

ABB BALDOR RELIANCE III

Customer information packet

ECS100T2H3EF4

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	Three Phase
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	BLUETOOTH WEEE CULUS
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
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.8 %
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 Duty
Lifting Lugs	Standard Lifting Lugs

Part Detail

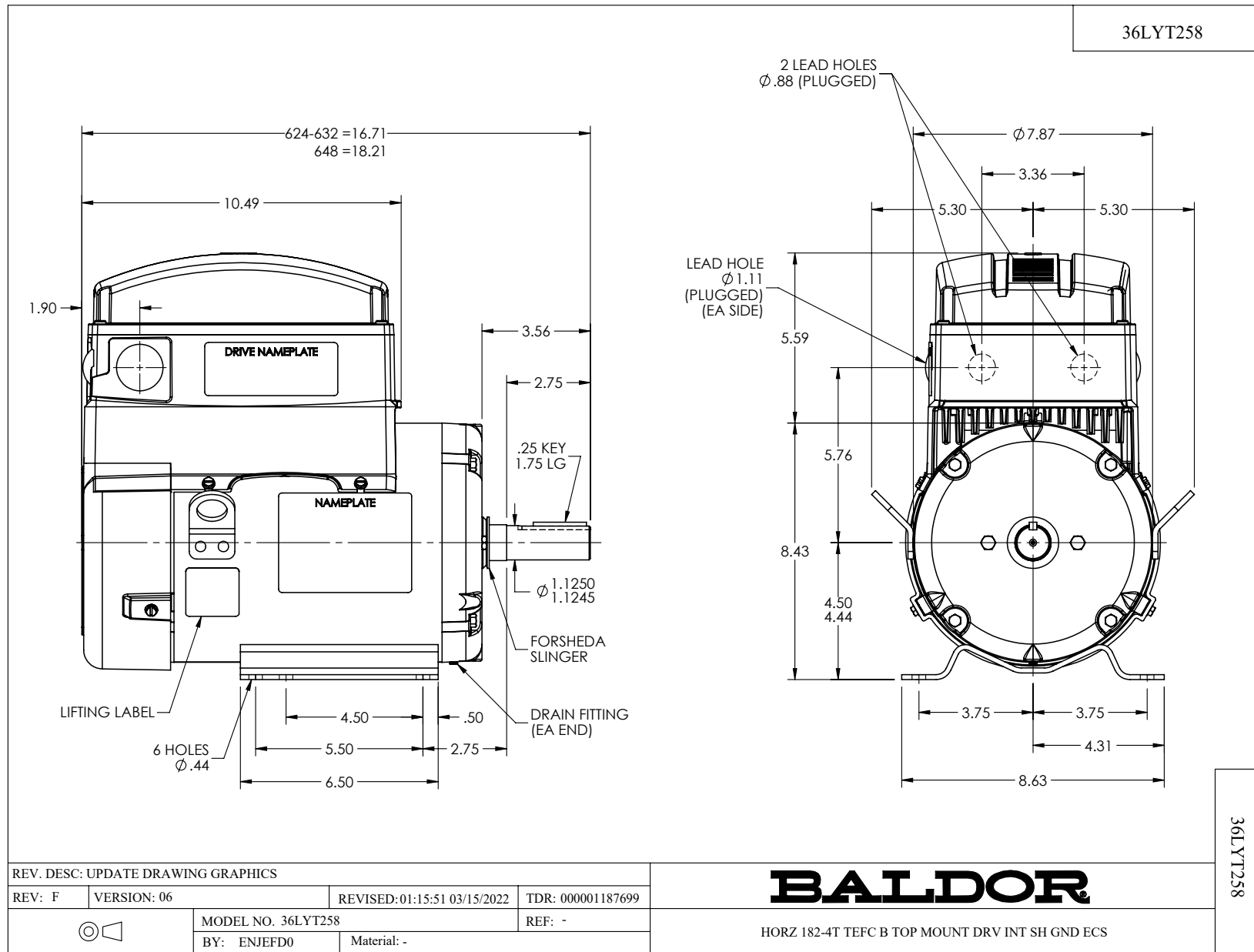
Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0023
Layout	36LYT258
Eff. date	05-05-2025
CD Diagram	CD0006B03
Poles	04
Leads	3#14 19" LONG LEADS
Proprietary	False
Created date	04-30-2025

Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3624B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.71 IN
Power Factor	97
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
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

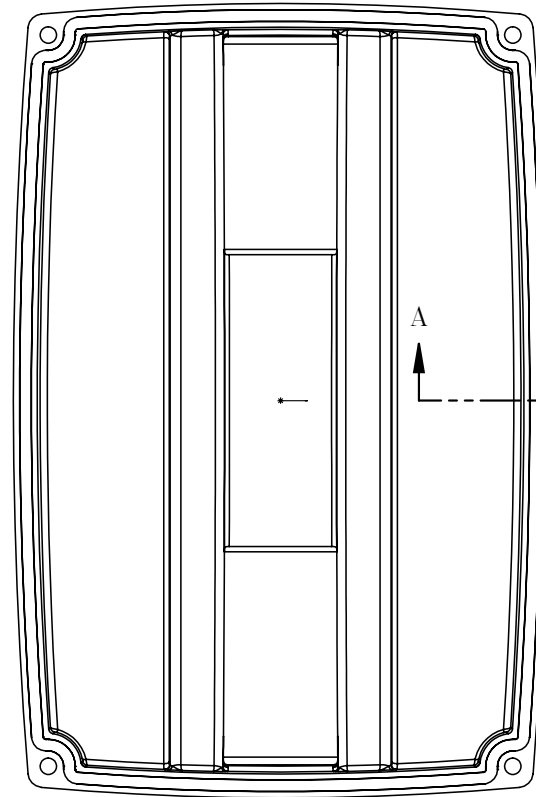
Nameplate

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

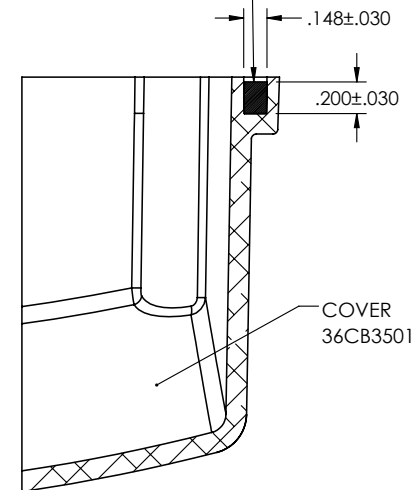
NP3968A01A01											
CAT.NO.	ECS100T2H3EF4										
SPEC.	36-0006113										
FRAME	182T			ENCL.		TEFC		IP	54		
HP	3	40		C AMB			CONT				
NOM. EFF.	92.8		PF	97		SF		1			
VOLTS	230			FLA		7.3					
RPM	1800			RPM-MAX			4000				
HZ	60			PH.	3	CLASS		F			
BEMF (V)	106			RS (OHMS)					0.97		
LD (MH)	14.4			LQ (MH)					54.4		
VPWM	CHP	60	TO		133						
CT	6	TO		60		VT	1	TO		133	
MATCHED INV	ECI2A10P5										
DE	6206			ODE		6205					
SERIAL #											



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
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MODEL NO. 36CB3501A00

REF: -

BY: ENMARS0

Material: -

BALDOR - RELIANCE®

36 & 37 FRAME TOP ECM COVER WITH FOAM SEAL

36CB3501A00

