ABB BALDOR RELIANCE

Customer information packet

EL3514T

1.5HP, 1725RPM, 1PH, 60HZ, 145T, 3532LC, TEFC
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/1/2026 7:39:36 PM

Specifications

Enclosure	TEFC
Frame	145T
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	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 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	12.200 A @ 115.0 V
	6.100 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.1 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	L
Type	AC
Mech. spec.	35EE001
Base	
Status	PRD/A
Elec. spec.	35WGG242
Layout	35LYEE001
Eff. date	11-13-2025
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	08-01-2022

KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.16 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 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.	EL3514T										
SPEC.	35EE001G242G2										
HP	1.5										
VOLTS	115/230										
AMP	12.2/6.1										
RPM	1725										
FRAME	145T		**HZ**		60		**PH**	1			
SER.F.	1.15	**CODE**	H	**DES**	L	**CL**	F				
NEMA-NOM-EFF	80	**PF**	98								
RATING	40C AMB-CONT										
CC											
DE	6205	**ODE**	6203								
ENCL	TEFC	**SN**									
	SFA 14.4/7.2										

Parts List

Part number	Description	Quantity
SA407280	SA 35EE001G242G2	1.000 ea
RA398779	RA 35EE001G242G2	1.000 ea
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	1.000 ea
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 ea
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122A00	MASTER ODE,203 BRG,.683SH,#26 DRN,GRSR,F	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB3801	CAPACITOR COVER, CAST	1.000 ea
34GS3002	GASKET, CAPACITOR BOX	1.000 ea
HA7010	CAPACITOR RETENTION CLAMP	1.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3123F00	MASTER DE,205 BRG,.998SH,#26 DRN,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb

MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.017 ga
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 ea
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 ea
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 ea
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
NP2116L	ALUM SUPER-E UL CC	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 105134
Typical performance - not guaranteed values

Winding: 35WGG242-R001	**Type:** 3532LC	**Enclosure:** TEFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.57 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			12.2/6.1	**Breakdown Torque**	9.9 LB-FT
R.P.M.			1725	**Pull-up Torque**	8.1 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	13 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	88 A
Service Factor (S.F.)			1.15	**No-load Current**	1.68 A
NEMA Nom. Eff.	80	**Power Factor**	98	**Line-line Res. @ 25ºC**	0.517 Ω A Ph 1.32 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	61°C
S.F. Amps				**Temp. Rise @ S.F. Load**	76°C
				Locked-rotor Power Factor	91.9
				Rotor inertia	0.232 lb-ft²

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	94	98	98	98	97	96	97
Efficiency	71.4	82.4	84	82.2	77.7	70.5	79.5
Speed	1782	1765	1746	1723	1690	1642	1703
Line amperes	3.54	6.02	8.84	12.06	16.08	21.4	14.5

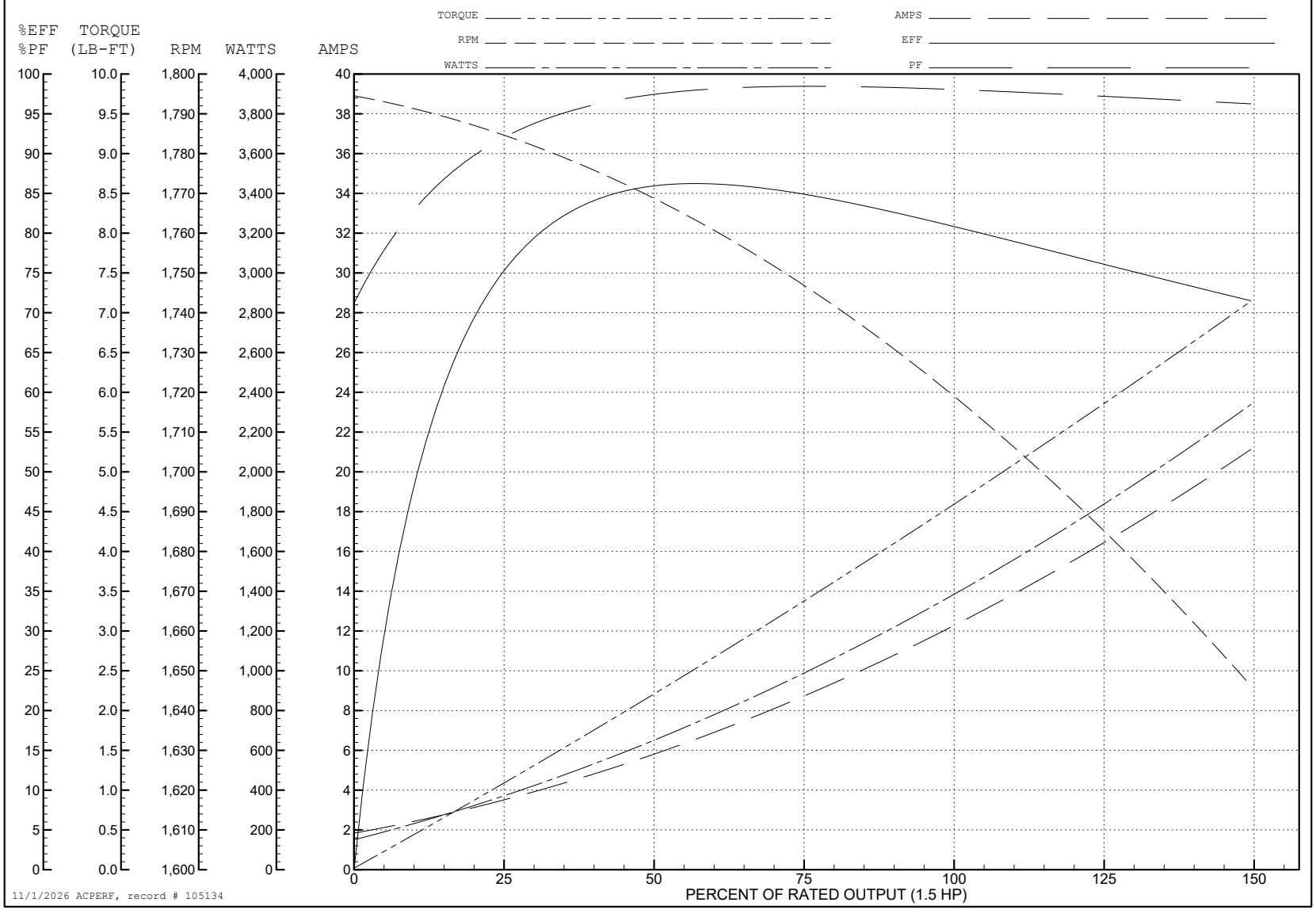
ABB Motors and Mechanical Inc.

WINDING # 35WGG242

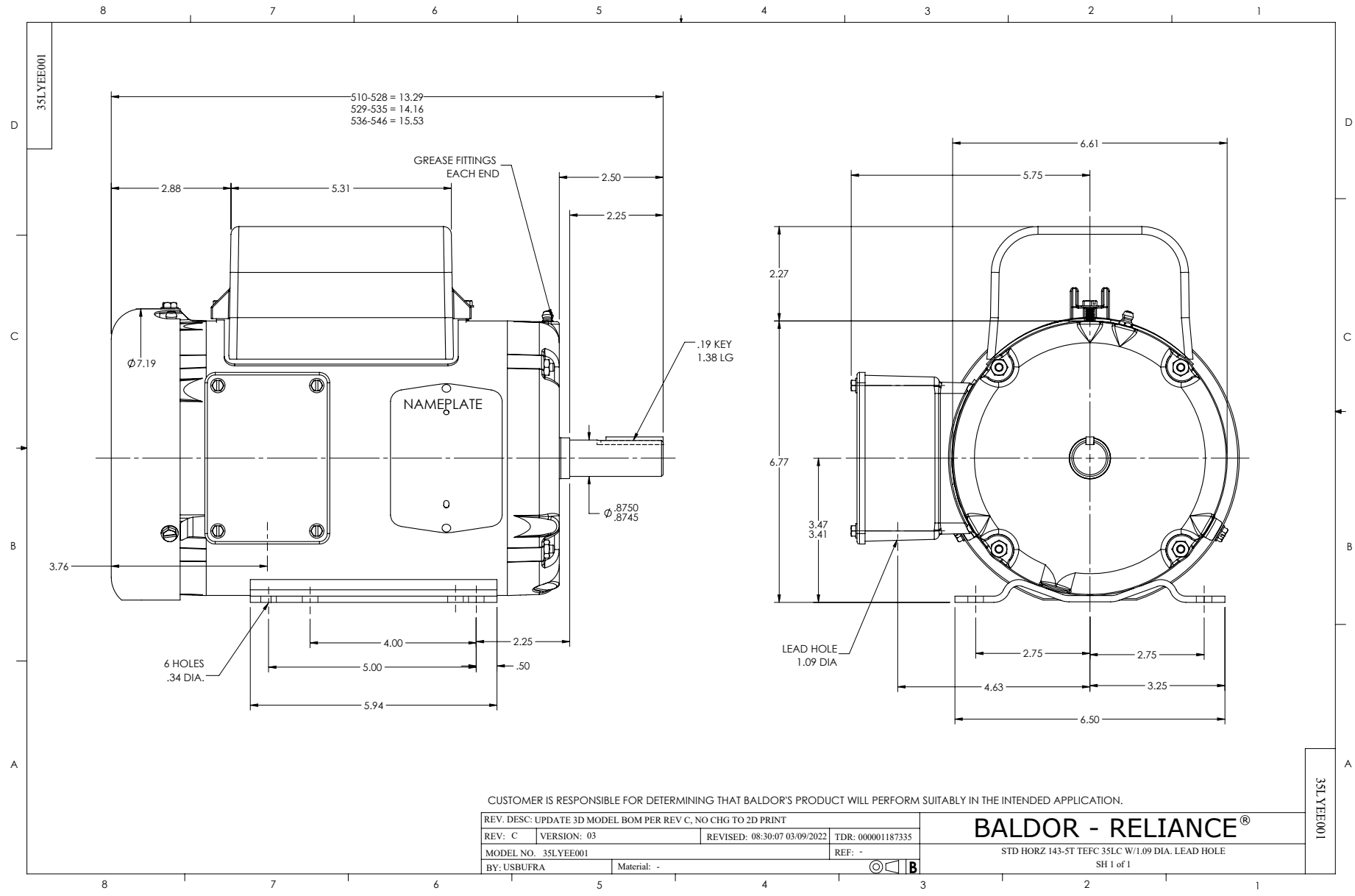
1.5 HP 1 PH 60 HZ 1725 RPM 115 V 3532LC

Typical performance - not guaranteed values.

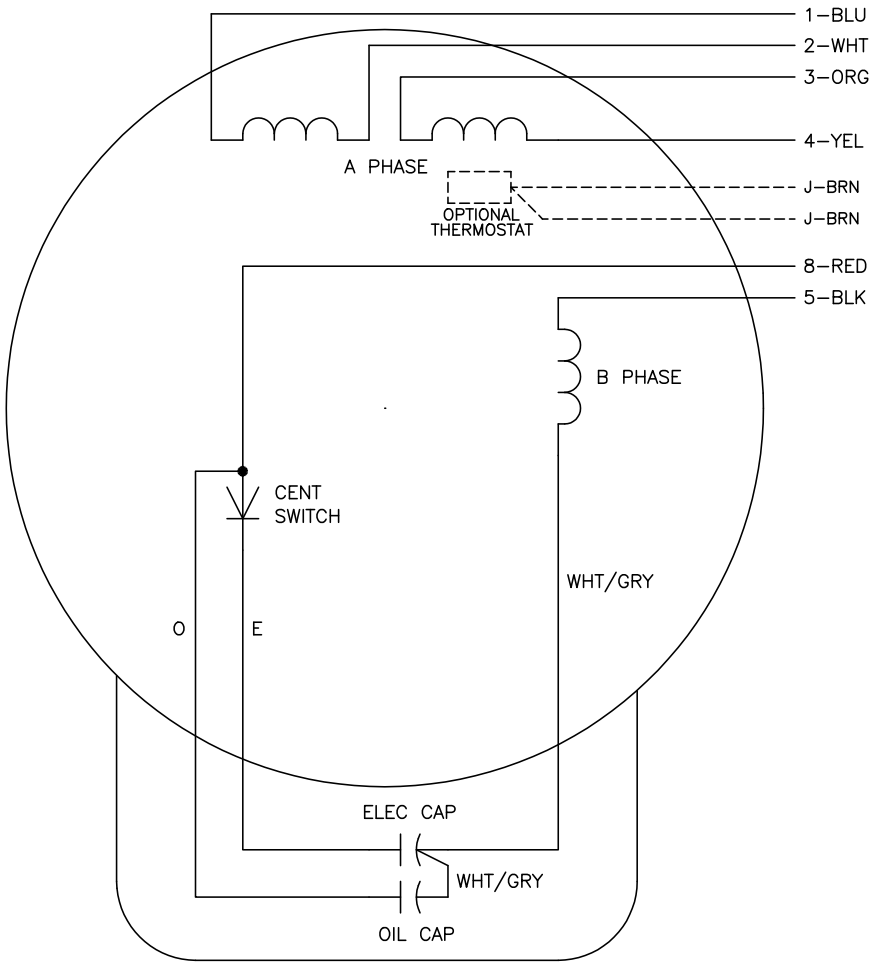
TORQUES(LB-FT): PO=9.9 PU=8.1 LR=13 LRA=88



11/1/2026 ACPERF, record # 105134


35LYEE001
510-528 = 13.29
529-535 = 14.16
536-546 = 15.53
GREASE FITTINGS
EACH END
2.88
5.31
2.50
2.25
.19 KEY
1.38 LG
Ø7.19
NAMEPLATE
Ø .8750
Ø .8745
3.76
4.00
2.25
6 HOLES
.34 DIA.
5.00
.50
5.94
6.61
5.75
2.27
6.77
3.47
3.41
LEAD HOLE
1.09 DIA
2.75
2.75
4.63
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: UPDATE 3D MODEL BOM PER REV C, NO CHG TO 2D PRINT
REV: C
VERSION: 03
REVISED: 08:30:07 03/09/2022
TDR: 000001187335
MODEL NO. 35LYEE001
REF: -
BY: USBUFRA
Material: -
B
BALDOR - RELIANCE®
STD HORZ 143-5T TEFC 35LC W/1.09 DIA. LEAD HOLE
SH 1 of 1
35LYEE001

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