



Customer information packet

ECS100T2H1DB4

1HP, 1800RPM, 3PH, 60HZ, 143TC, 3516B, TEFC, F1

PFC EQUIPMENT INC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	143TC
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	BLUETOOTH CULUS 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	2.500 A @ 230.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	03

Part detail

Revision	B
Type	AC
Mech. spec.	35E5291
Base	
Status	PRD/A
Elec. spec.	35WGG932
Layout	35LYE5291
Eff. date	09-10-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#14 13" LONG LEADS Y
Proprietary	False
Created date	05-08-2024

KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3516B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.38 IN
Power Factor	98
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.875 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.	ECS100T2H1DB4								
SPEC.	35E5291G932								
FRAME	143TC		ENCL.		TEFC		IP	54	
HP	1	40	C AMB			CONT			
NOM. EFF.	91	PF	98	SF		1			
VOLTS	230		FLA		2.5				
RPM	1800		RPM-MAX			4000			
HZ	60		PH.	3	CLASS		F		
BEMF (V)	135		RS (OHMS)				4.9		
LD (MH)	30.8			LQ (MH)				135	
VPWM	CHP	60	TO		133				
CT	6	TO	60	VT		6	TO	60	
MATCHED INV	ECI2A4P3								
DE	6205		ODE		6203				
SERIAL #									

NP3978A01						
PART NO.	ECI2A4P3					
U1	240	PH	3	HZ	60	
I1	3.6	W/EXT. CHOKE				3
SERIAL #						

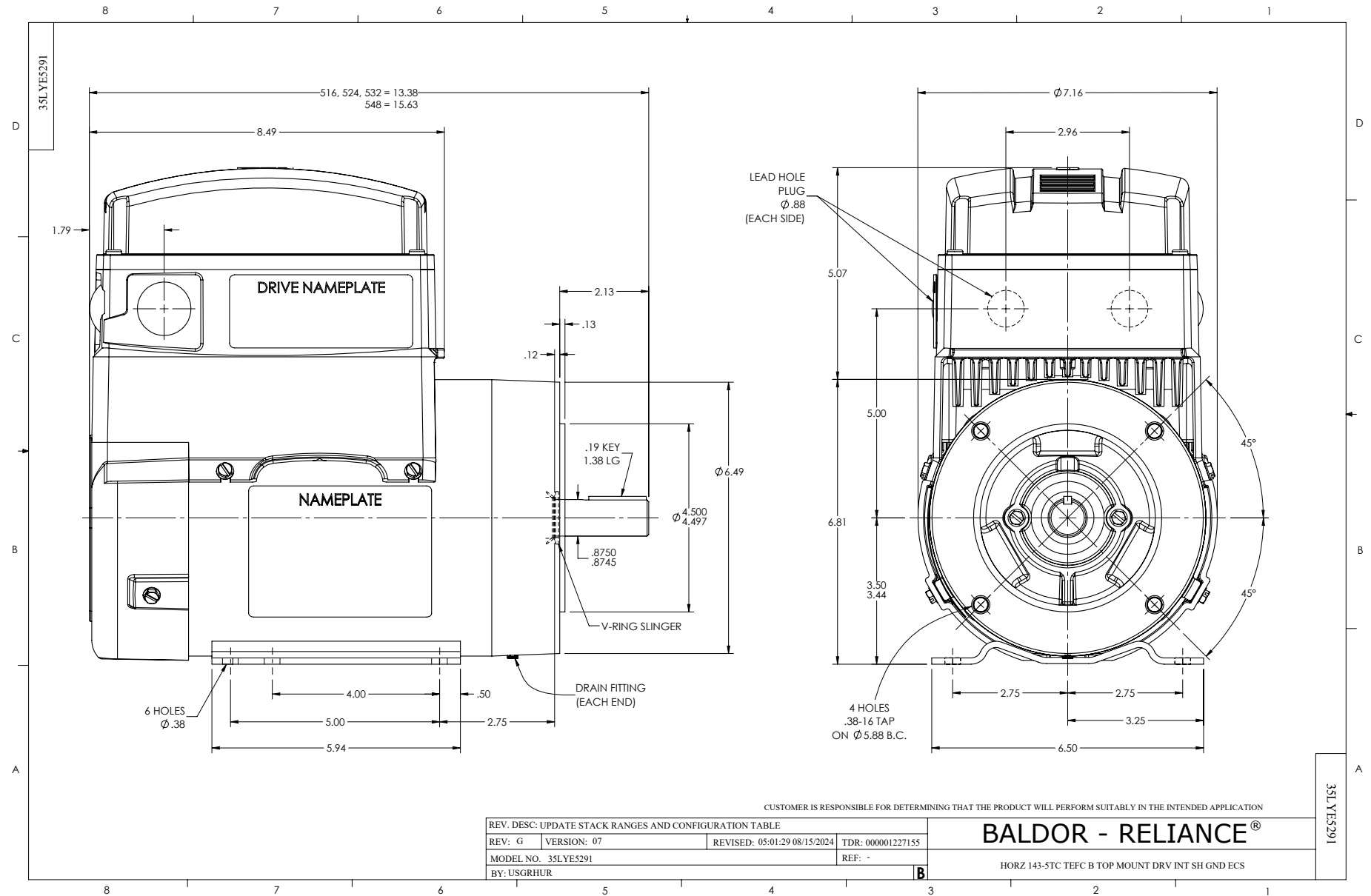
Parts list

Part number	Description	Quantity
SA428001	SA 35E5291G932	1.000 ea
RA420156	RA 35E5291G932	1.000 ea
ECI2A4P3SP	200-400V, 1.0HP, 4.3A, NO BK CHOP, RTC,	1.000 ea
HS0052A00	35 FRAME TOP ECM HEATSINK MACHINING	1.000 ea
GS0025	35 FRAME TOP MOUNT GASKET	1.000 ea
WD4100A30	HEYCO #3833 RUBBER PLUG KOS-LT - 1/2	4.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 ea
35EP3122K00	MASTER ODE,203 BRG,,683SH,#26 DRN,FH MTG	1.000 ea
15XN0832A12	SCREW, 8/32 X 3/4" PAN HDPHIL, MS	3.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3307F11	F00 W/SLINGER	1.000 ea
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 ea
51XN1032A18	10-32 X 1 1/8 HX WS SL SR (ESKAY)	2.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 ea
15XN1032A10	SCREW PAN HD 10-32 X .625 (PHILLIPS)	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH3006	35 FRAME TOP ECM FAN HOUSING	1.000 ea
35CB3505A00	35 FRAME TOP ECM PLASTIC COVER WITH FOAM	1.000 ea
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.017 ga
MJ5002A02	NON-CORROSIVE SILICONE, DOW 748, 10.3 OZ	0.001 ea
NP3968A01A01	NP LABEL WEE, SH GND, C-UL-US, QR, ECS	1.000 ea
NP3978A01	MYLAR BALDOR-RELIANCE SYNC IPM DRIVE 4.3	1.000 ea
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN451	EC Titanium Quick Start 04/20	1.000 ea

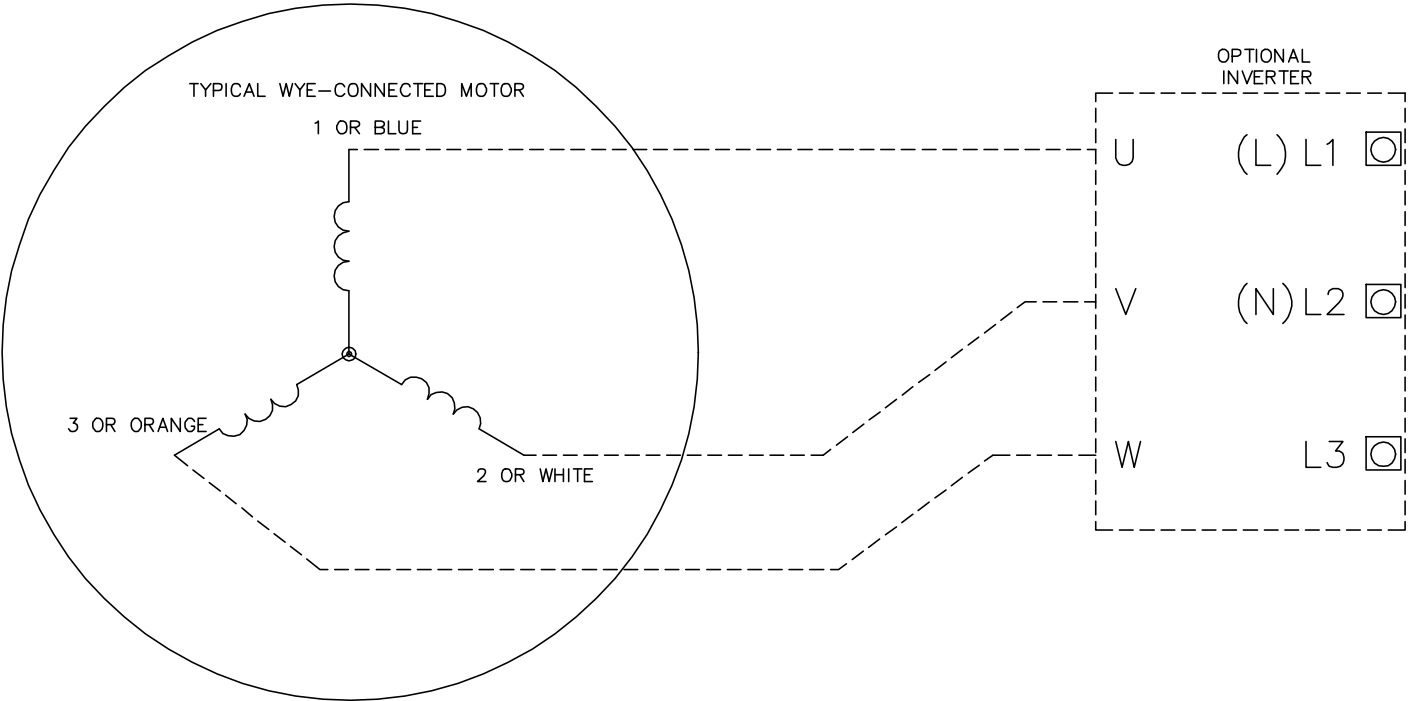
FE-0000001

ZRTG FE ASSEMBLY

1.000 ea



CD0006B03



- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

REV. DESC: CHANGE LEAD COLORS TO BLUE WHITE ORANGE		
REV. LTR: A	VERSION: 01	TDR: 000001158598
FILE: \AAA\00252\917	REVISED: 11:01:03 01/19/2021	BY: ENMARSO
MTL: —	© □	

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE CONNECTED, ECS

SH 1 of 1

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