



Customer information packet

ECS100A4H3EF4

3HP, 1800RPM, 3PH, 60HZ, 182T, TEFC, AXIAL

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
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	B
Drip Cover	No Drip Cover
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3624B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.25 IN

Part detail

Revision	M
Type	AC
Mech. spec.	36T259
Base	
Status	PRD/A
Elec. spec.	36WGL109
Layout	36LYT259
Eff. date	06-16-2025
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	12-12-2019

Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Shaft Diameter	1.125 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.	ECS100A4H3EF4																
SPEC.	36T259L109G1								YR	***							
FRAME	182T				ENCL.	TEFC		IP	54								
HP	3		RATING		40C AMB-CONT												
NOM. EFF.	92.8%			PF	96.6%		SF	1.00									
VOLTS	460				FLA	3.7											
RPM	1800			RPM MAX		4000											
HZ	60			PH.	3	CLASS			F								
BEMF (V)	212				Rs (Ω)		3.88										
Ld (mH)	57.7				Lq (mH)		217.7										
INV TYP	VPWM	CHP	60		TO		133		HZ								
	CT	6			TO		60		HZ	VT	1		TO		60		HZ
MATCHED INV	-																
BEARING	DE	6206				ODE	6205										
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.

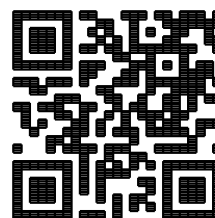
FERRITE ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR
FOR INVERTER USE ONLY



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



UL **us**
LISTED
E46145

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EC-Titanium™

PART NO. -

U1

480

PH

3

HZ

60

I1 MAX

4.7

W /EXT. CHOKE

3.8

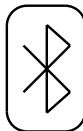
SERIAL #

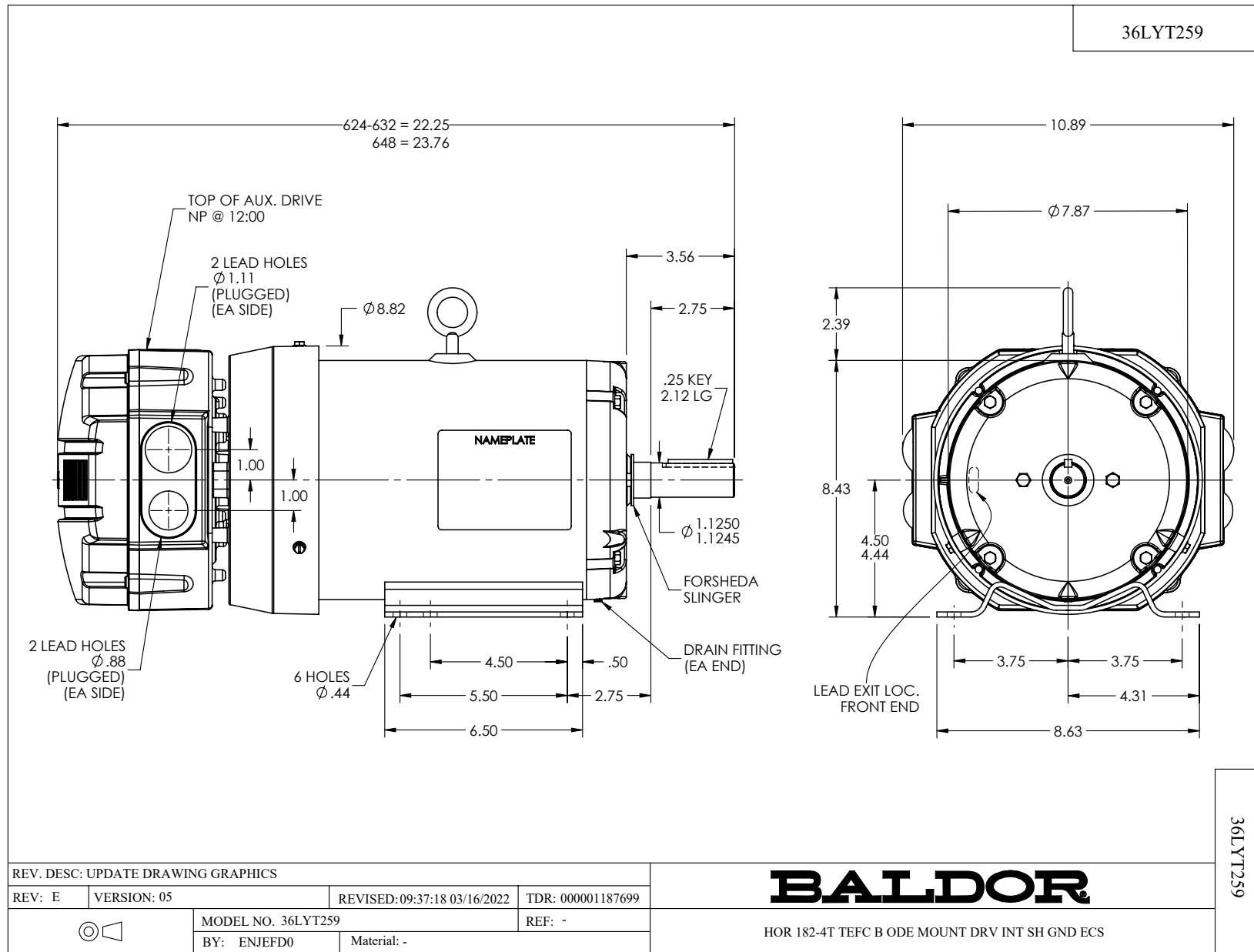


POWER DOWN FOR
5 MINUTES BEFORE
REMOVING COVER

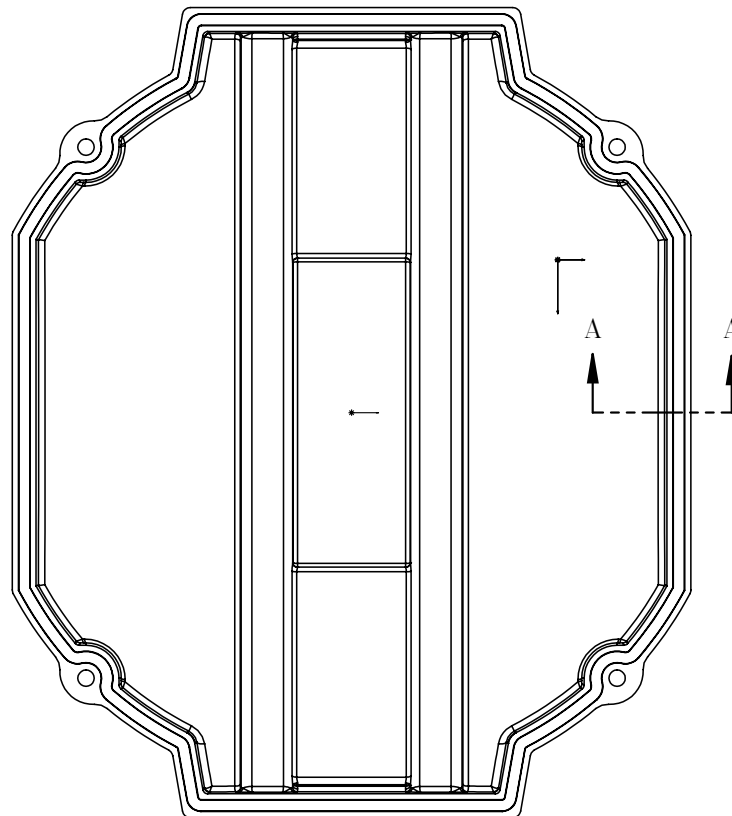
METTRE HORS TENSION
PENDANT 5 MINUTES
AVANT DE RETIRER LE
COUVERCLE

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

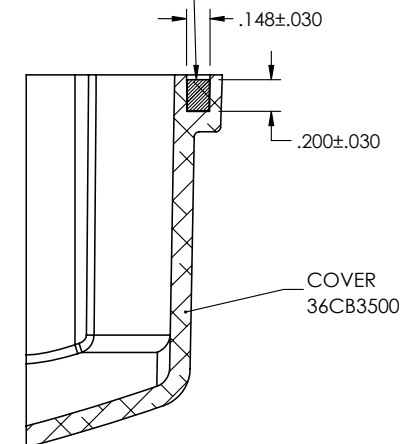




36CB3500A00



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



SECTION A-A

REV. DESC: UPDATE MATERIAL

REV: A

VERSION: 01

REVISED: 10:45:08 03/29/2019

TDR: 000001101646



MODEL NO. 36CB3500A00

REF: -

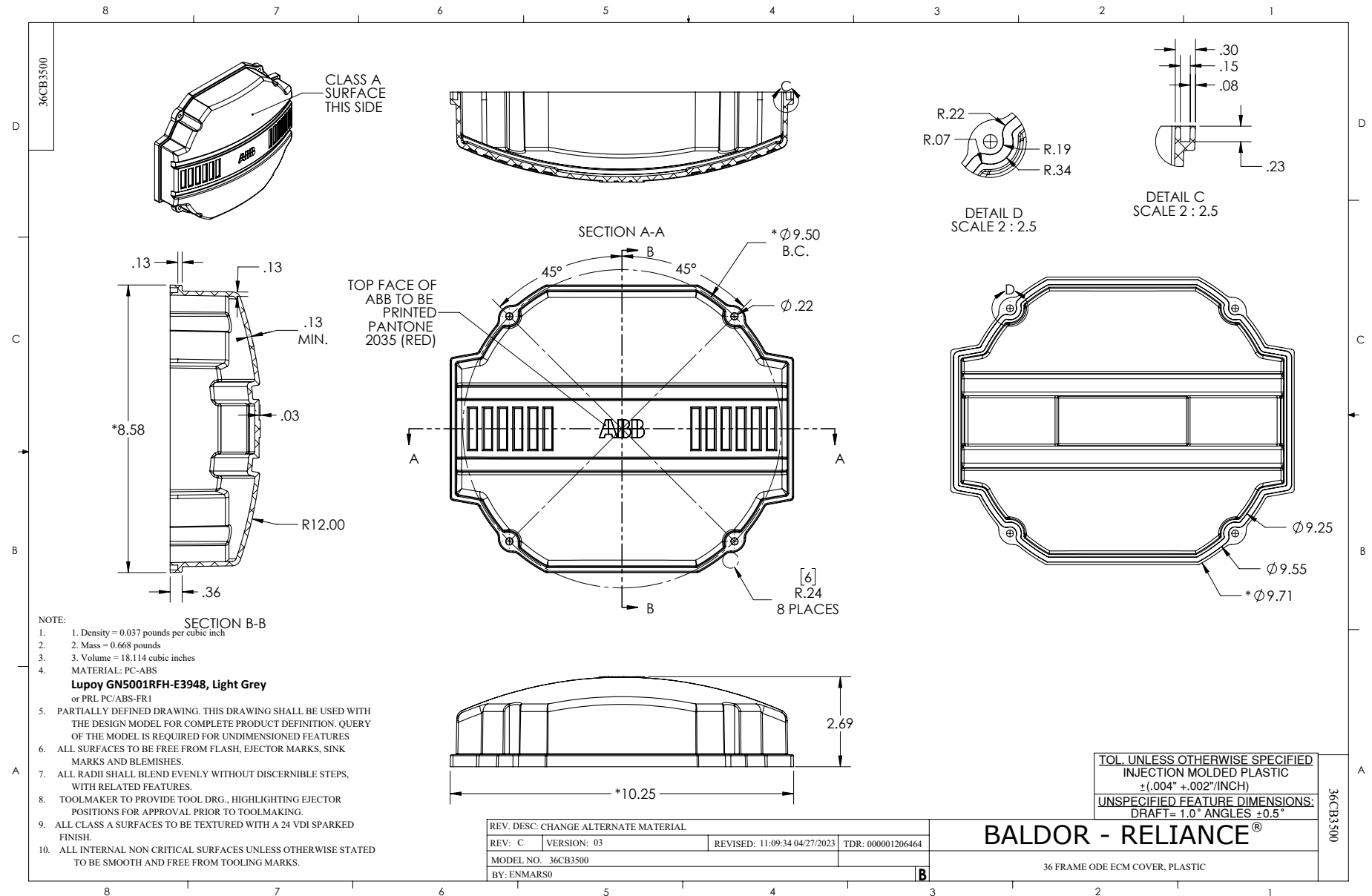
BY: ENMARS0

Material: -

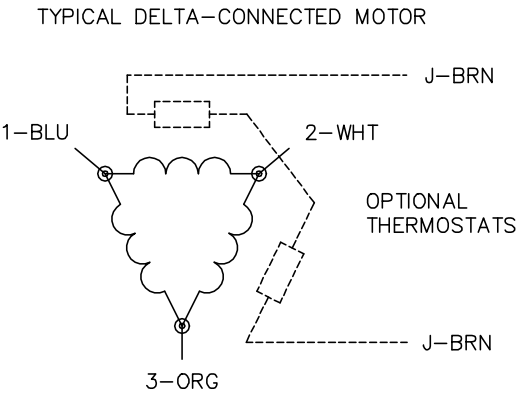
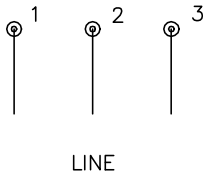
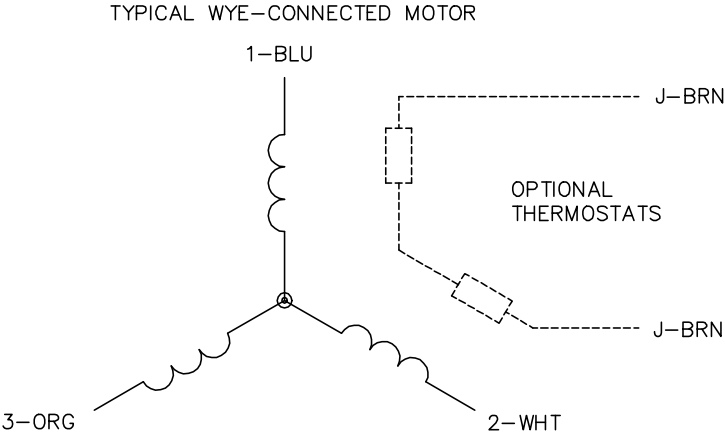
BALDOR - RELIANCE®

36 FRAME ODE ECM COVER WITH FOAM SEAL

36CB3500A00



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