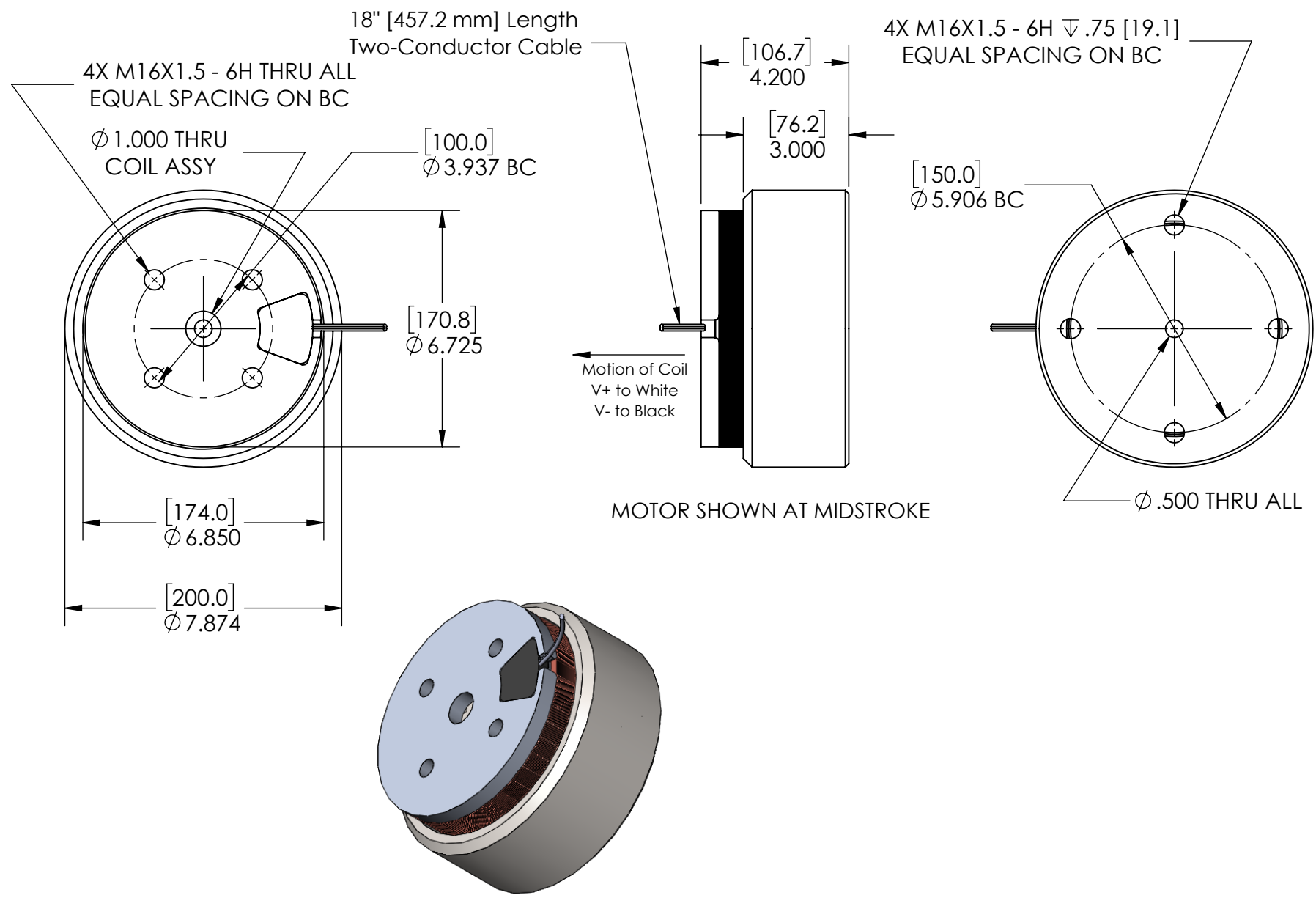


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	JRM	MPW	3-7-19



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NON-COMM ACTUATOR SPECIFICATIONS

Motor P/N	NCC14-78-830-1SM	
Device Type	Moving Coil	
Stroke	1.40 in	35.6 mm
Radial Clearance	0.063 in / side	1.6 mm / side
Bearing Type	None Provided	
Moving Mass (Coil)	4.4 lbs	1.97 kg
Total Mass	39 lbs	17.7 kg
Resistance @ 20C	12.5 ohms	
Inductance @ 20C	9.8 mH	
Electrical Time Constant	0.8 msec	
Motor Constant	6.9 lbs/sqrt(watt)	31 N/sqrt(watt)
Force Constant	24.3 lbs/amp	108 N/amp
Back EMF	2.74 V/ips	108 V/m/s
Force @ 100% Duty	92 lbs	410 N
Power @ 100% Duty	183 watts	
Current @ 100% Duty	3.8 amps	
Force @ 10% Duty	294 lbs	1300 N
Power @ 10% Duty	1830 watts	
Current @ 10% Duty	12.1 amps	



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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

Voice Coil Actuator Spec Sheet
 NCC14-78-830-1SM

DWG #

30-1471

REV

DATE

3-7-18

SHEET

2 of 2