



Customer information packet

ECS100T4H10FB4

10HP, 1800RPM, 3PH, 60HZ, 215TC, TEFC, TOP

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TC
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	10.000 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	11.000 A @ 460.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.8 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	11.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0021
Layout	37LYQ485
Eff. date	07-12-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#12 19" LONG LEADS
Proprietary	False
Created date	09-08-2020

Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.23 IN
Power Factor	94
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 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.		ECI4A12P0							
U1		480	PH	3	HZ	60			
I1		10.1	W/EXT. CHOKE					9.0	
SERIAL #									

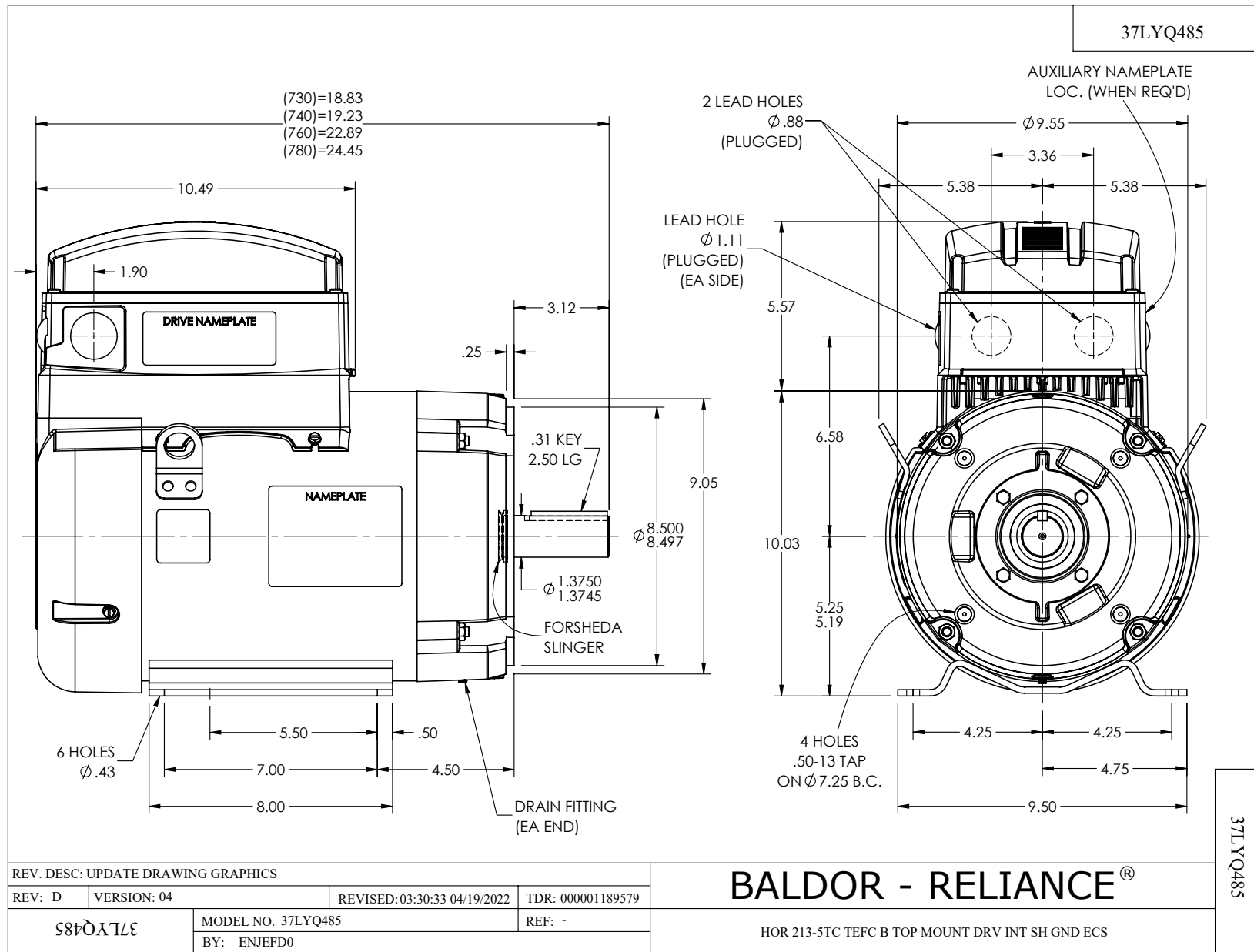
NP3968A01A01

CAT.NO.	ECS100T4H10FB4									
SPEC.	37-0000-0290									
FRAME	215TC			ENCL.		TEFC		IP		54
HP	10	40		C AMB			CONT			
NOM. EFF.	94.8	PF		94	SF		1			
VOLTS	460			FLA		11.22				
RPM	1800			RPM-MAX			3000			
HZ	60		PH.		3	CLASS		F		
BEMF (V)	231.36			RS (OHMS)				0.93		
LD (MH)	23.214				LQ (MH)			75.933		
VPWM	CHP	60	TO		120					
CT	6	TO		60	VT		1	TO		120
MATCHED INV	ECI4A12P0									
DE	6307			ODE		6206				
SERIAL #										

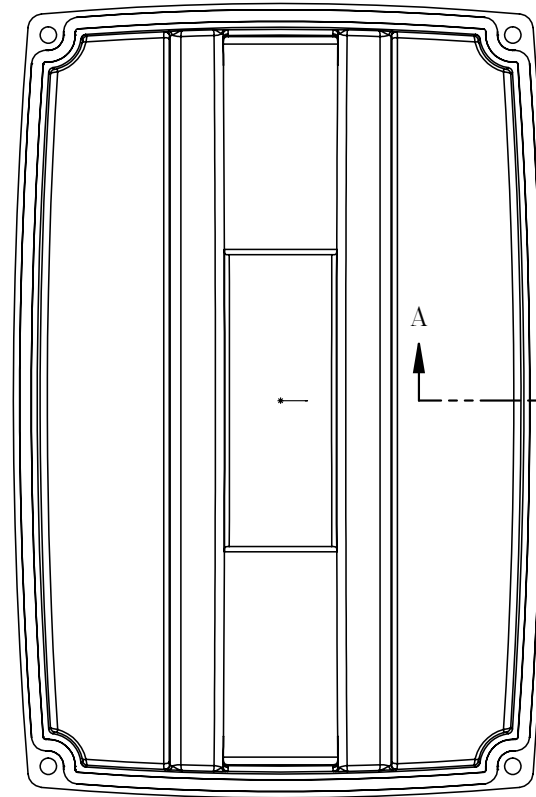
Parts list

Part number	Description	Quantity
SA385608	SA 37-0000-0290	1.000 ea
RA375859	RA 37-0000-0290	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
37FH3006	37 FRAME TOP ECM FAN HOUSING	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 ea
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 ea
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
WD4100A66	HEYCO #3835 KNOCKOUT PLUG(KOS-LT 3/4) BL	2.000 ea
37EP3101A04	FR ENDPLATE, MACH	1.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 ea
HS0055A00	37 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
37EP3300A05	FACE MT EP-ENCL-307 BRG-213TC-215TC LESS	1.000 ea
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	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
ECI4A12P0SP	380-480V, 7.5HP, 12.0A, 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
07PA1029	PACKAGING GROUPCRATE (07 TALL CRATE)	1.000 ea
HW4600C51	31X39X7.5MM FACE SEAL FOR 1.375 DIA. SH	1.000 ea

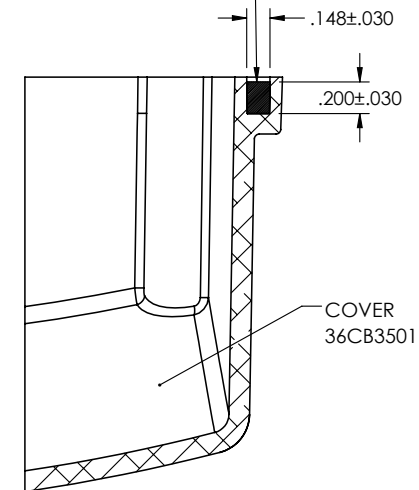
HW2501F22	KEY, 5/16 SQ X 2.500	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1602	LABEL, LIFTING DEVICE REQUIRING SPREADER	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea



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



MODEL NO. 36CB3501A00

REF: -

BY: ENMARS0

Material: -

BALDOR - RELIANCE®

36 & 37 FRAME TOP ECM COVER WITH FOAM SEAL

36CB3501A00

