

ABB BALDOR RELIANCE III

Customer information packet

ECS100A2H3EF4

3HP, 1800RPM, 3PH, 60HZ, 182T, 3624B, TEFC, F1

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	Brushless Wound Field PM Rotor
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	WEEE BLUETOOTH
Ambient Temperature	40 °C
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
Current @ Voltage	7.300 A @ 230.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	7.3 a
Insulation Class	F
Inverter Code	INVERTER ONLY
KVA Code	-

Part Detail

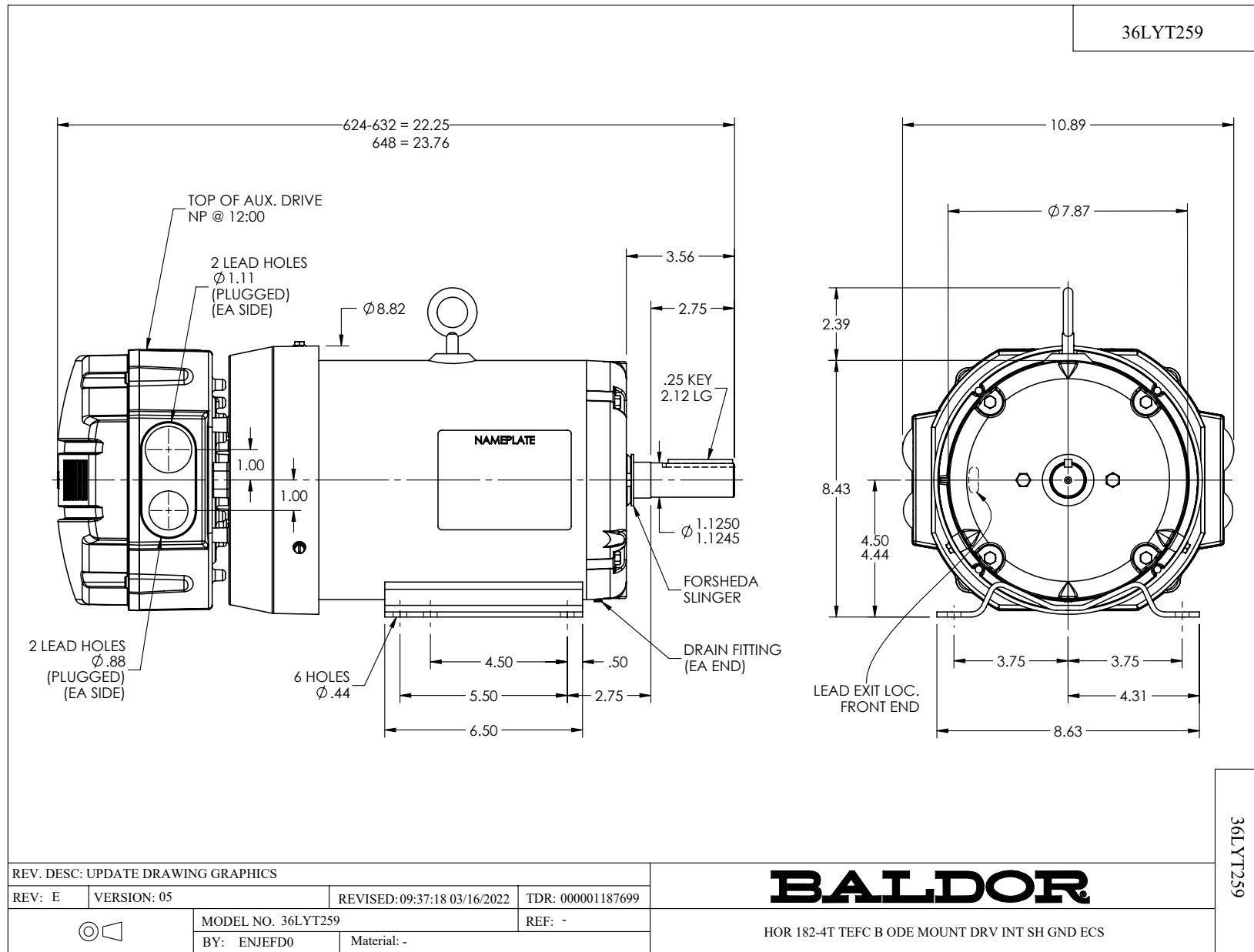
Revision	-
Type	AC
Mech. spec.	36T259
Base	
Status	PRD/A
Elec. spec.	36WGG004
Layout	36LYT259
Eff. date	12-08-2025
CD Diagram	CD0006B03
Poles	04
Leads	3#16
Proprietary	False
Created date	12-08-2025

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
Power Factor	97
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1800 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

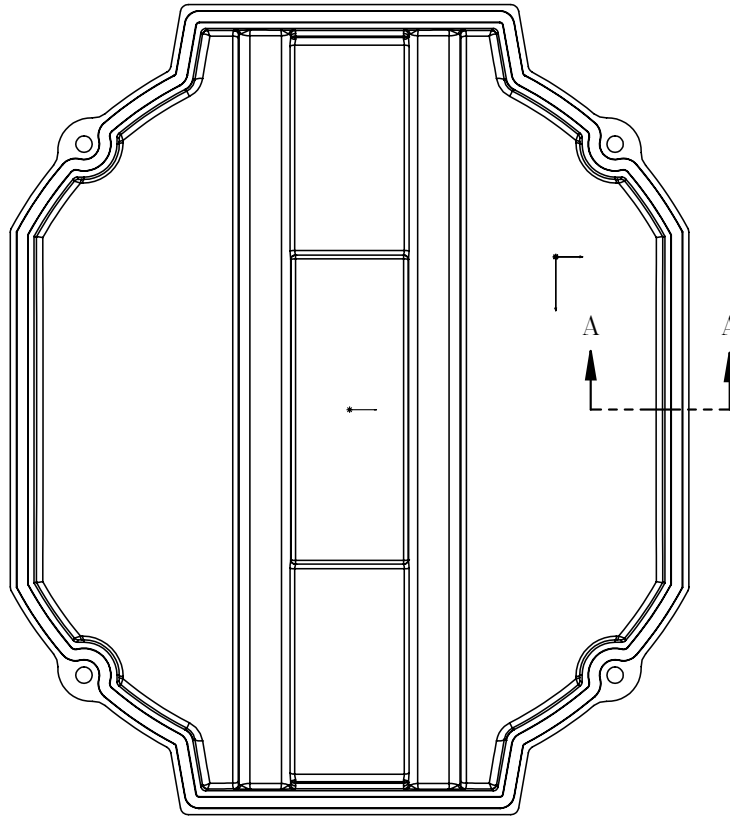
Nameplate

NP3968A01A01									
CAT.NO.	ECS100A2H3EF4								
SPEC.	36T259G004G1								
FRAME	182T		ENCL.		TEFC		IP	54	
HP	3	40	C AMB			CONT			
NOM. EFF.	92.4	PF	97	SF		1			
VOLTS	230		FLA		7.3				
RPM	1800		RPM-MAX			4000			
HZ	60		PH.	3	CLASS		F		
BEMF (V)	106		RS (OHMS)				0.97		
LD (MH)	14.4			LQ (MH)				54.4	
VPWM	CHP	60	TO		133				
CT	6	TO	60	VT		6	TO	60	
MATCHED INV	ECI2A10P5								
DE	6206		ODE		6205				
SERIAL #									

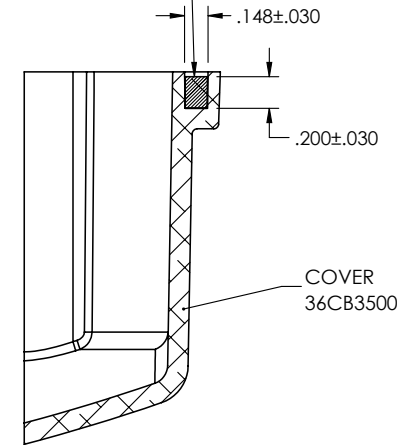
NP3978A01					
PART NO.	ECI2A10P5				
U1	240	PH	3	HZ	60
I1	9.3	W/EXT. CHOKE			7.8
SERIAL #					



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

REF: -

BY: ENMARS0

Material: -

BALDOR - RELIANCE®

36 FRAME ODE ECM COVER WITH FOAM SEAL

36CB3500A00

