

ELECTRIC CYLINDERS ORDERING INFORMATION

Instructions: Select a model number from this chart.

2.5-Ton ACME Screw	2.5-Ton Ball Screw	3-Ton ACME Screw	3-Ton Ball Screw	5-Ton ACME Screw	5-Ton Ball Screw	10-Ton ACME Screw	10-Ton Ball Screw	20-Ton ACME Screw	20-Ton Ball Screw
ECAL242.5 ECAH62.5 ECAH122.5 ECAH242.5	ECBL62.5 ECBL122.5 ECBL242.5 ECBM62.5 ECBH62.5	ECAL63 ECAL123 ECAL243	ECBL63 ECBL123 ECBL243 ECBH63 ECBH123 ECBH243	ECAL65 ECAL245 ECAM65 ECAM125 ECAM245 ECAH65 ECAH125 ECAH245	ECBL65 ECBL125 ECBL245 ECBM65 ECBM125 ECBM245 ECBH65 ECBH125 ECBH245	ECAL810 ECAL2410 ECAM810 ECAM2410 ECAH810 ECAH2410	ECBL810 ECBL2410 ECBM810 ECBM2410 ECBH810 ECBH2410	ECAL820 ECAL2420 ECAM820 ECAM2420 ECAH820 ECAH2420	ECBL820 ECBL2420

Important Note: Electric Cylinders that are $\geq 30\%$ efficient may lower under load. Brake motors or external locking systems are required. Detailed information about each electric cylinder model is available on pages 125-134.

Sample Part Number: **ECAL654C-18.5-STDX-STDX-X**

Tube End Conditions

3 (threaded end) 4 (male clevis)

5 (female clevis) 6 (female clevis with pin)

Cylinder Rise

Rise is travel expressed in inches and not the actual tube length. The allowable travel for each unit is listed in the Quick Reference section. Allowable lengths differ for vertical and horizontal mounting.

Left Side Shaft Code

(see below)

XXXX=Remove
STDX=Standard

For optional shaft codes, see page 121.

Right Side Shaft Code

(see below)

XXXX=Remove
STDX=Standard

For optional shaft codes, see page 121.

Additional Options

X=Standard, no additional options

S=Additional Specification Required (comment as necessary)

Finishes p. 179
F1=Do Not Paint
F2=Epoxy Paint
F3=Outdoor Paint Process

Motor Options
M1=Less Motor
M2=Brake Motor
M3=Single Phase Motor (120VAC)
M4=50Hz Motor

Grease/Seals
H1=High Temperature Operation
H2=Food Grade Grease

• Specify as many options as needed

Base Designs

F=Flange Base C=Clevis Base R=Rotated Clevis Base

ELECTRIC CYLINDERS SHAFT CODES

Instructions: Select the appropriate shaft codes for both right and left hand shafts. One shaft code must be specified for each side of the electric cylinder.

Hand Wheels (p. 177)

HW04=4" dia
 HW06=6" dia
 HW08=8" dia
 HW10=10" dia
 HW12=12" dia

Not recommended for cylinders that are ≥ 30% efficient.



Geared Potentiometers (p. 176)

POTA=0-10V (IP65)
 POTB=4-20MA (IP65)
 POTC=0-10V w/2 switches*
 POTD=4-20MA w/2 switches*

*Optional IP65 rating available.



Mechanical Counters (p. 177)

CNT0=0.001" Increments

Note: Contact Joyce/Dayton for availability and options.



Encoders and Electronic Limit Switches

ENCX=Encoder (p. 178)
 ELS2=2 Position Electronic Switch (p. 174)
 ELS4=4 Position Electronic Switch (p. 174)
 ELS6=6 Position Electronic Switch (p. 174)



ComDrive Reducers (pp. 125-134)

Ordering Example: **P2AC** — Motor code from chart at right

Mounting Positions					Ratio
Code	P1	P2	P3	P4	
Left Side Shaft Positions					5:1 Code A
Right Side Shaft Positions					7.5:1 Code B
					10:1 Code C

Motors

Size	Code
1/4 HP	K
1/3 HP	A
1/2 HP	B
3/4 HP	C
1 HP	D
1-1/2 HP	E
2 HP	F
3 HP	L
5 HP	G

Motor Mounts (p. 185)

Ordering Example: **MMA A** — Motor code from chart at left

MMA=56C
 MMB=140TC
 MMC=180TC
 MMD=210TC

Standard motor adapters are aluminum.



All standard motors are 3-phase, 208-230/460 VAC or 230/460 VAC. Specify the appropriate motor size from the chart above. Refer to the "Additional Options" chart on the preceding page as needed. Brake motors are required for electric cylinders that are more than 30% efficient. Contact Joyce/Dayton options that are not listed.

Mechanical Limit Switches (pp. 174-175)

Ordering Example: **LA13**

Models		Number of DPDT Switches (see p. 175)	Available Positions		
Model	Code		1	3	5
LS7-402	LI	NOTE: Will always be 0 for LS7 models			
LS8-402	LA				
LS8-404	LB				
LS9-502	LC				
LS9-503	LD				
LS9-504	LE				
LS9-505	LF				
LS9-506	LG				
LS9-507	LH				

* 2.5, 3, 5, 10, and 20 Ton Electric Cylinders are available with positions #1, #3, and #5

To order additional options, use these part numbers (p. 124)

Female Clevis Bracket
 FCB-30
 FCB-100
 FCB-200

Clevis Pin w/ retaining rings
 CP-30
 CP-100
 CP-200

Female Rod Clevis
 FRC-30
 FRC-100
 FRC-200