

LINEAR ACTUATORS

CMLA Series

CAPACITY:	500 - 2000 lbs (2200 - 8900 N)	
SPEED:	0.56 - 8.0 in/s	
VOLTAGE:	115, 230 230/460	Single-phase VAC Three-phase VAC
TEMPERATURE RANGE:	-4°F to 150°F (-20°C to 65°C)	
ENVIRONMENTAL RATING:	IP66S protection	

Note: Low temperature grease available please consult the factory

FEATURES & BENEFITS

- Four (4) available capacity ratings enable usage in a variety of applications
- Usage of sealed bearings and high quality lubricants eliminates the need for periodic maintenance
- Precision ball screw option offers unmatched load speeds
- Hardened gears, screws and lifting nuts provide an enhanced service life that surpasses many competitive offerings
- IP66S protection rating enables application in the harshest environmental conditions, including those where washdown is required

OPTIONS

- Electronic brake (standard on ball screw models)
- Potentiometer for precise position feedback
- Adjustable limit switches for repeatable positioning



CMLA-A



CMLA-B

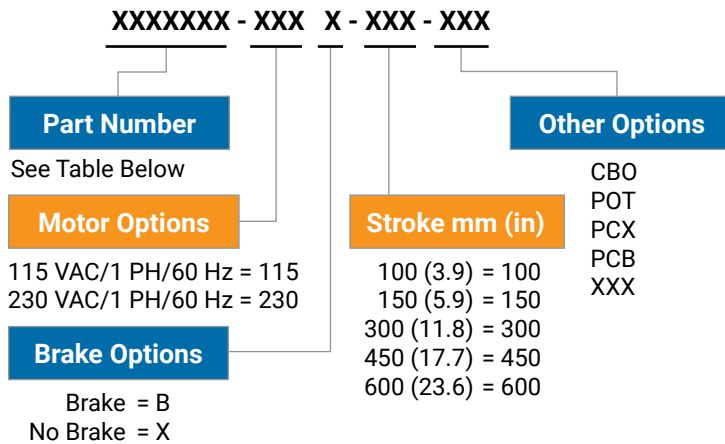


CMLA-C



CMLA-D

CATALOG NUMBER CONFIGURATION KEY - CMLA-A, CMLA-B & CMLA-C



Available Options					
Series	CBO	POT	PCX	PCB	XXX
	Brake Only	Potentiometer Only	Potentiometer and Brake	Limit Switches and Brake	No Additional Options
CMLA-A	Optional	Optional	Optional	Optional	Optional
CMLA-B	Optional	Optional	Optional	Optional	Optional
CMLA-C	Optional	Optional	Optional	Optional	Optional

Example:

ATR115C-115X-150-POT = CMLA-A, 115 VAC, No Brake, 150 mm stroke, Potentiometer

PART NUMBERS and PRODUCT SPECIFICATIONS - CMLA-A, CMLA-B & CMLA-C

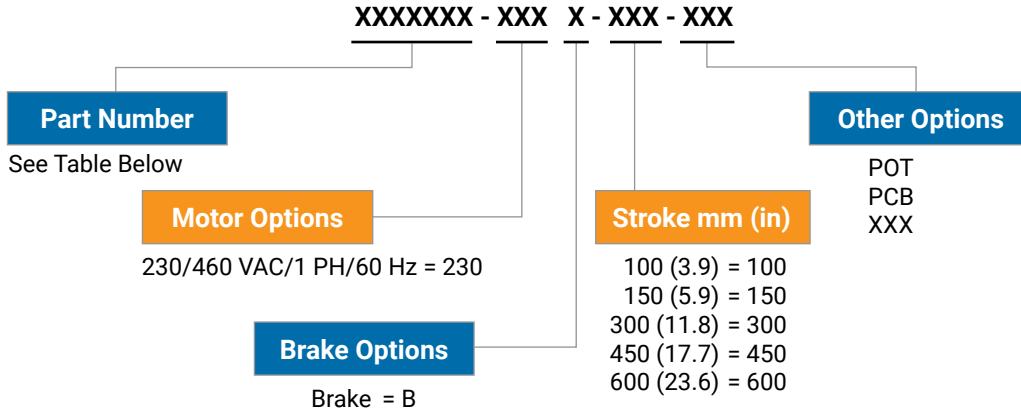
Part Number	Series	Gear Ratio	Voltage	Dynamic Rated Load	Max Stroke Length	Speed at Rated Load	Current Draw at Rated Load	Temp. Range	Duty Cycle at Rated Load	Screw Type	Capacitor	Clutch	Limit Switches
#			VAC (Hz)	lbs (N)	in (mm)	in/s (mm/s)	A	°F (°C)	%	Type	Part No.* (Required Capacitance)		
ATR115C	CMLA A	11.5:1	115 VAC (60 Hz)	500 (2200)	23.6 (600)	0.71 (18.0)	2.3	-4 to 150 (-20 to 65)	32	Trapezoid	SK6405-7-13 (35 MFD)	Included	Optional
ATR115C		11.5:1	230 VAC (60 Hz)	500 (2200)	23.6 (600)	0.71 (18.0)	1.4	-4 to 150 (-20 to 65)	32	Trapezoid	SK6405-7-10 (10 MFD)	Included	Optional
AKU065C		6.5:1	115 VAC (60 Hz)	500 (2200)	23.6 (600)	1.5 (38.1)	2.4	-4 to 150 (-20 to 65)	22	Ball	SK6405-7-13 (35 MFD)	Included	Optional
AKU065C		6.5:1	230 VAC (60 Hz)	500 (2200)	23.6 (600)	1.5 (38.1)	1.5	-4 to 150 (-20 to 65)	22	Ball	SK6405-7-10 (10 MFD)	Included	Optional
BTR142C	CMLA B	14.2:1	115 VAC (60 Hz)	1000 (4500)	23.6 (600)	0.56 (14.2)	7	-4 to 150 (-20 to 65)	18	Trapezoid	SK6405-7-15 (50 MFD)	Included	Optional
BTR142C		14.2:1	230 VAC (60 Hz)	1000 (4500)	23.6 (600)	0.56 (14.2)	3.4	-4 to 150 (-20 to 65)	18	Trapezoid	192002120 (12.5 MFD)	Included	Optional
BKU807C		8.1:1	115 VAC (60 Hz)	1000 (4500)	23.6 (600)	1.12 (28.4)	7	-4 to 150 (-20 to 65)	15	Ball	SK6405-7-15 (50 MFD)	Included	Optional
BKU807C		8.1:1	230 VAC (60 Hz)	1000 (4500)	23.6 (600)	1.12 (28.4)	3.4	-4 to 150 (-20 to 65)	15	Ball	192002120 (12.5 MFD)	Included	Optional
BKU021X		2.1:1	115 VAC (60 Hz)	250 (1112)	23.6 (600)	4.3 (109.2)	7	-4 to 150 (-20 to 65)	15	Ball	SK6405-7-15 (50 MFD)	—	Optional
BKU021X		2.1:1	230 VAC (60 Hz)	250 (1112)	23.6 (600)	4.3 (109.2)	3.4	-4 to 150 (-20 to 65)	15	Ball	192002120 (12.5 MFD)	—	Optional
CTR172C	CMLA C	17.2:1	115 VAC (60 Hz)	1500 (6700)	29.5 (750)	0.74 (18.8)	8	-4 to 150 (-20 to 65)	19	Trapezoid	192002122 (90 MFD)	Included	Optional
CTR172C		17.2:1	230 VAC (60 Hz)	1500 (6700)	29.5 (750)	0.74 (18.8)	4	-4 to 150 (-20 to 65)	19	Trapezoid	192002121 (25 MFD)	Included	Optional
CKU140C		14:1	115 VAC (60 Hz)	1500 (6700)	29.5 (750)	1.45 (36.8)	8.3	-4 to 150 (-20 to 65)	17	Ball	192002122 (90 MFD)	Included	Optional
CKU140C		14:1	230 VAC (60 Hz)	1500 (6700)	29.5 (750)	1.45 (36.8)	4.4	-4 to 150 (-20 to 65)	17	Ball	192002121 (25 MFD)	Included	Optional
CKU069C		6.9:1	115 VAC (60 Hz)	750 (3336)	29.5 (750)	2.9 (73.7)	8.3	-4 to 150 (-20 to 65)	17	Ball	192002122 (90 MFD)	Included	Optional
CKU069C		6.9:1	230 VAC (60 Hz)	750 (3336)	29.5 (750)	2.9 (73.7)	4.4	-4 to 150 (-20 to 65)	17	Ball	192002121 (25 MFD)	Included	Optional

* The correct capacitor rating should be used for each model or the cylinder will not perform as rated. Capacitor sold separately.

Note: Order Hard Start Kit 192036494 for applications where high starting torque is required (low temperature, high starting load)

Part numbers and product specifications for CMLA-D continued on next page »

CATALOG NUMBER CONFIGURATION KEY - CMLA-D



Available Options		Series
		CMLA-D
POT	Potentiometer Only	Optional
PCB	Limit Switches and Brake	Optional
XXX	No Additional Options	—

Example:

DKU110C-230B-150-POT = CMLA-D, 230/460 VAC, Brake, 150 mm stroke, Potentiometer

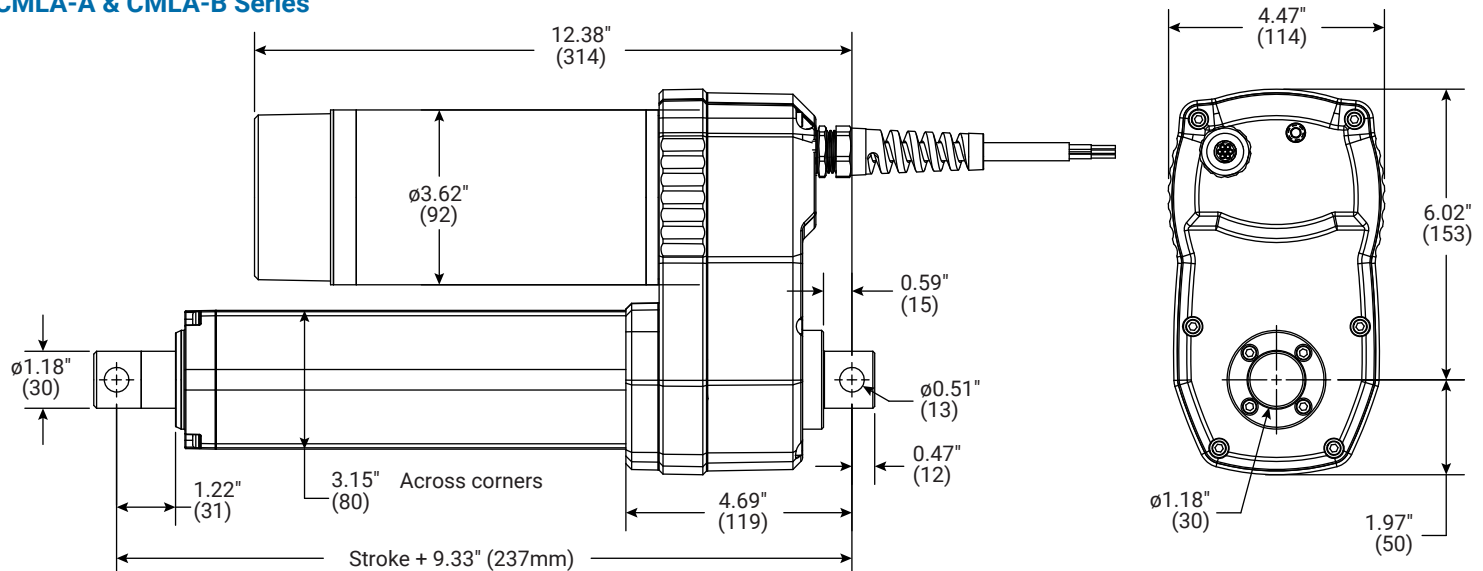
PART NUMBERS and PRODUCT SPECIFICATIONS - CMLA-D

Part Number	Series	Gear Ratio	Voltage	Dynamic Rated Load	Max Stroke Length	Speed at Rated Load	Current Draw at Rated Load	Temp. Range	Duty Cycle at Rated Load	Screw Type	Clutch	Limit Switches
#			VAC (hz)	lbs (N)	in (mm)	in/s (mm/s)	A	°F (°C)	%	Type		
DKU110C	CMLA D	11:1	230/460 VAC (60 Hz) Three-Phase	2000 (8900)	29.5 (750)	2.0 (50.8)	3.5	-4 to 150 (-20 to 65)	55	Ball	Included	Optional
DKU110C		11:1	230/460 VAC (60 Hz) Three-Phase	2000 (8900)	29.5 (750)	2.0 (50.8)	1.7	-4 to 150 (-20 to 65)	55	Ball	Included	Optional
DKU054C		5.4:1	230/460 VAC (60 Hz) Three-Phase	1000 (4500)	29.5 (750)	3.9 (101.3)	3.5	-4 to 150 (-20 to 65)	57	Ball	Included	Optional
DKU054C		5.4:1	230/460 VAC (60 Hz) Three-Phase	1000 (4500)	29.5 (750)	3.9 (101.3)	1.7	-4 to 150 (-20 to 65)	57	Ball	Included	Optional
DKU027C		2.7:1	230/460 VAC (60 Hz) Three-Phase	500 (2200)	29.5 (750)	8.0 (203.2)	3.5	-4 to 150 (-20 to 65)	55	Ball	Included	Optional
DKU027C		2.7:1	230/460 VAC (60 Hz) Three-Phase	500 (2200)	29.5 (750)	8.0 (203.2)	1.7	-4 to 150 (-20 to 65)	55	Ball	Included	Optional

Note: Order Hard Start Kit 192036494 for applications where high starting torque is required (low temperature, high starting load)

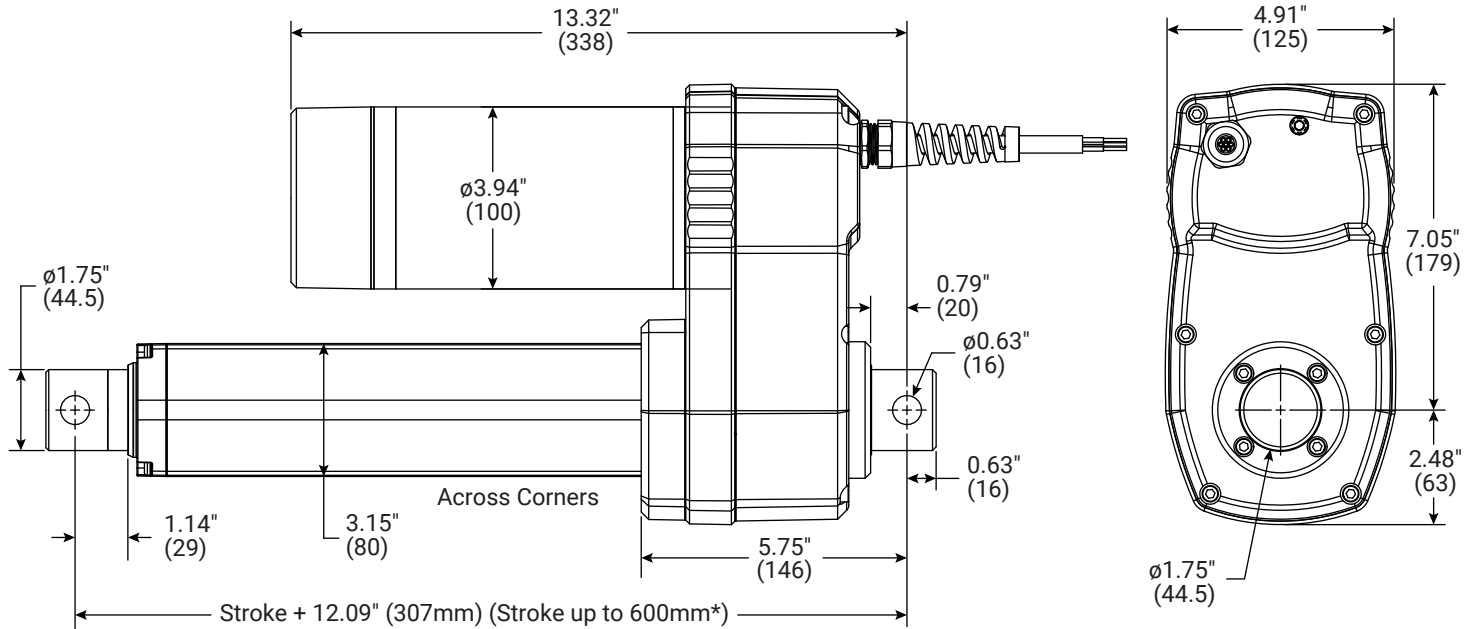
DIMENSIONAL DRAWINGS

CMLA-A & CMLA-B Series



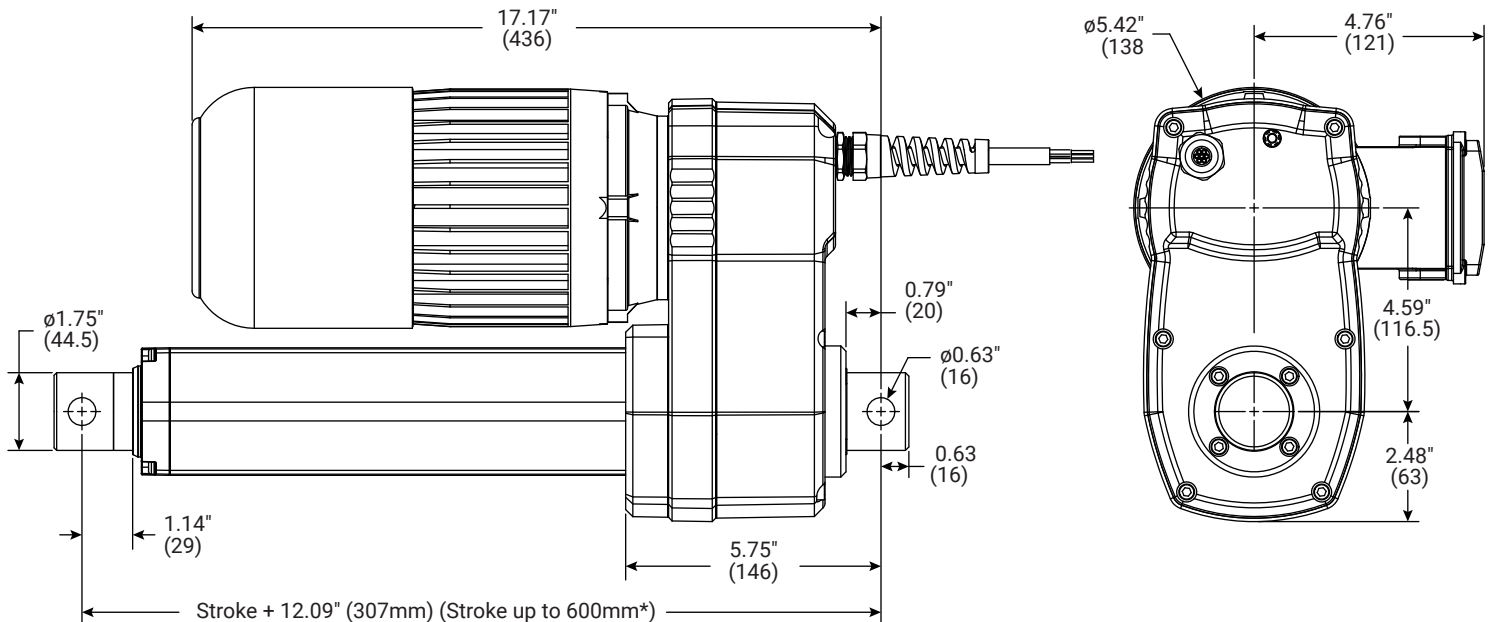
DIMENSIONAL DRAWINGS - continued

CMLA-C Series



*- Pin-to-pin dimension for 750mm stroke = 47.5" (1207mm)

CMLA-D Series



* - 750mm stroke pin-to-pin dimension = 47.5" (1207 mm)