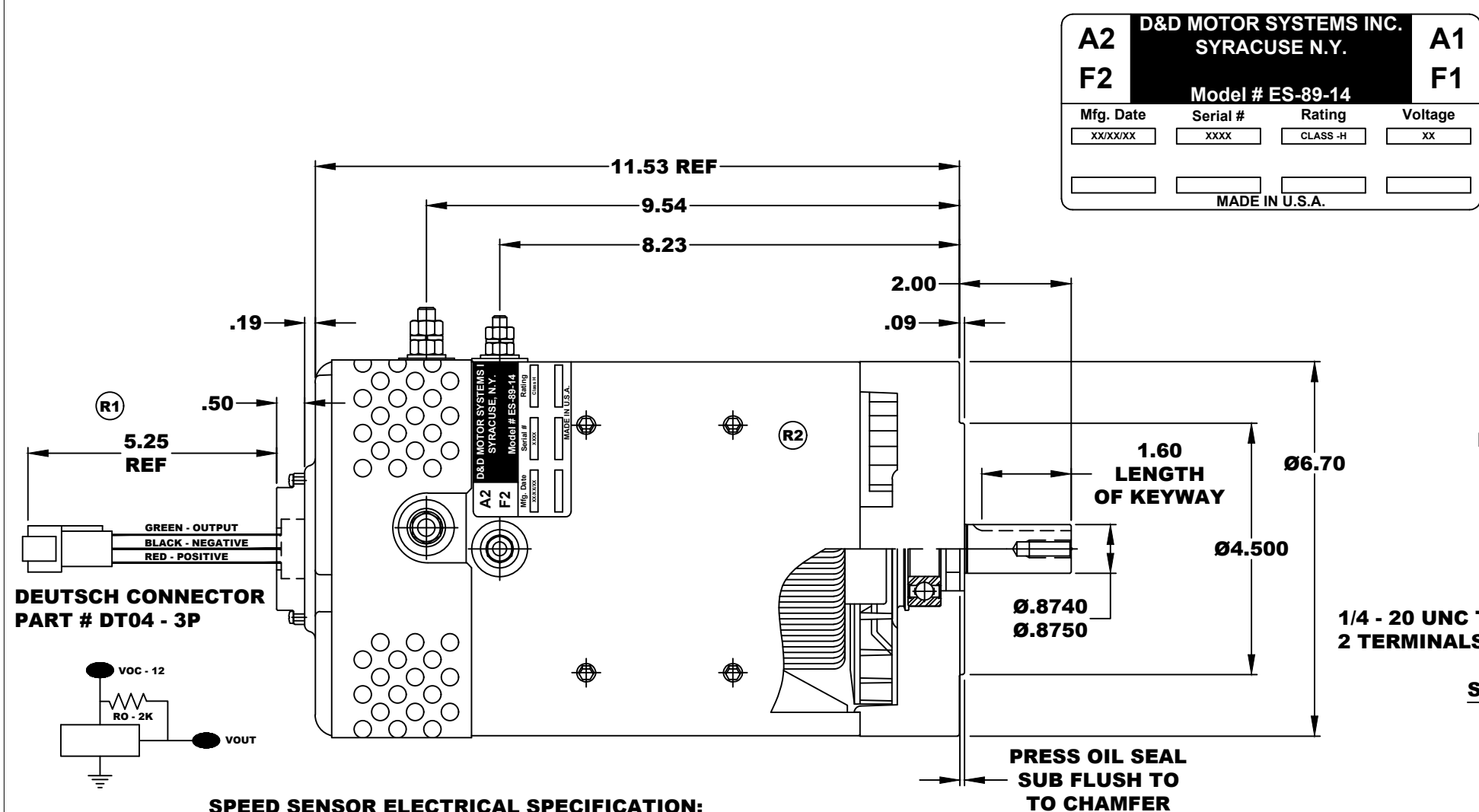
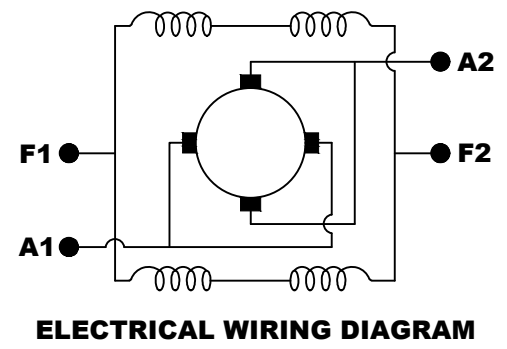




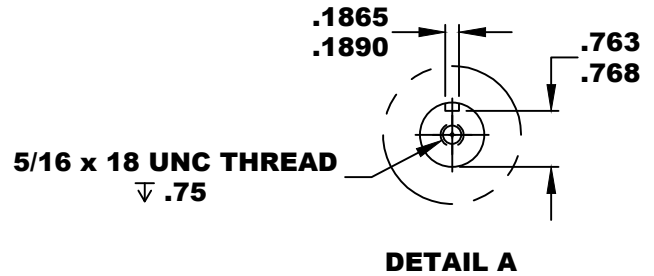
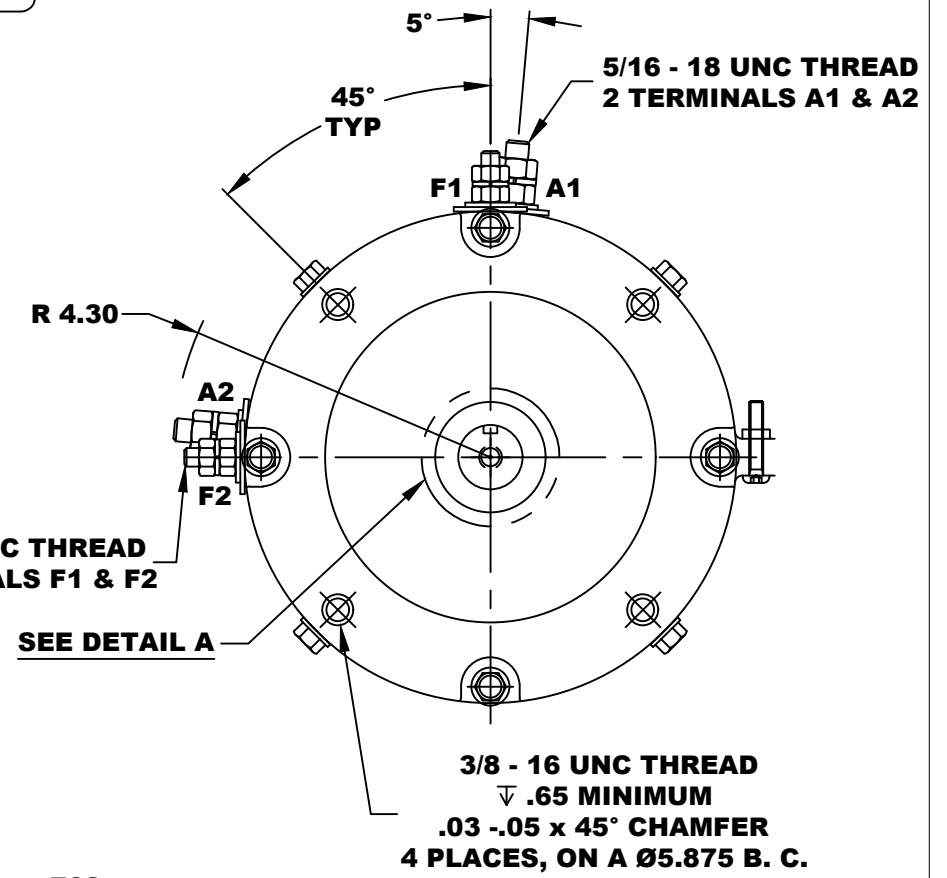
SPEED SENSOR ELECTRICAL SPECIFICATION:
-4.5V TO 24V OPERATING VOLTAGE
-20°C TO 85°C OPERATING TEMPERATURE
-CURRENT SINKING UP TO 25mA
-AN EXTERNAL OUTPUT PULL UP RESISTOR IS REQUIRED
-SENSOR IS DESIGNED TO OPERATE WITH 4 N/S POLEPAIRS
THE OPERATIONAL DISTANCE BETWEEN THE MAGNET
AND THE HOUSING, INCLUDING ANY RUNOUT
SHOULD NOT EXCEED .030 INCHES



MOTOR WIRING CONNECTIONS:
CW ROTATION DRIVE END
CONNECT A1 & F1 TO ONE BATTERY TERMINAL
CONNECT A2 & F2 TO OTHER BATTERY TERMINAL
CCW ROTATION DRIVE END
SWITCH F1 & F2 CONNECTIONS

A2	D&D MOTOR SYSTEMS INC.				A1
F2	SYRACUSE N.Y.				F1
Model # ES-89-14					
Mfg. Date	Serial #	Rating	Voltage		
XX/XX/XX	XXXX	CLASS -H	XX		
MADE IN U.S.A.					

**TORQUE SPECIFICATION FOR
POWER CABLE SECURING TOP NUTS**
5/16-18 UNC (A1 / A2) - 110 IN / LBS MAX
1/4-20 UNC (F1 / F2) - 50 IN / LBS MAX



MOTOR WEIGHT: 57 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 14 / K-254

THIS PRINT IS THE PROPERTY OF D&D MOTOR SYSTEMS INC.	
DO NOT SCALE	
WORK TO DIMENSIONS	
TOLERANCES UNLESS OTHERWISE SPECIFIED ARE AS FOLLOWS	
.XX	.01
.XXX	.005
.XX ROUGH CASTING	.03
HOLES	-.001 / +.006
ANGLES	0°30"

D & D MOTOR SYSTEMS INC				
MOTOR OUTLINE				
SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	5-31-06		ES-89-14	R2
SCALE	STF	DRAWN BY	MJG	REV DATE
				5-17-13