

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

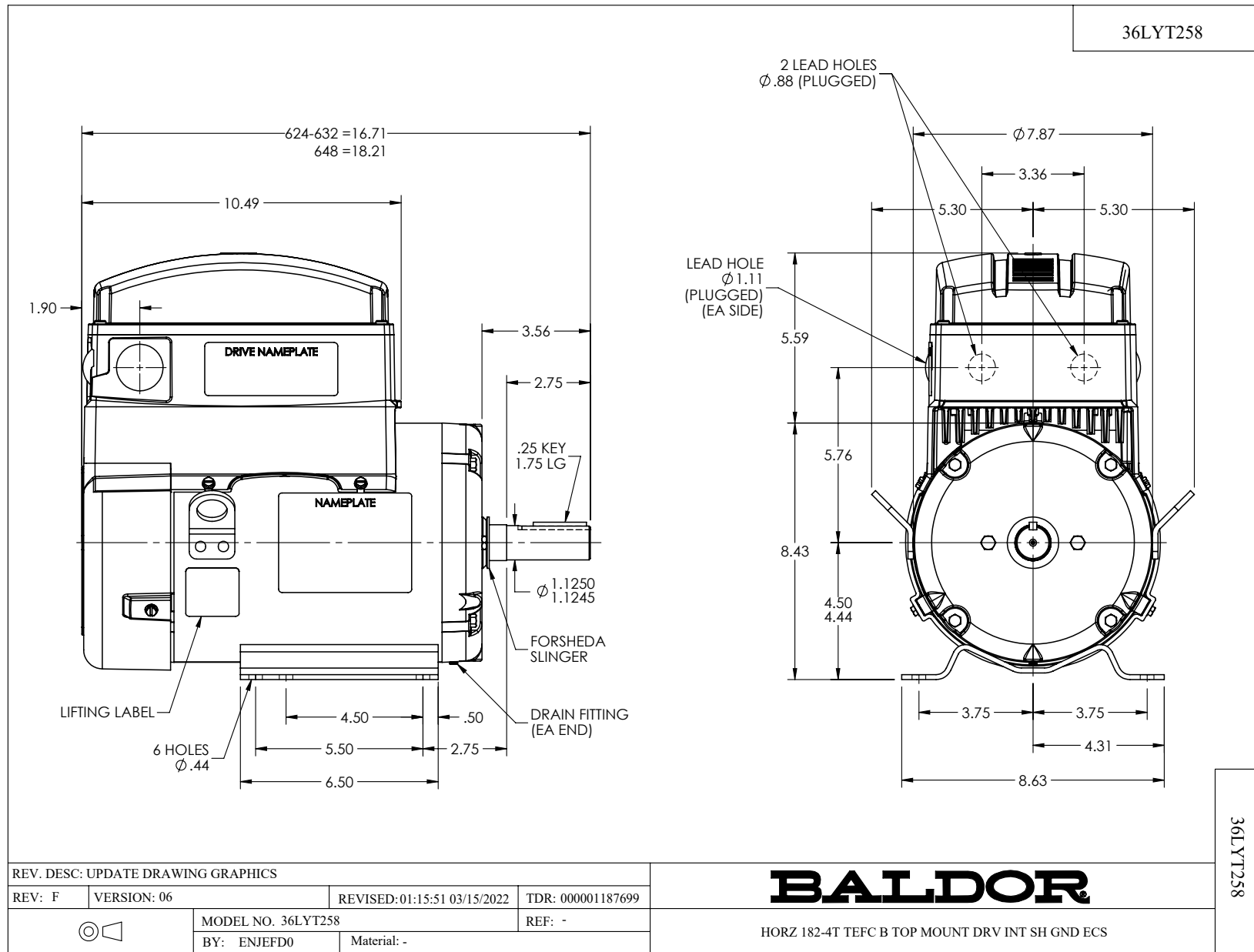
NP3978A01						
PART NO.	ECI2A10P5					
U1	240	PH	3	HZ	60	
I1	9.3	W/EXT. CHOKE				7.8
SERIAL #						

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 #											

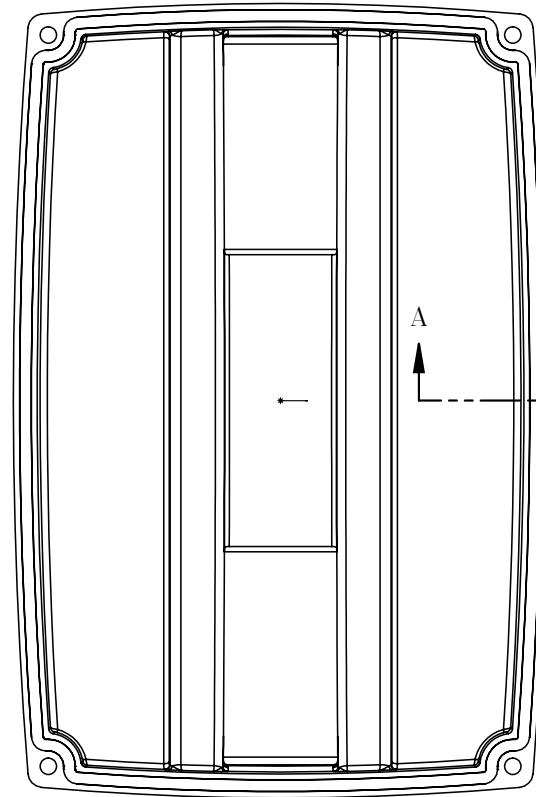
Parts List

Part number	Description	Quantity
SA437284	SA 36-0006113	1.000 ea
RA429639	RA 36-0006113	1.000 ea
NP3978A01	MYLAR BALDOR-RELIANCE SYNC IPM DRIVE 4.3	1.000 ea
NP3968A01A01	NP LABEL WEE, SH GND, C-UL-US, QR, ECS	1.000 ea
MN451	EC Titanium Quick Start 06/22	1.000 ea
36FH3006	36 FRAME TOP ECM FAN HOUSING	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
36EP3104B46	CUSTOM ODE, 205 BRG, #26 DRAIN,	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 ea
HS0054A00	36 FRAME TOP ECM HEATSINK MACHINING	1.000 ea
36CB3501A00	36&37 FRAME TOP ECM PLASTIC COVER WITH F	1.000 ea
GS0024	ECM GASKET,36 TOP MOUNT,HEATSINK TO FRAM	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 ea
15XN1032A10	SCREW PAN HD 10-32 X .625 (PHILLIPS)	4.000 ea
36EP3100A42	PU EP, LOCKED 206 BRG, NO GRS	1.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.380 X .24 VITON	1.000 ea
10XN2520A20	1/4-20X 1 1/4 HEX HD X	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 ea
WD4100A66	HEYCO #3835 KNOCKOUT PLUG(KOS-LT 3/4) BL	2.000 ea
WD4100A30	HEYCO #3833 RUBBER PLUG KOS-LT - 1/2	2.000 ea
ECI2A10P5SP	200-240V, 3.0HP, 10.5A, W/BK CHOP, RTC,	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
MJ5002A02	NON-CORROSIVE SILICONE, DOW 748, 10.3 OZ	0.001 ea
07PA1005	PKG GRP, PRINT PK1156A07	1.000 ea

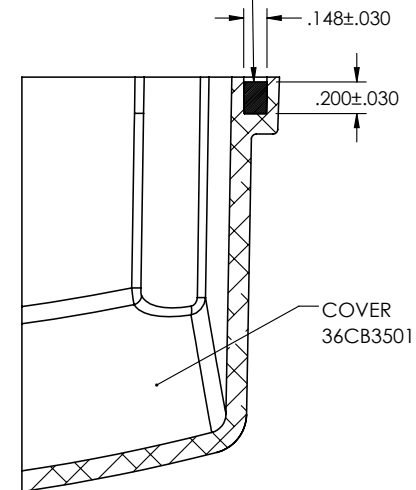
HW2501E19	STD SQUARE KEY .25 SQUARE X 2.125 LONG	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea



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

