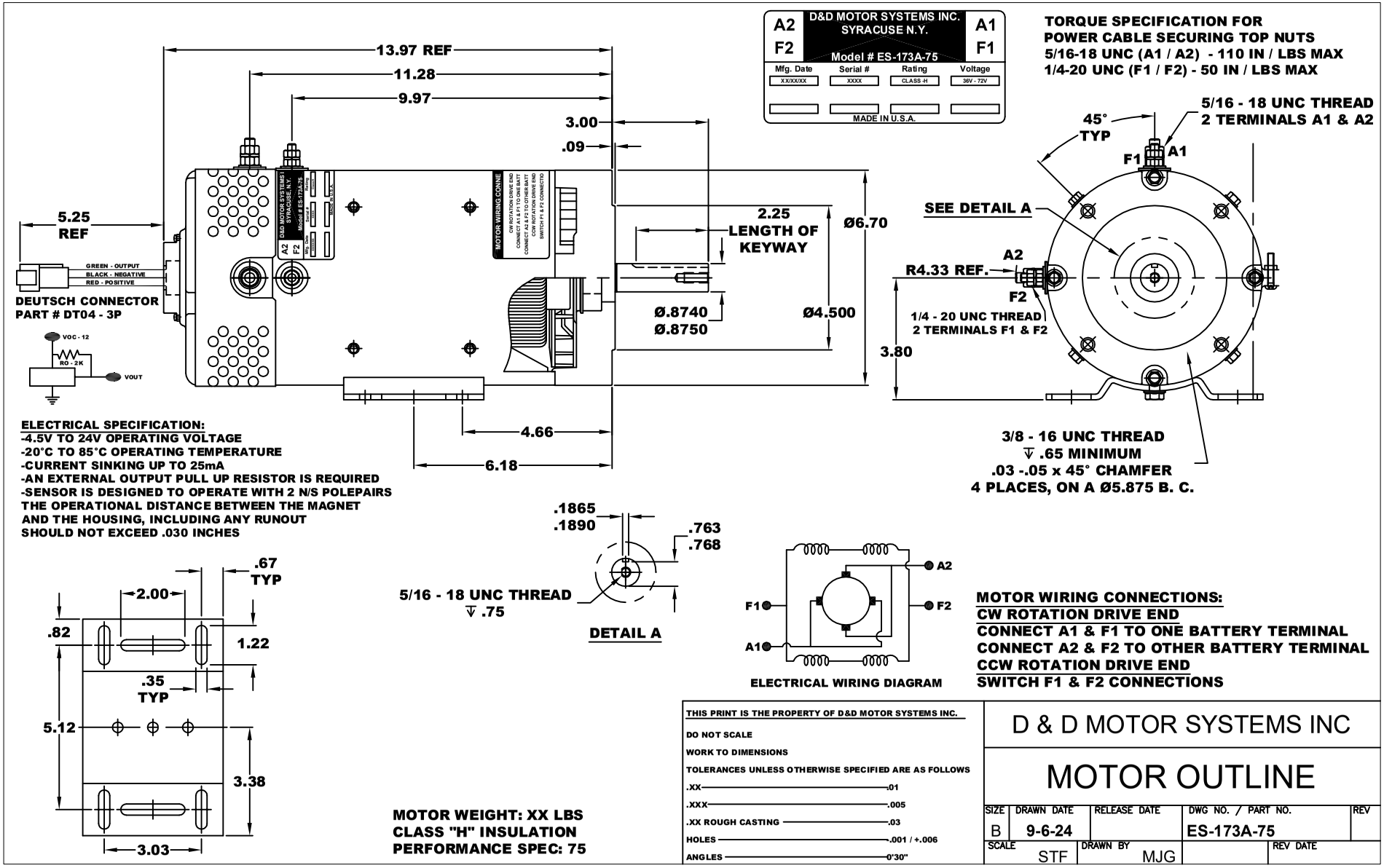
A2
F2
D&D MOTOR SYSTEMS INC.
SYRACUSE N.Y.
A1
F1
Model # ES-173A-75
Mfg. Date
Serial #
Rating
Voltage
XX/XX/XX
XXXX
CLASS -H
36V - 72V
MADE IN U.S.A.
TORQUE SPECIFICATION FOR
POWER CABLE SECURING TOP NUTS
5/16-18 UNC (A1 / A2) - 110 IN / LBS MAX
1/4-20 UNC (F1 / F2) - 50 IN / LBS MAX
13.97 REF
11.28
9.97
3.00
.09
5.25
REF
2.25
LENGTH OF
KEYWAY
Ø6.70
Ø.8740
Ø.8750
Ø4.500
4.66
6.18
GREEN - OUTPUT
BLACK - NEGATIVE
RED - POSITIVE
DEUTSCH CONNECTOR
PART # DT04 - 3P
VOC - 12
RO - 2K
VOUT
5/16 - 18 UNC THREAD
2 TERMINALS A1 & A2
45°
TYP
F1
A1
SEE DETAIL A
A2
R4.33 REF.
F2
1/4 - 20 UNC THREAD
2 TERMINALS F1 & F2
3.80
3/8 - 16 UNC THREAD
↧ .65 MINIMUM
.03 -.05 x 45° CHAMFER
4 PLACES, ON A Ø5.875 B. C.
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 2 N/S POLEPAIRS
THE OPERATIONAL DISTANCE BETWEEN THE MAGNET
AND THE HOUSING, INCLUDING ANY RUNOUT
SHOULD NOT EXCEED .030 INCHES
.67
TYP
2.00
.82
1.22
.35
TYP
5.12
3.38
3.03
.1865
.1890
.763
.768
5/16 - 18 UNC THREAD
↧ .75
DETAIL A
F1
A2
F2
A1
ELECTRICAL WIRING DIAGRAM
MOTOR WEIGHT: XX LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 75
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
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 B
DRAWN DATE 9-6-24
RELEASE DATE
DWG NO. / PART NO. ES-173A-75
REV
SCALE STF
DRAWN BY MJG
REV DATE