

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **EL3515T**

**2HP,3450RPM,1PH,60HZ,145T,3535LC,TEFC,F1**

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3535LC	Elec. Spec:	35WGY963	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35U807	Layout:	35LYU807
Frame:	145T	Mounting:	F1	Poles:	02	Created Date:	11-10-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-30-2016
Leads:	4#16 A PH,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2116L												
CAT.NO.	EL3515T											
SPEC.	35U807Y963G1											
HP	2											
VOLTS	115/208-230											
AMP	16.8/9.1-8.3											
RPM	3450											
FRAME	145T					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								USABLE AT 208V				
DE	6205			ODE	6203							
ENCL	TEFC			SN								

Parts List		
Part Number	Description	Quantity
SA177140	SA 35U807Y963G1	1.000 EA
RA165192	RA 35U807Y963G1	1.000 EA
OC3050C09	CYL OIL CAP 50MFD/240V	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
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	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
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A01SP	PUEP-ENCLOSED-205 BRG-W/GREASER	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

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
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
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
35GS1030	35 GS FOR CB LID - LEXIDE	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
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
SP5181A28	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP2116L	ALUM SUPER-E UL CSA CC	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**  
Record # 32096 - Typical performance - not guaranteed values

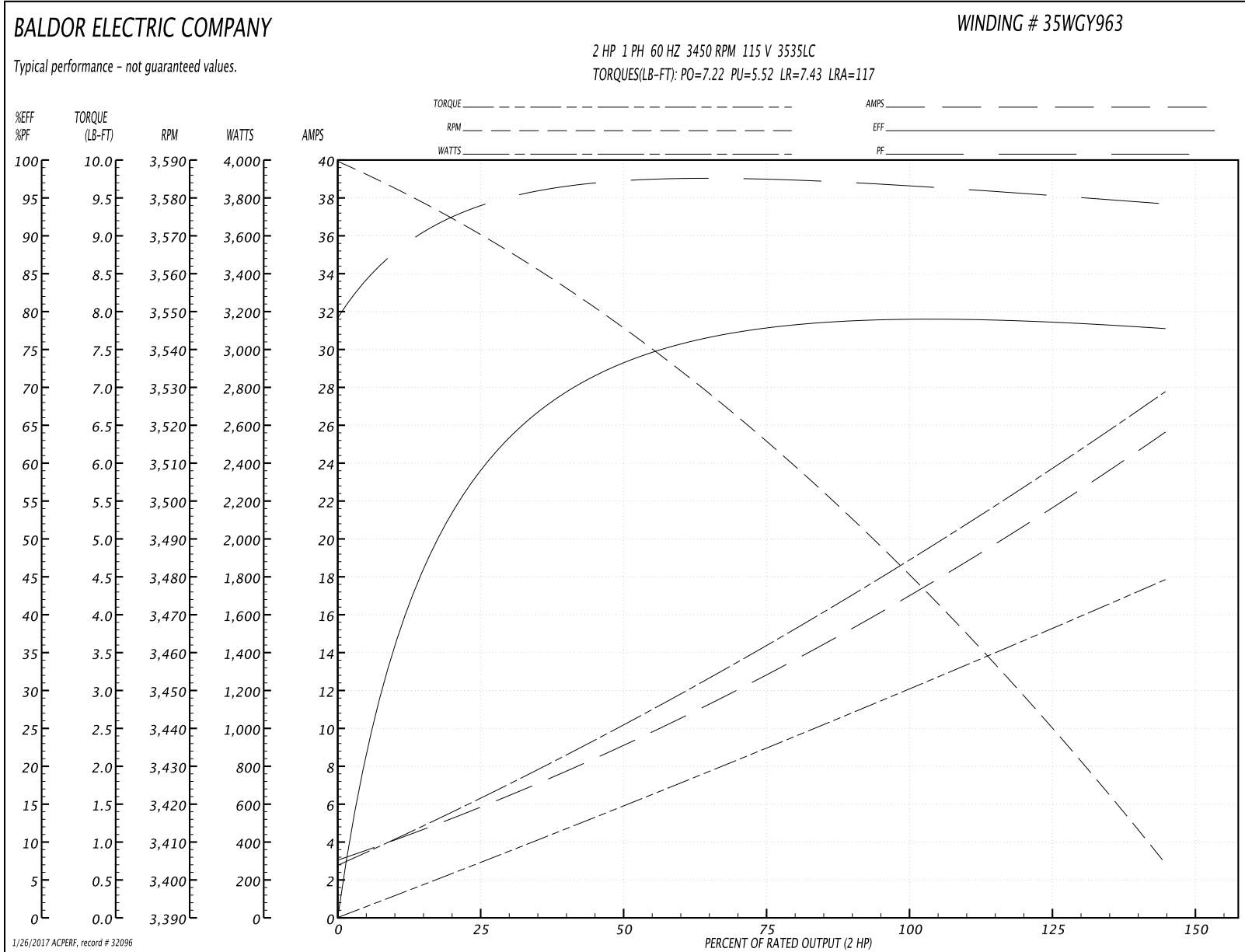
<b>Winding:</b> 35WGY963-R004	<b>Type:</b> 3535LC	<b>Enclosure:</b> TEFC
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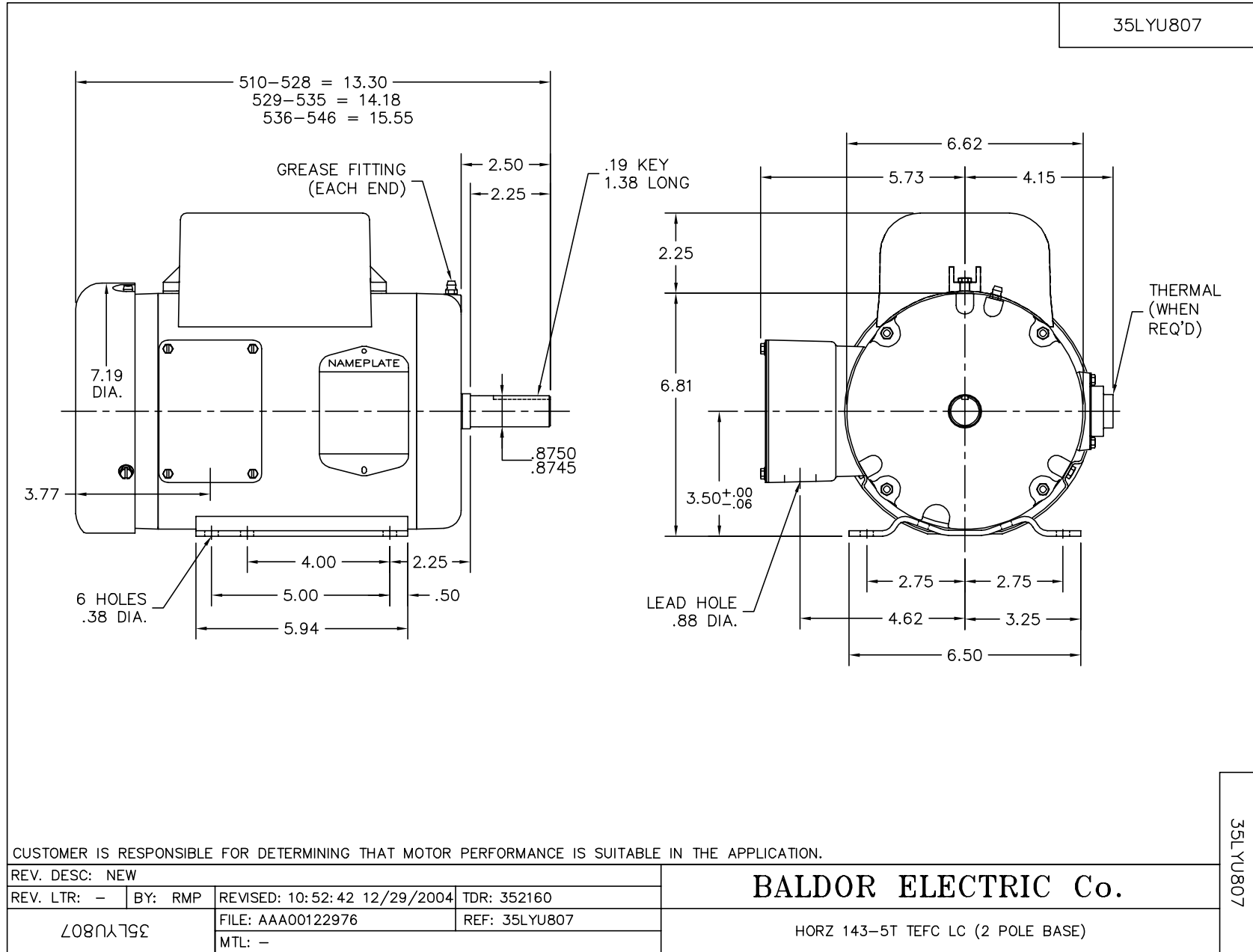
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	2			Full Load Torque	2.99 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	16.8/9.1-8.3			Breakdown Torque	7.22 LB-FT
R.P.M.	3450			Pull-up Torque	5.52 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.43 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	117 A
Service Factor (S.F.)	1.15			No-load Current	2.9 A
NEMA Nom. Eff.	77	Power Factor	96	Line-line Res. @ 25°C	0.256 Ω A Ph 1.64 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	93	97	98	97	96	94	96
Efficiency	58.9	72.7	77.8	79.4	79.1	77.4	79.2
Speed	3569	3543	3515	3484	3447	3402	3462
Line amperes	6.07	9.34	12.8	16.7	21	25.8	19.3

Performance Graph at 115V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0055



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
990000		FILE: AAA00007414	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, 6 LEADS

CD0055