, Turkish, Norwegian, Romanian, and Polish	
Factory Set Display Menu	English	
Battery	Option A (9 V lithium battery included)	- Local position display active (LCD 3 1/2 digit) - Real-time clock (Back-up) - 4 to 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 to 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
- FM-US
- SIL 2/3
- Brazil - INMETRO
- EAC CoC (CU-TR)
- China (CCC)
- United Arab Emirates - ECAS
- United Kingdom - UKCA

Test Summary

■ Vibration Test

- XTE3000 is in accordance to 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 s.

■ 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							

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							

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							

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							

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								

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								

Power Supply Direct Current

Inching Duty

S4-25% 600 St/h

Voltage/frequency	24	48	-	-	-	-	-	-	-	DC	Volt
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
Special Voltage/frequency	-	-	-	-	-	-	-	-	-	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 A – XTE3000

Non-Hazardous Area Enclosures

WP – Weatherproof

	Standard	Rating	Extension	Temperature		
				Standard	Low	Extreme Low
All Models	IEC 60529	IP66/IP68	With or Without	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
All Models	NEMA (US)	Type 4, 4X, 6	With or Without	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F

Hazardous Area Enclosures

European Hazardous Area Directive – ATEX

	Directive Code	Enclosure Code	Extension	Motor Duty	Temperature		
					Standard	Low	Extreme Low
XTE 010-020	2014/34/EU	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 °C to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
XTE 030-040-050	2014/34/EU	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 °C to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
XTE 010-020	2014/34/EU	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 °C to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
All Models	2014/34/EU	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 °C to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F
XTE 010-020	2014/34/EU	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 °C to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F

International Certification for Hazardous Area – IECEx

	Directive Code	Enclosure Code	Extension	Motor Duty	Temperature		
					Standard	Low	Extreme Low
XTE 010-020	-	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
XTE 030-040-050	-	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-55 to 85 °C / -67 to 185 °F
XTE 010-020	-	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
All Models	-	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F
XTE 010-020	-	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F

Canadian Standards – CSA

	Directive Code	Enclosure Code	Temperature		
			Standard	Low	Extreme Low
All Models	CA (CEC Section 18)	Ex db IIB T4 Gb, Ta, Type 4, 4X, 6	-20 to 70 °C / -4 to 158 °F	-	-50 to 70 °C / -58 to 158 °F
XTE 010-020	CA (CEC Section 18)	Ex db IIC T4 Gb, Ta, Type 4, 4X, 6	-20 to 70 °C / -4 to 158 °F	-	-50 to 70 °C / -58 to 158 °F

NOTES:

Limited availability

XTE3000 not available at voltages upper than 600 V

USA Standards – Factory Mutual

	Coding System	Class	Division	Group	Temperature		
					Standard	Low	Extreme Low
All Models	NEC500	I	1	C, D	-25 to 70 °C / -13 to 158 °F	-	-
		II	1	E, F, G			
		III	1	-			
XTE 10-020	NEC500	I	1	C, D	-25 to 70 °C / -13 to 158 °F	-40 to 70 °C / -40 to 158 °F	-
		II	1	E, F, G			
		III	1	-			

	Coding System	Zone	Enclosure Code	Temperature		
				Standard	Low	Extreme Low
All Models	NEC505	1	AEx db IIB T4 Gb Ta	-25 to 70 °C / -13 to 158 °F	-	-50 to 70 °C / -58 to 158 °F
XTE 010-020	NEC505	1	AEx db IIC T4 Gb Ta	-25 to 70 °C / -13 to 158 °F	-	-50 to 70 °C / -58 to 158 °F

NOTES:

Limited availability

XTE3000 not available at voltages upper than 600 V

Table B – XTE3000 (Upgrade)

Non-Hazardous Area Enclosures

WP – Weatherproof

	Standard	Rating	Extension	Temperature		
				Standard	Low	Extreme Low
All Models	IEC 60529	IP66/IP68	With or Without	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 °F to 185 °F	-60 to 85 °C / -76 to 185 °F
All Models	NEMA (US)	Type 4, 4X, 6	With or Without	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 °F to 185 °F	-60 to 85 °C / -76 to 185 °F

Hazardous Area Enclosures

European Hazardous Area Directive – ATEX

	Directive Code	Enclosure Code	Extension	Motor Duty	Temperature		
					Standard	Low	Extreme Low
All Models	2014/34/EU	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
XTE 010-020	2014/34/EU	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
All Models	2014/34/EU	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F
XTE 010-020	2014/34/EU	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F
XTE 030-040-050	2014/34/EU	Ex db h or db h ia IIB+H2 T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time max 60 St/h	-20 to 60 °C / -4 to 140 °F	40 to 60 °C / -40 to 140 °F	-60 to 60 °C / -76 to 140 °F
XTE 030-040-050	2014/34/EU	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time max 60 St/h	-20 to 60 °C / -4 to 140 °F	-	-

International Certification for Hazardous Area – IECEx

	Directive Code	Enclosure Code	Extension	Motor Duty	Temperature		
					Standard	Low	Extreme Low
All Models	-	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
XTE 010-020	-	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time max 60 St/h	-20 to 85 °C / -4 to 185 °F	-40 to 85 °C / -40 to 185 °F	-60 to 85 °C / -76 to 185 °F
All Models	-	Ex db h or db h ia IIB T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	With or Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F
XTE 010-020	-	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Intermittent > 60 St/h	-20 to 75 °C / -4 to 167 °F	-40 to 75 °C / -40 to 167 °F	-60 to 75 °C / -76 to 167 °F
XTE 030-040-050	2014/34/EU	Ex db h or db h ia IIB+H2 T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time > 60 St/h	-20 to 60 °C / -4 to 140 °F	-40 to 60 °C / -40 to 140 °F	-60 °C to 60 °C / -76 °F to 140 °F
XTE 030-040-050	2014/34/EU	Ex db h or db h ia IIC T4 Gb - Ex h tb IIIC T135 °C Db IP66/68	Without	Short time > 60 St/h	-20 to 60 °C / -4 to 140 °F	-	-

Canadian Standards – CSA

	Directive Code	Enclosure Code	Temperature		
			Standard	Low	Extreme Low
All Models	CA (CEC Section 18)	Ex db IIB T4 Gb, Ta, Type 4, 4X, 6	-20 to 70 °C / -4 to 158 °F	-	-50 to 70 °C / -58 to 158 °F
XTE 010-020	CA (CEC Section 18)	Ex db IIC T4 Gb, Ta, Type 4, 4X, 6	-20 to 70 °C / -4 to 158 °F	-	-50 to 70 °C / -58 to 158 °F

	Directive Code	Enclosure Code	Extension	Motor Duty	Temperature		
					Standard	Low	Extreme Low
XTE 030-040-050	CA (CEC Section 18)	Ex db IIC T4 Gb, Ta, Type 4, 4X, 6	Without	All	-20 to 60 °C / -4 to 140 °F	-	-
XTE 030-040-050	CA (CEC Section 18)	Ex db IIB+H2 T4 Gb, Ta, Type 4, 4X, 6	Without	All	-20 to 60 °C / -4 to 140 °F	-	-50 to 60 °C / -58 to 140 °F

NOTES:

Limited availability

XTE3000 not available at voltages upper than 600 V

USA Standards – Factory Mutual

	Coding System	Class	Division	Group	Temperature		
					Standard	Low	Extreme Low
All Models	NEC500	I	1	C, D	-25 to 70 °C / -13 to 158 °F	-	-
		II	1	E, F, G			
		III	1	-			
XTE 10-020	NEC500	I	1	C, D	-25 to 70 °C / -13 to 158 °F	-40 to 70 °C / -40 to 158 °F	-
		II	1	E, F, G			
		III	1	-			

	Coding System	Zone	Enclosure Code	Temperature		
				Standard	Low	Extreme Low
All Models	NEC505	1	AEx db IIB T4 Gb Ta	-25 to 70 °C / -13 to 158 °F	-	-50 to 70 °C / -58 to 158 °F
XTE 010-020	NEC505	1	AEx db IIC T4 Gb Ta	-25 to 70 °C / -13 to 158 °F	-	-50 to 70 °C / -58 to 158 °F

	Coding System	Zone	Enclosure Code	Extension	Motor Duty	Temperature		
						Standard	Low	Extreme Low
XTE 030-040-050	NEC505	1	AEx db IIC T4 Gb Ta, Type 4, 4X, 6	Without	All	20 to 60 °C / -4 to 140 °F	-	-
XTE 030-040-050	NEC505	1	AEx db IIB+H2 T4 Gb Ta, Type 4, 4X, 6	Without	All	-20 to 60 °C / -4 to 140 °F	-	-50 to 60 °C / -58 to 140 °F

NOTES:

Limited availability

XTE3000 not available at voltages upper than 600 V

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	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type							Hz
			12	18	24	36	48	72	144	50
	min.	nom.	14	22	29	43	58	86	173	60
XTE 010	12 / 9	30 / 22	SM00	SM01	SM10	SM03	SM04	SM05	SM06	-
XTE 010	36 / 27	90 / 66	SM10	SM11	SM12	SM13	SM14	SM15	SM16	-
XTE 020	72 / 53	180 / 133	-	SM13	SM14	SM15	SM21	SM22	SM23	-
XTE 030	144 / 106	360 / 266	SM21	SM32	SM21	-	SM30	SM23	SM31	-
XTE 040	288 / 212	720 / 531	SM30	SM44	SM30	SM40	SM41	SM31	SM42	-
XTE 050	576 / 425	1440 / 1062	SM41	SM40	SM41	SM43	SM50	SM42	SM51	-

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Short-time Duty (S2-30')

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type							Hz
			12	18	24	36	48	72	144	50
	min.	nom.	14	22	29	43	58	86	173	60
XTE 010	12 / 9	30 / 22	TM00	TM01	TM10	TM03	TM04	TM05	TM06	-
XTE 010	36 / 27	90 / 66	TM10	TM11	TM12	TM13	TM14	TM15	TM16	-
XTE 020	72 / 53	180 / 133	-	TM13	TM14	TM15	TM21	TM22	TM23	-
XTE 030	144 / 106	360 / 266	-	-	TM21	-	TM30	TM23	TM31	-
XTE 040	288 / 212	720 / 531	-	-	TM30	TM40	-	TM31	-	-

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Modulating Duty

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

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type							Hz
			12	18	24	36	48	72	144	50
	min.	nom.	14	22	29	43	58	86	173	60
XTE 010	12 / 9	30 / 22	TM00	TM01	TM10	TM03	TM04	TM05	TM06	-
XTE 010	36 / 27	90 / 66	TM10	TM11	TM12	TM13	TM14	TM15	TM16	-
XTE 020	72 / 53	180 / 133	-	TM13	TM14	TM15	TM21	TM22	TM23	-
XTE 030	144 / 106	360 / 266	-	-	TM21	-	TM30	TM23	TM31	-
XTE 040	288 / 212	720 / 531	-	-	TM30	TM40	-	TM31	-	-

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

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

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type							Hz
			12	18	24	36	48	72	144	50
	min.	nom.	14	22	29	43	58	86	173	60
XTE 010R	12 / 9	30 / 22	TM00	TM01	TM10	TM03	TM04	TM05	-	-
XTE 010R	36 / 27	90 / 66	TM10	TM11	TM12	TM13	TM14	TM15	-	-
XTE 020R	72 / 53	180 / 133	-	TM13	TM14	TM15	TM21	TM22	-	-
XTE 030R	144 / 106	360 / 266	-	-	TM21	-	TM30	-	-	-
XTE 040R	288 / 212	720 / 531	-	-	TM30	-	-	-	-	-

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

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	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type		
	min.	nom.	from	to	motor
XTE 010	12 / 9	30 / 22	8	17	TM11
XTE 010	12 / 9	30 / 22	24	72	TM15
XTE 010	12 / 9	30 / 22	73	172	TM16
XTE 010	36 / 27	90 / 66	6	23	TM13
XTE 010	36 / 27	90 / 66	24	95	TM18
XTE 010	36 / 27	90 / 66	96	120	TM16
XTE 020	72 / 53	180 / 133	12	36	TM22
XTE 020	72 / 53	180 / 133	48	60	TM22
XTE 030	144 / 106	360 / 266	10	30	TM30

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Power Supply 110-115-120 V/50-60 Hz

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type		
	min.	nom.	from	to	motor
XTE 010	12 / 9	30 / 22	8	17	TM11
XTE 010	12 / 9	30 / 22	18	62	TM14
XTE 010	12 / 9	30 / 22	63	94	TM15
XTE 010	36 / 27	90 / 66	6	23	TM13
XTE 010	36 / 27	90 / 66	24	40	TM14
XTE 020	72 / 53	180 / 133	8	20	TM21

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Modulating Duty

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

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

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type		
	min.	nom.	from	to	motor
XTE 010R	12 / 9	30 / 22	8	17	TM11
XTE 010R	12 / 9	30 / 22	24	72	TM15
XTE 010R	12 / 9	30 / 22	73	172	TM16
XTE 010R	36 / 27	90 / 66	6	23	TM13
XTE 010R	36 / 27	90 / 66	24	95	TM18
XTE 020R	72 / 53	180 / 133	12	36	TM22
XTE 020R	72 / 53	180 / 133	48	60	TM22
XTE 030R	144 / 106	360 / 266	10	30	TM30

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Power Supply 110-115-120 V/50-60 Hz

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type		
	min.	nom.	from	to	motor
XTE 010R	12 / 9	30 / 22	8	17	TM11
XTE 010R	12 / 9	30 / 22	18	62	TM14
XTE 010R	12 / 9	30 / 22	63	94	TM15
XTE 010R	36 / 27	90 / 66	6	23	TM13
XTE 010R	36 / 27	90 / 66	24	40	TM14
XTE 020R	72 / 53	180 / 133	8	20	TM21

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Power Supply Direct Current

Modulating Duty

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

Power Supply 24 V DC

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type		
	min.	nom.	from	to	motor
XTE 010D	12 / 9	30 / 22	12	29	DM05d
XTE 010D	12 / 9	30 / 22	30	60	DM05d
XTE 010D	36 / 27	90 / 66	12	29	DM05
XTE 010D	36 / 27	90 / 66	24	30	DM05
XTE 010D	36 / 27	90 / 66	50	68	DM05

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

Power Supply 48 V DC

Type	Output Torque ⁽⁴⁾ Nm / lbf-ft		Operating Speed (RPM)/Motor Type		
	min.	nom.	from	to	motor
XTE 010D	12 / 9	30 / 22	12	29	DM05d
XTE 010D	12 / 9	30 / 22	30	60	DM05d
XTE 010D	36 / 27	90 / 66	12	30	DM05
XTE 010D	36 / 2	90 / 66	50	68	DM05

NOTES:

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.
7. Stall Torque will be up to 2 times the Nominal Torque depending on speed and voltage. Maximum torque/thrust that electric actuator develops when the motor is energized and the output drive is locked.

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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.07	0.8	1.0	1.4	0.42	0.13	0.17	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	1.36	1.6	2.33	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.19	2.4	4.3	5.0	0.47	0.43	0.58	33.8
XTE_010/30-72	72	SM05	20	0.22	0.29	2.2	4.6	7.8	0.56	0.47	0.63	46.3
XTE_010/30-144	144	SM06	20	0.43	0.58	3.1	4.5	10.8	0.71	0.84	1.12	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	2.6	3.0	4.3	0.43	0.43	0.57	17.3
XTE_010/90-18	18	SM11	40	0.11	0.15	2.6	2.9	5.0	0.43	0.43	0.57	25.9
XTE_010/90-24	24	SM12	20	0.12	0.17	3.5	3.7	5.0	0.46	0.61	0.82	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	3.6	4.6	6.3	0.41	0.56	0.75	32.9
XTE_010/90-48	48	SM14	20	0.29	0.39	3.1	3.7	9.2	0.46	0.54	0.73	53.0
XTE_010/90-72	72	SM15	20	0.37	0.49	3.8	5.3	13.3	0.55	0.80	1.07	45.9
XTE_010/90-144	144	SM16	20	0.74	0.99	5.1	8.5	22.6	0.67	1.30	1.74	57.0
XTE_020/180-18	18	SM13	40	0.19	0.25	3.6	4.6	6.3	0.41	0.56	0.75	32.9
XTE_020/180-24	24	SM14	40	0.29	0.39	3.1	3.7	9.2	0.46	0.54	0.73	53.0
XTE_020/180-36	36	SM15	40	0.37	0.49	3.8	5.3	13.3	0.55	0.80	1.07	45.9
XTE_020/180-48	48	SM21	20	0.53	0.71	5.1	8.5	14.1	0.43	0.84	1.12	63.4
XTE_020/180-72	72	SM22	20	0.78	1.05	5.6	11.0	21.0	0.61	1.30	1.74	60.2
XTE_020/180-144	144	SM23	20	1.48	1.98	9.3	15.1	42.4	0.67	2.37	3.18	62.3
XTE_030/360-12	12	SM21	80	0.53	0.71	5.1	8.5	14.1	0.43	0.84	1.12	63.4
XTE_030/360-18	18	SM32	40	0.50	0.67	5.6	7.3	15.1	0.39	0.83	1.12	60.2
XTE_030/360-24	24	SM21	40	0.53	0.71	5.1	8.5	14.1	0.43	0.84	1.12	63.4
XTE_030/360-48	48	SM30	20	1.13	1.51	10.9	18.3	32.6	0.43	1.79	2.39	63.1
XTE_030/360-72	72	SM23	40	1.48	1.98	9.3	15.1	42.4	0.67	2.37	3.18	62.3
XTE_030/360-144	144	SM31	20	3.38	4.53	15.5	31.8	90.8	0.68	4.02	5.38	84.2
XTE_040/720-12	12	SM30	80	1.13	1.51	10.9	18.3	32.6	0.43	1.79	2.39	63.1
XTE_040/720-18	18	SM44	40	0.84	1.12	7.8	13.2	21.6	0.39	1.16	1.55	72.4
XTE_040/720-24	24	SM30	40	1.13	1.51	10.9	18.3	32.6	0.43	1.79	2.39	63.1
XTE_040/720-36	36	SM40	40	1.69	2.26	10.9	21.7	50.9	0.67	2.78	3.73	60.6
XTE_040/720-48	48	SM41	20	1.95	2.61	13.3	27.0	44.9	0.49	2.48	3.33	78.5
XTE_040/720-72	72	SM31	40	3.38	4.53	15.5	31.8	90.8	0.68	4.02	5.38	84.2
XTE_040/720-144	144	SM42	20	5.82	7.80	27.8	56.4	141.4	0.73	7.73	10.36	75.3
XTE_050/1440-12	12	SM41	80	1.95	2.61	13.3	27.0	44.9	0.49	2.48	3.33	78.5
XTE_050/1440-18	18	SM40	80	1.69	2.26	10.9	21.7	50.9	0.67	2.78	3.73	60.6
XTE_050/1440-24	24	SM41	40	1.95	2.61	13.3	27.0	44.9	0.49	2.48	3.33	78.5
XTE_050/1440-36	36	SM43	40	2.89	3.87	16.2	31.8	74.0	0.56	3.46	4.63	83.6
XTE_050/1440-48	48	SM50	20	3.88	5.20	19.8	36.1	114.0	0.61	4.60	6.17	84.3
XTE_050/1440-72	72	SM42	40	5.82	7.80	27.8	56.4	141.4	0.73	7.73	10.36	75.3
XTE_050/1440-144	144	SM51	20	11.66	15.62	48.9	106.9	325.2	0.71	13.23	17.73	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.07	0.8	1.0	1.5	0.42	0.13	0.18	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	2.4	3.0	4.5	0.43	0.41	0.55	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	1.3	1.56	2.44	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.20	2.3	4.2	5.2	0.47	0.43	0.58	33.8
XTE_010/30-72	72	SM05	20	0.22	0.29	2.1	4.5	8.2	0.56	0.47	0.63	46.3
XTE_010/30-144	144	SM06	20	0.44	0.58	3.0	4.4	11.3	0.71	0.85	1.14	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	2.4	3.0	4.5	0.43	0.41	0.55	17.3
XTE_010/90-18	18	SM11	40	0.11	0.14	2.4	2.8	5.2	0.43	0.41	0.55	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	3.3	3.7	5.2	0.46	0.60	0.81	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.9
XTE_010/90-48	48	SM14	20	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	53.0
XTE_010/90-72	72	SM15	20	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.9
XTE_010/90-144	144	SM16	20	0.74	0.99	4.9	8.4	23.7	0.67	1.31	1.75	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	3.5	4.5	6.6	0.41	0.57	0.77	32.9
XTE_020/180-24	24	SM14	40	0.29	0.39	3.0	3.7	9.6	0.46	0.55	0.74	53.0
XTE_020/180-36	36	SM15	40	0.37	0.50	3.7	5.2	13.9	0.55	0.81	1.09	45.9
XTE_020/180-48	48	SM21	20	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.4
XTE_020/180-72	72	SM22	20	0.79	1.06	5.4	10.8	21.9	0.61	1.31	1.76	60.2
XTE_020/180-144	144	SM23	20	1.48	1.98	8.9	14.8	44.4	0.67	2.38	3.18	62.3
XTE_030/360-12	12	SM21	80	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	5.4	7.1	15.8	0.39	0.84	1.12	60.2
XTE_030/360-24	24	SM21	40	0.53	0.71	4.9	8.4	14.8	0.43	0.84	1.12	63.4
XTE_030/360-48	48	SM30	20	1.12	1.51	10.4	17.9	34.1	0.43	1.78	2.39	63.1
XTE_030/360-72	72	SM23	40	1.48	1.98	8.9	14.8	44.4	0.67	2.38	3.18	62.3
XTE_030/360-144	144	SM31	20	3.38	4.52	14.8	31.1	95.0	0.68	4.01	5.37	84.2
XTE_040/720-12	12	SM30	80	1.12	1.51	10.4	17.9	34.1	0.43	1.78	2.39	63.1
XTE_040/720-18	18	SM44	40	0.84	1.13	7.5	12.9	22.6	0.39	1.17	1.56	72.4
XTE_040/720-24	24	SM30	40	1.12	1.51	10.4	17.9	34.1	0.43	1.78	2.39	63.1
XTE_040/720-36	36	SM40	40	1.68	2.25	10.4	21.2	53.2	0.67	2.78	3.72	60.6
XTE_040/720-48	48	SM41	20	1.95	2.61	12.7	26.4	47.0	0.49	2.48	3.32	78.5
XTE_040/720-72	72	SM31	40	3.38	4.52	14.8	31.1	95.0	0.68	4.01	5.37	84.2
XTE_040/720-144	144	SM42	20	5.82	7.81	26.6	55.1	147.8	0.73	7.74	10.37	75.3
XTE_050/1440-12	12	SM41	80	1.95	2.61	12.7	26.4	47.0	0.49	2.48	3.32	78.5
XTE_050/1440-18	18	SM40	80	1.68	2.25	10.4	21.2	53.2	0.67	2.78	3.72	60.6
XTE_050/1440-24	24	SM41	40	1.95	2.61	12.7	26.4	47.0	0.49	2.48	3.32	78.5
XTE_050/1440-36	36	SM43	40	2.89	3.87	15.5	31.1	77.4	0.56	3.46	4.63	83.6
XTE_050/1440-48	48	SM50	20	3.89	5.22	19.0	35.3	119.1	0.61	4.62	6.19	84.3
XTE_050/1440-72	72	SM42	40	5.82	7.81	26.6	55.1	147.8	0.73	7.74	10.37	75.3
XTE_050/1440-144	144	SM51	20	11.66	15.63	46.8	104.5	340.0	0.71	13.24	17.74	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.06	0.7	0.9	1.5	0.42	0.12	0.16	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	1.25	1.53	2.54	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.19	2.2	4.1	5.4	0.47	0.43	0.58	33.8
XTE_010/30-72	72	SM05	20	0.22	0.29	2.0	4.4	8.5	0.56	0.47	0.62	46.3
XTE_010/30-144	144	SM06	20	0.42	0.57	2.8	4.3	11.8	0.71	0.83	1.11	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	2.3	2.9	4.7	0.43	0.41	0.55	17.3
XTE_010/90-18	18	SM11	40	0.11	0.14	2.3	2.7	5.4	0.43	0.41	0.55	25.9
XTE_010/90-24	24	SM12	20	0.12	0.17	3.2	3.6	5.4	0.46	0.61	0.82	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	3.3	4.4	6.9	0.41	0.56	0.75	32.9
XTE_010/90-48	48	SM14	20	0.28	0.38	2.8	3.6	10.0	0.46	0.54	0.72	53.0
XTE_010/90-72	72	SM15	20	0.37	0.49	3.5	5.1	14.5	0.55	0.80	1.07	45.9
XTE_010/90-144	144	SM16	20	0.74	0.99	4.7	8.2	24.7	0.67	1.31	1.75	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	3.3	4.4	6.9	0.41	0.56	0.75	32.9
XTE_020/180-24	24	SM14	40	0.28	0.38	2.8	3.6	10.0	0.46	0.54	0.72	53.0
XTE_020/180-36	36	SM15	40	0.37	0.49	3.5	5.1	14.5	0.55	0.80	1.07	45.9
XTE_020/180-48	48	SM21	20	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	63.4
XTE_020/180-72	72	SM22	20	0.79	1.06	5.2	10.6	22.9	0.61	1.32	1.77	60.2
XTE_020/180-144	144	SM23	20	1.47	1.98	8.5	14.5	46.3	0.67	2.37	3.17	62.3
XTE_030/360-12	12	SM21	80	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	5.2	7.0	16.5	0.39	0.84	1.13	60.2
XTE_030/360-24	24	SM21	40	0.53	0.71	4.7	8.2	15.4	0.43	0.84	1.13	63.4
XTE_030/360-48	48	SM30	20	1.13	1.51	10.0	17.5	35.6	0.43	1.79	2.40	63.1
XTE_030/360-72	72	SM23	40	1.47	1.98	8.5	14.5	46.3	0.67	2.37	3.17	62.3
XTE_030/360-144	144	SM31	20	3.38	4.53	14.2	30.5	99.1	0.68	4.01	5.38	84.2
XTE_040/720-12	12	SM30	80	1.13	1.51	10.0	17.5	35.6	0.43	1.79	2.40	63.1
XTE_040/720-18	18	SM44	40	0.85	1.13	7.2	12.6	23.6	0.39	1.17	1.56	72.4
XTE_040/720-24	24	SM30	40	1.13	1.51	10.0	17.5	35.6	0.43	1.79	2.40	63.1
XTE_040/720-36	36	SM40	40	1.69	2.26	10.0	20.8	55.5	0.67	2.79	3.73	60.6
XTE_040/720-48	48	SM41	20	1.95	2.61	12.2	25.9	49.0	0.49	2.49	3.33	78.5
XTE_040/720-72	72	SM31	40	3.38	4.53	14.2	30.5	99.1	0.68	4.01	5.38	84.2
XTE_040/720-144	144	SM42	20	5.83	7.81	25.5	54.0	154.3	0.73	7.74	10.37	75.3
XTE_050/1440-12	12	SM41	80	1.95	2.61	12.2	25.9	49.0	0.49	2.49	3.33	78.5
XTE_050/1440-18	18	SM40	80	1.69	2.26	10.0	20.8	55.5	0.67	2.79	3.73	60.6
XTE_050/1440-24	24	SM41	40	1.95	2.61	12.2	25.9	49.0	0.49	2.49	3.33	78.5
XTE_050/1440-36	36	SM43	40	2.88	3.86	14.8	30.5	80.8	0.56	3.45	4.62	83.6
XTE_050/1440-48	48	SM50	20	3.89	5.21	18.2	34.6	124.3	0.61	4.62	6.18	84.3
XTE_050/1440-72	72	SM42	40	5.83	7.81	25.5	54.0	154.3	0.73	7.74	10.37	75.3
XTE_050/1440-144	144	SM51	20	11.65	15.61	44.8	102.3	354.8	0.71	13.22	17.72	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.07	0.5	0.6	0.8	0.42	0.14	0.19	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.79	0.92	1.48	0.46	0.24	0.32	31.0
XTE_010/30-72	72	SM05	20	0.22	0.30	1.3	2.7	4.5	0.56	0.48	0.64	46.3
XTE_010/30-144	144	SM06	20	0.43	0.58	1.8	2.6	6.2	0.71	0.84	1.13	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	1.5	1.7	2.5	0.43	0.42	0.57	17.3
XTE_010/90-18	18	SM11	40	0.11	0.15	1.5	1.6	2.9	0.43	0.42	0.57	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	2.0	2.2	2.9	0.46	0.61	0.81	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	2.1	2.7	3.6	0.41	0.57	0.76	32.9
XTE_010/90-48	48	SM14	20	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.0
XTE_010/90-72	72	SM15	20	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.9
XTE_010/90-144	144	SM16	20	0.75	1.00	3.0	4.9	12.9	0.67	1.32	1.77	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	2.1	2.7	3.6	0.41	0.57	0.76	32.9
XTE_020/180-24	24	SM14	40	0.29	0.39	1.8	2.2	5.2	0.46	0.54	0.73	53.0
XTE_020/180-36	36	SM15	40	0.37	0.49	2.2	3.1	7.6	0.55	0.80	1.07	45.9
XTE_020/180-48	48	SM21	20	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_020/180-72	72	SM22	20	0.80	1.08	3.3	6.4	12.0	0.61	1.32	1.78	60.7
XTE_020/180-144	144	SM23	20	1.48	1.99	5.4	8.7	24.2	0.67	2.38	3.19	62.3
XTE_030/360-12	12	SM21	80	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	3.3	4.2	8.7	0.39	0.84	1.12	61.0
XTE_030/360-24	24	SM21	40	0.54	0.72	3.0	4.9	8.1	0.43	0.85	1.14	63.4
XTE_030/360-48	48	SM30	20	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1
XTE_030/360-72	72	SM23	40	1.48	1.99	5.4	8.7	24.2	0.67	2.38	3.19	62.3
XTE_030/360-144	144	SM31	20	3.39	4.54	9.0	18.4	51.9	0.68	4.03	5.40	84.2
XTE_040/720-12	12	SM30	80	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1
XTE_040/720-18	18	SM44	40	0.84	1.12	4.5	7.6	12.4	0.39	1.15	1.55	72.4
XTE_040/720-24	24	SM30	40	1.13	1.51	6.3	10.6	18.6	0.43	1.78	2.39	63.1
XTE_040/720-36	36	SM40	40	1.68	2.26	6.3	12.5	29.1	0.67	2.78	3.72	60.6
XTE_040/720-48	48	SM41	20	1.95	2.61	7.7	15.6	25.7	0.49	2.48	3.33	78.5
XTE_040/720-72	72	SM31	40	3.39	4.54	9.0	18.4	51.9	0.68	4.03	5.40	84.2
XTE_040/720-144	144	SM42	20	5.82	7.79	16.1	32.5	80.8	0.73	7.74	10.37	75.2
XTE_050/1440-12	12	SM41	80	1.95	2.61	7.7	15.6	25.7	0.49	2.48	3.33	78.5
XTE_050/1440-18	18	SM40	80	1.68	2.26	6.3	12.5	29.1	0.67	2.78	3.72	60.6
XTE_050/1440-24	24	SM41	40	1.95	2.61	7.7	15.6	25.7	0.49	2.48	3.33	78.5
XTE_050/1440-36	36	SM43	40	2.90	3.88	9.4	18.4	42.3	0.56	3.46	4.64	83.6
XTE_050/1440-48	48	SM50	20	3.89	5.22	11.5	20.8	65.1	0.61	4.62	6.19	84.3
XTE_050/1440-72	72	SM42	40	5.82	7.79	16.1	32.5	80.8	0.73	7.74	10.37	75.2
XTE_050/1440-144	144	SM51	20	11.65	15.61	28.3	61.7	185.7	0.71	13.22	17.72	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.04	0.06	0.4	0.6	0.9	0.42	0.12	0.16	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.75	0.9	1.4	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.14	0.19	1.3	2.4	3.0	0.47	0.42	0.57	33.8
XTE_010/30-72	72	SM05	20	0.22	0.29	1.2	2.6	4.7	0.56	0.47	0.62	46.3
XTE_010/30-144	144	SM06	20	0.43	0.57	1.7	2.5	6.5	0.71	0.84	1.12	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	1.4	1.7	2.6	0.43	0.42	0.56	17.3
XTE_010/90-18	18	SM11	40	0.11	0.14	1.4	1.6	3.0	0.43	0.42	0.56	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	1.9	2.1	3.0	0.46	0.61	0.81	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.9
XTE_010/90-48	48	SM14	20	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.0
XTE_010/90-72	72	SM15	20	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.9
XTE_010/90-144	144	SM16	20	0.73	0.98	2.8	4.8	13.6	0.67	1.30	1.74	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	2.0	2.6	3.8	0.41	0.57	0.76	32.9
XTE_020/180-24	24	SM14	40	0.29	0.38	1.7	2.1	5.5	0.46	0.54	0.73	53.0
XTE_020/180-36	36	SM15	40	0.37	0.49	2.1	3.0	8.0	0.55	0.80	1.07	45.9
XTE_020/180-48	48	SM21	20	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_020/180-72	72	SM22	20	0.79	1.06	3.1	6.2	12.6	0.61	1.31	1.76	60.2
XTE_020/180-144	144	SM23	20	1.47	1.98	5.1	8.5	25.5	0.67	2.37	3.17	62.3
XTE_030/360-12	12	SM21	80	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	3.1	4.1	9.1	0.39	0.83	1.11	61.0
XTE_030/360-24	24	SM21	40	0.53	0.71	2.8	4.8	8.5	0.43	0.83	1.12	63.4
XTE_030/360-48	48	SM30	20	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1
XTE_030/360-72	72	SM23	40	1.47	1.98	5.1	8.5	25.5	0.67	2.37	3.17	62.3
XTE_030/360-144	144	SM31	20	3.37	4.52	8.5	17.9	54.6	0.68	4.00	5.37	84.2
XTE_040/720-12	12	SM30	80	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1
XTE_040/720-18	18	SM44	40	0.84	1.13	4.3	7.4	13.0	0.39	1.16	1.55	72.4
XTE_040/720-24	24	SM30	40	1.13	1.51	6.0	10.3	19.6	0.43	1.79	2.40	63.1
XTE_040/720-36	36	SM40	40	1.69	2.26	6.0	12.2	30.6	0.67	2.79	3.73	60.6
XTE_040/720-48	48	SM41	20	1.95	2.61	7.3	15.2	27.0	0.49	2.48	3.32	78.5
XTE_040/720-72	72	SM31	40	3.37	4.52	8.5	17.9	54.6	0.68	4.00	5.37	84.2
XTE_040/720-144	144	SM42	20	5.83	7.81	15.3	31.7	85.0	0.73	7.74	10.37	75.3
XTE_050/1440-12	12	SM41	80	1.95	2.61	7.3	15.2	27.0	0.49	2.48	3.32	78.5
XTE_050/1440-18	18	SM40	80	1.69	2.26	6.0	12.2	30.6	0.67	2.79	3.73	60.6
XTE_050/1440-24	24	SM41	40	1.95	2.61	7.3	15.2	27.0	0.49	2.48	3.32	78.5
XTE_050/1440-36	36	SM43	40	2.89	3.87	8.9	17.9	44.5	0.56	3.45	4.63	83.6
XTE_050/1440-48	48	SM50	20	3.88	5.20	10.9	20.3	68.5	0.61	4.61	6.17	84.3
XTE_050/1440-72	72	SM42	40	5.83	7.81	15.3	31.7	85.0	0.73	7.74	10.37	75.3
XTE_050/1440-144	144	SM51	20	11.66	15.62	26.9	60.1	195.5	0.71	13.23	17.73	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.06	0.4	0.5	0.9	0.42	0.12	0.16	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.72	0.89	1.38	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.20	1.3	2.4	3.1	0.47	0.44	0.59	33.8
XTE_010/30-72	72	SM05	20	0.22	0.30	1.2	2.6	4.9	0.56	0.48	0.65	46.3
XTE_010/30-144	144	SM06	20	0.42	0.56	1.6	2.5	6.7	0.71	0.82	1.09	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	1.4	1.7	2.7	0.43	0.43	0.58	17.3
XTE_010/90-18	18	SM11	40	0.11	0.15	1.4	1.6	3.1	0.43	0.43	0.58	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	1.8	2.1	3.1	0.46	0.60	0.80	20.3
XTE_010/90-36	36	SM13	20	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.9
XTE_010/90-48	48	SM14	20	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.0
XTE_010/90-72	72	SM15	20	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.5
XTE_010/90-144	144	SM16	20	0.73	0.98	2.7	4.7	14.1	0.67	1.30	1.74	56.5
XTE_020/180-18	18	SM13	40	0.18	0.25	1.9	2.6	3.9	0.41	0.56	0.75	32.9
XTE_020/180-24	24	SM14	40	0.28	0.38	1.6	2.1	5.7	0.46	0.53	0.71	53.0
XTE_020/180-36	36	SM15	40	0.37	0.49	2.0	3.0	8.3	0.55	0.79	1.06	46.5
XTE_020/180-48	48	SM21	20	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_020/180-72	72	SM22	20	0.79	1.06	3.0	6.1	13.1	0.61	1.32	1.76	60.2
XTE_020/180-144	144	SM23	20	1.47	1.97	4.9	8.3	26.5	0.67	2.36	3.16	62.3
XTE_030/360-12	12	SM21	80	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	3.0	4.0	9.4	0.39	0.83	1.11	61.0
XTE_030/360-24	24	SM21	40	0.53	0.71	2.7	4.7	8.8	0.43	0.83	1.12	63.4
XTE_030/360-48	48	SM30	20	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1
XTE_030/360-72	72	SM23	40	1.47	1.97	4.9	8.3	26.5	0.67	2.36	3.16	62.3
XTE_030/360-144	144	SM31	20	3.37	4.52	8.2	17.6	56.7	0.68	4.01	5.37	84.2
XTE_040/720-12	12	SM30	80	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1
XTE_040/720-18	18	SM44	40	0.84	1.12	4.1	7.3	13.5	0.39	1.15	1.54	73.0
XTE_040/720-24	24	SM30	40	1.13	1.52	5.8	10.1	20.3	0.43	1.79	2.40	63.1
XTE_040/720-36	36	SM40	40	1.69	2.27	5.8	12.0	31.8	0.67	2.79	3.74	60.6
XTE_040/720-48	48	SM41	20	1.93	2.58	7.0	14.9	28.0	0.49	2.47	3.30	78.2
XTE_040/720-72	72	SM31	40	3.37	4.52	8.2	17.6	56.7	0.68	4.01	5.37	84.2
XTE_040/720-144	144	SM42	20	5.84	7.83	14.8	31.1	88.2	0.73	7.77	10.41	75.2
XTE_050/1440-12	12	SM41	80	1.93	2.58	7.0	14.9	28.0	0.49	2.47	3.30	78.2
XTE_050/1440-18	18	SM40	80	1.69	2.27	5.8	12.0	31.8	0.67	2.79	3.74	60.6
XTE_050/1440-24	24	SM41	40	1.93	2.58	7.0	14.9	28.0	0.49	2.47	3.30	78.2
XTE_050/1440-36	36	SM43	40	2.89	3.88	8.6	17.6	46.2	0.56	3.46	4.64	83.6
XTE_050/1440-48	48	SM50	20	3.88	5.20	10.5	19.9	71.1	0.61	4.60	6.17	84.3
XTE_050/1440-72	72	SM42	40	5.84	7.83	14.8	31.1	88.2	0.73	7.77	10.41	75.2
XTE_050/1440-144	144	SM51	20	11.65	15.60	25.9	59.0	202.8	0.71	13.22	17.71	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.07	0.4	0.5	0.8	0.42	0.13	0.17	38.3
XTE_010/30-24	24	SM10	20	0.07	0.10	1.3	1.6	2.4	0.43	0.43	0.57	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.68	0.82	1.27	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.19	1.2	2.2	2.7	0.47	0.43	0.58	33.8
XTE_010/30-72	72	SM05	20	0.22	0.29	1.1	2.4	4.3	0.56	0.47	0.63	46.3
XTE_010/30-144	144	SM06	20	0.44	0.60	1.6	2.3	5.9	0.71	0.87	1.16	51.3
XTE_010/90-12	12	SM10	40	0.07	0.10	1.3	1.6	2.4	0.43	0.43	0.57	17.3
XTE_010/90-18	18	SM11	40	0.11	0.15	1.3	1.5	2.7	0.43	0.43	0.57	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	1.7	1.9	2.7	0.46	0.60	0.80	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	1.8	2.4	3.5	0.41	0.56	0.75	32.9
XTE_010/90-48	48	SM14	20	0.30	0.40	1.6	1.9	5.0	0.46	0.56	0.75	53.0
XTE_010/90-72	72	SM15	20	0.37	0.49	1.9	2.7	7.3	0.55	0.80	1.07	45.9
XTE_010/90-144	144	SM16	20	0.75	1.01	2.6	4.4	12.4	0.67	1.33	1.78	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	1.8	2.4	3.5	0.41	0.56	0.75	32.9
XTE_020/180-24	24	SM14	40	0.30	0.40	1.6	1.9	5.0	0.46	0.56	0.75	53.0
XTE_020/180-36	36	SM15	40	0.37	0.49	1.9	2.7	7.3	0.55	0.80	1.07	45.9
XTE_020/180-48	48	SM21	20	0.54	0.72	2.6	4.4	7.7	0.43	0.85	1.14	63.4
XTE_020/180-72	72	SM22	20	0.78	1.05	2.8	5.6	11.5	0.61	1.30	1.74	60.2
XTE_020/180-144	144	SM23	20	1.46	1.96	4.6	7.7	23.2	0.67	2.35	3.15	62.3
XTE_030/360-12	12	SM21	80	0.54	0.72	2.6	4.4	7.7	0.43	0.85	1.14	63.4
XTE_030/360-18	18	SM32	40	0.50	0.67	2.8	3.7	8.3	0.39	0.83	1.12	60.2
XTE_030/360-24	24	SM21	40	0.54	0.72	2.6	4.4	7.7	0.43	0.85	1.14	63.4
XTE_030/360-48	48	SM30	20	1.14	1.52	5.5	9.4	17.8	0.43	1.80	2.42	63.1
XTE_030/360-72	72	SM23	40	1.46	1.96	4.6	7.7	23.2	0.67	2.35	3.15	62.3
XTE_030/360-144	144	SM31	20	3.36	4.50	7.7	16.3	49.6	0.68	3.99	5.35	84.2
XTE_040/720-12	12	SM30	80	1.14	1.52	5.5	9.4	17.8	0.43	1.80	2.42	63.1
XTE_040/720-18	18	SM44	40	0.84	1.12	3.9	6.7	11.8	0.39	1.16	1.55	72.4
XTE_040/720-24	24	SM30	40	1.14	1.52	5.5	9.4	17.8	0.43	1.80	2.42	63.1
XTE_040/720-36	36	SM40	40	1.70	2.28	5.5	11.1	27.8	0.67	2.81	3.76	60.6
XTE_040/720-48	48	SM41	20	1.93	2.58	6.6	13.8	24.6	0.49	2.46	3.30	78.2
XTE_040/720-72	72	SM31	40	3.36	4.50	7.7	16.3	49.6	0.68	3.99	5.35	84.2
XTE_040/720-144	144	SM42	20	5.82	7.80	13.9	28.8	77.3	0.73	7.73	10.36	75.3
XTE_050/1440-12	12	SM41	80	1.93	2.58	6.6	13.8	24.6	0.49	2.46	3.30	78.2
XTE_050/1440-18	18	SM40	80	1.70	2.28	5.5	11.1	27.8	0.67	2.81	3.76	60.6
XTE_050/1440-24	24	SM41	40	1.93	2.58	6.6	13.8	24.6	0.49	2.46	3.30	78.2
XTE_050/1440-36	36	SM43	40	2.89	3.87	8.1	16.3	40.5	0.56	3.46	4.63	83.6
XTE_050/1440-48	48	SM50	20	3.88	5.20	9.9	18.5	62.3	0.61	4.60	6.17	84.3
XTE_050/1440-72	72	SM42	40	5.82	7.80	13.9	28.8	77.3	0.73	7.73	10.36	75.3
XTE_050/1440-144	144	SM51	20	11.68	15.65	24.5	54.6	177.7	0.71	13.26	17.76	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.06	0.07	0.4	0.4	0.7	0.42	0.15	0.19	38.3
XTE_010/30-24	24	SM10	20	0.07	0.09	1.1	1.4	2.1	0.43	0.41	0.55	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.06	0.72	1.12	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.14	0.18	1.0	1.9	2.4	0.47	0.41	0.55	33.8
XTE_010/30-72	72	SM05	20	0.22	0.30	1.0	2.1	3.8	0.56	0.48	0.65	46.3
XTE_010/30-144	144	SM06	20	0.44	0.59	1.4	2.0	5.2	0.71	0.86	1.15	51.3
XTE_010/90-12	12	SM10	40	0.07	0.09	1.1	1.4	2.1	0.43	0.41	0.55	17.3
XTE_010/90-18	18	SM11	40	0.11	0.14	1.1	1.3	2.4	0.43	0.41	0.55	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	1.5	1.7	2.4	0.46	0.60	0.80	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	1.6	2.1	3.0	0.41	0.57	0.76	32.9
XTE_010/90-48	48	SM14	20	0.30	0.40	1.4	1.7	4.4	0.46	0.56	0.75	53.0
XTE_010/90-72	72	SM15	20	0.37	0.50	1.7	2.4	6.4	0.55	0.81	1.09	45.9
XTE_010/90-144	144	SM16	20	0.72	0.97	2.2	3.8	10.9	0.67	1.28	1.71	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	1.6	2.1	3.0	0.41	0.57	0.76	32.9
XTE_020/180-24	24	SM14	40	0.30	0.40	1.4	1.7	4.4	0.46	0.56	0.75	53.0
XTE_020/180-36	36	SM15	40	0.37	0.50	1.7	2.4	6.4	0.55	0.81	1.09	45.9
XTE_020/180-48	48	SM21	20	0.52	0.70	2.2	3.8	6.8	0.43	0.82	1.10	63.4
XTE_020/180-72	72	SM22	20	0.80	1.07	2.5	5.0	10.1	0.61	1.32	1.77	60.2
XTE_020/180-144	144	SM23	20	1.48	1.99	4.1	6.8	20.4	0.67	2.38	3.19	62.3
XTE_030/360-12	12	SM21	80	0.52	0.70	2.2	3.8	6.8	0.43	0.82	1.10	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	2.5	3.3	7.3	0.39	0.83	1.12	61.0
XTE_030/360-24	24	SM21	40	0.52	0.70	2.2	3.8	6.8	0.43	0.82	1.10	63.4
XTE_030/360-48	48	SM30	20	1.13	1.51	4.8	8.2	15.7	0.43	1.79	2.40	63.1
XTE_030/360-72	72	SM23	40	1.48	1.99	4.1	6.8	20.4	0.67	2.38	3.19	62.3
XTE_030/360-144	144	SM31	20	3.37	4.52	6.8	14.3	43.7	0.68	4.00	5.37	84.2
XTE_040/720-12	12	SM30	80	1.13	1.51	4.8	8.2	15.7	0.43	1.79	2.40	63.1
XTE_040/720-18	18	SM44	40	0.83	1.11	3.4	5.9	10.4	0.39	1.15	1.54	72.4
XTE_040/720-24	24	SM30	40	1.13	1.51	4.8	8.2	15.7	0.43	1.79	2.40	63.1
XTE_040/720-36	36	SM40	40	1.69	2.26	4.8	9.8	24.5	0.67	2.79	3.73	60.6
XTE_040/720-48	48	SM41	20	1.93	2.59	5.8	12.2	21.6	0.49	2.46	3.30	78.5
XTE_040/720-72	72	SM31	40	3.37	4.52	6.8	14.3	43.7	0.68	4.00	5.37	84.2
XTE_040/720-144	144	SM42	20	5.81	7.78	12.2	25.4	68.0	0.73	7.71	10.34	75.3
XTE_050/1440-12	12	SM41	80	1.93	2.59	5.8	12.2	21.6	0.49	2.46	3.30	78.5
XTE_050/1440-18	18	SM40	80	1.69	2.26	4.8	9.8	24.5	0.67	2.79	3.73	60.6
XTE_050/1440-24	24	SM41	40	1.93	2.59	5.8	12.2	21.6	0.49	2.46	3.30	78.5
XTE_050/1440-36	36	SM43	40	2.88	3.86	7.1	14.3	35.6	0.56	3.44	4.61	83.6
XTE_050/1440-48	48	SM50	20	3.87	5.19	8.7	16.2	54.8	0.61	4.60	6.16	84.3
XTE_050/1440-72	72	SM42	40	5.81	7.78	12.2	25.4	68.0	0.73	7.71	10.34	75.3
XTE_050/1440-144	144	SM51	20	11.65	15.61	21.5	48.1	156.4	0.71	13.22	17.71	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.07	0.3	0.3	0.5	0.42	0.14	0.19	35.4
XTE_010/30-24	24	SM10	20	0.08	0.10	0.9	1.0	1.6	0.43	0.44	0.59	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.46	0.54	0.85	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.19	0.8	1.5	1.8	0.47	0.43	0.58	33.8
XTE_010/30-72	72	SM05	20	0.21	0.28	0.7	1.6	2.9	0.56	0.45	0.60	46.3
XTE_010/30-144	144	SM06	20	0.42	0.56	1.0	1.5	3.9	0.71	0.81	1.09	51.3
XTE_010/90-12	12	SM10	40	0.08	0.10	0.9	1.0	1.6	0.43	0.44	0.59	17.3
XTE_010/90-18	18	SM11	40	0.11	0.15	0.9	1.0	1.8	0.43	0.44	0.59	25.9
XTE_010/90-24	24	SM12	20	0.13	0.17	1.2	1.3	1.8	0.46	0.63	0.85	20.3
XTE_010/90-36	36	SM13	20	0.19	0.25	1.2	1.6	2.3	0.41	0.56	0.75	32.9
XTE_010/90-48	48	SM14	20	0.28	0.37	1.0	1.3	3.3	0.46	0.53	0.70	53.0
XTE_010/90-72	72	SM15	20	0.38	0.51	1.3	1.8	4.9	0.55	0.82	1.10	46.5
XTE_010/90-144	144	SM16	20	0.74	0.99	1.7	2.9	8.2	0.67	1.30	1.74	56.5
XTE_020/180-18	18	SM13	40	0.19	0.25	1.2	1.6	2.3	0.41	0.56	0.75	32.9
XTE_020/180-24	24	SM14	40	0.28	0.37	1.0	1.3	3.3	0.46	0.53	0.70	53.0
XTE_020/180-36	36	SM15	40	0.38	0.51	1.3	1.8	4.9	0.55	0.82	1.10	46.5
XTE_020/180-48	48	SM21	20	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.4
XTE_020/180-72	72	SM22	20	0.80	1.07	1.9	3.8	7.6	0.61	1.32	1.78	60.2
XTE_020/180-144	144	SM23	20	1.48	1.98	3.1	5.2	15.5	0.67	2.37	3.18	62.3
XTE_030/360-12	12	SM21	80	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	1.9	2.5	5.5	0.39	0.84	1.12	61.0
XTE_030/360-24	24	SM21	40	0.53	0.71	1.7	2.9	5.2	0.43	0.84	1.12	63.4
XTE_030/360-48	48	SM30	20	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.1
XTE_030/360-72	72	SM23	40	1.48	1.98	3.1	5.2	15.5	0.67	2.37	3.18	62.3
XTE_030/360-144	144	SM31	20	3.40	4.56	5.2	10.9	33.1	0.68	4.04	5.42	84.2
XTE_040/720-12	12	SM30	80	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.1
XTE_040/720-18	18	SM44	40	0.84	1.12	2.6	4.5	7.9	0.39	1.16	1.55	72.4
XTE_040/720-24	24	SM30	40	1.12	1.50	3.6	6.2	11.9	0.43	1.77	2.37	63.1
XTE_040/720-36	36	SM40	40	1.67	2.24	3.6	7.4	18.6	0.67	2.76	3.69	60.6
XTE_040/720-48	48	SM41	20	1.93	2.59	4.4	9.2	16.4	0.49	2.46	3.30	78.5
XTE_040/720-72	72	SM31	40	3.40	4.56	5.2	10.9	33.1	0.68	4.04	5.42	84.2
XTE_040/720-144	144	SM42	20	5.84	7.83	9.3	19.2	51.5	0.73	7.76	10.40	75.3
XTE_050/1440-12	12	SM41	80	1.93	2.59	4.4	9.2	16.4	0.49	2.46	3.30	78.5
XTE_050/1440-18	18	SM40	80	1.67	2.24	3.6	7.4	18.6	0.67	2.76	3.69	60.6
XTE_050/1440-24	24	SM41	40	1.93	2.59	4.4	9.2	16.4	0.49	2.46	3.30	78.5
XTE_050/1440-36	36	SM43	40	2.89	3.87	5.4	10.9	27.0	0.56	3.46	4.63	83.6
XTE_050/1440-48	48	SM50	20	3.88	5.20	6.6	12.3	41.5	0.61	4.60	6.17	84.3
XTE_050/1440-72	72	SM42	40	5.84	7.83	9.3	19.2	51.5	0.73	7.76	10.40	75.3
XTE_050/1440-144	144	SM51	20	11.66	15.62	16.3	36.4	118.5	0.71	13.23	17.73	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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. For main supply voltage higher than 600 V AC 3-PH, the mains supply system must have an earthed neutral as per ANNEX "I" of IEC 61010-1.

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	23.1
XTE_010/30-18	18	SM01	40	0.05	0.07	0.3	0.3	0.5	0.42	0.15	0.20	35.4
XTE_010/30-24	24	SM10	20	0.07	0.10	0.8	1.0	1.5	0.43	0.41	0.55	17.3
XTE_010/30-36	36	SM03	20	0.07	0.10	0.43	0.52	0.81	0.46	0.24	0.32	31.0
XTE_010/30-48	48	SM04	20	0.15	0.20	0.8	1.4	1.7	0.47	0.45	0.60	33.8
XTE_010/30-72	72	SM05	20	0.22	0.29	0.7	1.5	2.7	0.56	0.47	0.63	46.3
XTE_010/30-144	144	SM06	20	0.43	0.58	1.0	1.5	3.8	0.71	0.85	1.14	50.7
XTE_010/90-12	12	SM10	40	0.07	0.10	0.8	1.0	1.5	0.43	0.41	0.55	17.3
XTE_010/90-18	18	SM11	40	0.11	0.14	0.8	0.9	1.7	0.43	0.41	0.55	25.9
XTE_010/90-24	24	SM12	20	0.12	0.16	1.1	1.2	1.7	0.46	0.60	0.81	20.3
XTE_010/90-36	36	SM13	20	0.19	0.26	1.2	1.5	2.2	0.41	0.59	0.79	32.9
XTE_010/90-48	48	SM14	20	0.29	0.39	1.0	1.2	3.2	0.46	0.55	0.74	53.0
XTE_010/90-72	72	SM15	20	0.36	0.49	1.2	1.7	4.6	0.55	0.79	1.06	45.9
XTE_010/90-144	144	SM16	20	0.73	0.98	1.6	2.8	7.9	0.67	1.28	1.72	57.0
XTE_020/180-18	18	SM13	40	0.19	0.26	1.2	1.5	2.2	0.41	0.59	0.79	32.9
XTE_020/180-24	24	SM14	40	0.29	0.39	1.0	1.2	3.2	0.46	0.55	0.74	53.0
XTE_020/180-36	36	SM15	40	0.36	0.49	1.2	1.7	4.6	0.55	0.79	1.06	45.9
XTE_020/180-48	48	SM21	20	0.52	0.70	1.6	2.8	4.9	0.43	0.82	1.10	63.4
XTE_020/180-72	72	SM22	20	0.79	1.06	1.8	3.6	7.3	0.61	1.31	1.76	60.2
XTE_020/180-144	144	SM23	20	1.49	2.00	3.0	4.9	14.8	0.67	2.40	3.22	62.0
XTE_030/360-12	12	SM21	80	0.52	0.70	1.6	2.8	4.9	0.43	0.82	1.10	63.4
XTE_030/360-18	18	SM32	40	0.51	0.68	1.8	2.4	5.3	0.39	0.83	1.11	61.0
XTE_030/360-24	24	SM21	40	0.52	0.70	1.6	2.8	4.9	0.43	0.82	1.10	63.4
XTE_030/360-48	48	SM30	20	1.13	1.52	3.5	6.0	11.4	0.43	1.80	2.41	63.1
XTE_030/360-72	72	SM23	40	1.49	2.00	3.0	4.9	14.8	0.67	2.40	3.22	62.0
XTE_030/360-144	144	SM31	20	3.35	4.49	4.9	10.4	31.7	0.68	3.98	5.34	84.2
XTE_040/720-12	12	SM30	80	1.13	1.52	3.5	6.0	11.4	0.43	1.80	2.41	63.1
XTE_040/720-18	18	SM44	40	0.85	1.14	2.5	4.3	7.5	0.39	1.16	1.56	73.0
XTE_040/720-24	24	SM30	40	1.13	1.52	3.5	6.0	11.4	0.43	1.80	2.41	63.1
XTE_040/720-36	36	SM40	40	1.70	2.28	3.5	7.1	17.7	0.67	2.80	3.76	60.6
XTE_040/720-48	48	SM41	20	1.93	2.59	4.2	8.8	15.7	0.49	2.46	3.30	78.5
XTE_040/720-72	72	SM31	40	3.35	4.49	4.9	10.4	31.7	0.68	3.98	5.34	84.2
XTE_040/720-144	144	SM42	20	5.85	7.83	8.9	18.4	49.3	0.73	7.76	10.40	75.3
XTE_050/1440-12	12	SM41	80	1.93	2.59	4.2	8.8	15.7	0.49	2.46	3.30	78.5
XTE_050/1440-18	18	SM40	80	1.70	2.28	3.5	7.1	17.7	0.67	2.80	3.76	60.6
XTE_050/1440-24	24	SM41	40	1.93	2.59	4.2	8.8	15.7	0.49	2.46	3.30	78.5
XTE_050/1440-36	36	SM43	40	2.91	3.90	5.2	10.4	25.8	0.56	3.48	4.66	83.6
XTE_050/1440-48	48	SM50	20	3.87	5.19	6.3	11.8	39.7	0.61	4.59	6.15	84.3
XTE_050/1440-72	72	SM42	40	5.85	7.83	8.9	18.4	49.3	0.73	7.76	10.40	75.3
XTE_050/1440-144	144	SM51	20	11.66	15.63	15.6	34.8	113.3	0.71	13.24	17.74	88.1

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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. For main supply voltage higher than 600 V AC 3-PH, the mains supply system must have an earthed neutral as per ANNEX "I" of IEC 61010-1.

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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.07	1.0	1.2	2.1	0.42	0.15	0.20	36.7
XTE_010/30-29	29	SM10	20	0.08	0.11	3.2	3.8	6.5	0.43	0.50	0.66	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	1.73	2.08	3.23	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	3.0	5.4	7.5	0.47	0.51	0.68	34.0
XTE_010/30-86	86	SM05	20	0.26	0.35	2.8	5.9	11.7	0.56	0.56	0.76	46.4
XTE_010/30-173	173	SM06	20	0.51	0.68	3.9	5.7	16.2	0.71	1.00	1.34	51.1
XTE_010/90-14	14	SM10	40	0.08	0.11	3.2	3.8	6.5	0.43	0.50	0.66	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	3.2	3.6	7.5	0.43	0.50	0.66	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	4.4	4.8	7.5	0.46	0.73	0.98	20.4
XTE_010/90-43	43	SM13	20	0.22	0.29	4.6	5.9	9.5	0.41	0.68	0.91	32.4
XTE_010/90-58	58	SM14	20	0.34	0.46	3.9	4.8	13.7	0.46	0.65	0.87	52.8
XTE_010/90-86	86	SM15	20	0.45	0.60	4.9	6.8	19.9	0.55	0.97	1.30	45.9
XTE_010/90-173	173	SM16	20	0.89	1.20	6.5	10.9	33.9	0.67	1.57	2.10	56.9
XTE_020/180-22	22	SM13	40	0.22	0.29	4.6	5.9	9.5	0.41	0.68	0.91	32.4
XTE_020/180-29	29	SM14	40	0.34	0.46	3.9	4.8	13.7	0.46	0.65	0.87	52.8
XTE_020/180-43	43	SM15	40	0.45	0.60	4.9	6.8	19.9	0.55	0.97	1.30	45.9
XTE_020/180-58	58	SM21	20	0.64	0.85	6.5	10.9	21.2	0.43	1.01	1.35	63.1
XTE_020/180-86	86	SM22	20	0.95	1.28	7.2	14.0	31.4	0.61	1.58	2.12	60.3
XTE_020/180-173	173	SM23	20	1.77	2.37	11.8	19.2	63.6	0.67	2.85	3.82	62.1
XTE_030/360-14	14	SM21	80	0.64	0.85	6.5	10.9	21.2	0.43	1.01	1.35	63.1
XTE_030/360-22	22	SM32	40	0.61	0.81	7.2	9.3	22.7	0.39	1.00	1.34	60.6
XTE_030/360-29	29	SM21	40	0.64	0.85	6.5	10.9	21.2	0.43	1.01	1.35	63.1
XTE_030/360-58	58	SM30	20	1.35	1.81	13.9	23.3	48.9	0.43	2.15	2.89	62.9
XTE_030/360-86	86	SM23	40	1.77	2.37	11.8	19.2	63.6	0.67	2.85	3.82	62.1
XTE_030/360-173	173	SM31	20	4.04	5.42	19.6	40.5	136.1	0.68	4.80	6.43	84.2
XTE_040/720-14	14	SM30	80	1.35	1.81	13.9	23.3	48.9	0.43	2.15	2.89	62.9
XTE_040/720-22	22	SM44	40	1.01	1.35	9.9	16.7	32.4	0.39	1.39	1.86	72.5
XTE_040/720-29	29	SM30	40	1.35	1.81	13.9	23.3	48.9	0.43	2.15	2.89	62.9
XTE_040/720-43	43	SM40	40	2.03	2.72	13.9	27.6	76.3	0.67	3.36	4.50	60.5
XTE_040/720-58	58	SM41	20	2.34	3.13	16.9	34.4	67.3	0.49	2.98	4.00	78.4
XTE_040/720-86	86	SM31	40	4.04	5.42	19.6	40.5	136.1	0.68	4.80	6.43	84.2
XTE_040/720-173	173	SM42	20	6.98	9.36	35.3	71.7	211.9	0.73	9.28	12.44	75.2
XTE_050/1440-14	14	SM41	80	2.34	3.13	16.9	34.4	67.3	0.49	2.98	4.00	78.4
XTE_050/1440-22	22	SM40	80	2.03	2.72	13.9	27.6	76.3	0.67	3.36	4.50	60.5
XTE_050/1440-29	29	SM41	40	2.34	3.13	16.9	34.4	67.3	0.49	2.98	4.00	78.4
XTE_050/1440-43	43	SM43	40	3.46	4.63	20.5	40.5	110.9	0.56	4.14	5.54	83.6
XTE_050/1440-58	58	SM50	20	4.67	6.26	25.2	45.9	170.7	0.61	5.54	7.42	84.3
XTE_050/1440-86	86	SM42	40	6.98	9.36	35.3	71.7	211.9	0.73	9.28	12.44	75.2
XTE_050/1440-173	173	SM51	20	14.04	18.82	62.1	135.9	487.3	0.71	15.88	21.29	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.08	1.0	1.2	2.0	0.42	0.16	0.21	36.7
XTE_010/30-29	29	SM10	20	0.09	0.12	3.1	3.6	6.1	0.43	0.51	0.68	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	1.64	1.96	3.05	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	2.8	5.1	7.1	0.47	0.50	0.67	34.0
XTE_010/30-86	86	SM05	20	0.26	0.34	2.6	5.6	11.1	0.56	0.55	0.74	46.4
XTE_010/30-173	173	SM06	20	0.51	0.69	3.7	5.4	15.3	0.71	1.00	1.34	51.1
XTE_010/90-14	14	SM10	40	0.09	0.12	3.1	3.6	6.1	0.43	0.51	0.68	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	3.1	3.4	7.1	0.43	0.51	0.68	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	4.2	4.5	7.1	0.46	0.74	0.99	20.4
XTE_010/90-43	43	SM13	20	0.22	0.30	4.4	5.6	9.0	0.41	0.69	0.92	32.4
XTE_010/90-58	58	SM14	20	0.34	0.46	3.7	4.5	13.0	0.46	0.65	0.87	52.8
XTE_010/90-86	86	SM15	20	0.44	0.59	4.6	6.4	18.9	0.55	0.96	1.29	45.9
XTE_010/90-173	173	SM16	20	0.88	1.18	6.1	10.3	32.1	0.67	1.56	2.09	56.5
XTE_020/180-22	22	SM13	40	0.22	0.30	4.4	5.6	9.0	0.41	0.69	0.92	32.4
XTE_020/180-29	29	SM14	40	0.34	0.46	3.7	4.5	13.0	0.46	0.65	0.87	52.8
XTE_020/180-43	43	SM15	40	0.44	0.59	4.6	6.4	18.9	0.55	0.96	1.29	45.9
XTE_020/180-58	58	SM21	20	0.63	0.85	6.1	10.3	20.0	0.43	1.00	1.34	63.1
XTE_020/180-86	86	SM22	20	0.95	1.28	6.8	13.3	29.7	0.61	1.58	2.12	60.3
XTE_020/180-173	173	SM23	20	1.76	2.36	11.1	18.2	60.1	0.67	2.83	3.80	62.1
XTE_030/360-14	14	SM21	80	0.63	0.85	6.1	10.3	20.0	0.43	1.00	1.34	63.1
XTE_030/360-22	22	SM32	40	0.61	0.81	6.8	8.8	21.4	0.39	1.00	1.34	60.6
XTE_030/360-29	29	SM21	40	0.63	0.85	6.1	10.3	20.0	0.43	1.00	1.34	63.1
XTE_030/360-58	58	SM30	20	1.35	1.81	13.1	22.0	46.2	0.43	2.15	2.88	62.9
XTE_030/360-86	86	SM23	40	1.76	2.36	11.1	18.2	60.1	0.67	2.83	3.80	62.1
XTE_030/360-173	173	SM31	20	4.06	5.44	18.6	38.3	128.7	0.68	4.82	6.46	84.2
XTE_040/720-14	14	SM30	80	1.35	1.81	13.1	22.0	46.2	0.43	2.15	2.88	62.9
XTE_040/720-22	22	SM44	40	1.01	1.36	9.4	15.8	30.6	0.39	1.40	1.87	72.5
XTE_040/720-29	29	SM30	40	1.35	1.81	13.1	22.0	46.2	0.43	2.15	2.88	62.9
XTE_040/720-43	43	SM40	40	2.02	2.71	13.1	26.1	72.1	0.67	3.34	4.48	60.5
XTE_040/720-58	58	SM41	20	2.33	3.12	15.9	32.5	63.6	0.49	2.97	3.98	78.4
XTE_040/720-86	86	SM31	40	4.06	5.44	18.6	38.3	128.7	0.68	4.82	6.46	84.2
XTE_040/720-173	173	SM42	20	6.99	9.36	33.4	67.8	200.3	0.73	9.29	12.45	75.2
XTE_050/1440-14	14	SM41	80	2.33	3.12	15.9	32.5	63.6	0.49	2.97	3.98	78.4
XTE_050/1440-22	22	SM40	80	2.02	2.71	13.1	26.1	72.1	0.67	3.34	4.48	60.5
XTE_050/1440-29	29	SM41	40	2.33	3.12	15.9	32.5	63.6	0.49	2.97	3.98	78.4
XTE_050/1440-43	43	SM43	40	3.46	4.64	19.4	38.3	104.9	0.56	4.14	5.55	83.6
XTE_050/1440-58	58	SM50	20	4.66	6.25	23.8	43.4	161.4	0.61	5.53	7.41	84.3
XTE_050/1440-86	86	SM42	40	6.99	9.36	33.4	67.8	200.3	0.73	9.29	12.45	75.2
XTE_050/1440-173	173	SM51	20	14.04	18.81	58.7	128.5	460.7	0.71	15.88	21.28	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.08	0.8	0.9	1.6	0.42	0.16	0.22	36.7
XTE_010/30-29	29	SM10	20	0.09	0.11	2.4	2.9	4.8	0.43	0.50	0.67	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	1.29	1.54	2.4	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	2.2	4.0	5.6	0.47	0.50	0.67	34.0
XTE_010/30-86	86	SM05	20	0.26	0.35	2.1	4.4	8.7	0.56	0.57	0.76	46.4
XTE_010/30-173	173	SM06	20	0.51	0.68	2.9	4.2	12.0	0.71	1.00	1.34	51.1
XTE_010/90-14	14	SM10	40	0.09	0.11	2.4	2.9	4.8	0.43	0.50	0.67	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	2.4	2.7	5.6	0.43	0.50	0.67	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	3.3	3.5	5.6	0.46	0.74	0.99	20.4
XTE_010/90-43	43	SM13	20	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.4
XTE_010/90-58	58	SM14	20	0.35	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.6
XTE_010/90-86	86	SM15	20	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.9
XTE_010/90-173	173	SM16	20	0.88	1.18	4.8	8.1	25.2	0.67	1.56	2.09	56.5
XTE_020/180-22	22	SM13	40	0.22	0.29	3.4	4.4	7.0	0.41	0.68	0.91	32.4
XTE_020/180-29	29	SM14	40	0.35	0.46	2.9	3.5	10.2	0.46	0.65	0.87	53.6
XTE_020/180-43	43	SM15	40	0.44	0.59	3.6	5.0	14.8	0.55	0.96	1.29	45.9
XTE_020/180-58	58	SM21	20	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.1
XTE_020/180-86	86	SM22	20	0.95	1.27	5.3	10.4	23.3	0.61	1.57	2.10	60.3
XTE_020/180-173	173	SM23	20	1.76	2.35	8.7	14.3	47.2	0.67	2.83	3.79	62.1
XTE_030/360-14	14	SM21	80	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.1
XTE_030/360-22	22	SM32	40	0.60	0.80	5.3	6.9	16.9	0.39	0.99	1.33	60.6
XTE_030/360-29	29	SM21	40	0.63	0.85	4.8	8.1	15.7	0.43	1.00	1.34	63.1
XTE_030/360-58	58	SM30	20	1.35	1.81	10.3	17.3	36.3	0.43	2.15	2.88	62.9
XTE_030/360-86	86	SM23	40	1.76	2.35	8.7	14.3	47.2	0.67	2.83	3.79	62.1
XTE_030/360-173	173	SM31	20	4.05	5.43	14.6	30.1	101.1	0.68	4.81	6.45	84.2
XTE_040/720-14	14	SM30	80	1.35	1.81	10.3	17.3	36.3	0.43	2.15	2.88	62.9
XTE_040/720-22	22	SM44	40	1.01	1.36	7.4	12.4	24.1	0.39	1.40	1.87	72.5
XTE_040/720-29	29	SM30	40	1.35	1.81	10.3	17.3	36.3	0.43	2.15	2.88	62.9
XTE_040/720-43	43	SM40	40	2.02	2.71	10.3	20.5	56.7	0.67	3.35	4.48	60.5
XTE_040/720-58	58	SM41	20	2.33	3.12	12.5	25.5	50.0	0.49	2.97	3.98	78.4
XTE_040/720-86	86	SM31	40	4.05	5.43	14.6	30.1	101.1	0.68	4.81	6.45	84.2
XTE_040/720-173	173	SM42	20	6.98	9.35	26.2	53.3	157.4	0.73	9.28	12.43	75.2
XTE_050/1440-14	14	SM41	80	2.33	3.12	12.5	25.5	50.0	0.49	2.97	3.98	78.4
XTE_050/1440-22	22	SM40	80	2.02	2.71	10.3	20.5	56.7	0.67	3.35	4.48	60.5
XTE_050/1440-29	29	SM41	40	2.33	3.12	12.5	25.5	50.0	0.49	2.97	3.98	78.4
XTE_050/1440-43	43	SM43	40	3.47	4.65	15.3	30.1	82.4	0.56	4.16	5.57	83.6
XTE_050/1440-58	58	SM50	20	4.66	6.25	18.7	34.1	126.8	0.61	5.53	7.41	84.3
XTE_050/1440-86	86	SM42	40	6.98	9.35	26.2	53.3	157.4	0.73	9.28	12.43	75.2
XTE_050/1440-173	173	SM51	20	14.03	18.80	46.1	101.0	362.0	0.71	15.87	21.27	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.08	0.6	0.7	1.2	0.42	0.17	0.22	36.7
XTE_010/30-29	29	SM10	20	0.09	0.12	1.8	2.1	3.6	0.43	0.51	0.68	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	0.95	1.14	1.77	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	1.6	3.0	4.1	0.47	0.49	0.66	34.0
XTE_010/30-86	86	SM05	20	0.25	0.34	1.5	3.2	6.4	0.56	0.55	0.74	45.5
XTE_010/30-173	173	SM06	20	0.53	0.70	2.2	3.1	8.9	0.71	1.03	1.38	51.1
XTE_010/90-14	14	SM10	40	0.09	0.12	1.8	2.1	3.6	0.43	0.51	0.68	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	1.8	2.0	4.1	0.43	0.51	0.68	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	2.4	2.6	4.1	0.46	0.73	0.97	20.4
XTE_010/90-43	43	SM13	20	0.22	0.29	2.5	3.2	5.2	0.41	0.67	0.90	32.4
XTE_010/90-58	58	SM14	20	0.35	0.47	2.2	2.6	7.5	0.46	0.67	0.89	52.8
XTE_010/90-86	86	SM15	20	0.45	0.61	2.7	3.7	10.9	0.55	0.98	1.31	46.4
XTE_010/90-173	173	SM16	20	0.87	1.17	3.5	5.9	18.6	0.67	1.54	2.07	56.5
XTE_020/180-22	22	SM13	40	0.22	0.29	2.5	3.2	5.2	0.41	0.67	0.90	32.4
XTE_020/180-29	29	SM14	40	0.35	0.47	2.2	2.6	7.5	0.46	0.67	0.89	52.8
XTE_020/180-43	43	SM15	40	0.45	0.61	2.7	3.7	10.9	0.55	0.98	1.31	46.4
XTE_020/180-58	58	SM21	20	0.63	0.84	3.5	5.9	11.6	0.43	0.99	1.33	63.1
XTE_020/180-86	86	SM22	20	0.94	1.27	3.9	7.7	17.2	0.61	1.57	2.10	60.3
XTE_020/180-173	173	SM23	20	1.75	2.35	6.4	10.5	34.8	0.67	2.82	3.78	62.1
XTE_030/360-14	14	SM21	80	0.63	0.84	3.5	5.9	11.6	0.43	0.99	1.33	63.1
XTE_030/360-22	22	SM32	40	0.60	0.80	3.9	5.1	12.4	0.39	0.99	1.33	60.6
XTE_030/360-29	29	SM21	40	0.63	0.84	3.5	5.9	11.6	0.43	0.99	1.33	63.1
XTE_030/360-58	58	SM30	20	1.35	1.81	7.6	12.8	26.7	0.43	2.15	2.88	62.9
XTE_030/360-86	86	SM23	40	1.75	2.35	6.4	10.5	34.8	0.67	2.82	3.78	62.1
XTE_030/360-173	173	SM31	20	4.03	5.40	10.7	22.2	74.5	0.68	4.79	6.42	84.2
XTE_040/720-14	14	SM30	80	1.35	1.81	7.6	12.8	26.7	0.43	2.15	2.88	62.9
XTE_040/720-22	22	SM44	40	1.00	1.34	5.4	9.2	17.7	0.39	1.38	1.86	72.5
XTE_040/720-29	29	SM30	40	1.35	1.81	7.6	12.8	26.7	0.43	2.15	2.88	62.9
XTE_040/720-43	43	SM40	40	2.03	2.72	7.6	15.1	41.7	0.67	3.35	4.49	60.5
XTE_040/720-58	58	SM41	20	2.33	3.12	9.2	18.8	36.8	0.49	2.97	3.98	78.4
XTE_040/720-86	86	SM31	40	4.03	5.40	10.7	22.2	74.5	0.68	4.79	6.42	84.2
XTE_040/720-173	173	SM42	20	6.97	9.34	19.3	39.2	116.0	0.73	9.27	12.43	75.2
XTE_050/1440-14	14	SM41	80	2.33	3.12	9.2	18.8	36.8	0.49	2.97	3.98	78.4
XTE_050/1440-22	22	SM40	80	2.03	2.72	7.6	15.1	41.7	0.67	3.35	4.49	60.5
XTE_050/1440-29	29	SM41	40	2.33	3.12	9.2	18.8	36.8	0.49	2.97	3.98	78.4
XTE_050/1440-43	43	SM43	40	3.45	4.62	11.2	22.2	60.7	0.56	4.13	5.53	83.6
XTE_050/1440-58	58	SM50	20	4.67	6.26	13.8	25.1	93.5	0.61	5.54	7.42	84.3
XTE_050/1440-86	86	SM42	40	6.97	9.34	19.3	39.2	116.0	0.73	9.27	12.43	75.2
XTE_050/1440-173	173	SM51	20	14.05	18.82	34.0	74.4	266.7	0.71	15.89	21.29	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	24.0
XTE_010/30-22	22	SM01	40	0.05	0.07	0.5	0.7	1.1	0.42	0.15	0.19	36.7
XTE_010/30-29	29	SM10	20	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	0.9	1.08	1.68	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.18	0.24	1.6	2.8	3.9	0.47	0.52	0.70	34.0
XTE_010/30-86	86	SM05	20	0.25	0.34	1.4	3.1	6.1	0.56	0.54	0.73	46.4
XTE_010/30-173	173	SM06	20	0.50	0.67	2.0	2.9	8.4	0.71	0.98	1.32	51.1
XTE_010/90-14	14	SM10	40	0.09	0.12	1.7	2.0	3.4	0.43	0.51	0.68	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	1.7	1.9	3.9	0.43	0.51	0.68	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	2.3	2.5	3.9	0.46	0.73	0.98	20.4
XTE_010/90-43	43	SM13	20	0.22	0.30	2.4	3.1	4.9	0.41	0.68	0.91	32.4
XTE_010/90-58	58	SM14	20	0.34	0.45	2.0	2.5	7.1	0.46	0.64	0.85	52.8
XTE_010/90-86	86	SM15	20	0.44	0.59	2.5	3.5	10.4	0.55	0.95	1.28	45.9
XTE_010/90-173	173	SM16	20	0.89	1.19	3.4	5.6	17.6	0.67	1.58	2.11	56.5
XTE_020/180-22	22	SM13	40	0.22	0.30	2.4	3.1	4.9	0.41	0.68	0.91	32.4
XTE_020/180-29	29	SM14	40	0.34	0.45	2.0	2.5	7.1	0.46	0.64	0.85	52.8
XTE_020/180-43	43	SM15	40	0.44	0.59	2.5	3.5	10.4	0.55	0.95	1.28	45.9
XTE_020/180-58	58	SM21	20	0.64	0.86	3.4	5.6	11.0	0.43	1.01	1.36	63.1
XTE_020/180-86	86	SM22	20	0.94	1.26	3.7	7.3	16.3	0.61	1.56	2.10	60.3
XTE_020/180-173	173	SM23	20	1.76	2.36	6.1	10.0	33.1	0.67	2.83	3.79	62.1
XTE_030/360-14	14	SM21	80	0.64	0.86	3.4	5.6	11.0	0.43	1.01	1.36	63.1
XTE_030/360-22	22	SM32	40	0.60	0.80	3.7	4.8	11.8	0.39	0.99	1.32	60.6
XTE_030/360-29	29	SM21	40	0.64	0.86	3.4	5.6	11.0	0.43	1.01	1.36	63.1
XTE_030/360-58	58	SM30	20	1.35	1.81	7.2	12.1	25.4	0.43	2.14	2.87	62.9
XTE_030/360-86	86	SM23	40	1.76	2.36	6.1	10.0	33.1	0.67	2.83	3.79	62.1
XTE_030/360-173	173	SM31	20	4.05	5.42	10.2	21.1	70.8	0.68	4.81	6.44	84.2
XTE_040/720-14	14	SM30	80	1.35	1.81	7.2	12.1	25.4	0.43	2.14	2.87	62.9
XTE_040/720-22	22	SM44	40	1.02	1.36	5.2	8.7	16.9	0.39	1.40	1.88	72.5
XTE_040/720-29	29	SM30	40	1.35	1.81	7.2	12.1	25.4	0.43	2.14	2.87	62.9
XTE_040/720-43	43	SM40	40	2.02	2.71	7.2	14.4	39.7	0.67	3.34	4.48	60.5
XTE_040/720-58	58	SM41	20	2.34	3.14	8.8	17.9	35.0	0.49	2.99	4.00	78.4
XTE_040/720-86	86	SM31	40	4.05	5.42	10.2	21.1	70.8	0.68	4.81	6.44	84.2
XTE_040/720-173	173	SM42	20	7.00	9.38	18.4	37.3	110.2	0.73	9.31	12.47	75.2
XTE_050/1440-14	14	SM41	80	2.34	3.14	8.8	17.9	35.0	0.49	2.99	4.00	78.4
XTE_050/1440-22	22	SM40	80	2.02	2.71	7.2	14.4	39.7	0.67	3.34	4.48	60.5
XTE_050/1440-29	29	SM41	40	2.34	3.14	8.8	17.9	35.0	0.49	2.99	4.00	78.4
XTE_050/1440-43	43	SM43	40	3.47	4.65	10.7	21.1	57.7	0.56	4.15	5.56	83.6
XTE_050/1440-58	58	SM50	20	4.67	6.25	13.1	23.9	88.8	0.61	5.54	7.42	84.3
XTE_050/1440-86	86	SM42	40	7.00	9.38	18.4	37.3	110.2	0.73	9.31	12.47	75.2
XTE_050/1440-173	173	SM51	20	14.05	18.82	32.3	70.7	253.4	0.71	15.89	21.29	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.08	0.5	0.6	0.8	0.42	0.16	0.21	36.7
XTE_010/30-29	29	SM10	20	0.08	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	0.82	0.94	1.47	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	1.4	2.5	3.0	0.47	0.50	0.67	34.0
XTE_010/30-86	86	SM05	20	0.26	0.34	1.3	2.7	4.7	0.56	0.55	0.74	46.4
XTE_010/30-173	173	SM06	20	0.53	0.70	1.9	2.6	6.4	0.71	1.03	1.38	51.1
XTE_010/90-14	14	SM10	40	0.08	0.11	1.5	1.7	2.6	0.43	0.49	0.66	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	1.5	1.6	3.0	0.43	0.49	0.66	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	2.1	2.2	3.0	0.46	0.74	0.99	20.4
XTE_010/90-43	43	SM13	20	0.22	0.30	2.2	2.7	3.8	0.41	0.69	0.92	32.4
XTE_010/90-58	58	SM14	20	0.36	0.48	1.9	2.2	5.5	0.46	0.67	0.89	53.6
XTE_010/90-86	86	SM15	20	0.44	0.59	2.3	3.1	7.9	0.55	0.96	1.29	45.9
XTE_010/90-173	173	SM16	20	0.90	1.21	3.1	4.9	13.5	0.67	1.58	2.12	56.9
XTE_020/180-22	22	SM13	40	0.22	0.30	2.2	2.7	3.8	0.41	0.69	0.92	32.4
XTE_020/180-29	29	SM14	40	0.36	0.48	1.9	2.2	5.5	0.46	0.67	0.89	53.6
XTE_020/180-43	43	SM15	40	0.44	0.59	2.3	3.1	7.9	0.55	0.96	1.29	45.9
XTE_020/180-58	58	SM21	20	0.65	0.87	3.1	4.9	8.4	0.43	1.02	1.36	63.7
XTE_020/180-86	86	SM22	20	0.95	1.28	3.4	6.4	12.5	0.61	1.58	2.12	60.3
XTE_020/180-173	173	SM23	20	1.78	2.39	5.6	8.7	25.3	0.67	2.86	3.83	62.3
XTE_030/360-14	14	SM21	80	0.65	0.87	3.1	4.9	8.4	0.43	1.02	1.36	63.7
XTE_030/360-22	22	SM32	40	0.61	0.81	3.4	4.2	9.0	0.39	1.00	1.34	60.6
XTE_030/360-29	29	SM21	40	0.65	0.87	3.1	4.9	8.4	0.43	1.02	1.36	63.7
XTE_030/360-58	58	SM30	20	1.36	1.82	6.6	10.5	19.4	0.43	2.16	2.90	62.9
XTE_030/360-86	86	SM23	40	1.78	2.39	5.6	8.7	25.3	0.67	2.86	3.83	62.3
XTE_030/360-173	173	SM31	20	4.06	5.44	9.3	18.3	54.1	0.68	4.82	6.46	84.2
XTE_040/720-14	14	SM30	80	1.36	1.82	6.6	10.5	19.4	0.43	2.16	2.90	62.9
XTE_040/720-22	22	SM44	40	1.01	1.36	4.7	7.6	12.9	0.39	1.40	1.87	72.5
XTE_040/720-29	29	SM30	40	1.36	1.82	6.6	10.5	19.4	0.43	2.16	2.90	62.9
XTE_040/720-43	43	SM40	40	2.04	2.73	6.6	12.5	30.3	0.67	3.37	4.52	60.5
XTE_040/720-58	58	SM41	20	2.34	3.14	8.0	15.6	26.7	0.49	2.99	4.00	78.4
XTE_040/720-86	86	SM31	40	4.06	5.44	9.3	18.3	54.1	0.68	4.82	6.46	84.2
XTE_040/720-173	173	SM42	20	6.99	9.36	16.7	32.5	84.2	0.73	9.29	12.45	75.2
XTE_050/1440-14	14	SM41	80	2.34	3.14	8.0	15.6	26.7	0.49	2.99	4.00	78.4
XTE_050/1440-22	22	SM40	80	2.04	2.73	6.6	12.5	30.3	0.67	3.37	4.52	60.5
XTE_050/1440-29	29	SM41	40	2.34	3.14	8.0	15.6	26.7	0.49	2.99	4.00	78.4
XTE_050/1440-43	43	SM43	40	3.46	4.64	9.7	18.3	44.1	0.56	4.14	5.55	83.6
XTE_050/1440-58	58	SM50	20	4.66	6.25	11.9	20.8	67.8	0.61	5.53	7.41	84.3
XTE_050/1440-86	86	SM42	40	6.99	9.36	16.7	32.5	84.2	0.73	9.29	12.45	75.2
XTE_050/1440-173	173	SM51	20	14.06	18.84	29.4	61.5	193.6	0.71	15.91	21.32	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.08	0.5	0.6	0.9	0.42	0.17	0.22	36.7
XTE_010/30-29	29	SM10	20	0.09	0.12	1.5	1.7	2.7	0.43	0.51	0.69	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	0.78	0.92	1.46	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.18	0.24	1.4	2.4	3.1	0.47	0.52	0.70	34.0
XTE_010/30-86	86	SM05	20	0.27	0.36	1.3	2.6	4.9	0.56	0.58	0.78	46.4
XTE_010/30-173	173	SM06	20	0.52	0.70	1.8	2.5	6.7	0.71	1.02	1.36	51.1
XTE_010/90-14	14	SM10	40	0.09	0.12	1.5	1.7	2.7	0.43	0.51	0.69	17.0
XTE_010/90-22	22	SM11	40	0.13	0.18	1.5	1.6	3.1	0.43	0.51	0.69	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	2.0	2.1	3.1	0.46	0.73	0.98	20.4
XTE_010/90-43	43	SM13	20	0.22	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.4
XTE_010/90-58	58	SM14	20	0.35	0.47	1.8	2.1	5.7	0.46	0.66	0.88	53.6
XTE_010/90-86	86	SM15	20	0.44	0.59	2.2	3.0	8.3	0.55	0.96	1.29	45.9
XTE_010/90-173	173	SM16	20	0.88	1.18	2.9	4.8	14.1	0.67	1.55	2.07	56.9
XTE_020/180-22	22	SM13	40	0.22	0.30	2.1	2.6	3.9	0.41	0.69	0.92	32.4
XTE_020/180-29	29	SM14	40	0.35	0.47	1.8	2.1	5.7	0.46	0.66	0.88	53.6
XTE_020/180-43	43	SM15	40	0.44	0.59	2.2	3.0	8.3	0.55	0.96	1.29	45.9
XTE_020/180-58	58	SM21	20	0.63	0.84	2.9	4.8	8.8	0.43	0.99	1.33	63.1
XTE_020/180-86	86	SM22	20	0.94	1.26	3.2	6.2	13.0	0.61	1.56	2.08	60.3
XTE_020/180-173	173	SM23	20	1.76	2.35	5.3	8.5	26.4	0.67	2.83	3.79	62.1
XTE_030/360-14	14	SM21	80	0.63	0.84	2.9	4.8	8.8	0.43	0.99	1.33	63.1
XTE_030/360-22	22	SM32	40	0.60	0.80	3.2	4.1	9.4	0.39	0.98	1.32	60.6
XTE_030/360-29	29	SM21	40	0.63	0.84	2.9	4.8	8.8	0.43	0.99	1.33	63.1
XTE_030/360-58	58	SM30	20	1.36	1.82	6.3	10.3	20.3	0.43	2.16	2.89	62.9
XTE_030/360-86	86	SM23	40	1.76	2.35	5.3	8.5	26.4	0.67	2.83	3.79	62.1
XTE_030/360-173	173	SM31	20	4.06	5.44	8.9	17.9	56.5	0.68	4.82	6.46	84.2
XTE_040/720-14	14	SM30	80	1.36	1.82	6.3	10.3	20.3	0.43	2.16	2.89	62.9
XTE_040/720-22	22	SM44	40	1.01	1.36	4.5	7.4	13.5	0.39	1.40	1.87	72.5
XTE_040/720-29	29	SM30	40	1.36	1.82	6.3	10.3	20.3	0.43	2.16	2.89	62.9
XTE_040/720-43	43	SM40	40	2.03	2.73	6.3	12.2	31.7	0.67	3.36	4.51	60.5
XTE_040/720-58	58	SM41	20	2.33	3.12	7.6	15.2	28.0	0.49	2.97	3.98	78.4
XTE_040/720-86	86	SM31	40	4.06	5.44	8.9	17.9	56.5	0.68	4.82	6.46	84.2
XTE_040/720-173	173	SM42	20	7.00	9.38	16.0	31.7	88.0	0.73	9.31	12.47	75.2
XTE_050/1440-14	14	SM41	80	2.33	3.12	7.6	15.2	28.0	0.49	2.97	3.98	78.4
XTE_050/1440-22	22	SM40	80	2.03	2.73	6.3	12.2	31.7	0.67	3.36	4.51	60.5
XTE_050/1440-29	29	SM41	40	2.33	3.12	7.6	15.2	28.0	0.49	2.97	3.98	78.4
XTE_050/1440-43	43	SM43	40	3.47	4.65	9.3	17.9	46.1	0.56	4.15	5.56	83.6
XTE_050/1440-58	58	SM50	20	4.67	6.26	11.4	20.3	70.9	0.61	5.54	7.42	84.3
XTE_050/1440-86	86	SM42	40	7.00	9.38	16.0	31.7	88.0	0.73	9.31	12.47	75.2
XTE_050/1440-173	173	SM51	20	14.05	18.83	28.1	60.2	202.3	0.71	15.90	21.30	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.05	0.07	0.4	0.5	0.9	0.42	0.14	0.19	36.7
XTE_010/30-29	29	SM10	20	0.09	0.11	1.4	1.7	2.8	0.43	0.50	0.67	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	0.75	0.9	1.4	0.46	0.29	0.39	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	1.3	2.4	3.2	0.47	0.51	0.68	34.0
XTE_010/30-86	86	SM05	20	0.26	0.35	1.2	2.6	5.1	0.56	0.56	0.75	46.4
XTE_010/30-173	173	SM06	20	0.51	0.69	1.7	2.5	7.0	0.71	1.00	1.34	51.1
XTE_010/90-14	14	SM10	40	0.09	0.11	1.4	1.7	2.8	0.43	0.50	0.67	17.0
XTE_010/90-22	22	SM11	40	0.13	0.17	1.4	1.6	3.2	0.43	0.50	0.67	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	1.9	2.1	3.2	0.46	0.73	0.97	20.4
XTE_010/90-43	43	SM13	20	0.22	0.30	2.0	2.6	4.1	0.41	0.68	0.91	32.4
XTE_010/90-58	58	SM14	20	0.34	0.46	1.7	2.1	5.9	0.46	0.65	0.87	52.8
XTE_010/90-86	86	SM15	20	0.44	0.59	2.1	2.9	8.6	0.55	0.96	1.29	45.9
XTE_010/90-173	173	SM16	20	0.88	1.18	2.8	4.7	14.7	0.67	1.56	2.09	56.5
XTE_020/180-22	22	SM13	40	0.22	0.30	2.0	2.6	4.1	0.41	0.68	0.91	32.4
XTE_020/180-29	29	SM14	40	0.34	0.46	1.7	2.1	5.9	0.46	0.65	0.87	52.8
XTE_020/180-43	43	SM15	40	0.44	0.59	2.1	2.9	8.6	0.55	0.96	1.29	45.9
XTE_020/180-58	58	SM21	20	0.63	0.85	2.8	4.7	9.2	0.43	1.00	1.34	63.1
XTE_020/180-86	86	SM22	20	0.95	1.27	3.1	6.1	13.6	0.61	1.57	2.11	60.3
XTE_020/180-173	173	SM23	20	1.76	2.36	5.1	8.3	27.5	0.67	2.84	3.81	62.1
XTE_030/360-14	14	SM21	80	0.63	0.85	2.8	4.7	9.2	0.43	1.00	1.34	63.1
XTE_030/360-22	22	SM32	40	0.60	0.81	3.1	4.0	9.8	0.39	0.99	1.33	60.6
XTE_030/360-29	29	SM21	40	0.63	0.85	2.8	4.7	9.2	0.43	1.00	1.34	63.1
XTE_030/360-58	58	SM30	20	1.35	1.81	6.0	10.1	21.2	0.43	2.14	2.87	62.9
XTE_030/360-86	86	SM23	40	1.76	2.36	5.1	8.3	27.5	0.67	2.84	3.81	62.1
XTE_030/360-173	173	SM31	20	4.05	5.42	8.5	17.5	59.0	0.68	4.81	6.44	84.2
XTE_040/720-14	14	SM30	80	1.35	1.81	6.0	10.1	21.2	0.43	2.14	2.87	62.9
XTE_040/720-22	22	SM44	40	1.01	1.35	4.3	7.3	14.0	0.39	1.39	1.87	72.5
XTE_040/720-29	29	SM30	40	1.35	1.81	6.0	10.1	21.2	0.43	2.14	2.87	62.9
XTE_040/720-43	43	SM40	40	2.02	2.71	6.0	12.0	33.1	0.67	3.34	4.48	60.5
XTE_040/720-58	58	SM41	20	2.33	3.12	7.3	14.9	29.2	0.49	2.97	3.98	78.4
XTE_040/720-86	86	SM31	40	4.05	5.42	8.5	17.5	59.0	0.68	4.81	6.44	84.2
XTE_040/720-173	173	SM42	20	6.98	9.36	15.3	31.1	91.8	0.73	9.29	12.44	75.2
XTE_050/1440-14	14	SM41	80	2.33	3.12	7.3	14.9	29.2	0.49	2.97	3.98	78.4
XTE_050/1440-22	22	SM40	80	2.02	2.71	6.0	12.0	33.1	0.67	3.34	4.48	60.5
XTE_050/1440-29	29	SM41	40	2.33	3.12	7.3	14.9	29.2	0.49	2.97	3.98	78.4
XTE_050/1440-43	43	SM43	40	3.46	4.64	8.9	17.5	48.1	0.56	4.14	5.55	83.6
XTE_050/1440-58	58	SM50	20	4.66	6.24	10.9	19.9	74.0	0.61	5.53	7.41	84.3
XTE_050/1440-86	86	SM42	40	6.98	9.36	15.3	31.1	91.8	0.73	9.29	12.44	75.2
XTE_050/1440-173	173	SM51	20	14.04	18.81	26.9	58.9	211.1	0.71	15.88	21.28	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	22.5
XTE_010/30-22	22	SM01	40	0.06	0.08	0.4	0.5	0.8	0.42	0.17	0.22	36.7
XTE_010/30-29	29	SM10	20	0.09	0.12	1.2	1.4	2.3	0.43	0.51	0.69	17.0
XTE_010/30-43	43	SM03	20	0.09	0.12	0.63	0.75	1.17	0.46	0.46	0.29	31.0
XTE_010/30-58	58	SM04	20	0.17	0.23	1.1	2.0	2.7	0.47	0.51	0.69	33.3
XTE_010/30-86	86	SM05	20	0.26	0.35	1.0	2.1	4.2	0.56	0.56	0.75	46.4
XTE_010/30-173	173	SM06	20	0.51	0.68	1.4	2.1	5.9	0.71	0.99	1.33	51.1
XTE_010/90-14	14	SM10	40	0.09	0.12	1.2	1.4	2.3	0.43	0.51	0.69	17.0
XTE_010/90-22	22	SM11	40	0.13	0.18	1.2	1.3	2.7	0.43	0.51	0.69	25.6
XTE_010/90-29	29	SM12	20	0.15	0.20	1.6	1.7	2.7	0.46	0.73	0.98	20.4
XTE_010/90-43	43	SM13	20	0.22	0.30	1.7	2.1	3.4	0.41	0.69	0.93	32.4
XTE_010/90-58	58	SM14	20	0.34	0.45	1.4	1.7	5.0	0.46	0.64	0.86	52.8
XTE_010/90-86	86	SM15	20	0.46	0.61	1.8	2.5	7.2	0.55	0.99	1.32	46.4
XTE_010/90-173	173	SM16	20	0.87	1.16	2.3	3.9	12.3	0.67	1.53	2.06	56.5
XTE_020/180-22	22	SM13	40	0.22	0.30	1.7	2.1	3.4	0.41	0.69	0.93	32.4
XTE_020/180-29	29	SM14	40	0.34	0.45	1.4	1.7	5.0	0.46	0.64	0.86	52.8
XTE_020/180-43	43	SM15	40	0.46	0.61	1.8	2.5	7.2	0.55	0.99	1.32	46.4
XTE_020/180-58	58	SM21	20	0.62	0.83	2.3	3.9	7.7	0.43	0.98	1.32	63.1
XTE_020/180-86	86	SM22	20	0.95	1.28	2.6	5.1	11.4	0.61	1.58	2.12	60.3
XTE_020/180-173	173	SM23	20	1.78	2.39	4.3	7.0	23.0	0.67	2.87	3.84	62.1
XTE_030/360-14	14	SM21	80	0.62	0.83	2.3	3.9	7.7	0.43	0.98	1.32	63.1
XTE_030/360-22	22	SM32	40	0.60	0.81	2.6	3.4	8.2	0.39	1.00	1.34	60.6
XTE_030/360-29	29	SM21	40	0.62	0.83	2.3	3.9	7.7	0.43	0.98	1.32	63.1
XTE_030/360-58	58	SM30	20	1.35	1.80	5.0	8.4	17.7	0.43	2.14	2.87	62.9
XTE_030/360-86	86	SM23	40	1.78	2.39	4.3	7.0	23.0	0.67	2.87	3.84	62.1
XTE_030/360-173	173	SM31	20	4.05	5.43	7.1	14.6	49.2	0.68	4.81	6.44	84.2
XTE_040/720-14	14	SM30	80	1.35	1.80	5.0	8.4	17.7	0.43	2.14	2.87	62.9
XTE_040/720-22	22	SM44	40	1.01	1.36	3.6	6.1	11.7	0.39	1.40	1.87	72.5
XTE_040/720-29	29	SM30	40	1.35	1.80	5.0	8.4	17.7	0.43	2.14	2.87	62.9
XTE_040/720-43	43	SM40	40	2.02	2.70	5.0	10.0	27.6	0.67	3.34	4.47	60.5
XTE_040/720-58	58	SM41	20	2.33	3.13	6.1	12.4	24.3	0.49	2.98	3.99	78.4
XTE_040/720-86	86	SM31	40	4.05	5.43	7.1	14.6	49.2	0.68	4.81	6.44	84.2
XTE_040/720-173	173	SM42	20	7.00	9.38	12.8	25.9	76.6	0.73	9.31	12.47	75.2
XTE_050/1440-14	14	SM41	80	2.33	3.13	6.1	12.4	24.3	0.49	2.98	3.99	78.4
XTE_050/1440-22	22	SM40	80	2.02	2.70	5.0	10.0	27.6	0.67	3.34	4.47	60.5
XTE_050/1440-29	29	SM41	40	2.33	3.13	6.1	12.4	24.3	0.49	2.98	3.99	78.4
XTE_050/1440-43	43	SM43	40	3.45	4.62	7.4	14.6	40.1	0.56	4.13	5.53	83.6
XTE_050/1440-58	58	SM50	20	4.66	6.24	9.1	16.6	61.8	0.61	5.53	7.41	84.3
XTE_050/1440-86	86	SM42	40	7.00	9.38	12.8	25.9	76.6	0.73	9.31	12.47	75.2
XTE_050/1440-173	173	SM51	20	14.06	18.85	22.5	49.2	176.3	0.71	15.91	21.32	88.4

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	1.36	1.6	2.33	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - $\text{Cos}\phi \text{ nom} = (\text{Cos}\phi 40\%) =$ Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	1.3	1.56	2.44	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	1.25	1.53	2.54	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.79	0.92	1.48	0.46	0.24	0.32	31.0
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:

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.75	0.9	1.4	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.72	0.89	1.38	0.46	0.24	0.32	31.0
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.

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3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
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5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	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	TM03	20	0.07	0.10	0.75	0.9	1.4	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.46	0.54	0.85	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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. For main supply voltage higher than 600 V AC 3-PH, the mains supply system must have an earthed neutral as per ANNEX "I" of IEC 61010-1.

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	TM03	20	0.09	0.12	1.29	1.54	2.4	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - $\text{Cos}\phi \text{ nom} = (\text{Cos}\phi 40\%) =$ Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.9	1.08	1.68	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.82	0.94	1.47	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.78	0.92	1.46	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.75	0.9	1.4	0.46	0.29	0.39	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	1.36	1.6	2.33	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	1.3	1.56	2.44	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	1.25	1.53	2.54	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.79	0.92	1.48	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.75	0.9	1.4	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.72	0.89	1.38	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.07	0.10	0.75	0.9	1.4	0.46	0.24	0.32	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	1.29	1.54	2.4	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.9	1.08	1.68	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.82	0.94	1.47	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.78	0.92	1.46	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	TM03	20	0.09	0.12	0.75	0.9	1.4	0.46	0.46	0.29	31.0
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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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.

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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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	40	12	23	0.19	0.26	14.0	32.0	63.0	0	0.34	0.45	57.6
XTE_010D/90-SR2	DM05	20	24	30	0.20	0.27	20.0	38.0	55.0	0	0.34	0.45	57.6
XTE_010D/90-SR3	DM05	20	50	68	0.19	0.26	37.0	80.0	120.0	0	0.89	1.19	21.6

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/30-SR1	DM05d	40	12	29	0.15	0.20	7.0	14.0	33.0	0	0.34	0.45	43.9
XTE_010D/30-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-SR1	DM05	40	12	30	0.40	0.54	16.5	32.0	58.0	0	0.79	1.06	50.6
XTE_010D/90-SR2	DM05	20	50	68	0.40	0.54	16.5	32.0	58.0	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 approximately 40% of actuator nominal torque).
3. In (A) = (I-40%) = Motor current at approximately 40% of actuator nominal torque.
4. Is (A) = (I-100%) = Motor current at approximately 100% of actuator nominal torque.
5. Icc (A) = Locked rotor current.
6. Power Factor - Cosφ nom = (Cosφ 40%) = Power factor at approximately 40% of actuator nominal torque.
7. Absorbed Power (KW) = Absorbed electrical Power at approximately 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

This card features a 4 to 20 mA galvanically-insulated module for position or torque re-transmission. The said card is easily plugged into the base card without the need for dedicated tools. The module can be configured to the output torque in place of the actuator position.

Position Servo Amplifier Module

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.

The basic features are:

- Input: 4 to 20 mA or 0 to 20 mA with galvanic insulation
- Output: 4 to 20 mA with galvanic insulation for position or torque re-transmission.

Bus Control Modules

FOUNDATION Fieldbus

Electrical interface	IEC 61158-2, 2-wire communication
Data rate	31.25 kbit/s
Bus type	H1 communication bus, Voltage Mode signaling
Device number	32 devices per segment Max 16 device (best practice) even less in case of many Function Blocks assigned to the microcycle
Bus length	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 to 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/s
Transmission technology	RS485, 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 m without repeater
Electrical power	Actuator-powered

PROFIBUS DP V0/1/2

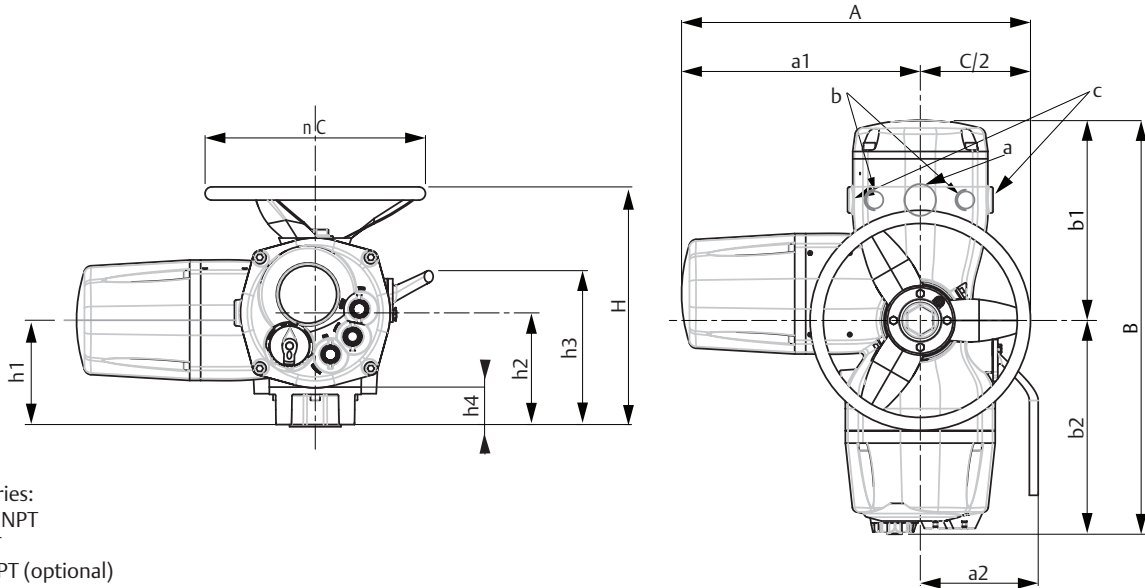
Electrical interface	2-wire RS485								
Data rate	9.6 19.2 45.45 93.75 187.5 500 1500 kbit/s								
Network topology	Line (bus) structure. With repeaters tree structures can also be realized								
Device number	32 devices per segment without repeater (max 126, with repeaters)								
Transmission 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/s
	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 RS485
Data rate	78 kbps
Network topology	Multi-drop line or loop
Device number	60 devices per segment using specific 16 AWG cable. More segments with repeaters
Transmission technology	LonWorks® FTT-10
Bus length	1200 m per segment using specific 16 AWG cable. More segments with repeaters
Electrical power	Actuator-powered

Overall Actuator Dimensions

Overall Dimensions - Standard Manual Override



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

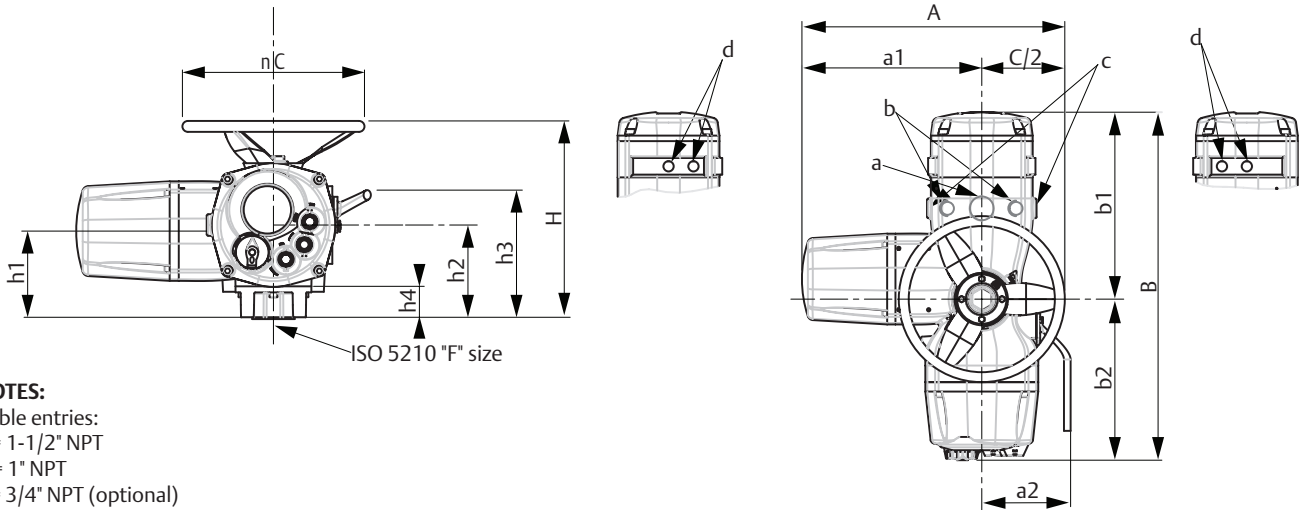
Overall Dimensions, mm / in.

Model XTE3000 (Upgrade)	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg / lb	F
XTE_010	489 / 19.25	328 / 12.91	161 / 6.34	566 / 22.28	274 / 10.79	292 / 11.50	300 / 11.81	324 / 12.76	142 / 5.59	152 / 5.98	209 / 8.23	38 / 83.78	F10
XTE_020	600 / 23.62	350 / 13.78	161 / 6.34	584 / 22.99	284 / 11.18	300 / 11.81	500 / 19.69	374 / 14.72	161 / 6.34	161 / 6.34	240 / 9.45	48 / 105.82	F14
XTE_030	705 / 27.76	405 / 15.94	160 / 6.30	625 / 24.61	314 / 12.36	312 / 12.28	600 / 23.62	431 / 16.97	187 / 7.36	175 / 6.89	270 / 10.63	77 / 169.76	F14
XTE_040	821 / 32.32	461 / 18.15	170 / 6.69	710 / 27.95	319 / 12.56	392 / 15.43	720 / 28.35	478 / 18.82	196 / 7.72	191 / 7.52	291 / 11.46	90 / 198.42	F16
XTE_50	941 / 37.05	511 / 20.12	180 / 7.09	761 / 29.96	364 / 14.33	397 / 15.63	860 / 33.86	549 / 21.61	223 / 8.78	218 / 8.58	336 / 13.23	120 / 264.55	F25

Model XTE3000	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg / lb	F
XTE_010	484 / 19.06	325 / 12.80	159 / 6.26	561 / 22.09	273 / 10.75	288 / 11.34	300 / 11.81	332 / 13.07	142 / 5.59	152 / 5.98	209 / 8.23	32 / 70.55	F10
XTE_020	597 / 23.50	347 / 13.66	159 / 6.26	579 / 22.80	283 / 11.14	296 / 11.65	500 / 19.69	380 / 14.96	161 / 6.34	161 / 6.34	239 / 9.41	45 / 99.21	F14
XTE_030	699 / 27.52	399 / 15.71	159 / 6.26	621 / 24.45	313 / 12.32	308 / 12.13	600 / 23.62	436 / 17.17	175 / 6.89	175 / 6.89	269 / 10.59	70 / 154.32	F14
XTE_040	815 / 32.09	455 / 17.91	159 / 6.26	706 / 27.80	318 / 12.52	388 / 15.28	720 / 28.35	486 / 19.13	196 / 7.72	191 / 7.52	291 / 11.46	86 / 189.60	F16
XTE_050	958 / 37.72	528 / 20.79	159 / 6.26	756 / 29.76	363 / 14.29	393 / 15.47	860 / 33.86	560 / 22.05	223 / 8.78	218 / 8.58	336 / 13.23	110 / 242.51	F25

NOTE:
 ISO 5210 Mounting Scheme - Column F

Overall Dimensions - Optional Profibus Module with Standard Manual Override



NOTES:

Cable entries:

a = 1-1/2" NPT

b = 1" NPT

c = 3/4" NPT (optional)

d = N.6/N.9 1/2" NPT/M20x1.5 (optional)

Overall Dimensions, mm / in.

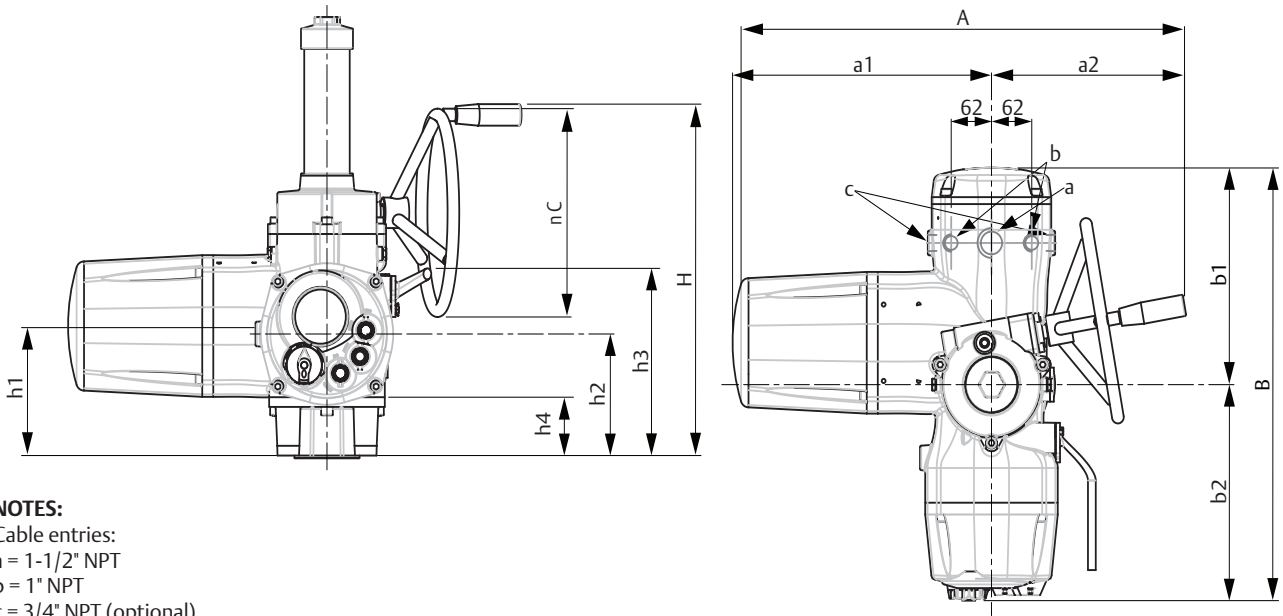
Model XTE3000 (Upgrade)	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg / lb	F
XTE_010	489 / 19.25	328 / 12.91	161 / 6.34	631 / 24.84	339 / 13.35	292 / 11.50	300 / 11.81	324 / 12.76	142 / 5.59	152 / 5.98	209 / 8.23	44 / 97.00	F10
XTE_020	600 / 23.62	350 / 13.78	161 / 6.34	649 / 25.55	349 / 13.74	300 / 11.81	500 / 19.69	374 / 14.72	161 / 6.34	161 / 6.34	240 / 9.45	54 / 119.05	F14
XTE_030	705 / 27.76	405 / 15.94	160 / 6.30	691 / 27.20	379 / 14.92	312 / 12.28	600 / 23.62	431 / 16.97	187 / 7.36	175 / 6.89	270 / 10.63	83 / 182.98	F14
XTE_040	821 / 32.32	461 / 18.15	170 / 6.69	776 / 30.55	384 / 15.12	392 / 15.43	720 / 28.35	478 / 18.82	196 / 7.72	191 / 7.52	291 / 11.46	96 / 211.64	F16
XTE_050	941 / 37.05	511 / 20.12	180 / 7.09	826 / 32.52	429 / 16.89	397 / 15.63	860 / 33.86	549 / 21.61	223 / 8.78	218 / 8.58	336 / 13.23	126 / 277.78	F25

Model XTE3000	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg / lb	F
XTE_010	484 / 19.06	325 / 12.80	159 / 6.26	627 / 24.69	339 / 13.35	288 / 11.34	300 / 11.81	332 / 13.07	142 / 5.59	152 / 5.98	209 / 8.23	38 / 83.78	F10
XTE_020	597 / 23.50	347 / 13.66	159 / 6.26	645 / 25.39	349 / 13.74	296 / 11.65	500 / 19.69	380 / 14.96	161 / 6.34	161 / 6.34	239 / 9.41	51 / 112.44	F14
XTE_030	699 / 27.52	399 / 15.71	159 / 6.26	687 / 27.05	379 / 14.92	308 / 12.13	600 / 23.62	436 / 17.17	175 / 6.89	175 / 6.89	269 / 10.59	76 / 167.55	F14
XTE_040	815 / 32.09	455 / 17.91	159 / 6.26	772 / 30.39	384 / 15.12	388 / 15.28	720 / 28.35	486 / 19.13	196 / 7.72	191 / 7.52	291 / 11.46	92 / 202.83	F16
XTE_050	958 / 37.72	528 / 20.79	159 / 6.26	825 / 32.48	432 / 17.01	393 / 15.47	860 / 33.86	560 / 22.05	223 / 8.78	218 / 8.58	336 / 13.23	116 / 255.74	F25

NOTE:

ISO 5210 Mounting Scheme - Column F

Overall Dimensions - Reduced Manual Override



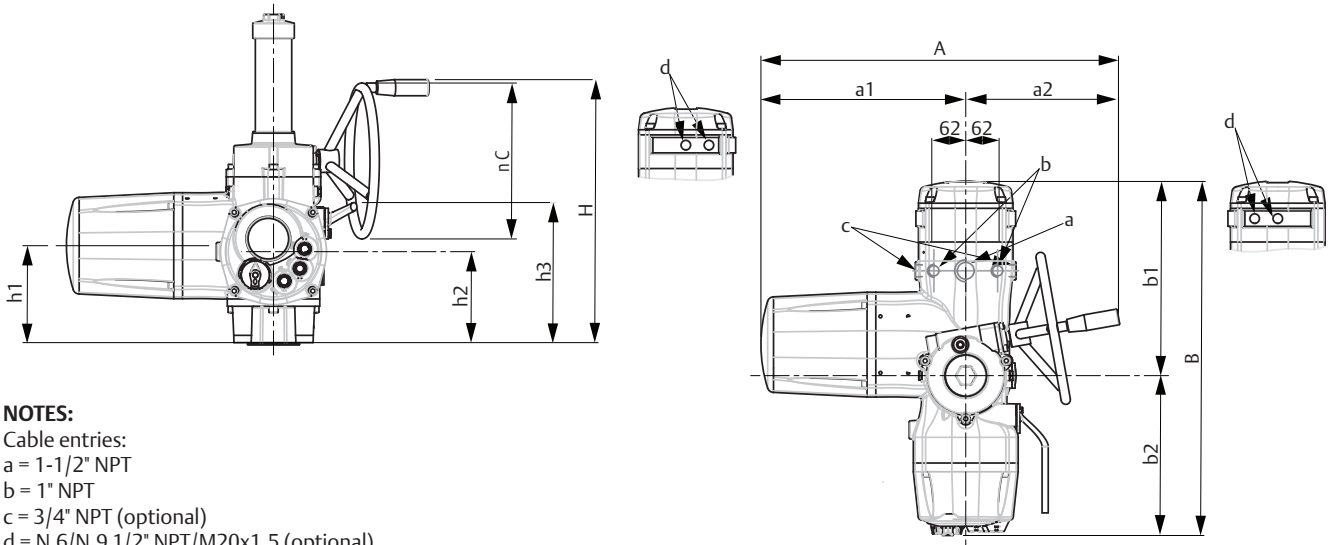
NOTES:
 Cable entries:
 a = 1-1/2" NPT
 b = 1" NPT
 c = 3/4" NPT (optional)

Overall Dimensions, mm / in.

Model XTE3000 (Upgrade)	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg / lb	F
XTE_030	700 / 27.56	405 / 15.94	295 / 11.61	625 / 24.61	314 / 12.36	312 / 12.28	300 / 11.81	506 / 19.92	187 / 7.36	175 / 6.89	270 / 10.63	85 / 187.39	F14
XTE_040	783 / 30.83	461 / 18.15	322 / 12.68	710 / 27.95	319 / 12.56	392 / 15.43	400 / 15.75	580 / 22.83	196 / 7.72	191 / 7.52	291 / 11.46	98 / 216.05	F16
XTE_050	825 / 32.48	511 / 20.12	314 / 12.36	761 / 29.96	364 / 14.33	397 / 15.63	500 / 19.69	691 / 27.20	223 / 8.78	218 / 8.58	336 / 13.23	128 / 282.19	F25

Model XTE3000	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	Manual Override R	F
XTE_030	648 / 25.51	399 / 15.71	249 / 9.80	621 / 24.45	313 / 12.32	308 / 12.13	300 / 11.81	500 / 19.69	175 / 6.89	175 / 6.89	269 / 10.59	10 / 1	78 / 171.96
XTE_040	723 / 28.46	455 / 17.91	268 / 10.55	706 / 27.80	318 / 12.52	388 / 15.28	400 / 15.75	574 / 22.60	196 / 7.72	191 / 7.52	291 / 11.46	13 / 1	94 / 207.23
XTE_050	799 / 31.46	528 / 20.79	271 / 10.67	756 / 29.76	363 / 14.29	393 / 15.47	500 / 19.69	685 / 26.97	223 / 8.78	218 / 8.58	336 / 13.23	17 / 1	118 / 260.15

Overall Dimensions - Optional Profibus Module with Reduced Manual Override



NOTES:

Cable entries:

a = 1-1/2" NPT

b = 1" NPT

c = 3/4" NPT (optional)

d = N.6/N.9 1/2" NPT/M20x1.5 (optional)

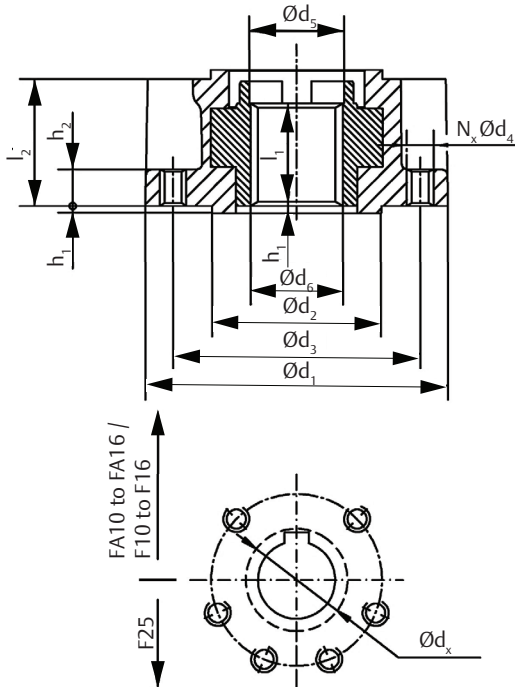
Overall Dimensions, mm / in.

Model XTE3000 (Upgrade)	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	kg / lb	F
XTE_030	700 / 27.56	405 / 15.94	295 / 11.61	691 / 27.20	379 / 14.92	312 / 12.28	300 / 11.81	506 / 19.92	187 / 7.36	175 / 6.89	270 / 10.63	91 / 41.28	F14
XTE_040	783 / 30.83	461 / 18.15	322 / 12.68	776 / 30.55	384 / 15.12	392 / 15.43	400 / 15.75	580 / 22.83	196 / 7.72	191 / 7.52	291 / 11.46	104 / 47.17	F16
XTE_050	825 / 32.48	511 / 20.12	314 / 12.36	826 / 32.52	429 / 16.89	397 / 15.63	500 / 19.69	691 / 27.20	223 / 8.78	218 / 8.58	336 / 13.23	134 / 60.78	F25

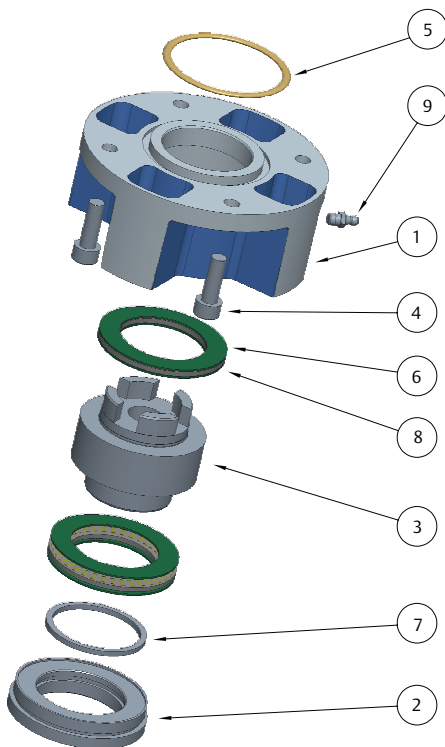
Model XTE3000	A	a1	a2	B	b1	b2	C	H	h1	h2	h3	Manual Override R	F
XTE_030	648 / 25.51	399 / 15.71	249 / 9.80	687 / 27.05	379 / 14.92	308 / 12.13	300 / 11.81	500 / 19.69	175 / 6.89	175 / 6.89	269 / 10.59	10 / 1	84 / 185.19
XTE_040	723 / 28.46	455 / 17.91	268 / 10.55	772 / 30.39	384 / 15.12	388 / 15.28	400 / 15.75	574 / 22.6	196 / 7.72	191 / 7.52	291 / 11.46	13 / 1	100 / 220.46
XTE_050	799 / 31.46	528 / 20.79	271 / 10.67	822 / 32.36	429 / 16.89	393 / 15.47	500 / 19.69	685 / 26.97	223 / 8.78	218 / 8.58	336 / 13.23	17 / 1	124 / 273.37

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 / lbf)	40 / 8992.36	100 / 22480.90	150 / 33721.35	180 / 40465.62	300 / 67442.70
Fmax (kN / lbf)	60 / 13488.54	150 / 33721.35	225 / 50582.03	270 / 60698.43	450 / 101164.05
Ød ₁	125 / 4.92	175 / 6.89	175 / 6.89	210 / 8.27	300 / 11.81
Ød ₂ f8	70 / 2.76	100 / 3.94	100 / 3.94	130 / 5.12	200 / 7.87
Ød ₃	102 / 4.02	140 / 5.51	140 / 5.51	165 / 6.50	254 / 10.00
Ød ₄	M10	M16	M16	M20	M16
Ød ₅	33 / 1.30	46 / 1.81	62 / 2.44	68 / 2.68	78 / 3.07
Ød ₆ not machined ⁽¹⁾	BLIND	BLIND	BLIND	30 / 1.18	35 / 1.38
Ød ₆ max	32 / 1.26	45 / 1.77	60.5 / 2.38	65 / 2.56	76.5 / 3.01
Ød _x max	32 / 1.26	45 / 1.77	60.5 / 2.38	65 / 2.56	76.5 / 3.01
l ₁	44 / 1.73	55 / 2.17	70 / 2.76	75 / 2.95	92 / 3.62
l ₂	51 / 2.01	68 / 2.68	84 / 3.31	94 / 3.70	120 / 4.72
h ₁	3 / 0.12	4 / 0.16	4 / 0.16	5 / 0.20	5 / 0.20
h ₂	15 / 0.59	24 / 0.94	24 / 0.94	30 / 1.18	24 / 0.94
N	4	4	4	4	8
Weight (kg / lb)	1.5 / 3.4	7.7 / 17	7.7 / 17	15 / 34	28 / 62

Model	010	020	030	040	050
MSS SP-102	FA10	FA14	FA14	FA16	FA25
Fnom (kN / lbf)	40 / 8992.36	100 / 22480.90	150 / 33721.35	180 / 40465.62	300 / 67442.70
Fmax (kN / lbf)	60 / 13488.54	150 / 33721.35	225 / 50582.03	270 / 60698.43	450 / 101164.05
Ød ₁	125 / 4.92	175 / 6.89	175 / 6.89	210 / 8.27	300 / 11.81
Ød ₂ f8	58.7 / 2.31	95.25 / 3.75	95.25 / 3.75	127 / 5.00	152 / 5.98
Ød ₃	101.6 / 4.00	139.7 / 5.50	139.7 / 5.50	165.1 / 6.50	254.4 / 10.02
Ød ₄ (UNC)	3/8-16	5/8-11	5/8-11	3/4-10	5/8-11
Ød ₅	33 / 1.30	46 / 1.81	62 / 2.44	68 / 2.68	78 / 3.07
Ød ₆ not machined ⁽¹⁾	BLIND	BLIND	BLIND	30 / 1.18	35 / 1.38
Ød ₆ max	32 / 1.26	45 / 1.77	60.5 / 2.38	65 / 2.56	76.5 / 3.01
Ød _x max	32 / 1.26	45 / 1.77	60.5 / 2.38	65 / 2.56	76.5 / 3.01
l ₁	44 / 1.73	55 / 2.17	70 / 2.76	75 / 2.95	92 / 3.62
l ₂	51 / 2.01	68 / 2.68	84 / 3.31	94 / 3.70	120 / 4.72
h ₁	3 / 0.12	4 / 0.16	4 / 0.16	5 / 0.20	5 / 0.20
h ₂	15 / 0.59	24 / 0.94	24 / 0.94	30 / 1.18	24 / 0.94
N	4	4	4	4	8
Weight (kg / lb)	1.5 / 3.4	7.7 / 17	7.7 / 17	15 / 34	28 / 62

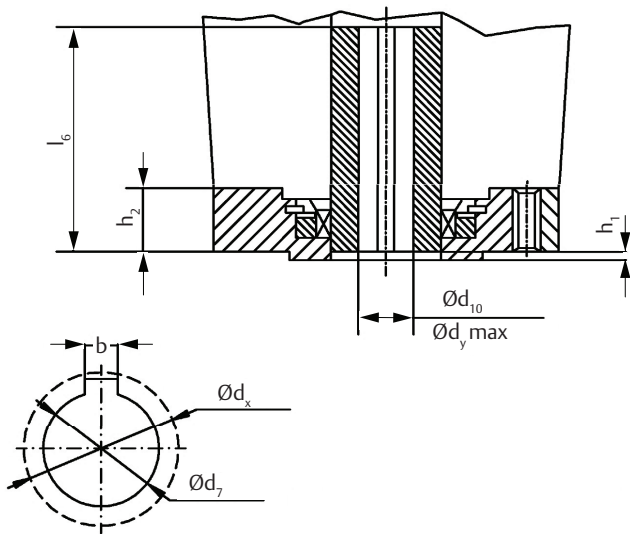
NOTES:

- Ød₆ max = Max threaded stem acceptable
- Ød_x = The maximum accepted diameter as prescribed by the key
- Fnom = is the maximum thrust applicable to the XTE3000 block type "A" for DYNAMIC CONDITIONS with torque control set at 100%
- Fmax = is the maximum thrust applicable to the XTE3000 block type "A" for STATIC CONDITIONS with manual override or with motor at stall torque
- All units in mm / in. unless otherwise stated

(1) Pre-holes model are available on request

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 B3/B4 Dimensions



NOTE:

* Flange dimensions as per type A

Model	010	020	030	040	050	
ISO 5210	F10	F14	F14	F16	F25	
B3	Ød ₁₀ H9 ⁽¹⁾	20 / 0.79	30 / 1.18	30 / 1.18	40 / 1.57	50 / 1.97
Key size / bxh	6x6 / 0.24x0.24	8x7 / 0.31x0.28	8x7 / 0.31x0.28	12x8 / 0.47x0.31	14x9 / 0.55x0.35	
B4	Ød _y max ⁽¹⁾	22 / 0.87	32 / 1.26	46 / 1.81	50 / 1.97	58 / 2.28
Ød _x ⁽²⁾	26 / 1.02	40 / 1.57	55 / 2.17	60 / 2.36	68 / 2.68	
l ₆	100 / 3.94	120 / 4.72	130 / 5.12	150 / 5.91	178 / 7.01	
h ₁	3 / 0.12	4 / 0.16	4 / 0.16	5 / 0.20	5 / 0.20	
h ₂	15 / 0.59	24 / 0.94	24 / 0.94	30 / 1.18	24 / 0.94	
N	4	4	4	4	8	
Weight (kg / lb)	1.0 / 2.2	5.6 / 12	6.1 / 13	12 / 27	20 / 45	

Model	010	020	030	040	050	
MSS SP-102	FA10	FA14	FA14	FA16	FA25	
B3	Ød ₁₀ H9 ⁽¹⁾	20 / 0.79	30 / 1.18	30 / 1.18	40 / 1.57	50 / 1.97
Key size / bxh	6x6 / 0.24x0.24	8x7 / 0.31x0.28	8x7 / 0.31x0.28	12x8 / 0.47x0.31	14x9 / 0.55x0.35	
B4	Ød _y max ⁽¹⁾	22 / 0.87	32 / 1.26	46 / 1.81	50 / 1.97	58 / 2.28
Ød _x ⁽²⁾	26 / 1.02	40 / 1.57	55 / 2.17	60 / 2.36	68 / 2.68	
l ₆	100 / 3.94	120 / 4.72	130 / 5.12	150 / 5.91	178 / 7.01	
h ₁	0.1 / 0.00	0.2 / 0.01	0.2 / 0.01	0.2 / 0.01	0.2 / 0.01	
h ₂	0.6 / 0.02	0.9 / 0.04	0.9 / 0.04	1.2 / 0.05	0.9 / 0.04	
N	4	4	4	4	8	
Weight (kg / lb)	10 / 2.25	55 / 12.36	60 / 13.49	120 / 26.98	200 / 44.96	

NOTES:

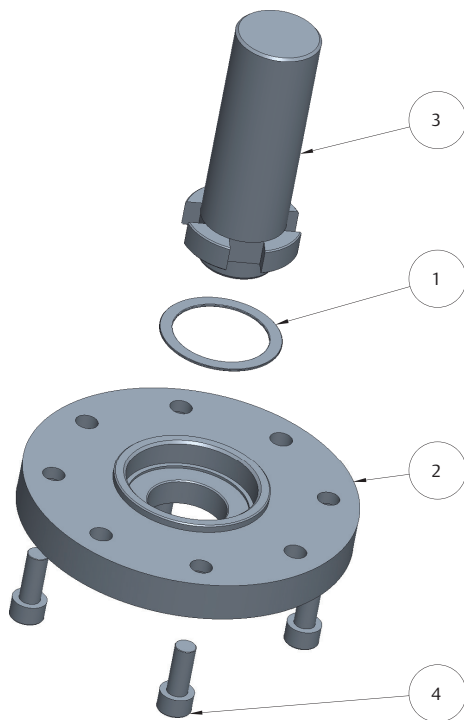
■ B3 coupling bush is machined in accordance to the above indications

■ All units in mm / in. unless otherwise stated

(1) Ød₁₀ and Ød_y with standard keyway according to ISO 773

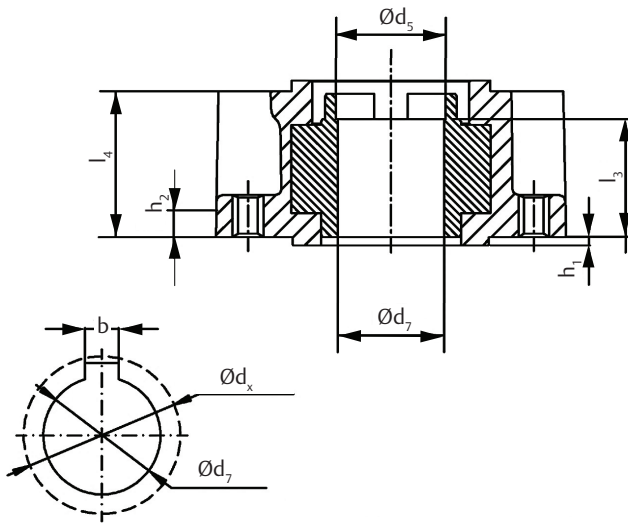
(2) Ød_x = The maximum accepted diameter described by the key

Thrust Block Type B3/B4



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

Output Drive Type B5/B6 Dimensions

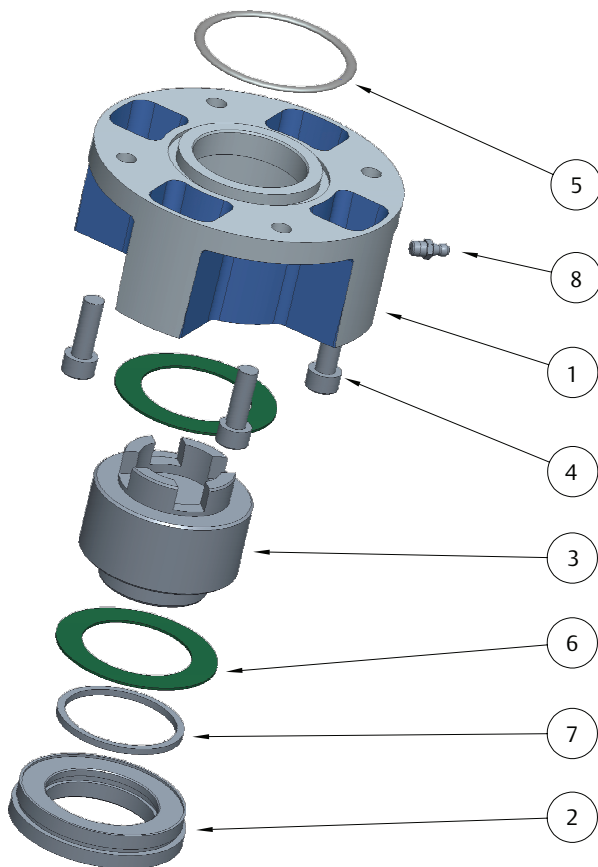


NOTE:

* Flange dimensions as per type A

Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
$\text{Ø}d_5$	33 / 1.30	46 / 1.81	62 / 2.44	68 / 2.68	78 / 3.07
B5 $\text{Ø}d_7$ H9 ⁽¹⁾	32 / 1.26	45 / 1.77	60 / 2.36	65 / 2.56	76 / 2.99
Key size / bxh	12x8 / 0.47x0.31	18x11 / 0.71x0.43	18x11 / 0.71x0.43	22x14 / 0.87x0.55	28x16 / 1.10x0.63
B6 $\text{Ø}d_7$ max ⁽¹⁾	32 / 1.26	45 / 1.77	60 / 2.36	65 / 2.56	76 / 2.99
$\text{Ø}d_x$ max ⁽²⁾	40 / 1.57	54.4 / 2.14	71 / 2.80	76 / 2.99	90 / 3.54
l_3	44 / 1.73	55 / 2.17	70 / 2.76	73 / 2.87	92 / 3.62
l_4	51 / 2.01	68 / 2.68	84 / 3.31	94 / 3.70	120 / 4.72
h_1	3 / 0.12	4 / 0.16	4 / 0.16	5 / 0.20	5 / 0.20
h_2	15 / 0.59	24 / 0.94	24 / 0.94	30 / 1.18	24 / 0.94
N	4	4	4	4	8
Weight (kg / lb)	1.5 / 3.4	6.6 / 15	7.1 / 16	14 / 31	27 / 58

Thrust Block Type B5/B6



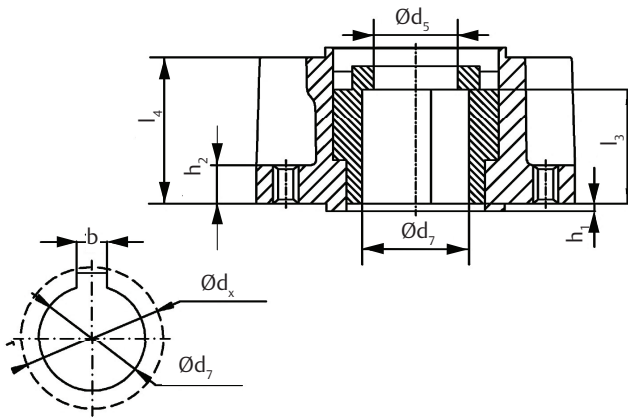
Model	010	020	030	040	050
MSS SP-102	FA10	FA14	FA14	FA16	FA25
$\text{Ø}d_5$	33 / 1.30	46 / 1.81	62 / 2.44	68 / 2.68	78 / 3.07
B5 $\text{Ø}d_7$ H9 ⁽¹⁾	32 / 1.26	45 / 1.77	60 / 2.36	65 / 2.56	76 / 2.99
Key size / bxh	12x8 / 0.47x0.31	18x11 / 0.71x0.43	18x11 / 0.71x0.43	22x14 / 0.87x0.55	28x16 / 1.10x0.63
B6 $\text{Ø}d_7$ max ⁽¹⁾	32 / 1.26	45 / 1.77	60 / 2.36	65 / 2.56	76 / 2.99
$\text{Ø}d_x$ max ⁽²⁾	40 / 1.57	54.4 / 2.14	71 / 2.80	76 / 2.99	90 / 3.54
l_3	44 / 1.73	55 / 2.17	70 / 2.76	73 / 2.87	92 / 3.62
l_4	51 / 2.01	68 / 2.68	84 / 3.31	94 / 3.70	120 / 4.72
Weight (kg / lb)	1.5 / 3.4	6.6 / 15	7.1 / 16	14 / 31	27 / 58

NOTES:

- All units in mm / in. unless otherwise stated
- B5 coupling bush is machined in accordance to the above indications
- (1) $\text{Ø}d_7$ with standard keyway according to ISO 773
- (2) $\text{Ø}d_x$ = The maximum acceptable diameter described by the key

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 B7/B8 Dimensions

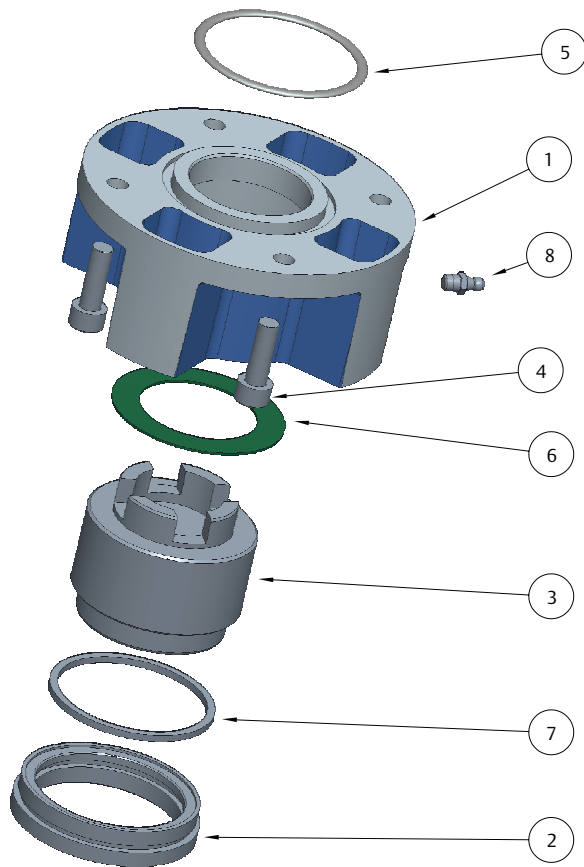


NOTE:

* Flange dimensions as per type A

Model	010	020	030	040	050
ISO 5210	F10	F14	F14	F16	F25
Ød ₅	33 / 1.30	46 / 1.81	62 / 2.44	68 / 2.68	78 / 3.07
B7 Ød ₇ H9 ⁽¹⁾	42 / 1.65	60 / 2.36	60 / 2.36	80 / 3.15	100 / 3.94
Key size / bxh	12x8 / 0.47x0.31	18x11 / 0.71x0.43	18x11 / 0.71x0.43	22x14 / 0.87x0.55	28x16 / 1.10x0.63
B8 Ød ₇ max ⁽¹⁾	42 / 1.65	60 / 2.36	60 / 2.36	80 / 3.15	100 / 3.94
Ød _x max ⁽²⁾	50 / 1.97	71 / 2.80	71 / 2.80	94 / 3.70	116 / 4.57
l ₃	40 / 1.57	48 / 1.89	70 / 2.76	66 / 2.60	76 / 2.99
l ₄	51 / 2.01	68 / 2.68	84 / 3.31	94 / 3.70	120 / 4.72
h ₁	3 / 0.12	4 / 0.16	4 / 0.16	5 / 0.20	5 / 0.20
h ₂	15 / 0.59	24 / 0.94	24 / 0.94	30 / 1.18	24 / 0.94
N	4	4	4	4	8
Weight / kg	1.5 / 3.4	6.6 / 15	7.1 / 16	14 / 31	27 / 58

Thrust Block Type B7/B8



Model	010	020	030	040	050
MSS SP-102	FA10	FA14	FA14	FA16	FA25
Ød ₅	NA*	46 / 1.81	62 / 2.44	68 / 2.68	78 / 3.07
B7 Ød ₇ H9 ⁽¹⁾	NA*	60 / 2.36	60 / 2.36	80 / 3.15	100 / 3.94
Key size / bxh	NA*	18x11 / 0.71x0.43	18x11 / 0.71x0.43	22x14 / 0.87x0.55	28x16 / 1.10x0.63
B8 Ød ₇ max ⁽¹⁾	NA*	60 / 2.36	60 / 2.36	80 / 3.15	100 / 3.94
Ød _x max ⁽²⁾	NA*	71 / 2.80	71 / 2.80	94 / 3.70	116 / 4.57
l ₃	NA*	48 / 1.89	70 / 2.76	66 / 2.60	76 / 2.99
l ₄	NA*	68 / 2.68	84 / 3.31	94 / 3.70	120 / 4.72
Weight / kg	NA*	6.6 / 15	7.1 / 16	14 / 31	27 / 58

NOTES:

- All units in mm / in. unless otherwise stated
 - B7 coupling bush is machined in accordance to the above indications
 - (NA*) for model 010 please refer to type B5/B6
- (1) Ød₇ with standard keyway according to ISO 773
 (2) Ød_x = The maximum accepted diameter described by the key

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

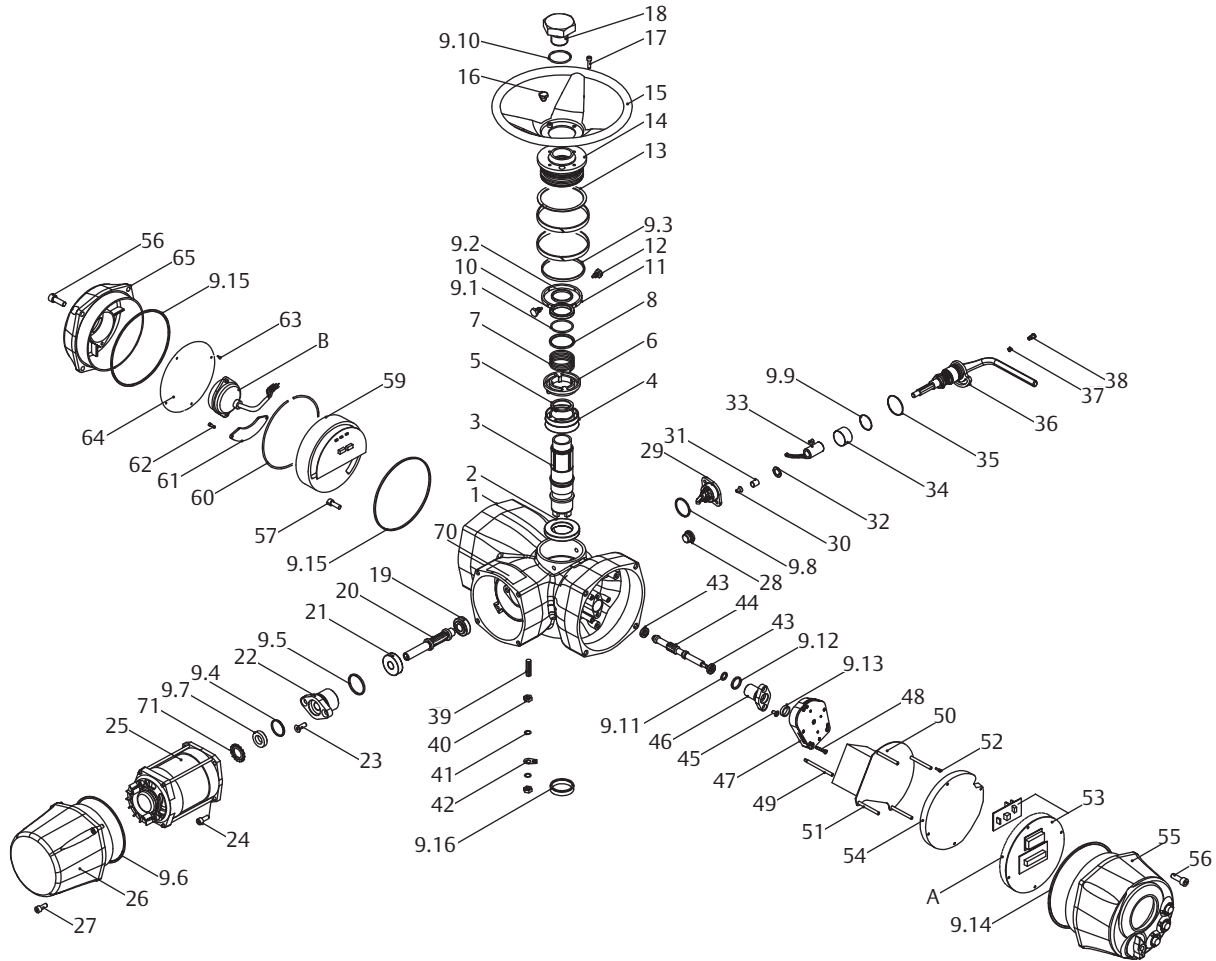
XTE3000 Spare Parts List

Item	Qty	Description	Item	Qty	Description	Item	Qty	Description
1	1	Housing	13	1	Cover shoulder washer	41	2	Washer
2	1	Bearing	14	1	Handwheel cover	42	1	Earth plate
3	1	Hollow shaft	15	1	Handwheel	43	2	Bearing
4	1	Worm wheel	16	1	Oil plug	44	1	Position shaft
5	1	Circlip	17	4	Screw	45	4	Screw
6	1	Drive sleeve	18	1	Stem protection tube	46	1	Position shaft flange
7	1	Spring	19	1	Bearing	47	1	Position sensor
8	1	Spring retaining ring	20	1	Worm gear	48	3	Screw
9	1	* Seal Kit	21	1	Bearing	49	4	Column
9.1	1	* O-ring	22	1	Worm gear flange	50	1	Power card
9.2	1	* Seal Ring	23	2	Screw	51	4	Column
9.3	1	* Q-Ring	24	4	Screw	52	4	Screw
9.4	1	* O-ring	25	1	Electric motor	53	1	Control card
9.5	1	* O-ring	26	1	Electric motor cover	54	1	Power card cover
9.6	1	* O-ring	27	4	Screw	55	1	Local interface group
9.7	1	* Seal Ring	28	1	Oil plug	56	8	Screw
9.8	1	* O-ring	29	1	Hand-auto finger	57	1	Screw
9.9	1	* O-ring	30	2	Screw	59	1	Terminal board
9.10	1	* O-ring	31	1	Bush	60	1	Circlip
9.11	1	* Q-Ring	32	1	Fork washer	61	1	Power terminals cover
9.12	1	* O-ring	33	1	Fork	62	2	Screw
9.13	1	* Seal Ring	34	1	Bearing bush	63	4	Screw
9.14	1	* O-ring	35	1	Lever washer	64	1	Terminal board plate
9.15	2	* O-ring	36	1	Lever group	65	1	Terminal board cover
9.16	1	* Seal Ring	37	1	Lever screw block	70	1	Data plate
10	1	Bearing	38	1	Screw	71	1	Circlip
11	2	Cover ring	39	1	Earth bolt	-	-	-
12	2	Cover screw block	40	2	Nut	B	1	Battery kit

NOTE:

* Recommended spare parts

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 to 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 to 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 to 20 mA OUT															E					
Modulating duty (S4-50%) 1200 St/h) Local CONTROL 4 to 20 mA IN/OUT															M					
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 Redundant																	L			
Modbus redundant																	V			
Modbus single channel with repeater																	W			
Modbus single channel (RDM ready)																	R			
FOUNDATION Fieldbus																	N			
HART 7																	H			
HART 7 - Wireless connectivity																	T			
Accessories																		Y1	Y2	
Basic																		0	0	

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