



Customer information packet

ECS100T4H3EC4

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

PFC EQUIPMENT INC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
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	460.0 V @ 60 HZ
Agency Approvals	UL WEEE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	3.700 A @ 460.0 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	3.7 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0025
Layout	36LYT270
Eff. date	05-08-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#16 19" LONG LEADS
Proprietary	False
Created date	09-28-2020

Locked Bearing Indicator	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	C-Face
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.		ECI4A4P1							
U1		480	PH	3	HZ	60			
I1		4.7	W/EXT. CHOKE				3.8		
SERIAL #									

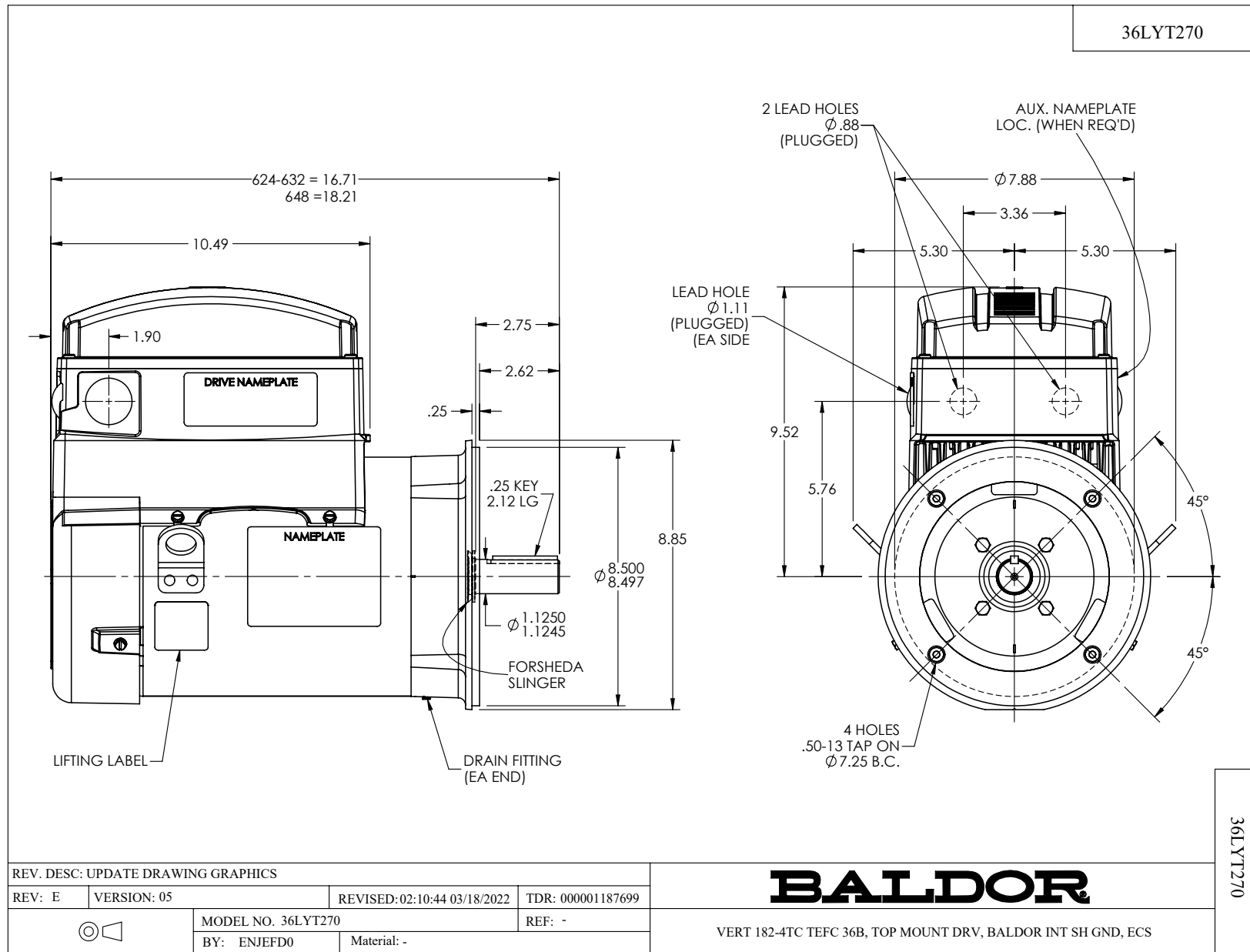
NP3968A01A01

CAT.NO.	ECS100T4H3EC4									
SPEC.	36-0001722									
FRAME	182TC			ENCL.		TEFC		IP		54
HP	3	40		C AMB			CONT			
NOM. EFF.	92.8		PF	97		SF		1		
VOLTS	460			FLA		3.7				
RPM	1800			RPM-MAX			4000			
HZ	60		PH.	3	CLASS			F		
BEMF (V)	212			RS (OHMS)					3.88	
LD (MH)	57.7					LQ (MH)			217.7	
VPWM	CHP	60	TO		133					
CT	6	TO	60		VT	1	TO	133		
MATCHED INV	ECI4A4P1									
DE	6206			ODE		6205				
SERIAL #										

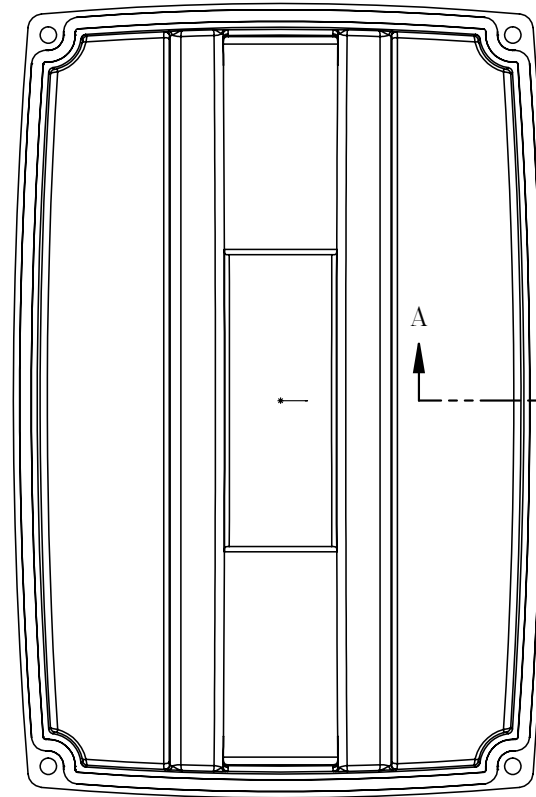
Parts list

Part number	Description	Quantity
SA386122	SA 36-0001722	1.000 ea
RA376397	RA 36-0001722	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 04/20	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
WD4100A66	HEYCO #3835 KNOCKOUT PLUG(KOS-LT 3/4) BL	2.000 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
36EP3301A34	SPL PU. ENDPLATE - ENCLOSED	1.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 ea
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 ea
WD4100A30	HEYCO #3833 RUBBER PLUG KOS-LT - 1/2	2.000 ea
ECI4A4P1SP	380-480V, 2.0HP, 4.1A, NO 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
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

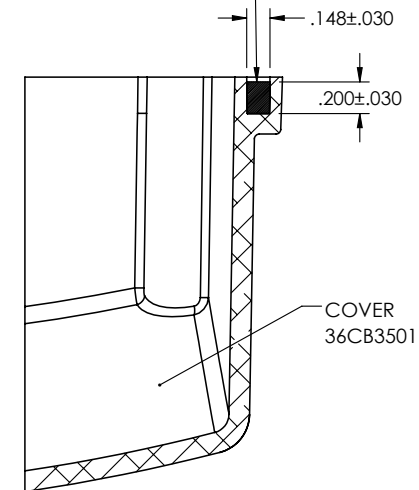
LB1602	LABEL, LIFTING DEVICE REQUIRING SPREADER	1.000 ea
PK3082	STYROFOAM CRADLE	1.000 ea
07PA1005	PKG GRP, PRINT PK1156A06	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea



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



MODEL NO. 36CB3501A00

REF: -

BY: ENMARS0

Material: -

BALDOR - RELIANCE®

36 & 37 FRAME TOP ECM COVER WITH FOAM SEAL

36CB3501A00

