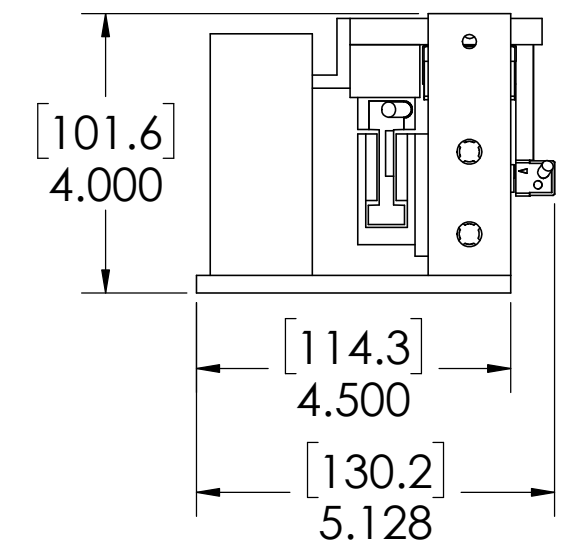
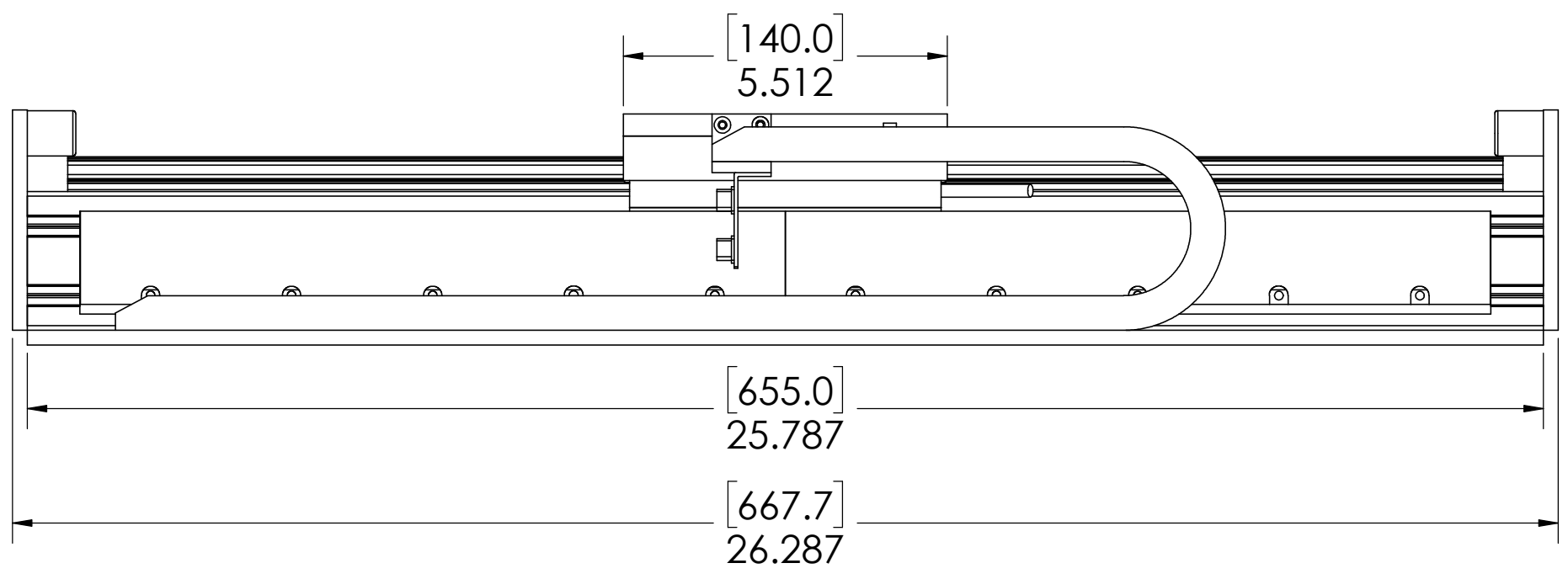
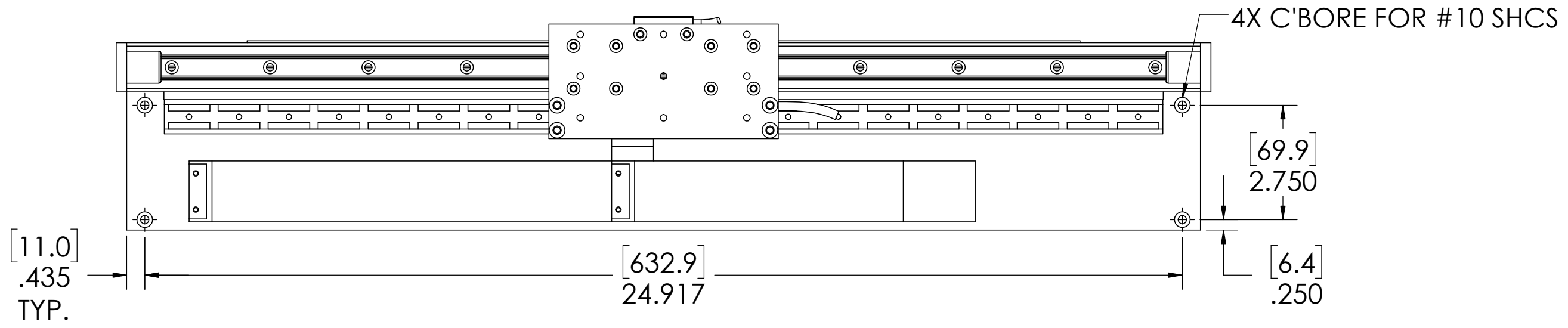
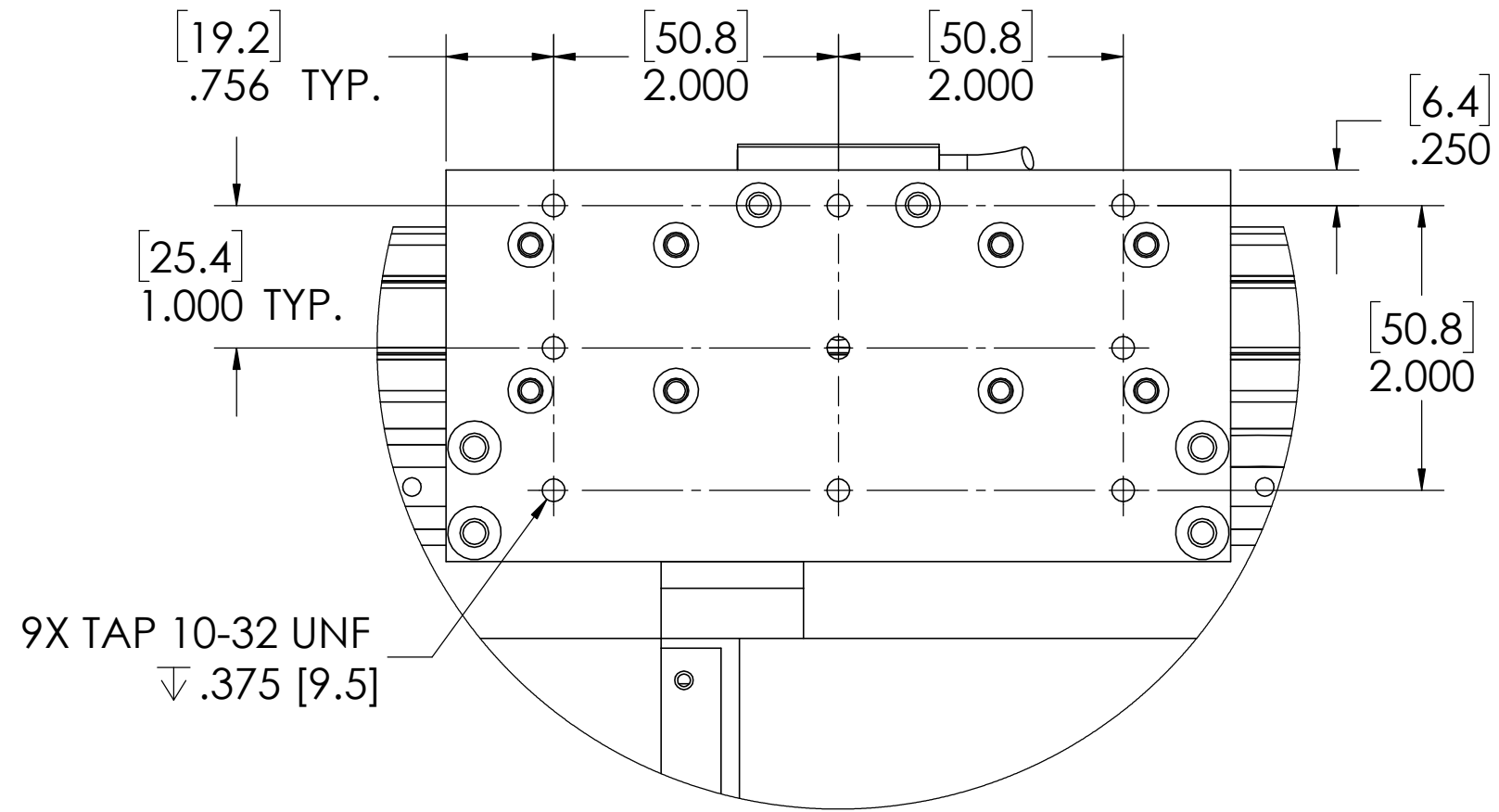
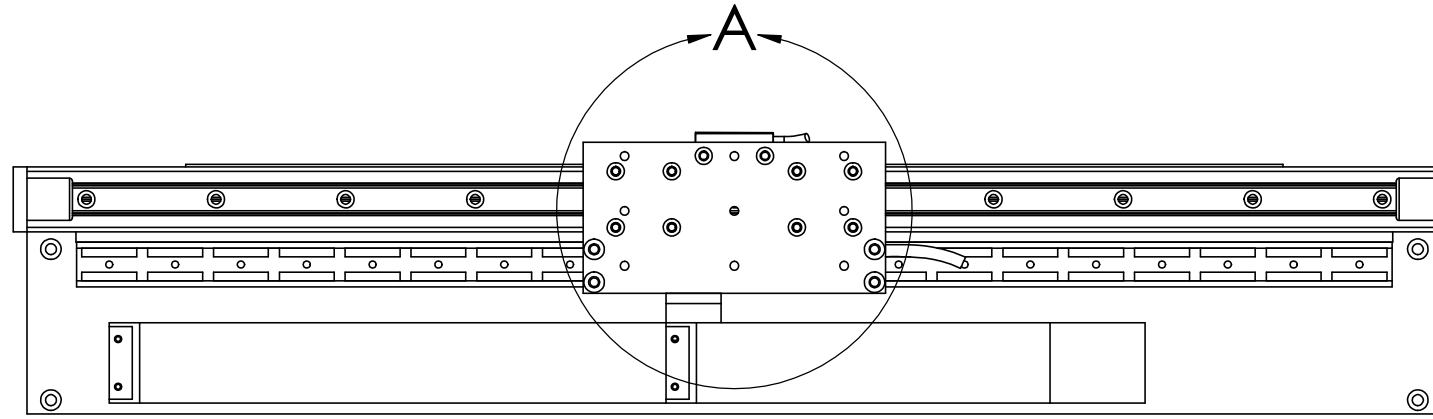


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
--	--	Original Drawing	OOG	MPW	3-15-17



# PAYLOAD MOUNTING FEATURES



DETAIL A  
SCALE 1 : 1.25



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UNLESS SPECIFIED OTHERWISE:  
 All dimensions are in inches  
 Standard Tolerances are as follows  
 .XXX ±.005 ANGLES ±.1°  
 .XX ±.010 FILLETS .010  
 .X ±.020 CORNERS .010  
 Remove All Burrs and Sharp Edges

**FOR  
 REFERENCE  
 ONLY**

MATERIAL

FINISH

TITLE

Single Rail Positioning Stage Model #:  
**SRS-018-05-013-01-EX**

DWG #

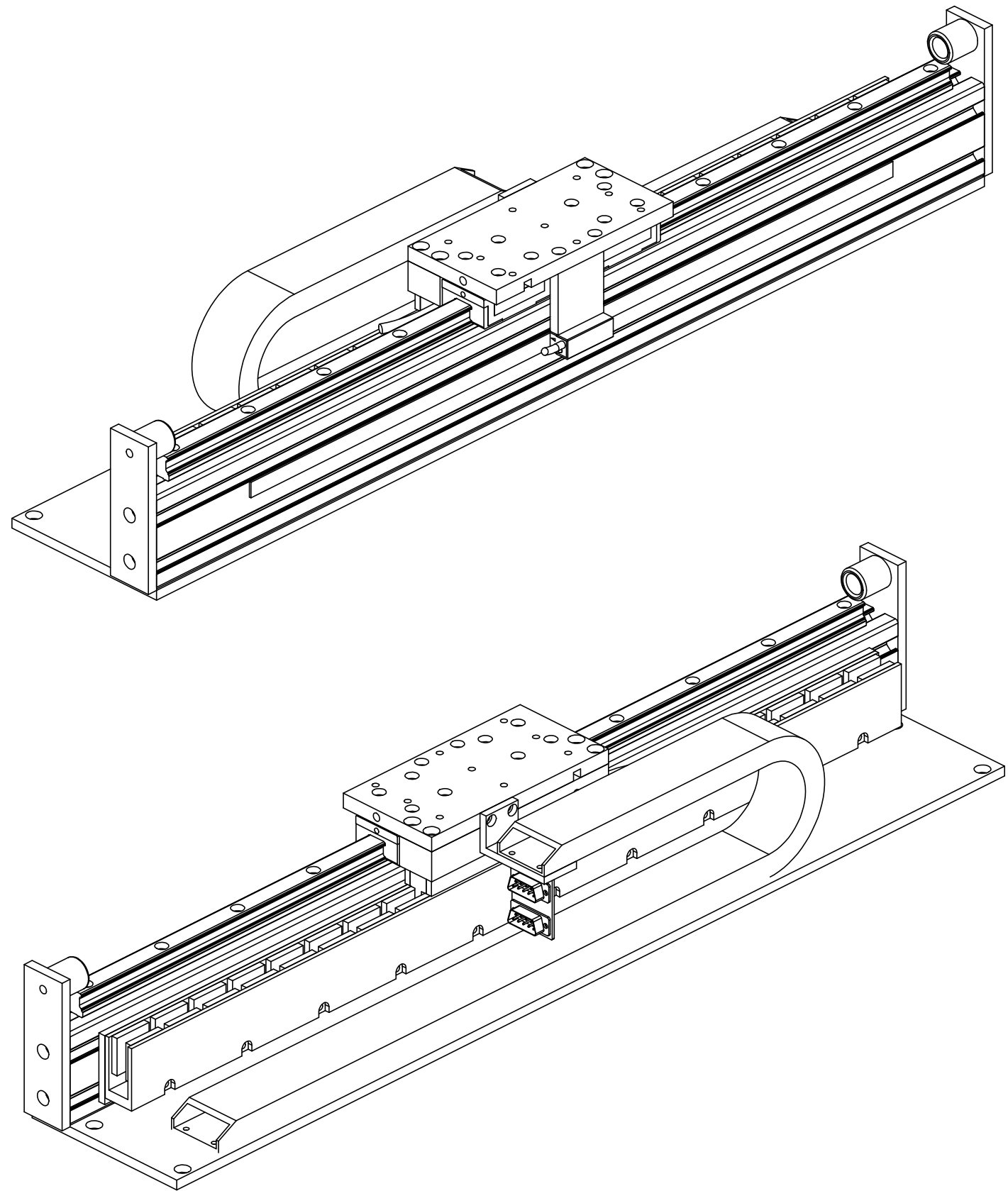
**40-0354**

REV

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DATE  
 3-15-17

SHEET  
 2 of 3



SINGLE RAIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	BLDM-B04	
Stroke	18.6 in	472.4 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	2.75 lbs	1.25 kg
Total Mass	18.0 lbs	8.1 kg
Resistance @ 20C	6.4 ohms	
Inductance @ 20C	4.0 mH	
Electrical Time Constant	1.0 msec	
Motor Constant	1.17 LBS/SQRT(Watt)	5.2 N/SQRT(Watt)
Force Constant	3.0 LBS/Amp	13.2 N/Amp
Back EMF	0.34 V/ips	13.2 V/m/sec
Force @ 100% Duty	6.2 lbs	27.8 N
Power @ 100% Duty	39.3 watts	
Current @ 100% Duty	2.1 amps	
Force @ 10% Duty	18.7 lbs	83.3 N
Power @ 10% Duty	353.7 watts	
Current @ 10% Duty	6.3 amps	
Stage Length	26.28 in	667.7 mm
Stage Width	5.12 in	130.3 mm
Stage Height	3.92 in	99.5