

BALDOR® • RELIANCE

Product Information Packet

L5007A-C

.75HP,1725RPM,1PH,60HZ,56,3524L,XPFC,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524L	Elec. Spec:	35WG0526	CD Diagram:	CD0008
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35U585	Layout:	35LYU585
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	11-21-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	04-02-2015
Leads:	6#18,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0301XPSL

NO.		CC	
SER.			
SPEC.	35U585-0526G1		
CAT.NO.	L5007A-C		
HP	.75	T. CODE	T4
VOLTS	115/230		
AMPS	10.6/5.3		
RPM	1725		
HZ	60	PH	1
SER.F.	1.00	DES	N
RATING	40C AMB-CONT		
FRAME	56	CL	B
USABLE AT 208V		CODE	L
BLANK		PF	68
		NEMA-NOM-EFF	66

Parts List		
Part Number	Description	Quantity
SA166081	SA 35U585-0526G1	1.000 EA
RA154462	RA 35U585-0526G1	1.000 EA
TPMRJ26BV	THERMAL 1PH .75 AUT 105C X	1.000 EA
EC1324A02	ELEC CAP, 324-389 MFD, 125V, 1.48D X 3.	2.000 EA
35CB1005A01	CONDUIT BOX,MACH - GROUP "C" MTRS	1.000 EA
35EP3700B01	FR ENDPLATE, XPFC - GROUP C MTRS	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3701A02	PU ENDPLATE, XPFC - 205 BRG - GROUP C MT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB1501A01	CONDUIT BOX LID, MACH. - GROUP "C" MTRS	1.000 EA
RM1020A41	O-RING, -150 BUNA-N, .103 CS X 2.862 ID	1.000 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	6.000 EA
LB1359F	ALUM XP CAUTION LABEL	1.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	2.000 EA
NS2500A06	INSULATOR,AUTO THER PROT,W/PSA ON 1 SIDE	1.000 EA
SP5055A11	MODEL 35 TYPE L STATIONARY SWITCH WITH L	1.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
NP0301XPSL	SS XP UL CSA CC CL-I GP-C&D CL-II GP-F&G	1.000 EA
G7PA1000	PKG GRP, PRINT PK1034A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 20314 - Typical performance - not guaranteed values

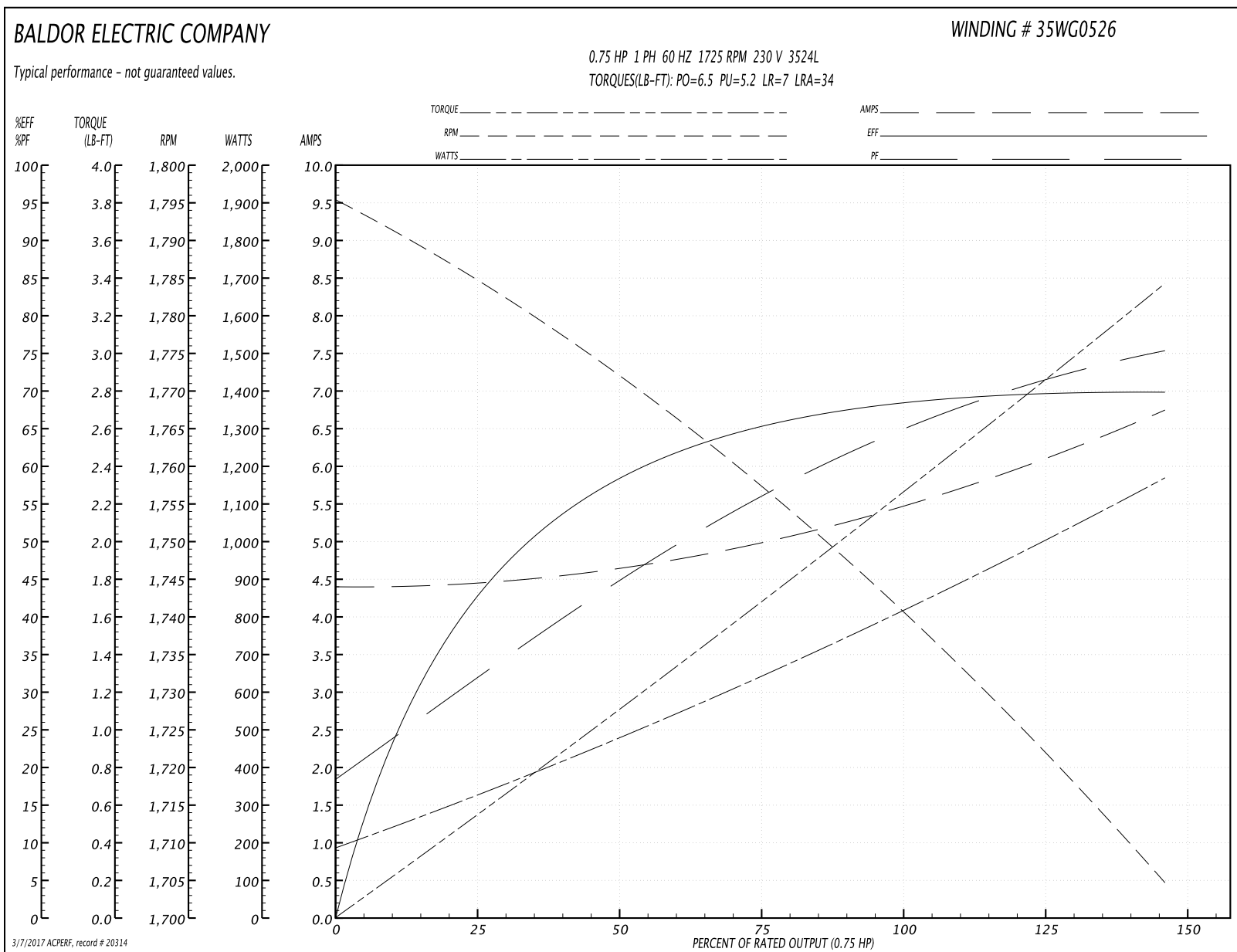
Winding: 35WG0526-R002	Type: 3524L	Enclosure: XPFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	10.6/5.3			Breakdown Torque	6.5 LB-FT
R.P.M.	1725			Pull-up Torque	5.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	34 A
Service Factor (S.F.)	1			No-load Current	4.4 A
NEMA Nom. Eff.	66	Power Factor	68	Line-line Res. @ 25°C	2.84 Ω A Ph 1.57 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	45	56	65	72	78	0
Efficiency	42.5	58.2	65.4	68.7	69.9	69.6	0
Speed	1784	1771	1757	1742	1724	1704	0
Line amperes	4.45	4.65	5	5.45	6.05	6.75	6.05

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 51898 - Typical performance - not guaranteed values

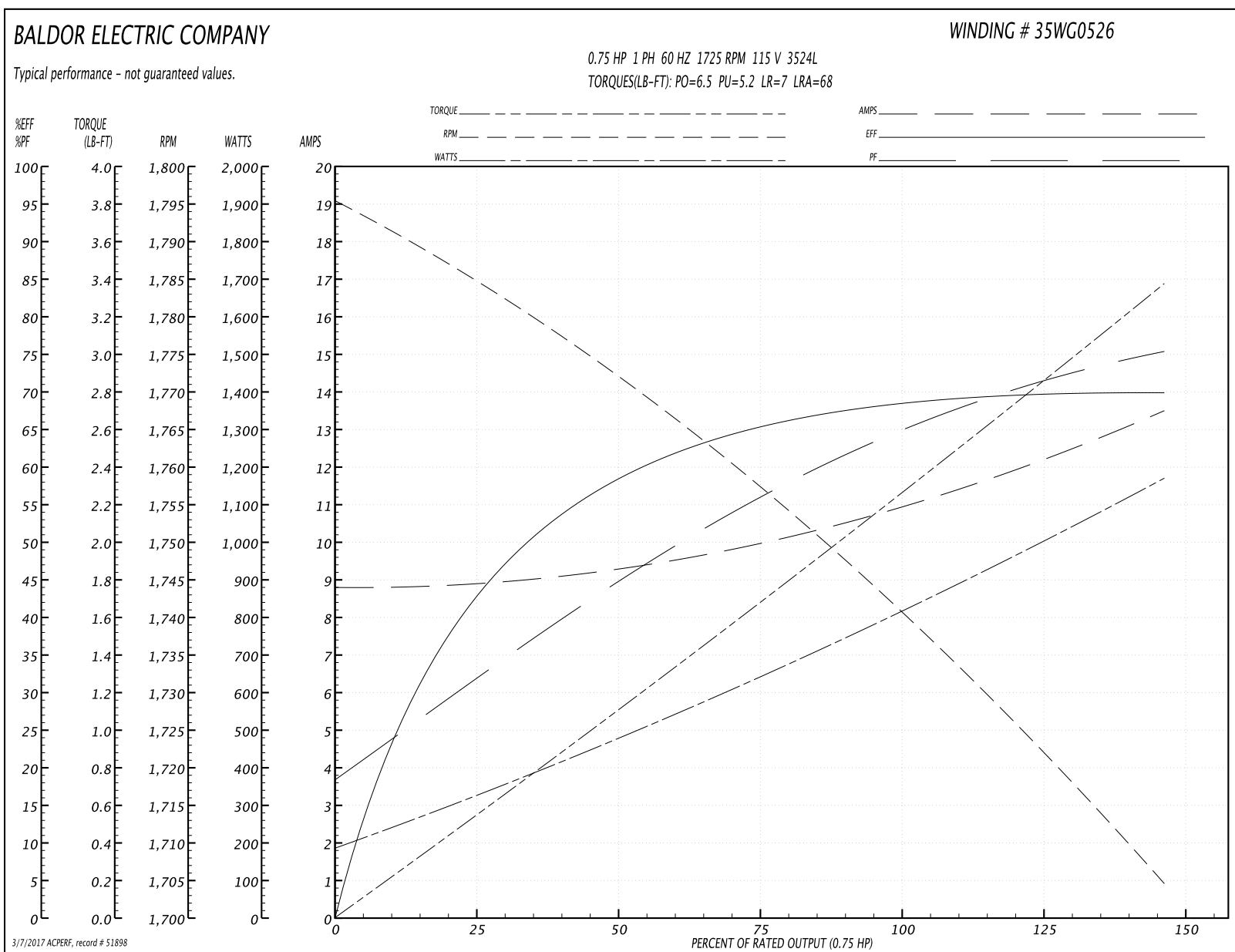
Winding: 35WG0526-R002	Type: 3524L	Enclosure: XPFC
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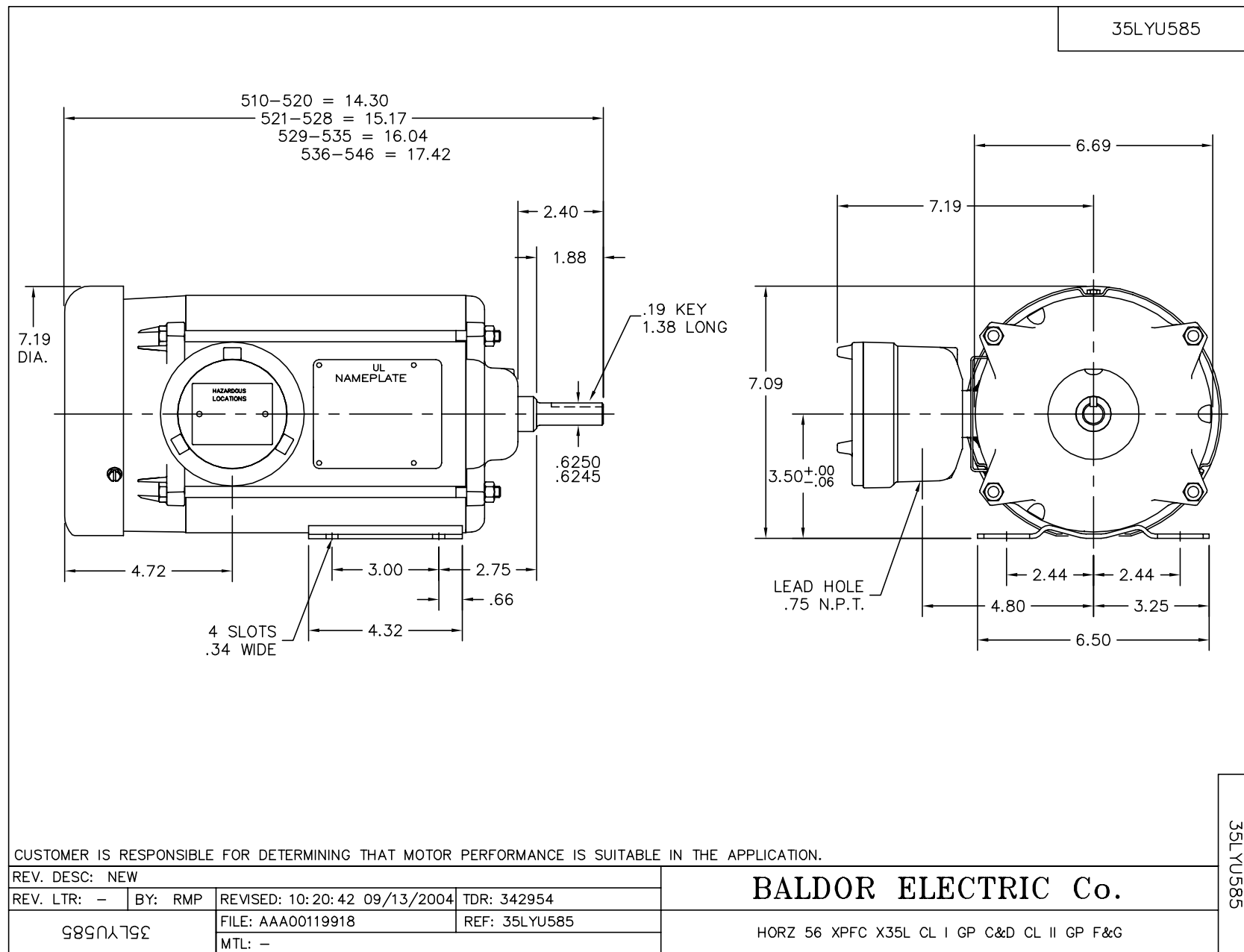
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	10.6/5.3			Breakdown Torque	6.5 LB-FT
R.P.M.	1725			Pull-up Torque	5.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	68 A
Service Factor (S.F.)	1			No-load Current	8.8 A
NEMA Nom. Eff.	66	Power Factor	68	Line-line Res. @ 25°C	0.712 Ω A Ph 1.5 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C
S.F. Amps				Temp. Rise @ S.F. Load	76°C
				Locked-rotor Power Factor	97
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 115 V, 60 Hz, 0.75 HP

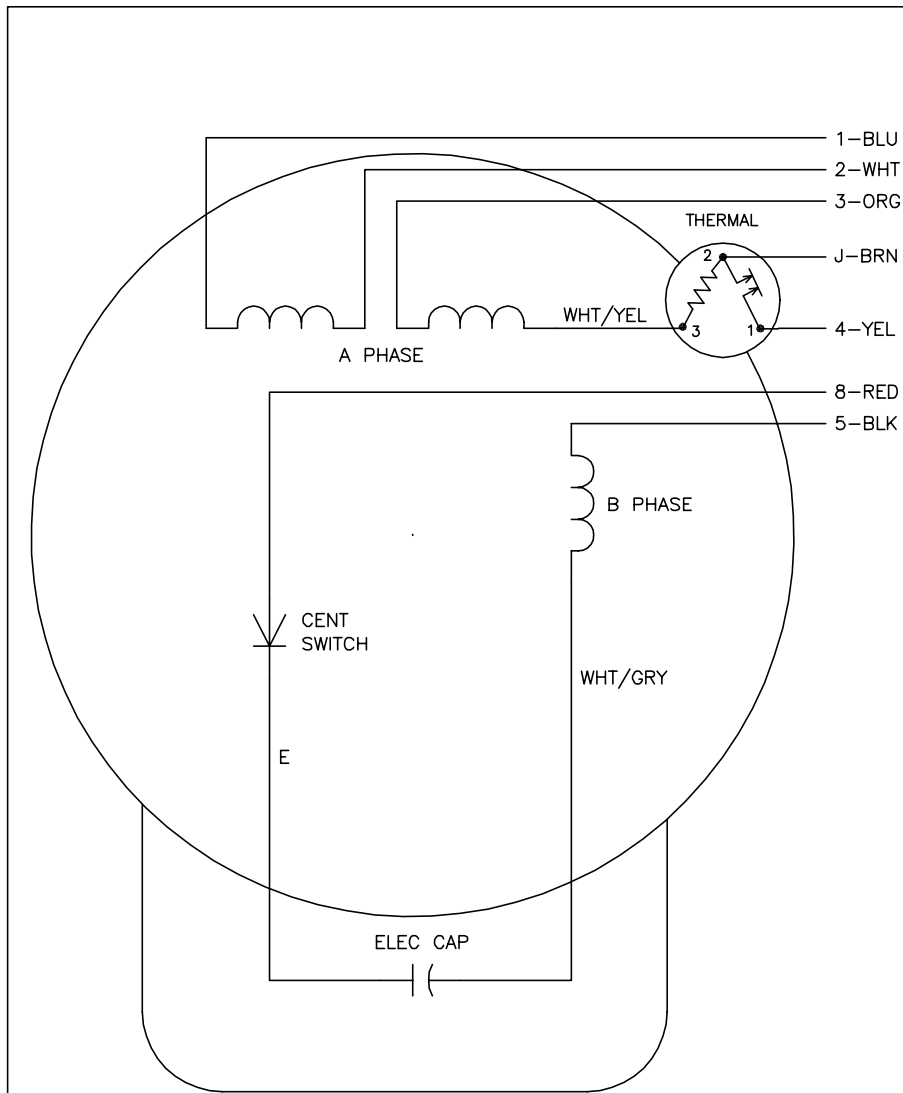
% of Rated Load	25	50	75	100	125	150
Power Factor	33	45	56	65	71	76
Efficiency	42.6	58.5	65.5	68.8	69.9	69.7
Speed	1784	1771	1757	1742	1724	1704
Line amperes	8.9	9.3	10	10.9	12.1	13.5

Performance Graph at 115V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	—	2,J,5
LOW OPP	1,3,5	4	—	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 2-TERMINAL THERMAL DETAIL, SEE CD0008A02			
REV. LTR: F		VERSION: 01	TDR: 000000360649
800000		FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
		MTL: - BY: ENJOEPO	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS