

3636 Dayton Park Drive Dayton, OH 45414 USA Tel: 937-233-8792 Fax: 937-233-8485

Commercial Actuator Specifications

Date: March 21, 2008

Customer: Solar

Customer P/N:

Standard Features:

Type: Linear

**Voltage: 12vdc, 24vdc, 36vdc **Amperage: 24a, 16a, 10a

Gear Ratio: 58:1 **Clutch/Torque:** none

Sensor/Resolution: Reed / 20 PPI (pulses per inch), 30 PPI, 40 PPI or Potentiometer/1K, 5K or 10K

Limits Switches: Standard button type

Screw Type: 3/4-5 Ball Screw

Stroke: To Suit (4" to 66")

Tube Mounting: Long Heavy Duty Clamp **End Mount:** Standard 3/4" swivel

Drop In: Adjustable

Mounting Hardware: 1/2" or 3/4" Mounting Bolt Kit

**Speed: .3 IPS (inches per second)

Rated Static Load: 8000 pounds Rated Dynamic Load: 4000 pounds

Warranty: Negotiable - Standard 2 yr manufacturer defect, product only - repair or replace

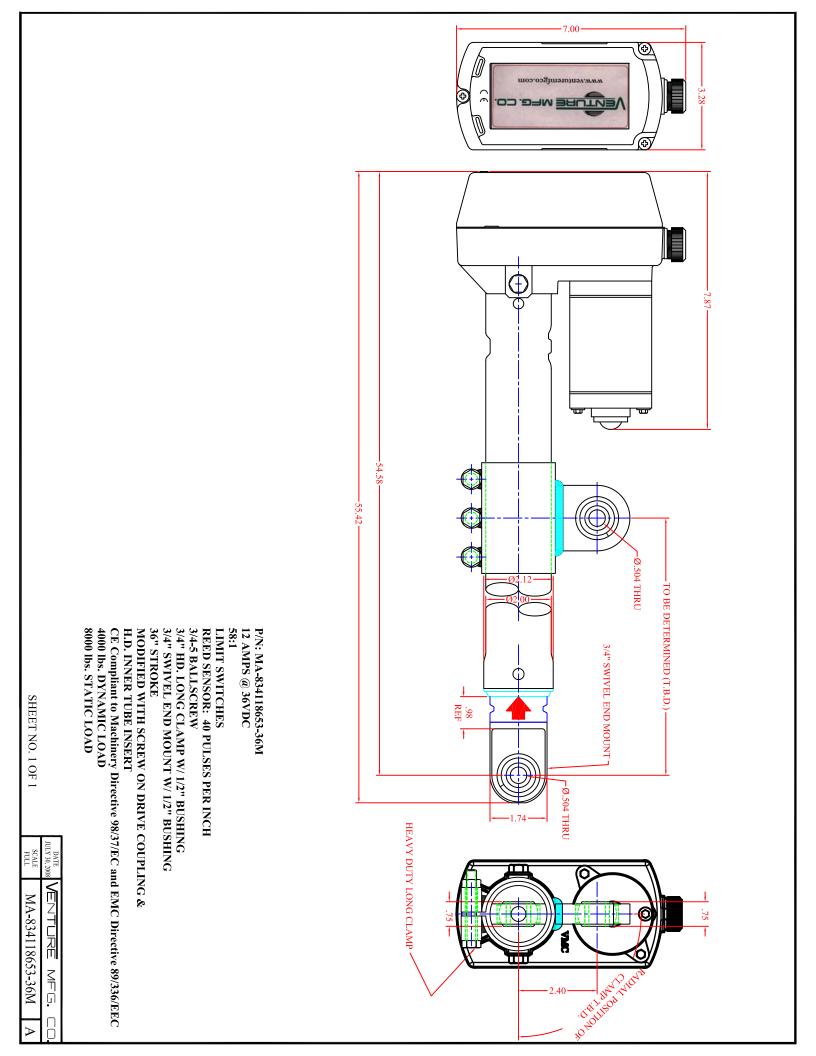
** Note: These specifications given at rated load

Packaging: Individual or Bulk packaged - maximum 50 pcs per skid.

Options:

- 1. Clamp attached and located linearly and radially per customer request.
- 2. Pigtail and connectors per customer request.
- 3. Special tube settings per customer request.
- 4. Motor Boot
- 5. Tube Boot
- 6. Standard Heavy Duty Clamp
- 7. External Ground Strap

Labeling: Standard Serialized Venture labeling or Private labeling to suit





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Standard Features:

Type: Linear

**Voltage: 12vdc, 24vdc, 36vdc **Amperage: 16a, 12a, 8a

Gear Ratio: 58:1 **Clutch/Torque:** none

Sensor/Resolution: Reed / 32 PPI (pulses per inch), 48 PPI, 64 PPI or Potentiometer/1K, 5K or 10K

Screw Type: Standard button type
Screw Type: Acme w/Bronze Nut
Stroke: To Suit (4" to 66")

Stroke: 10 Suit (4 to 00)

Tube Mounting: Standard Heavy Duty Clamp

End Mount: Standard 3/4" swivel

Drop In: Adjustable

Mounting Hardware: 1/2" or 3/4" Mounting Bolt Kit

**Speed: .2 IPS (inches per second)

Rated Static Load: 6000 pounds Rated Dynamic Load: 1500 pounds

Warranty: Negotiable - Standard 2 yr manufacturer defect, product only - repair or replace

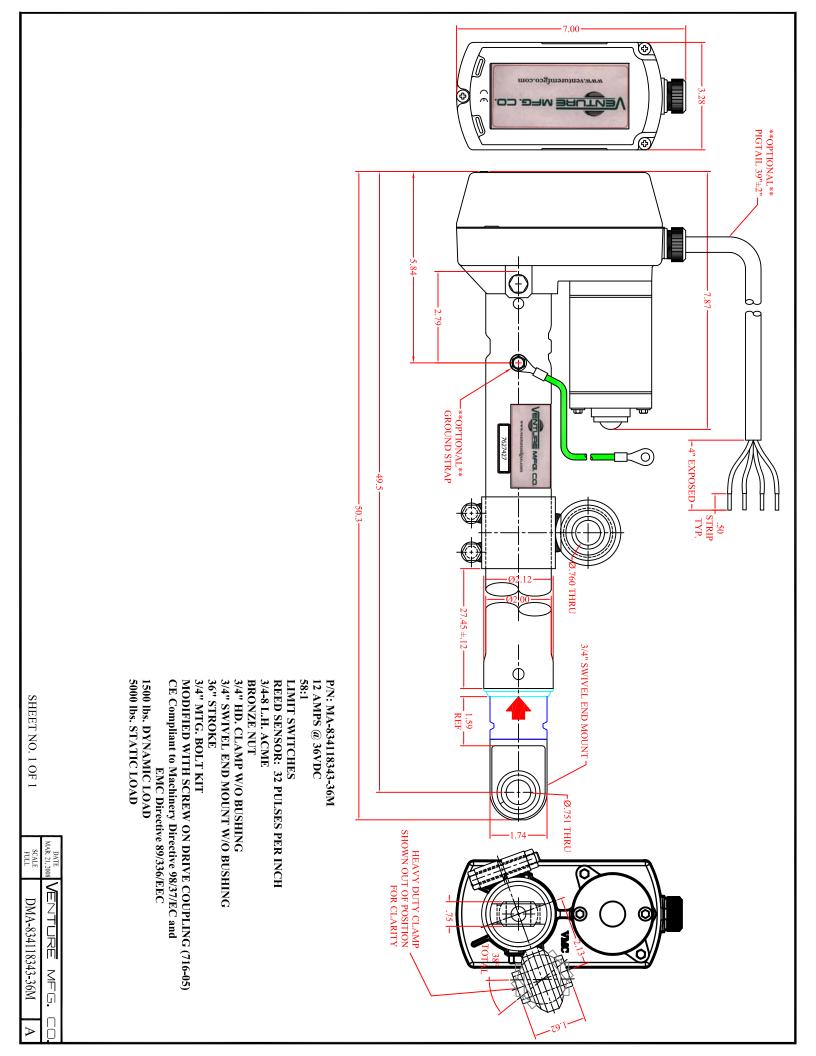
** Note: These specifications given at rated load

Packaging: Individual or Bulk packaged - maximum 50 pcs per skid.

Options:

- 1. Clamp attached and located linearly and radially per customer request.
- 2. Pigtail and connectors per customer request.
- 3. Special tube settings per customer request.
- 4. Motor Boot
- 5. Tube Boot
- 6. Extra Long Heavy Duty Clamp
- 7. External Ground Strap

Labeling: Standard Serialized Venture labeling or Private labeling to suit





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Customer P/N:

Standard Features:

Type: Linear

**Voltage: 12vdc, 24vdc, 36vdc **Amperage: 12a, 8a, 5a

Gear Ratio: 58:1 **Clutch/Torque:** none

Sensor/Resolution: Reed / 20 PPI (pulses per inch), 30 PPI, 40 PPI or Potentiometer/1K, 5K or 10K

Limits Switches: Standard button type

Screw Type: 5/8-5 Ball Screw
Stroke: To Suit (4" to 66")

Tube Mounting: Standard Heavy Duty Clamp

End Mount: Standard 3/4" swivel

Drop In: Adjustable

Mounting Hardware: 1/2" or 3/4" Mounting Bolt Kit

**Speed: .3 IPS (inches per second)

Rated Static Load: 3000 pounds Rated Dynamic Load: 1500 pounds

Warranty: Negotiable - Standard 2 yr manufacturer defect, product only - repair or replace

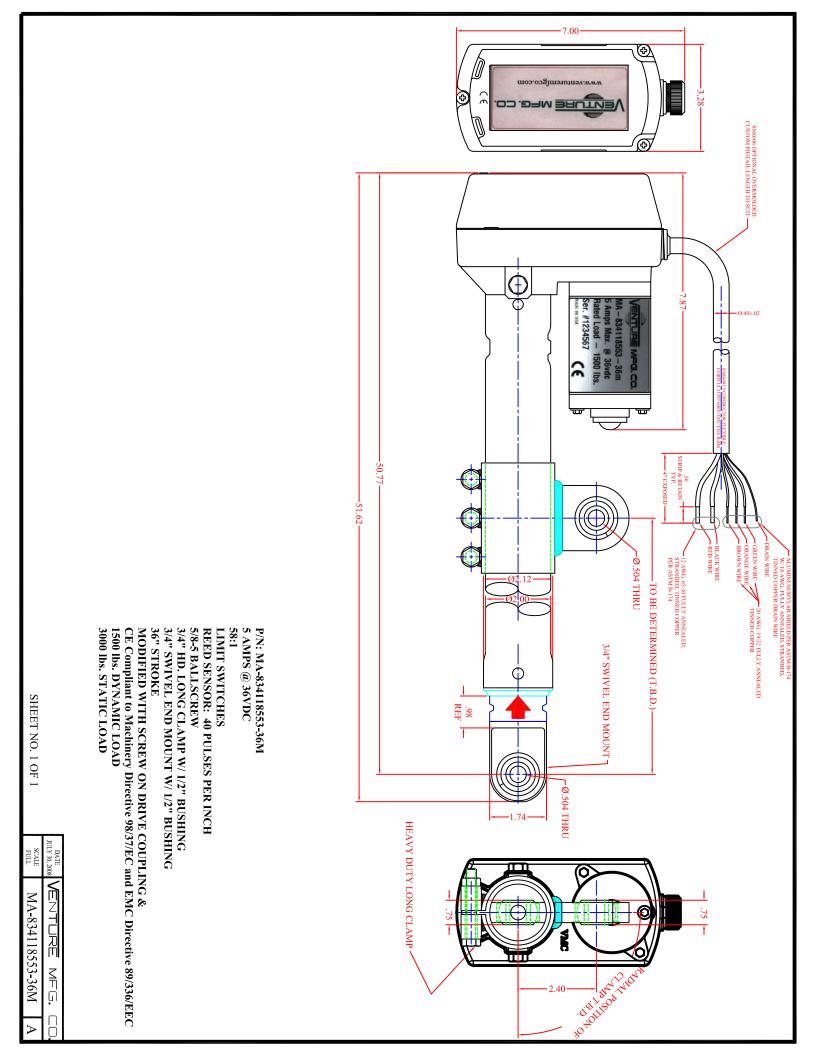
** Note: These specifications given at rated load

Packaging: Individual or Bulk packaged - maximum 50 pcs per skid.

Options:

- 1. Clamp attached and located linearly and radially per customer request.
- 2. Pigtail and connectors per customer request.
- 3. Special tube settings per customer request.
- 4. Motor Boot
- 5. Tube Boot
- 6. Extra Long Heavy Duty Clamp
- 7. External Ground Strap

Labeling: Standard Serialized Venture labeling or Private labeling to suit

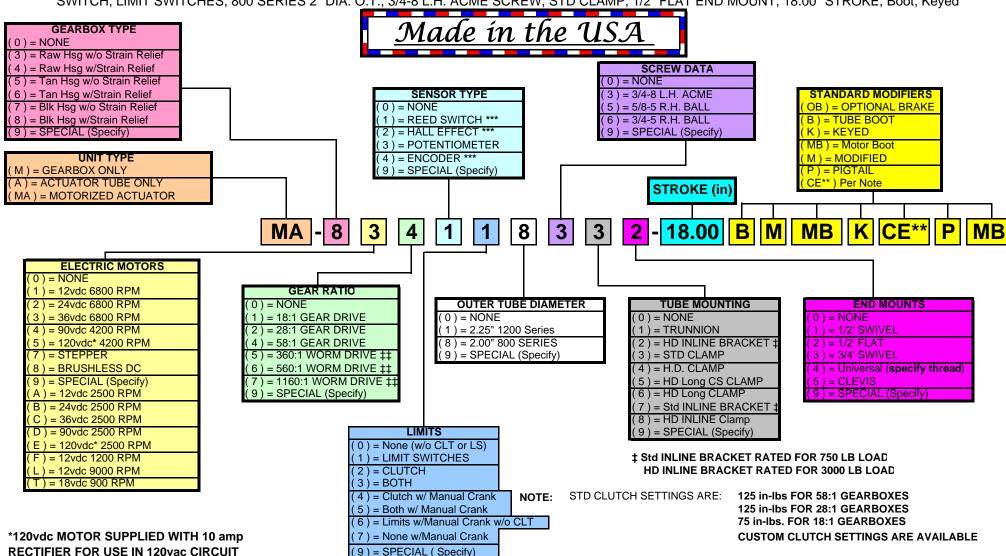


BCJ001

COMMERCIAL ACTUATOR PRODUCTS LITERAL/NUMERIC PART No. CODE SYSTEM

Rev: 16-Feb-09 prt dte: 2/16/09

EXAMPLE: ITEM NO. MA-834118332-18.00BK = MOTORIZED ACTUATOR WITH A BLACK GEARBOX, 36VDC 6800 RPM MOTOR, 58:1 RATIO, REED SWITCH, LIMIT SWITCHES, 800 SERIES 2" DIA. O.T., 3/4-8 L.H. ACME SCREW, STD CLAMP, 1/2" FLAT END MOUNT, 18.00" STROKE, Boot, Keyed



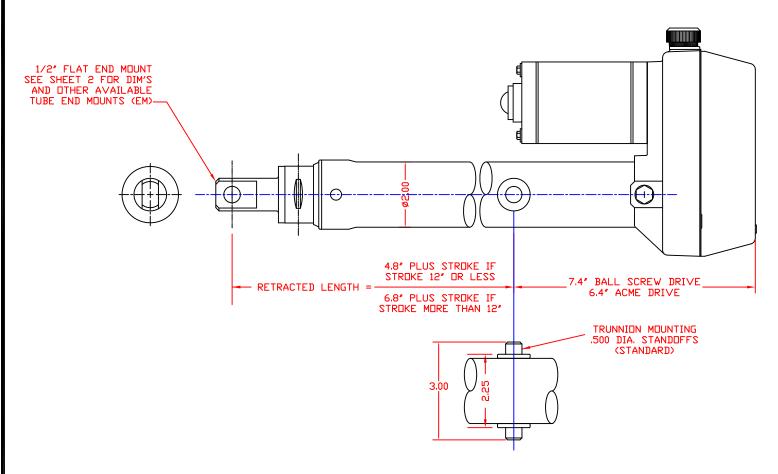
^{**} CE Certification available on 12v, 24v & 36v models only and comply with;
Machinery Directive: EN60204-1: 2006 and EMC: EN55014-1: 2006, EN 61000-6-4: 2007

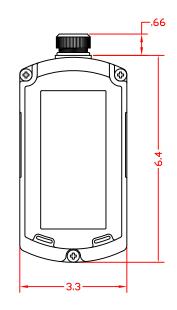
*** SPECIFY DESIRED PPR (Pulses Per Revolution) or PPI (Pulses Per Inch)

NOTE: STD U.O.S.

ACME SCREWS (A) ARE LEFT HAND (L.H.) PITCH BALL SCREWS (B) ARE RIGHT HAND (R.H.) PITCI

‡‡ These ratios are achieved by combining the 8500 gearbox with the 890 series 20:1 worm drive gearbox.





CUSTOM STROKES AVAILABLE UPON REQUEST

	PERFORMANCE DATA (BALL SCREW)						PERFORMANCE DATA (ACME)					
GBX RATIO	RATED LOAD lbs.	AMPERAGE DRAW @ RATED LOAD					RATED	AMPERAGE DRAW @ RATED LOAD				
		12 vdc	24 vdc	36 vdc	90 vdc	120 vac	LOAD lbs.	12 vdc	24 vdc	36 vdc	90 vdc	120 vac
18:1	750	20	12	8	1.8	1.6	500	17	10	7.5	1.7	1.11
INCHES/SEC.		.9	.9	1.1	.7	.6	IPS	.6	.6	.7	.4	.4
28:1	1500	24	16	10	4	2	750	17	10	7.5	1.8	1.0
INCHES/SEC.		.6	.6	.8	.5	.4	IPS	.35	.35	.4	.25	.25
58:1	1500	12	8	5	1.6	.9	750	9	6	4.5	1.2	.8
INCHES/SEC.		.3	.3	.4	.25	.23	IPS	.2	.2	.25	.15	.15

ACTUATOR PERFORMANCE AND SELECTION DATA

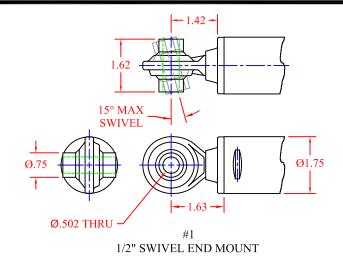
SEE SHEET NO. 2 FOR END MOUNT OPTIONS. SEE SHEET NO. 3 & 4 FOR MOUNTING OPTIONS SEE SHEET NO. 5 & 6 FOR TRUNNION & TRUNNION BRACKET DETAILS

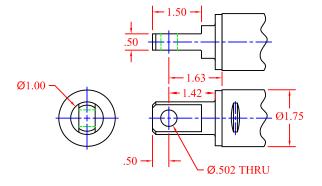
SEE BCJ001 FOR PART NO.

SHEET NO. 1

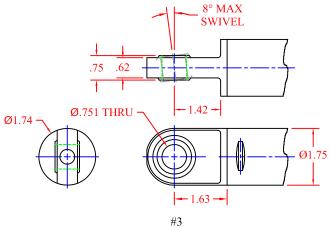


3636 DAYTON PARK DRIVE
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TEL: (937)233-6832
FAX: (937)233-8485
WEB PAGE: www.venturemfgco.com

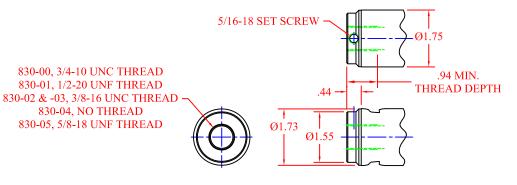




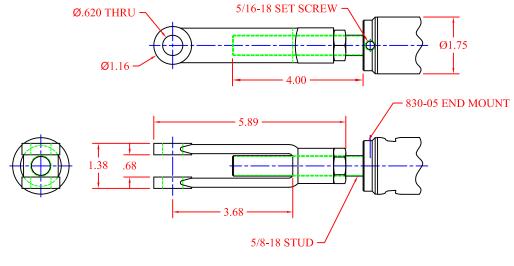
#2 1/2" FLAT END MOUNT



#3 3/4" SWIVEL END MOUNT



UNIVERSAL END MOUNT (SPECIFY DESIRED THREAD)



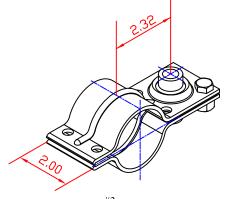
#5 CLEVIS END MOUNT

ACTUATOR TUBE END MOUNTING OPTIONS

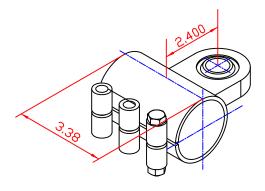


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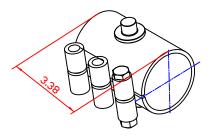
SHEET NO. 2



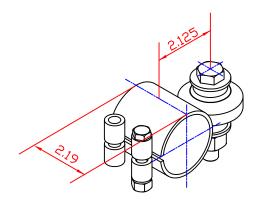
#3 STANDARD CLAMP FOR 1/2" BOLT (818-20)



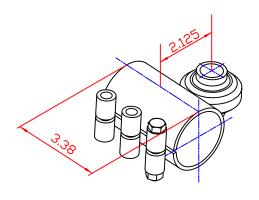
#5 HD LONG CS CLAMP FOR 3/4" BOLT (818-51CS)



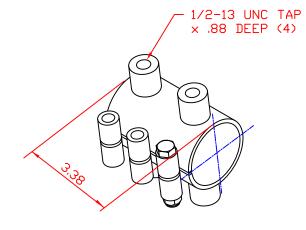
TRUNNION CLAMP FOR 1/2" TRUNNIONS (818-55)



#4
HEAVY DUTY CLAMP
FOR 3/4" BOLT (818-50)



#6 HEAVY DUTY LONG CLAMP FOR 3/4" BOLT (818-51)



#8 HD IN-LINE CLAMP FOR 1/2" BOLT (818-52)

2" DIA. TUBE MOUNTING OPTIONS

NOTE: EACH SUPPLIED WITH ALL MOUNTING HARDWARE



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SHEET NO. 3

