

BALDOR® • RELIANCE

Product Information Packet

L3514TM

1.5HP,1725RPM,1PH,60HZ,145T,3532LC,TEFC

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3532LC	Elec. Spec:	35WGW114	CD Diagram:	CD0016A02
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35HH612	Layout:	35LYHH612
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	12-22-2009
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-17-2016
Leads:	4#16 A&J,3#18 B PH,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	L3514TM									
SPEC.	35HH612W114									
HP	1.5									
VOLTS	115/208-230									
AMP	16/7.9-8									
RPM	1725									
FRAME	145T				HZ 60				PH 1	
SER.F.	1.00		CODE J		DES L		CL B			
NEMA-NOM-EFF	75.5		PF 80							
RATING	40C AMB-CONT									
CC			USABLE AT 208V							
DE	6205		ODE 6203							
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA189103	SA 35HH612W114	1.000 EA
RA176822	RA 35HH612W114	1.000 EA
OC3015F12SP	CYL OIL CAP 15MFD/370V	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
36GS1000	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
35FE3100M01	FREP TEFC ASSEMBLY FOR ROUTING	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
35PE3101A01	PUEP ASSEMBLY FOR ROUTING	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

Parts List (continued)		
Part Number	Description	Quantity
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
SP5181A03	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0016	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	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 # 36867 - Typical performance - not guaranteed values

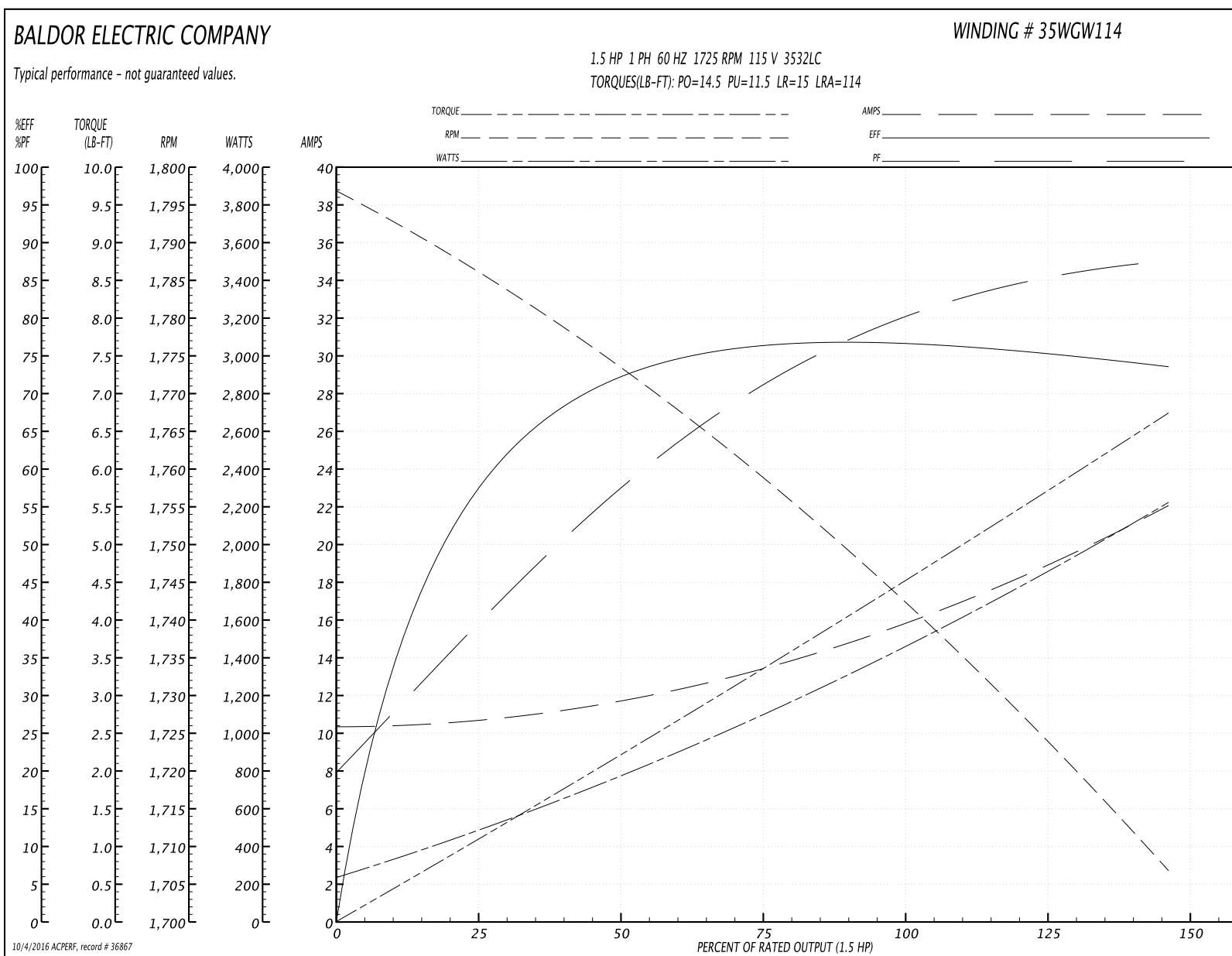
Winding: 35WGW114-R004	Type: 3532LC	Enclosure: TEFC
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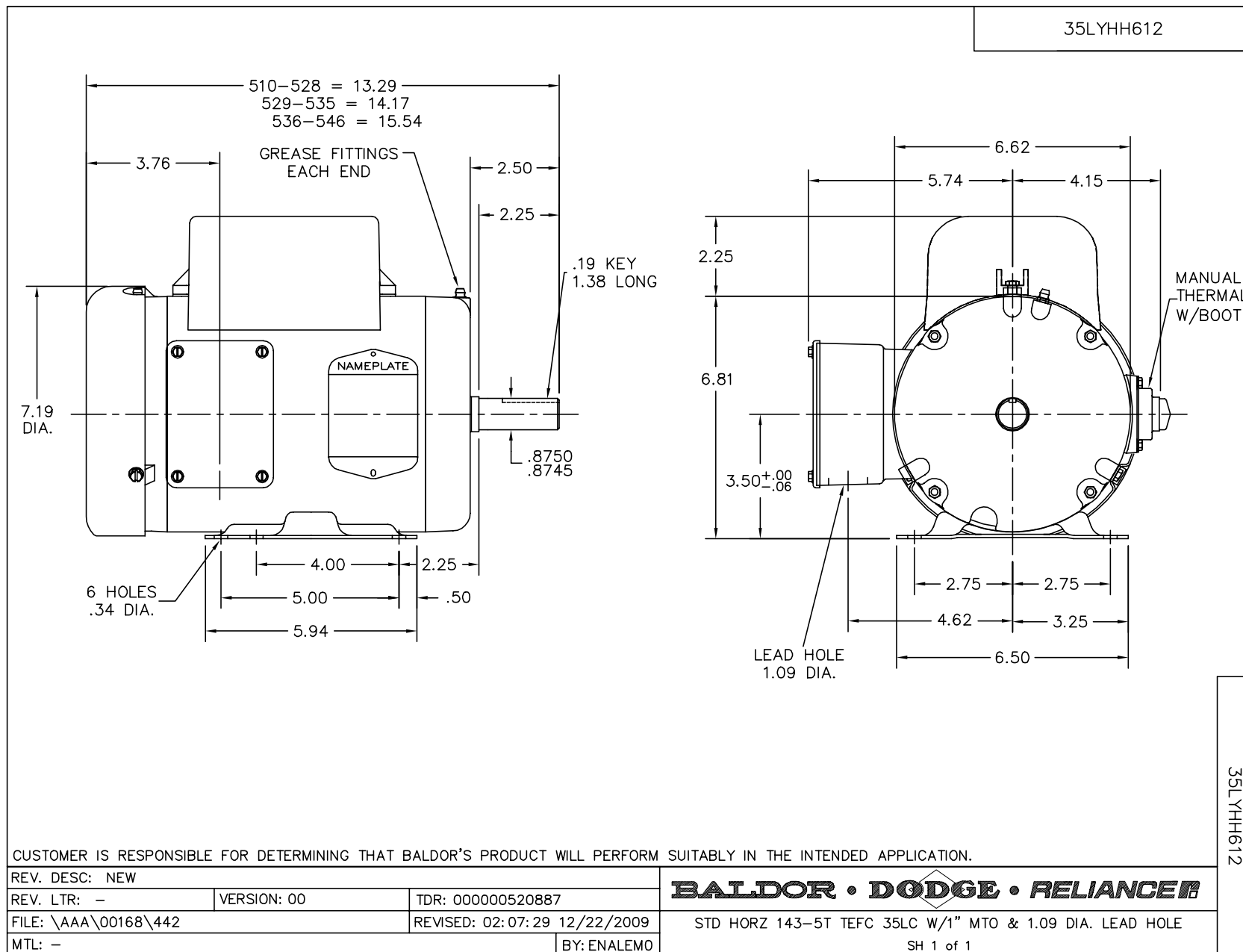
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.5 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	16/7.9-8			Breakdown Torque	14.5 LB-FT
R.P.M.	1725			Pull-up Torque	11.5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	114 A
Service Factor (S.F.)	1			No-load Current	10.4 A
NEMA Nom. Eff.	75.5	Power Factor	80	Line-line Res. @ 25°C	0.354 Ω A Ph 1.12 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C

Load Characteristics 115 V, 60 Hz, 1.5 HP

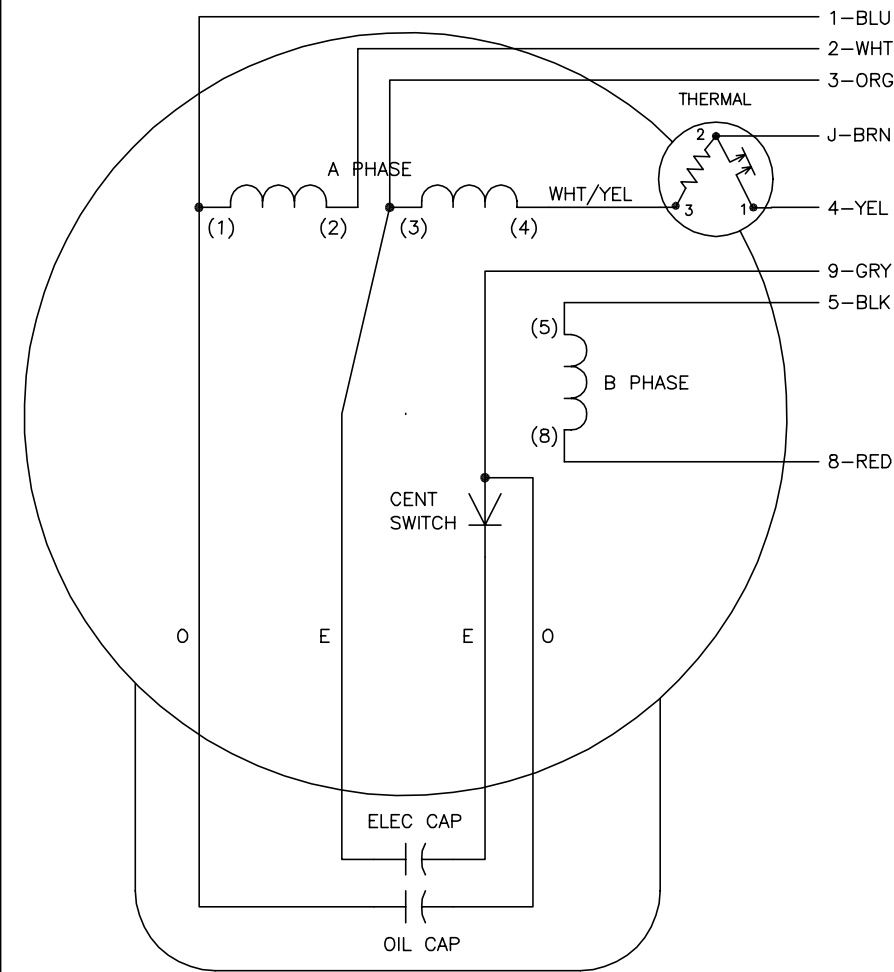
% of Rated Load	25	50	75	100	125	150
Power Factor	40	58	72	80	84	88
Efficiency	59.4	71.7	76.2	76.7	75.8	73.4
Speed	1784	1773	1759	1743	1726	1706
Line amperes	10.6	11.8	13.4	15.8	18.8	22

Performance Graph at 115V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CD0016A02



	LINE A	LINE B	JOIN	JOIN	JOIN
HIGH STD	1	4	2,3	8,9	J,5
HIGH OPP	1	4	2,3	5,9	J,8
LOW STD	1,3	4	8,9	2,J,5	—
LOW OPP	1,3	4	5,9	2,J,8	—

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

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: F	VERSION: 01	TDR: 000000373039
Z0V910000	FILE: \AAA\00007\411	REVISED: 10:13:25 08/11/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, OIL CAP ACR. LINE, THERMAL, 8 LEADS

CD0016A02