ABB BALDOR RELIANCE

Customer information packet

EL3515T

2HP, 3450RPM, 1PH, 60HZ, 145T, 3535LC, TEFC, F1
Class - None
Division - Not Applicable

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11/26/2026 11:40:57 AM

Specifications

Enclosure	TEFC
Frame	143T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	115.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	C UR US
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
Current @ Voltage	16.800 A @ 115.0 V
	8.300 A @ 230.0 V
	9.100 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	77.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

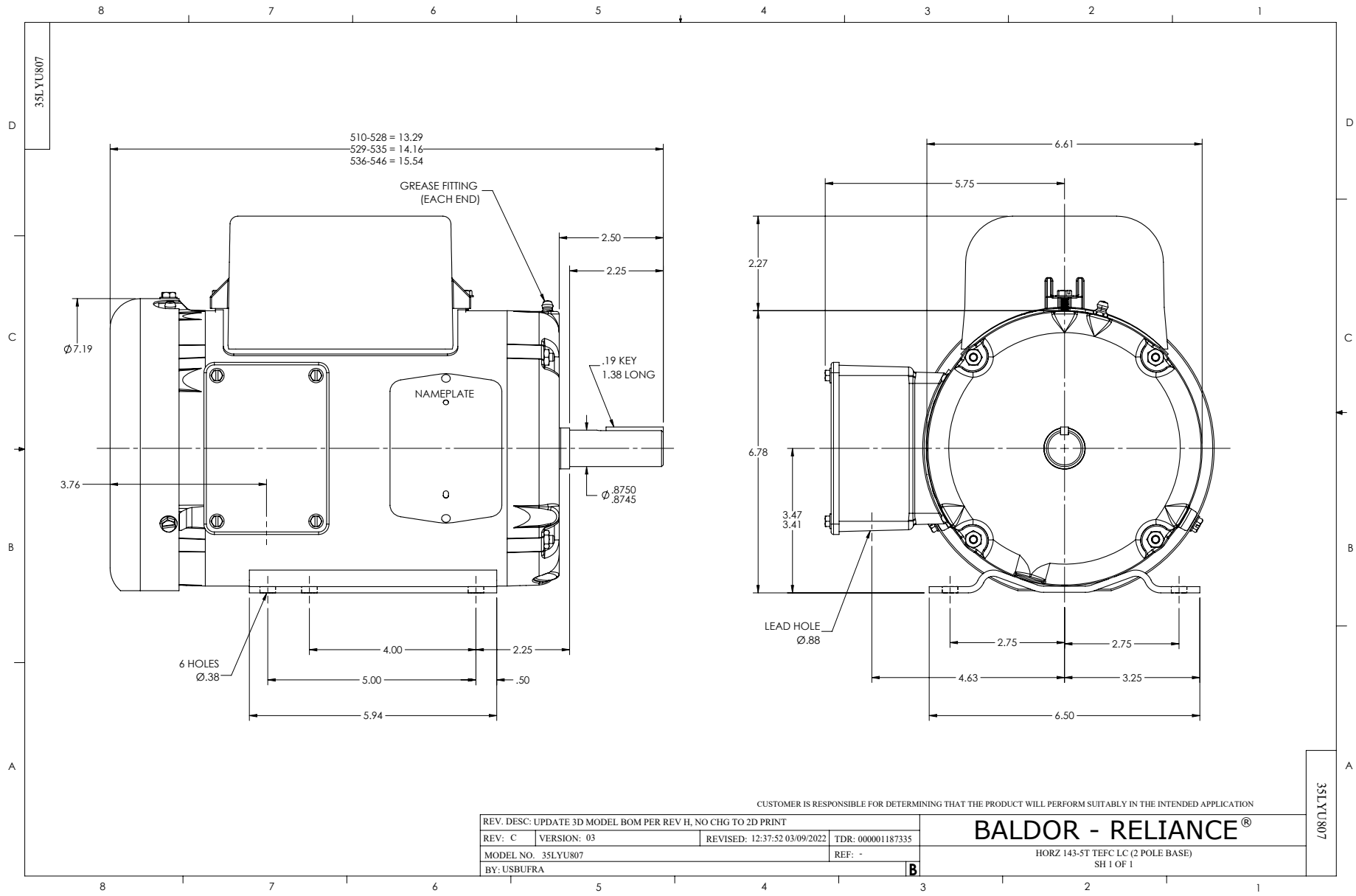
Revision	T
Type	AC
Mech. spec.	35U807
Base	
Status	PRD/A
Elec. spec.	35WGY963
Layout	35LYU807
Eff. date	04-30-2024
CD Diagram	CD0055
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	11-10-2008

High Voltage Full Load Amps	8.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3535LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.16 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP2116L										
CAT.NO.	EL3515T									
SPEC.	35U807Y963G1									
HP	2									
VOLTS	115/208-230									
AMP	16.8/9.1-8.3									
RPM	3450									
FRAME	143T		**HZ**	60		**PH**	1			
SER.F.	1.15	**CODE**	G	**DES**	L	**CL**	F			
NEMA-NOM-EFF	77	**PF**	96							
RATING	40C AMB-CONT									
CC										
DE	6205	**ODE**	6203							
ENCL	TEFC	**SN**								


35LYU807
510-528 = 13.29
529-535 = 14.16
536-546 = 15.54
GREASE FITTING
(EACH END)
2.50
2.25
Ø7.19
.19 KEY
1.38 LONG
NAMEPLATE
3.76
Ø .8750
.8745
6 HOLES
Ø.38
4.00
2.25
5.00
.50
5.94
6.61
5.75
2.27
6.78
3.47
3.41
LEAD HOLE
Ø.88
2.75
2.75
4.63
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV H, NO CHG TO 2D PRINT
REV: C
VERSION: 03
REVISED: 12:37:52 03/09/2022
TDR: 000001187335
MODEL NO. 35LYU807
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ 143-5T TEFC LC (2 POLE BASE)
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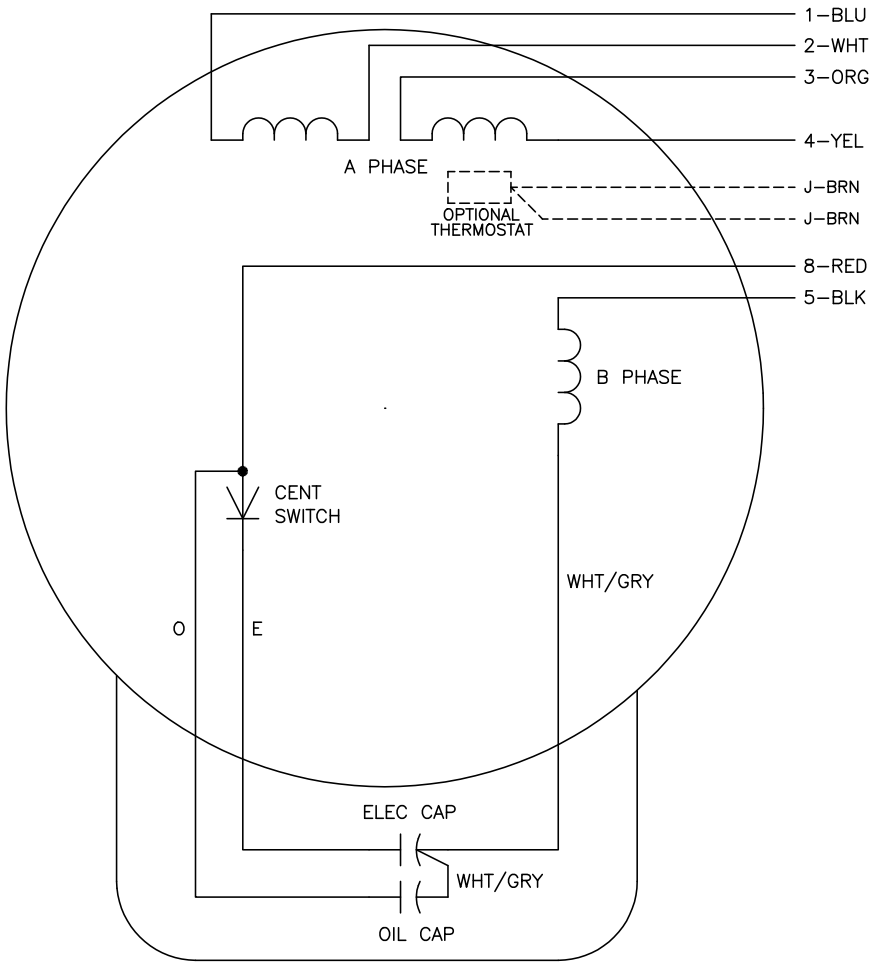
35LYU807

CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS