

ABB BALDOR RELIANCE III

Customer information packet

ECS100A2H5EF4

5HP, 1800RPM, 3PH, 60HZ, 184T, TEFC, AXIAL

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184T
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
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632B

Part Detail

Revision	J
Type	AC
Mech. spec.	36T259
Base	
Status	PRD/A
Elec. spec.	36WGL101
Layout	36LYT259
Eff. date	01-06-2026
CD Diagram	CD0006
Poles	04
Leads	3#14 Y
Proprietary	False
Created date	05-29-2019

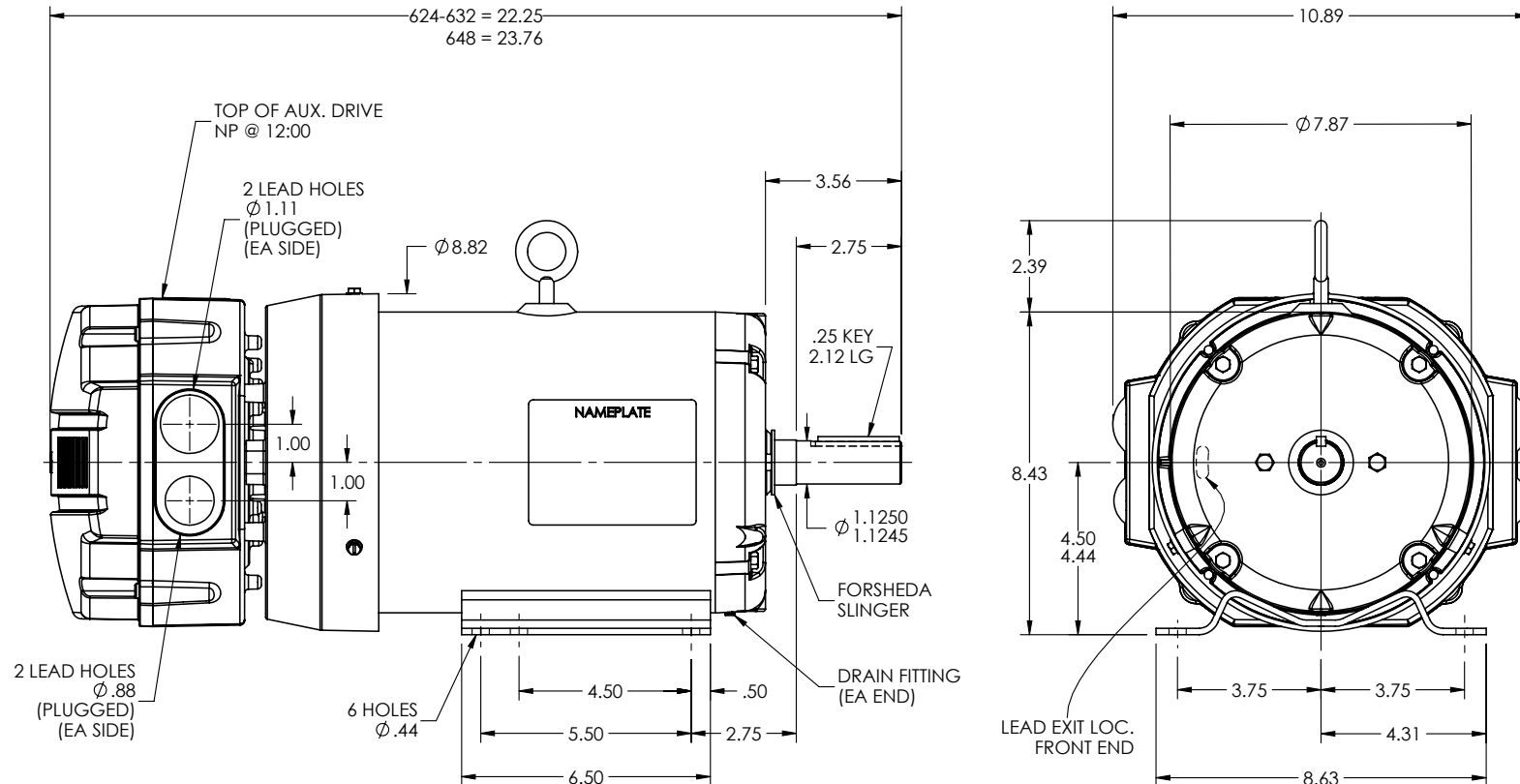
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.25 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
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

Nameplate

NP3968A01A01									
CAT.NO.	ECS100A2H5EF4								
SPEC.	36T259L101G1								
FRAME	184T			ENCL.		TEFC		IP	54
HP	5	40	C AMB			CONT			
NOM. EFF.	93.7%	PF	97.3%	SF		1.0			
VOLTS	230			FLA		10.5			
RPM	1800			RPM-MAX			4000		
HZ	60			PH.	3	CLASS		F	
BEMF (V)	126			RS (OHMS)					0.81
LD (MH)	13.5				LQ (MH)				47.8
VPWM	CHP	60	TO		133				
CT	6	TO	60	VT		1	TO	60	
MATCHED INV	ECI2A10P5								
DE	6206			ODE		6205			
SERIAL #									

NP3978A01					
PART NO.	ECI2A10P5				
U1	230	PH	3	HZ	60
I1	12.6	W/EXT. CHOKE			10.6
SERIAL #					

36LYT259



REV. DESC: UPDATE DRAWING GRAPHICS

REV: E VERSION: 05 REVISED: 09:37:18 03/16/2022 TDR: 000001187699



MODEL NO. 36LYT259

BY: ENJEFD0

Material: -

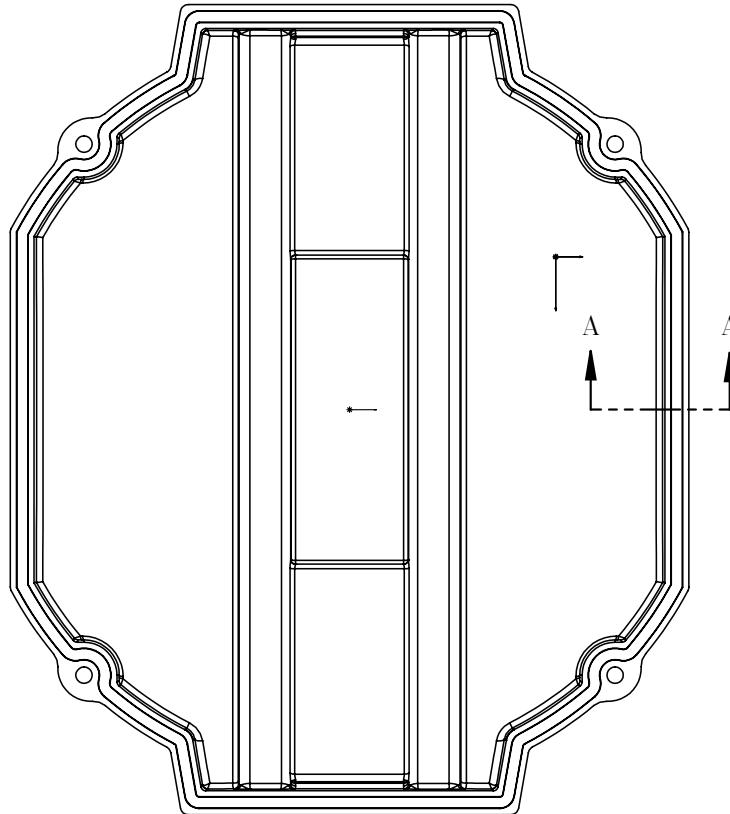
REF: -

BALDOR

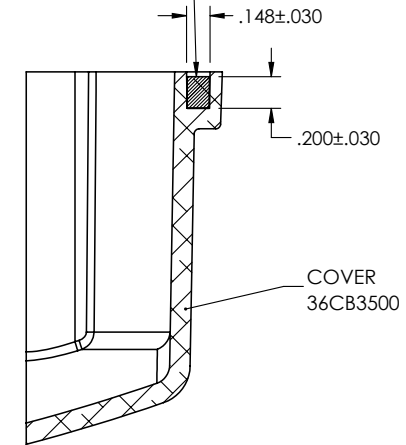
HOR 182-4T TEFC B ODE MOUNT DRV INT SH GND ECS

36LYT259

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
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MODEL NO. 36CB3500A00

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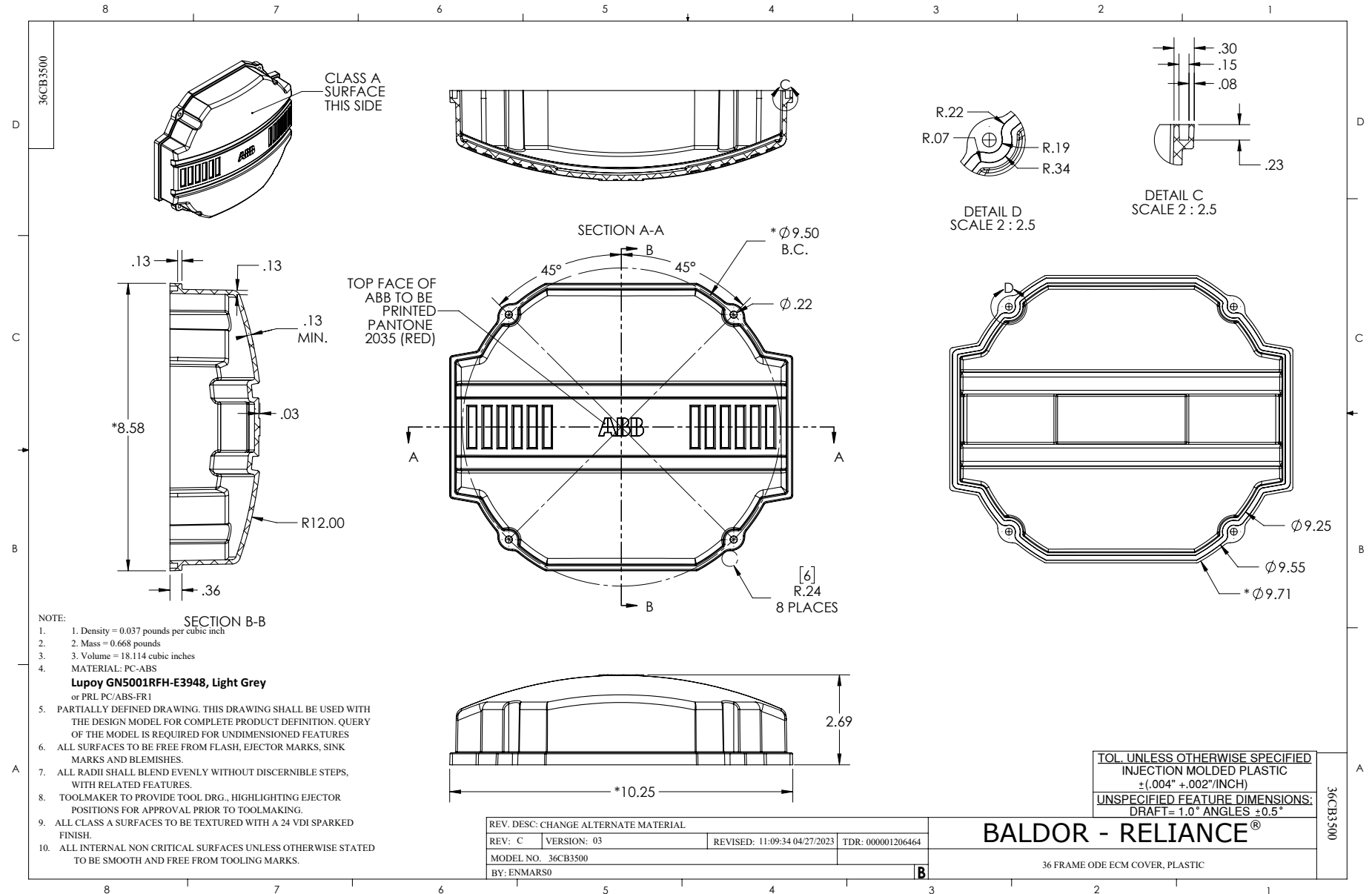
BY: ENMARS0

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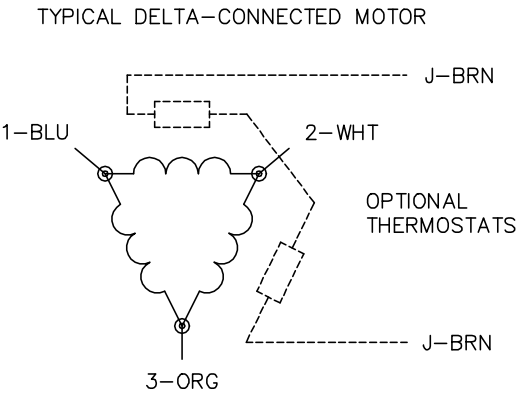
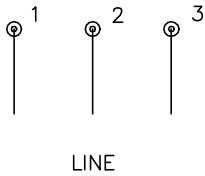
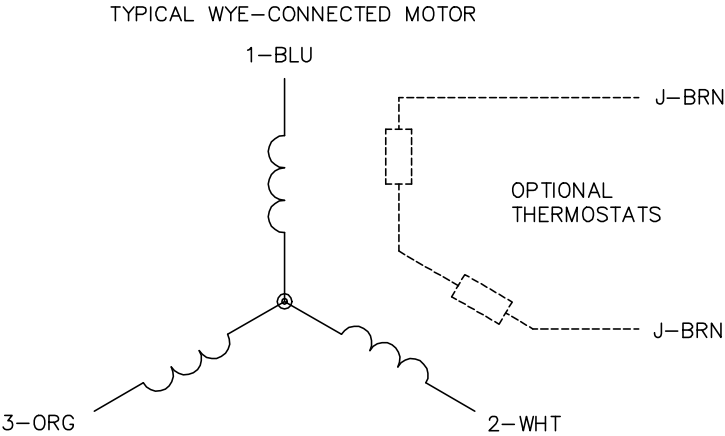
BALDOR - RELIANCE®

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