



Customer information packet

ECS100T4H10FF4

10HP, 1800RPM, 3PH, 60HZ, 215T, TEFC, TOP

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Phase	3
Agency Approvals	UL
	WEEE
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Design Code	0
Drip Cover	No Drip Cover
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
Inverter Code	Inverter Duty
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.23 IN
Product Family	General Purpose

Part detail

Revision	L
Type	AC
Mech. spec.	37Q460
Base	
Status	PRD/A
Elec. spec.	37WGL009
Layout	37LYQ460
Eff. date	06-16-2025
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	02-05-2020

Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Shaft Diameter	1.375 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed Code	Single Speed
Starting Method	INVERTER SPECIAL
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

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EC-Titanium™

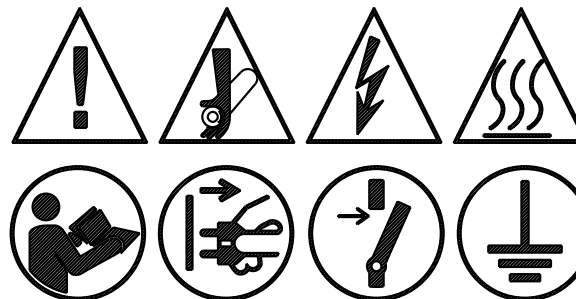
CAT. NO.	ECS100T4H10FF4										
SPEC.	37Q460L009G1								YR	***	
FRAME	215T				ENCL.		TEFC		IP	54	
HP	10		RATING		40C AMB-CONT						
NOM. EFF.	94.8%			PF		93.7%		SF	1.00		
VOLTS	460					FLA		11.0			
RPM	1800				RPM MAX			3000			
HZ	60				PH.		3		CLASS F		
BEMF (V)	231					Rs (Ω)		A			
Ld (mH)	A					Lq (mH)			A		
INV TYP	VPWM		CHP		60		TO 100		HZ		
	CT	6				TO 60 HZ		VT	1		TO 60 HZ
MATCHED INV	EC14A12P0										
BEARING	DE	6307					ODE		6206		
SERIAL#	***										



ELECTRONICALLY PROTECTED MOTOR
FOR INDUSTRIAL USE

ABB MOTORS AND MECHANICAL INC.
5711 R.S. BOREHAM JR. ST., FORT SMITH, AR. MFG IN U.S.A.

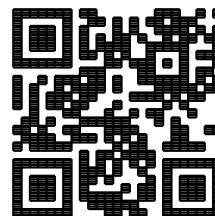
FERRITE ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR
FOR INVERTER USE ONLY



PERMANENT MAGNET MOTOR. WHEN SHAFT IS
ROTATED, VOLTAGE WILL BE GENERATED AT
THE MOTOR TERMINALS.

MOTEUR À AIMANT PERMANENT. LORSQUE
L'ARBRE TOURNE, UNE TENSION SERA
GÉNÉRÉE AUX BORNES DU MOTEUR.

BALDOR-RELIANCE
SHAFT GROUNDING BRUSH INSTALLED



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EC-Titanium™

PART NO. EC14A12P0

U1 480 PH 3 HZ 60

I1 MAX 10.1 W /EXT. CHOKE 9.4

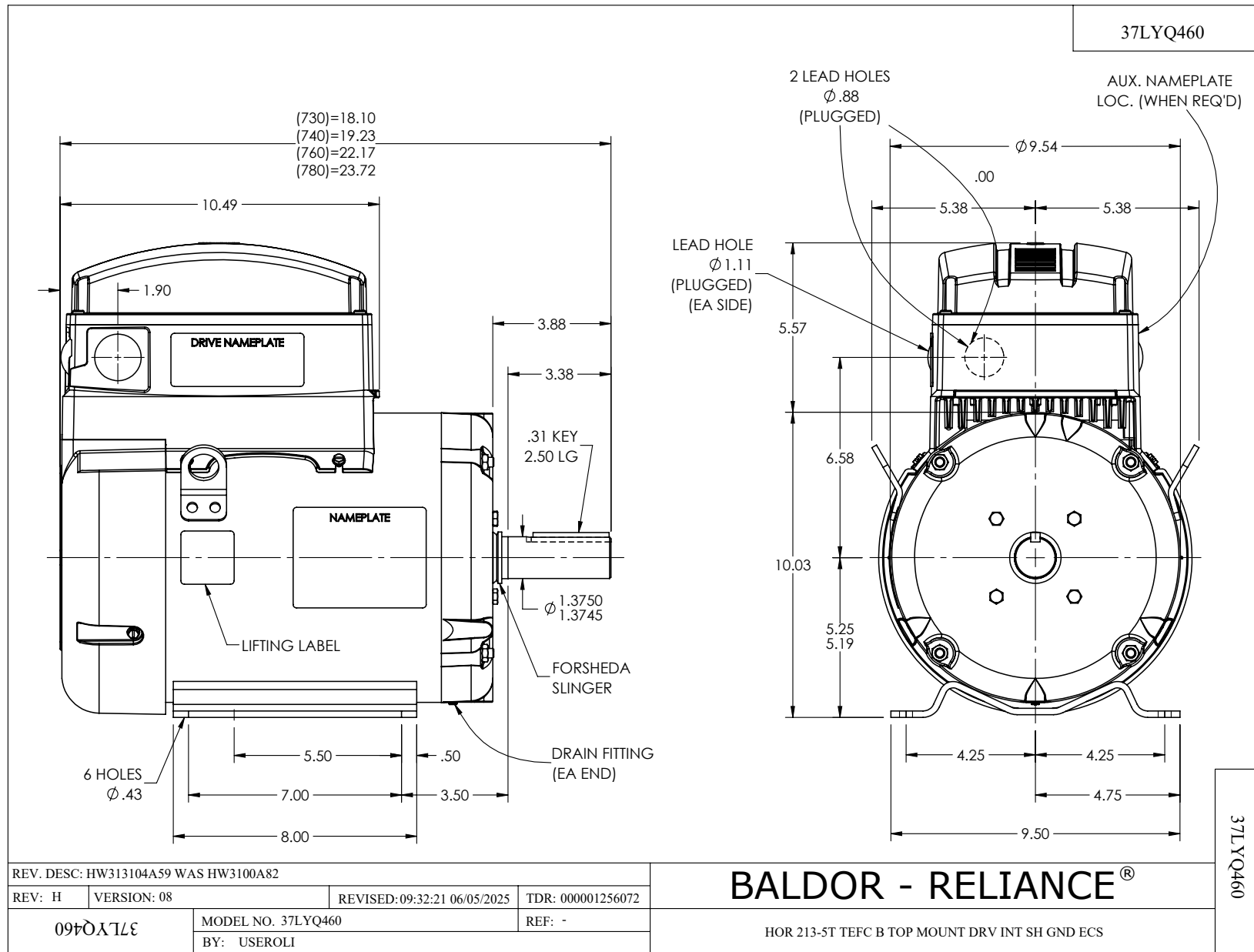
SERIAL # ***

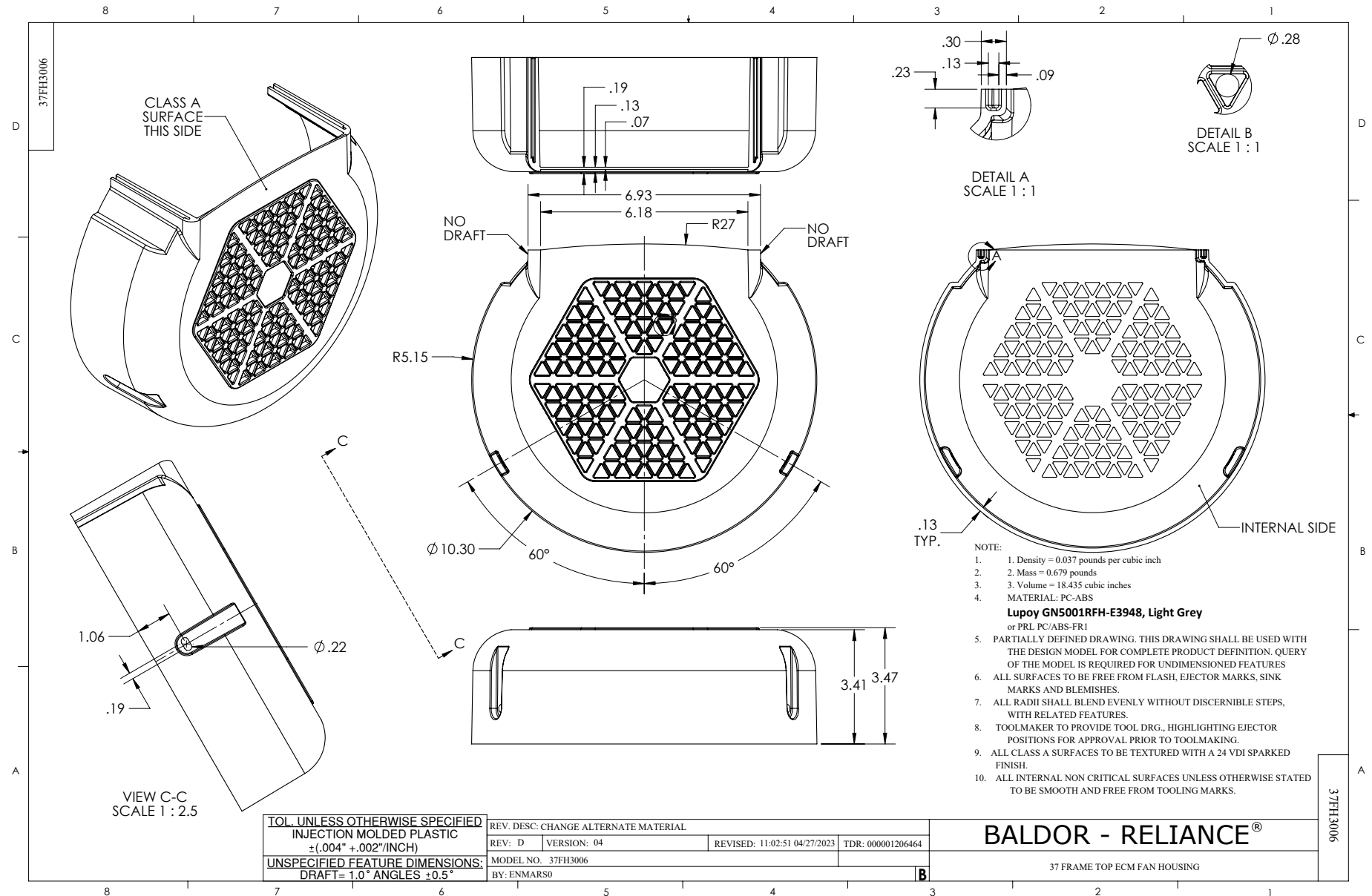
ABB MOTORS AND MECHANICAL
INC. FORT SMITH, AR.
MFG. IN U.S.A.



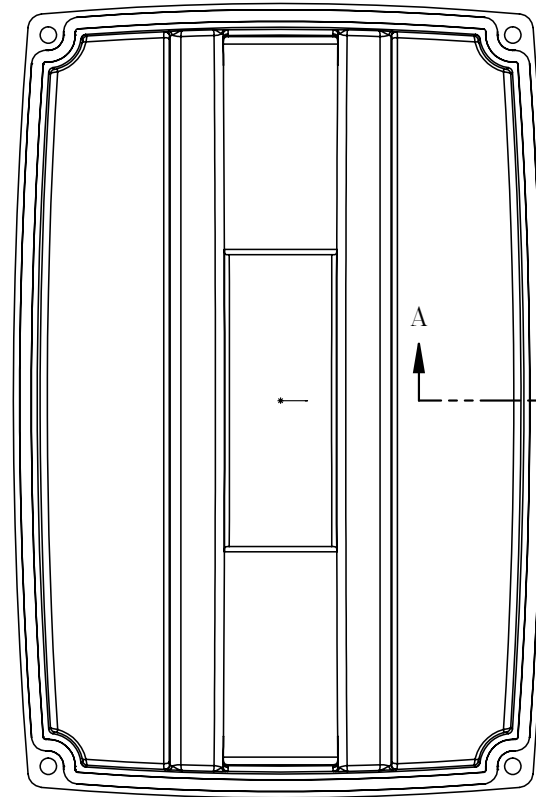
POWER DOWN FOR
5 MINUTES BEFORE
REMOVING COVER

METTRE HORS TENSION
PENDANT 5 MINUTES
AVANT DE RETIRER LE
COUVERCLE

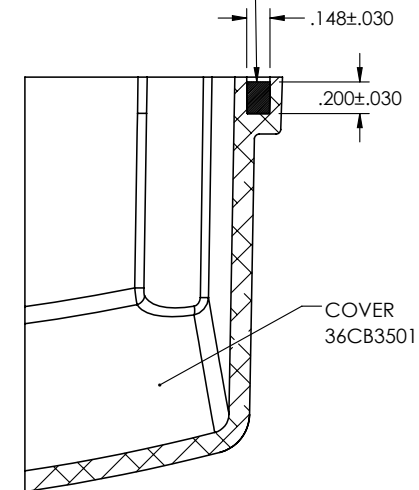




36CB3501A00



MATERIAL: RAMPF, RAKU-PUR 32-3280-51L



SECTION A-A

REV. DESC: UPDATE MATERIAL

REV: A

VERSION: 01

REVISED: 10:46:37 03/29/2019

TDR: 000001101646



MODEL NO. 36CB3501A00

REF: -

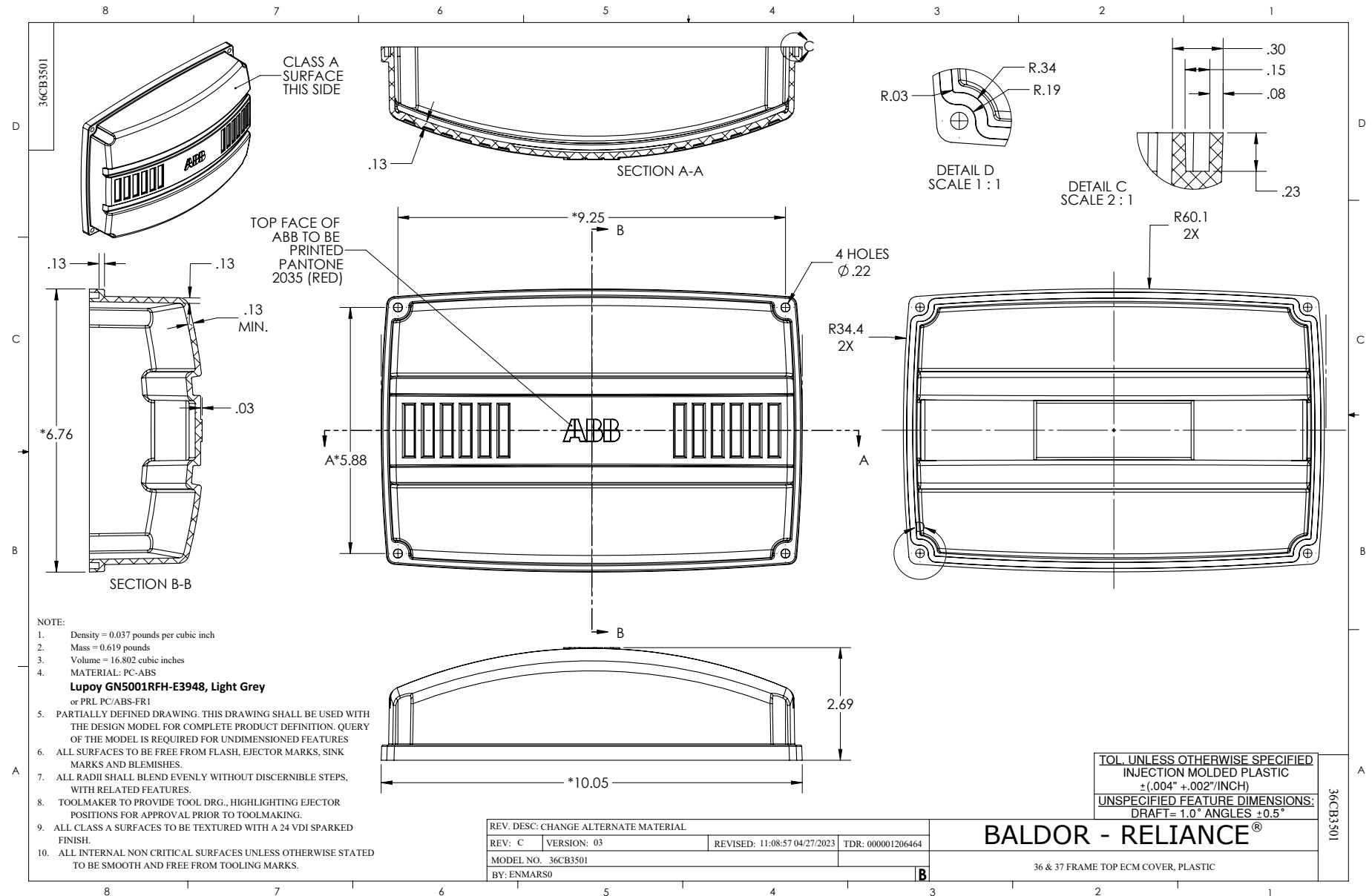
BY: ENMARS0

Material: -

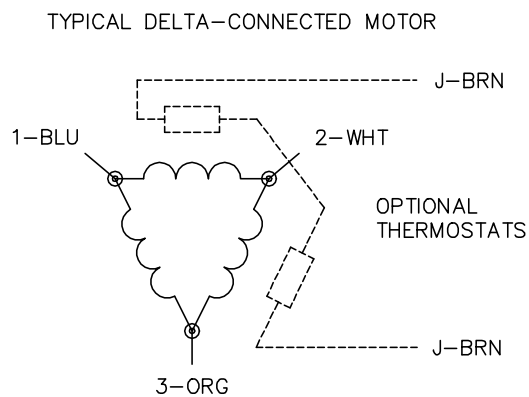
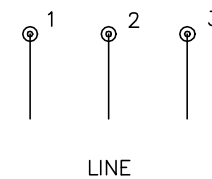
BALDOR - RELIANCE®

36 & 37 FRAME TOP ECM COVER WITH FOAM SEAL

36CB3501A00



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: -



BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1