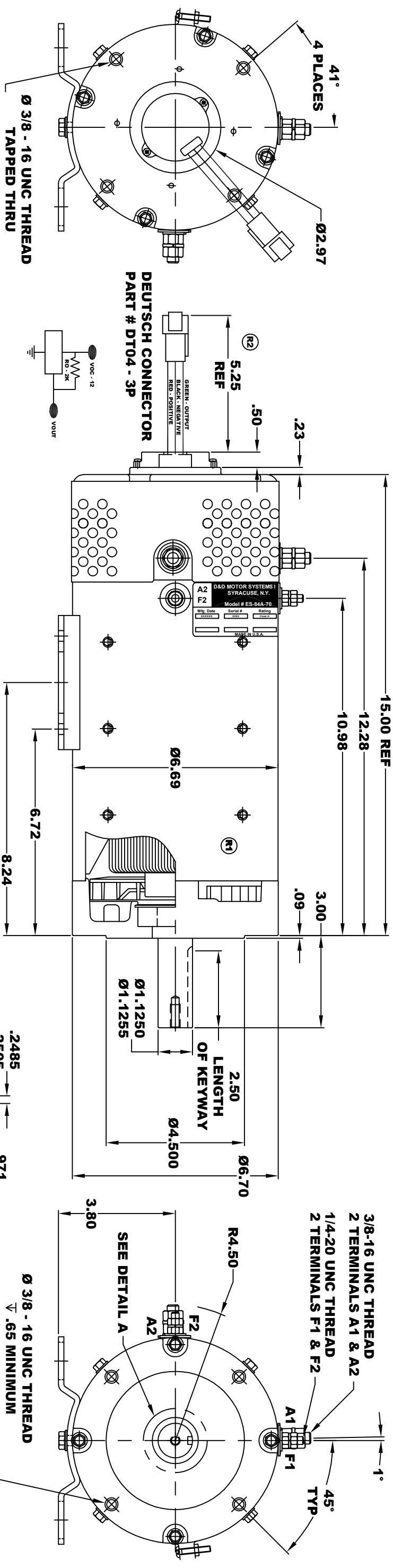


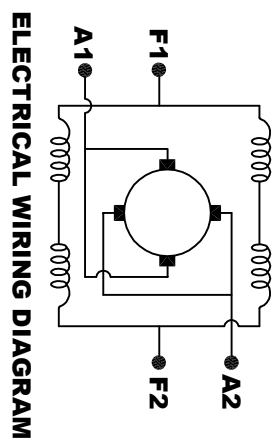
D&D MOTOR SYSTEMS INC.			
A2	SYRACUSE N.Y.		A1
F2	Model # ES-84A-70		F1
Mfg. Date	Serial #	Rating	Voltage
XX/XX/XX	XXXX	CLASS "H"	XX
MADE IN U.S.A.			

**TORQUE SPECIFICATION FOR
POWER CABLE SECURING TOP NUTS**
 3/8-16 UNC (A1 & A2) - 140 IN / LBS MAX
 1/4-20 UNC (F1 & F2) - 50 IN / LBS MAX

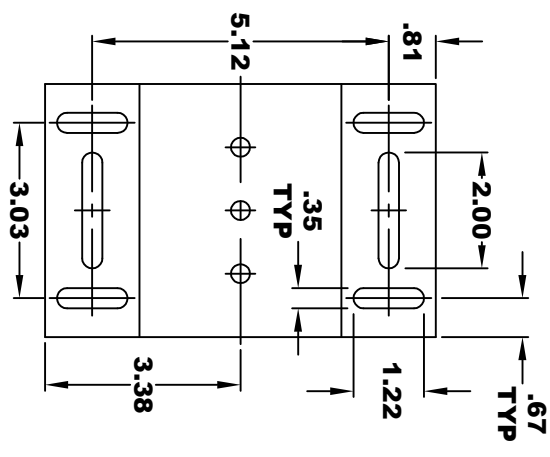


SPEED SENSOR ELECTRICAL SPECIFICATION:

- 4.5V TO 24V OPERATING VOLTAGE
- 20°C TO 85°C OPERATING TEMPERATURE
- CURRENT SINKING UP TO 25mA
- AN EXTERNAL 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



MOTOR WEIGHT: 84 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 70

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	1-23-07		ES-84A-70	R2
SCALE	STF	DRAWN BY	MJG	REV DATE
				11-29-17