ELECTRIC CYLINDERS SPECIFICATIONS

Model	Static Capacity	Screw Diameter	Thread Pitch/Lead	Wormgear Ratio	Worm Shaft Turns for 1" Travel	Tare Torque (Inch Lbs.)	Starting Torque (Inch Lbs.)	Operating Torque (Inch Lbs.)	Translating Tube Torque (Inch Lbs.)	Base Weight	Weight per Inch Travel
ECAL242.5	2.5 ton	1	.25 pitch ACME 2C	24:1	96	6	.018W*	.010W* @500 RPM	.098W*	24	1.5
ECAH62.5			.25 pitch .5 lead ACME 2C	6:1	12	8	.056W*	.040W* @500 RPM	.140W*		
ECAH122.5				12:1	24	7	.035W*	.023W* @500 RPM			
ECAH242.5				24:1	48	6	.025W*	.014W* @500 RPM			
ECBL62.5			0.25 lead ball	6:1	24	8	.017W*	.013W* @500 RPM	.045W*	30	1.5
ECBL122.5				12:1	48	7	.010W*	.008W* @500 RPM			
ECBL242.5				24:1	96	6	.008W*	.005W* @500 RPM			
ECBM62.5			.5 lead ball	6:1	12	8	.033W*	.026W* @500 RPM	.089W*		
ECBH62.5			1.0 lead ball	6:1	6	8	.065W*	.051W* @500 RPM	.177W*		
ECAL63	3 ton	1 1/4	.25 pitch ACME 2C	6:1	24	9	.048W*	.033W* @500 RPM	.114W*	26	1.9
ECAL123				12:1	48	8	.030W*	.018W* @500 RPM			
ECAL243				24:1	96	7	.021W*	.011W* @500 RPM			
ECBL63		1 3/20	.2 lead ball	6:1	30	9	.013W*	.011W* @500 RPM	.036W*	32	1.9
ECBL123				12:1	60	8	.008W*	.006W* @500 RPM			
ECBL243				24:1	120	7	.006W*	.004W* @500 RPM			
ECBH63		1 1/16	.625 lead ball	6:1	9.6	9	.041W*	.032W* @500 RPM	.111W*		1.8
ECBH123				12:1	19.2	8	.025W*	.018W* @500 RPM			
ECBH243				24:1	38.4	7	.018W*	.011W* @500 RPM			
ECAL65	5 ton	1 1/2	.25 pitch ACME 2C	6:1	24	15	.057W*	.039W* @300 RPM	.130W*	50	2.3
ECAL245				24:1	96	12	.026W*	.014W* @300 RPM			
ECAM65			.375 pitch STUB ACME	6:1	16	15	.065W*	.045W* @300 RPM	.151W*		
ECAM125				12:1	32	13	.041W*	.025W* @300 RPM			
ECAM245				24:1	64	12	.030W*	.016W* @300 RPM			
ECAH65			.25 pitch .5 lead ACME 2C	6:1	12	15	.073W*	.051W* @300 RPM	.171W*		
ECAH125				12:1	24	13	.046W*	.029W* @300 RPM			
ECAH245				24:1	48	12	.033W*	.018W* @300 RPM			
ECBL65			.474 lead ball	6:1	12.66	15	.032W*	.025W* @300 RPM	.084W*	65	2.3
ECBL125				12:1	25.33	13	.020W*	.014W* @300 RPM			
ECBL245				24:1	50.66	12	.015W*	.009W* @300 RPM			
ECBM65			1.0 lead ball	6:1	6	15	.067W*	.052W* @300 RPM	.177W*		
ECBM125				12:1	12	13	.042W*	.030W* @300 RPM			
ECBM245				24:1	24	12	.031W*	.018W* @300 RPM			
ECBH65			1.875 lead ball	6:1	3.2	15	.125W*	.098W* @300 RPM	.332W*		
ECBH125				12:1	6.4	13	.079W*	.055W* @300 RPM			
ECBH245				24:1	12.8	12	.057W*	.034W* @300 RPM			
ECAL810	10 ton	2	.25 pitch ACME 2C	8:1	32	30	.052W*	.036W* @200 RPM	.162W*	64	2.8
ECAL2410				24:1	96	25	.026W*	.016W* @200 RPM			
ECAM810			.5 pitch ACME 2C	8:1	16	30	.061W*	.044W* @200 RPM	.195W*		2.6
ECAM2410				24:1	48	25	.031W*	.019W* @200 RPM			
ECAH810			.333 pitch .666 lead ACME 2C	8:1	12	30	.070W*	.051W* @200 RPM	.228W*		2.7
ECAH2410				24:1	36	25	.035W*	.022W* @200 RPM			
ECBL810		1 1/2	.474 lead ball	8:1	16.88	30	.023W*	.019W* @200 RPM	.084W*	81	2.3
ECBL2410				24:1	50.66	25	.012W*	.008W* @200 RPM			
ECBM810			1.0 lead ball	8:1	8	30	.049W*	.040W* @200 RPM	.172W*		
ECBM2410				24:1	24	25	.024W*	.017W* @200 RPM			
ECBH810			1.875 lead ball	8:1	4.27	30	.091W*	.074W* @200 RPM	.332W*		
ECBH2410				24:1	12.8	25	.045W*	.031W* @200 RPM			
ECAL820	20 ton	2 1/2	.25 pitch ACME 2C	8:1	32	60	.066W*	.044W* @200 RPM	.194W*	124	4.9
ECAL2420				24:1	96	40	.035W*	.019W* @200 RPM			
ECAM820			.5 pitch ACME 2C	8:1	16	60	.075W*	.052W* @200 RPM	.227W*		4.7
ECAM2420				24:1	48	40	.039W*	.022W* @200 RPM			
ECAH820			.375 pitch .75 lead ACME 2C	8:1	10.67	60	.088W*	.062W* @200 RPM	.273W*		4.8
ECAH2420				24:1	32	40	.046W*	.027W* @200 RPM			
ECBL820		2 1/4	.5 lead ball	8:1	16	60	.026W*	.020W* @200 RPM	.089W*	164	4.5
ECBL2420				24:1	48	40	.014W*	.009W* @200 RPM			

Important Note: Electric cylinders that are ≥ 30% are not self-locking. Brake motors or external locking systems are required.

***W:** Load in pounds.

Tare Torque: Initial torque to overcome seal and normal assembly drag. This value must be added to starting torque or operating torque values.

Starting Torque: Torque value required to start moving a given load (dissipates to operating torque values once the load begins moving).

Operating Torque: Torque required to continuously raise a given load at the input RPM listed.

Translating Tube Torque: Torque required to resist tube rotation.

Lead: The distance traveled axially in one rotation of the lifting screw.

Pitch: The distance from a point on a screw thread to a corresponding point on the next thread, measured axially.

Note: This chart is provided for reference only. For specific information such as allowable continuous travel or ball nut life and other performance factors refer to JAX® Online software or contact Joyce.