

BALDOR® • RELIANCE

Product Information Packet

L3514A

1.5HP,1725RPM,1PH,60HZ,56/56H,3532LC

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3532LC	Elec. Spec:	35WGW159	CD Diagram:	CD0016A02
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35J385	Layout:	35LYJ385
Frame:	56/56H	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-22-2015
Leads:	4#16 A&J,3#18 B PH,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	L3514A										
SPEC.	35J385W159										
HP	1.5										
VOLTS	115/230										
AMP	16/8										
RPM	1725										
FRAME	56/56H					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
SA025963	SA 35J385W159	1.000 EA
RA022013	RA 35J385W159	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
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3100M02	FREP TEFC 203 BRG W/O GR SR (RAISED FH MT	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
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32	IEC FH NO GR SR W/3 HOLES - PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	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
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
LC0016	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
SP5181A03	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	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 # 9771 - Typical performance - not guaranteed values

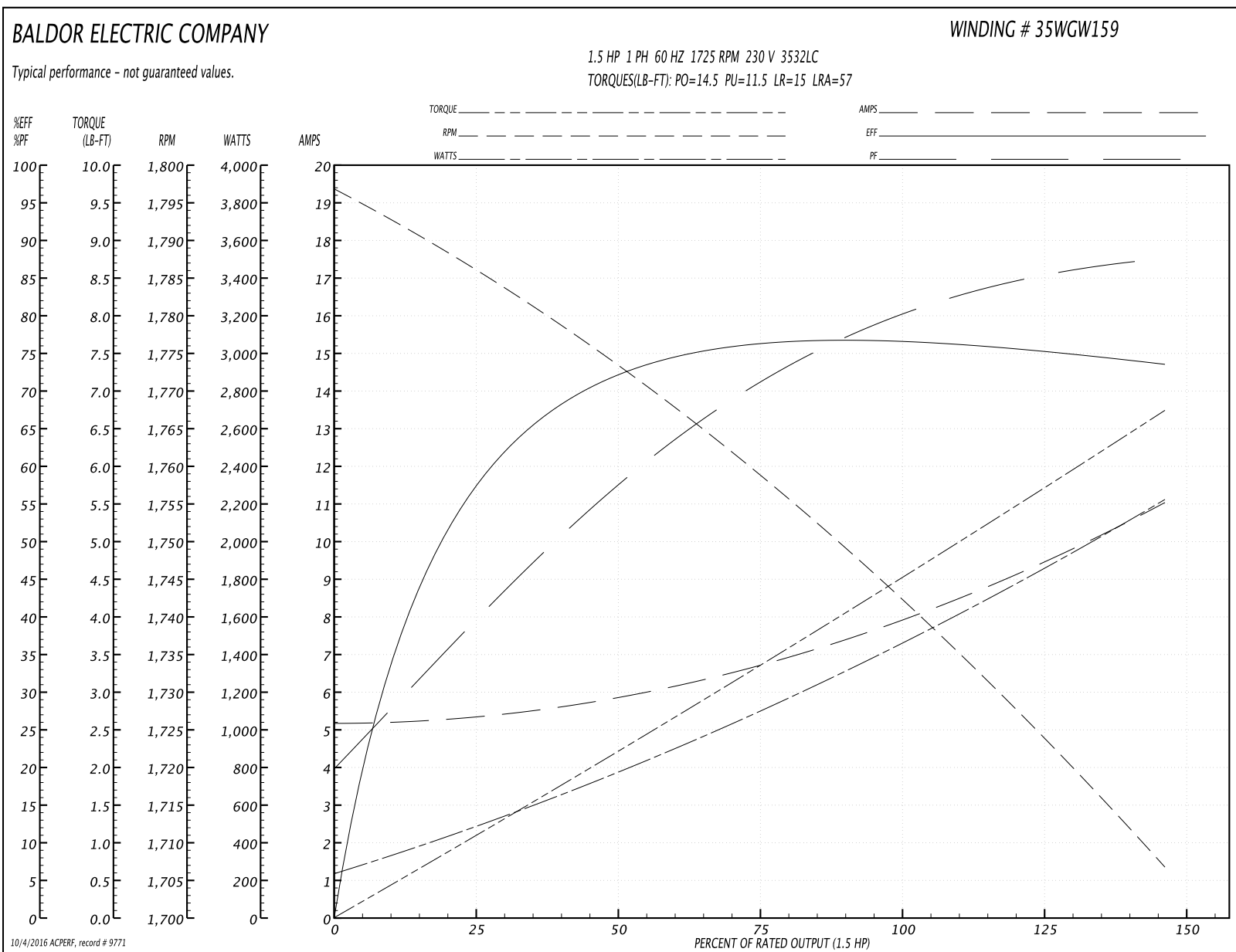
Winding: 35WGW159-R001	Type: 3532LC	Enclosure: TEFC
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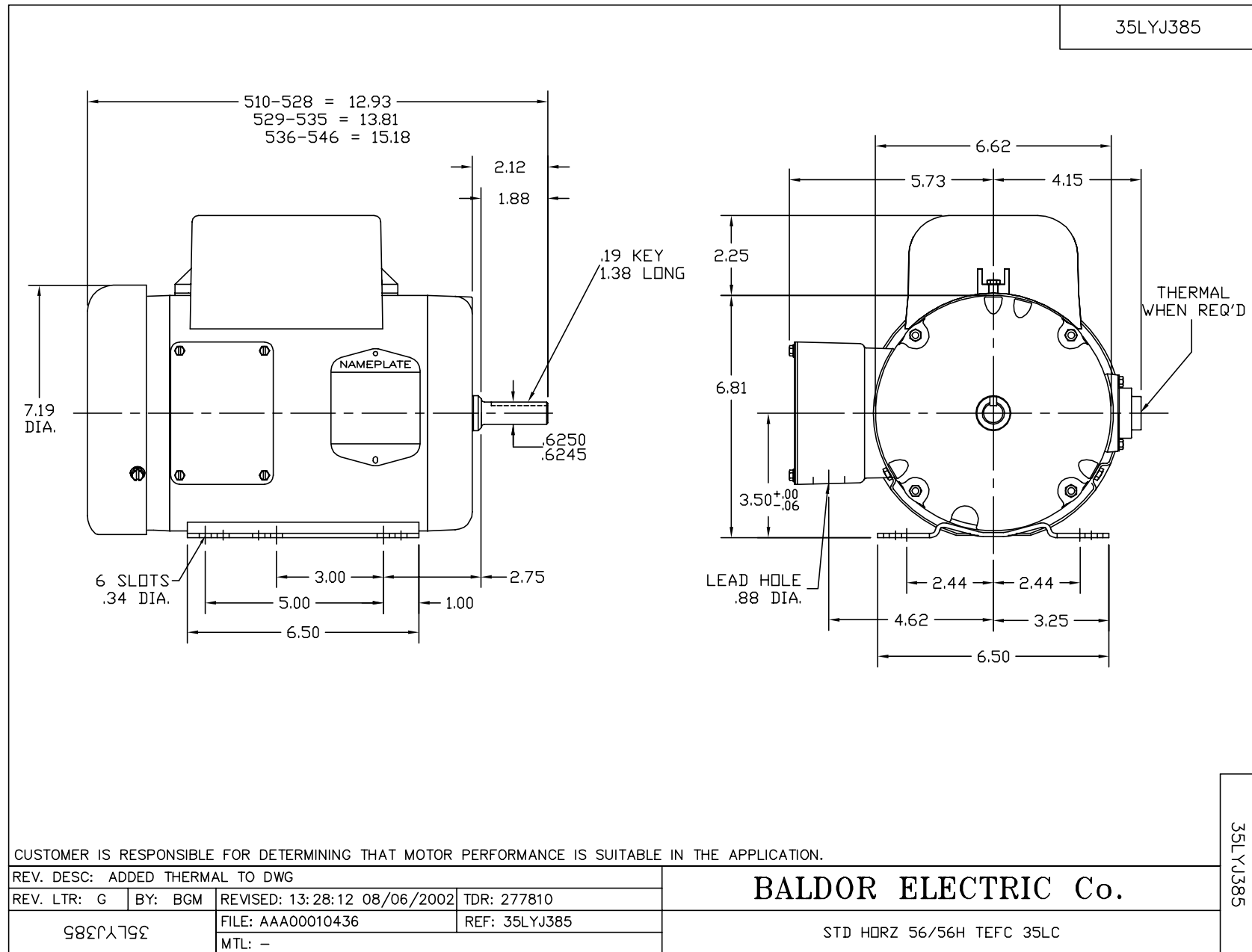
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.5 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	16/8			Breakdown Torque	14.5 LB-FT
R.P.M.	1725			Pull-up Torque	11.5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	57 A
Service Factor (S.F.)	1			No-load Current	5.2 A
NEMA Nom. Eff.	75.5	Power Factor	80	Line-line Res. @ 25°C	1.41 Ω A Ph 1.18 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

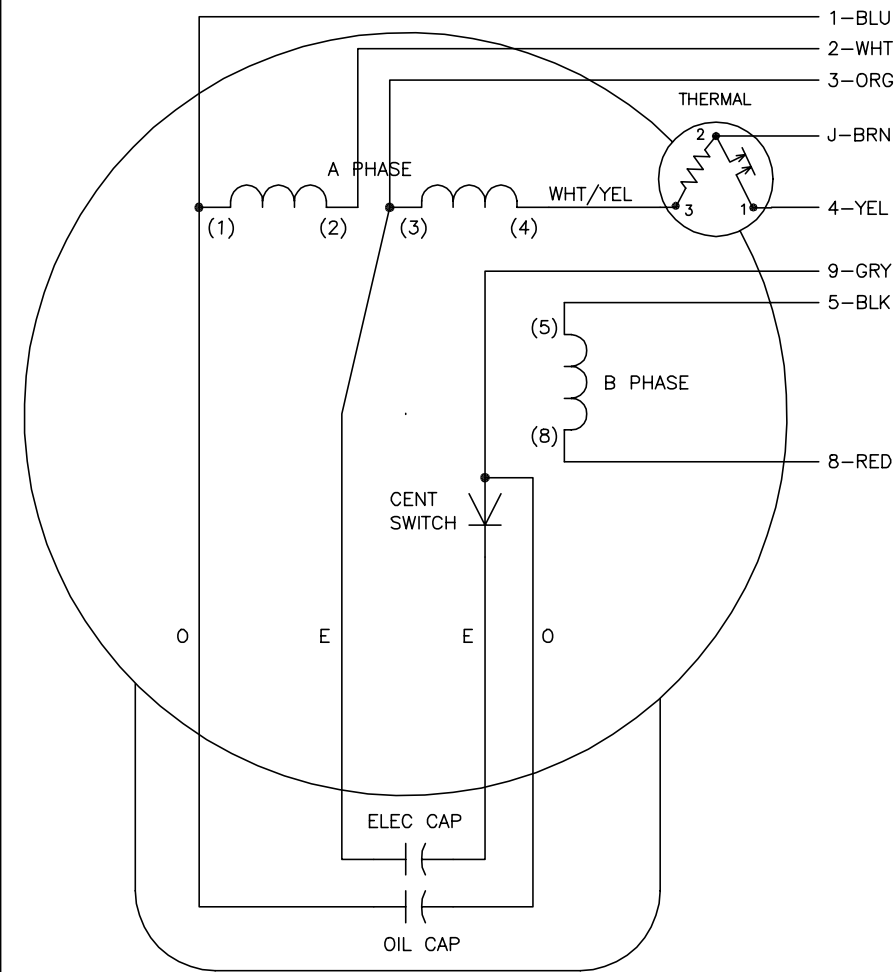
% of Rated Load	25	50	75	100	125	150
Power Factor	42	59	72	80	85	88
Efficiency	59.1	71.6	76.1	76.6	75.7	73.4
Speed	1784	1773	1759	1743	1726	1706
Line amperes	5.3	5.9	6.7	7.9	9.4	11

Performance Graph at 230V, 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
Z0V91000C CD0016A02	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