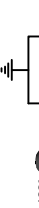
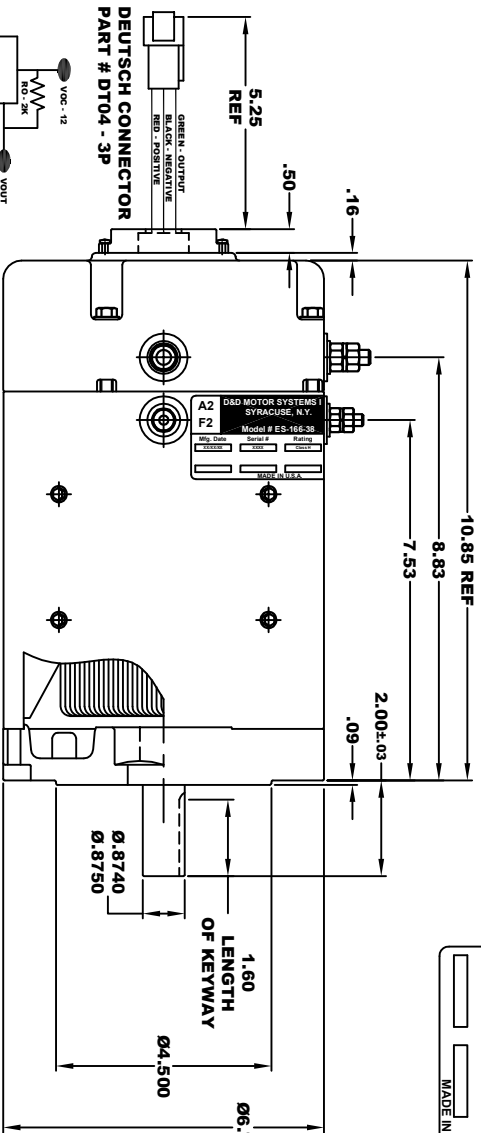


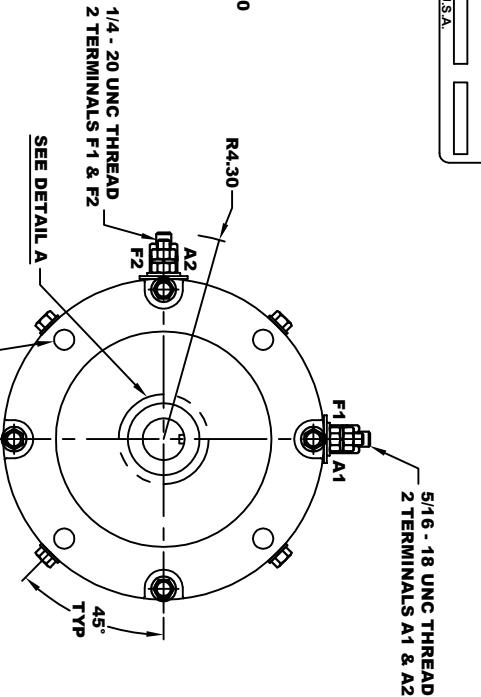
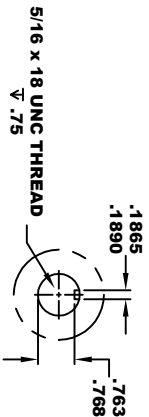
A2		D&D MOTOR SYSTEMS INC.		A1	
F2		SYRACUSE N.Y.		F1	
Model # ES-166-38					
Mfg. Date	Serial #	Rating	Voltage		
XXXXXX	XXXX	CLASSH	24V .40V		
MADE IN U.S.A.					

**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

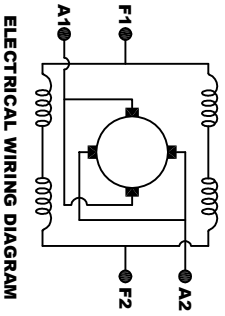


**DEUTSCH CONNECTOR
PART # DT04 - 3P**

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 WEIGHT: 54 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 38



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

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
 .XXX RUGH CASTING _____ .03
 HOLES _____ .001 / +.006
 ANGLES _____ 0°-30°

D & D MOTOR SYSTEMS INC			
MOTOR OUTLINE			
SIZE	DRAWN DATE	RELEASE DATE	DRG NO. / PART NO.
B	12-28-20		ES-166-38
SCALE	DRAWN BY	REV	DATE
STF	MJG		