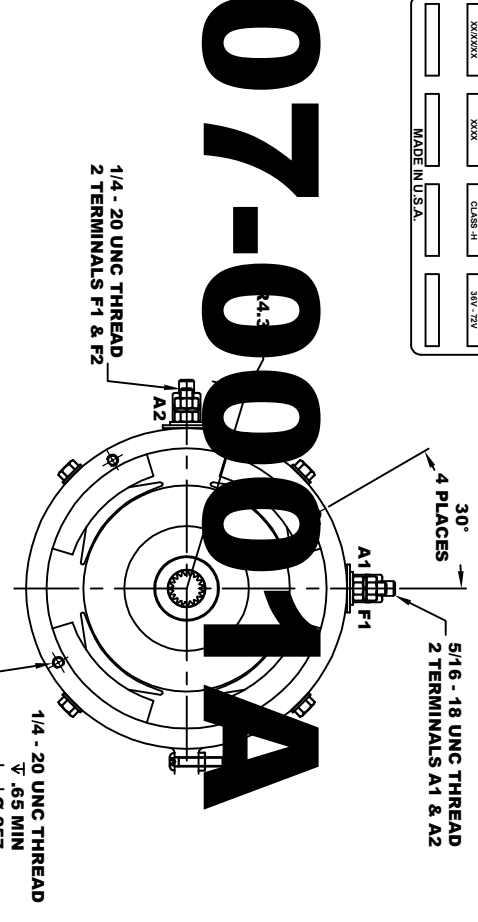


A2	A1
F2	F1
D&D MOTOR SYSTEMS SYRACUSE N.Y.	
Model # 170 - 507 - 0001A	
Mfg Date	Rating
Serial #	CLASS - H
XXXXXX	30V / 2V
XXXX	MADE IN U.S.A.

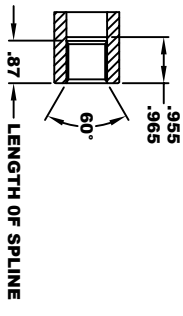


**TORQUE SPECIFICATION FOR
POWER CABLE SECURING TOP NUTS**
5/16-18 UNC (A1 / A2) - 110 IN / LBS MAX
1/4-20 UNC (F1 / F2) - 50 IN / LBS MAX

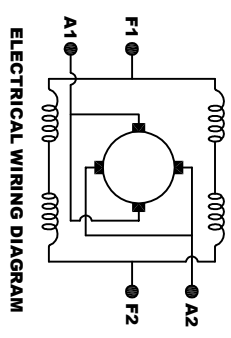
SPEED SENSOR ELECTRICAL SPECIFICATION:
-4.5V TO 24V OPERATING VOLTAGE
-20°C TO 85°C OPERATING TEMPERATURE
-CURRENT SINKING UP TO 25mA
-AN EXTERNAL OUTPUT PULL UP RESISTOR IS REQUIRED
-SENSOR IS DESIGNED TO OPERATE WITH 4 N/S POLEPAIRS
-THE OPERATIONAL DISTANCE BETWEEN THE MAGNET
AND THE HOUSING, INCLUDING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

**INTERNAL INVOLUTE SPLINE SPECIFICATION
CLASS 5 FILLET ROOT SIDE FIT (PER A.N.S.I. B92.1)**

NO. OF TEETH _____ 19
SPLINE PITCH _____ 24 / 48
PRESSURE ANGLE _____ 45°
BASE Ø _____ .5597 REF
PITCH Ø _____ .7916 REF
MAJOR Ø _____ .850 - .859
FORM Ø _____ .835
MINOR Ø _____ .767 - .772
CIRCULAR SPACE WIDTH _____ .0764
EFFECTIVE SPACE WIDTH _____ .0738
MAX. DIMENSION BETWEEN
TWO PINS _____ .6714
PIN Ø _____ .0800
SPLINE HARDNESS TO BE R/C 26-34



**MOTOR WEIGHT: 57 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 47**



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

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
XX _____ .005
XX ROUGH CASTING _____ .03
HOLES _____ .001 / +.006
ANGLES _____ -0.30°

D & D MOTOR SYSTEMS INC				
MOTOR OUTLINE				
SIZE	DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	10-14-08	11-30-09	170 - 507 - 0001A	
SCALE	STF	DRAWN BY	MJG	REV DATE
			ES-63B-47	