

BALDOR® • **RELIANCE**

Product Information Packet

L3705

3HP, 1725RPM, 1PH, 60HZ, 215, 3735LC, TEFC, F1

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Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3735LC	Elec. Spec:	37WGX229	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37C011	Layout:	
Frame:	215	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-20-2009
Leads:	8#14	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L									
CAT.NO.	L3705								
SPEC.	37C11X229								
HP	3								
VOLTS	115/230								
AMP	30/14								
RPM	1725								
FRAME	215	HZ	60	PH	1				
SER.F.	1.15	CODE	K	DES	L	CLASS	B		
NEMA-NOM-EFF	80	PF	90						
RATING	40C AMB-CONT								
CC				USABLE AT 208V	15				
DE	6307	ODE	6206						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA030594	SA 37C11X229	1.000 EA
RA026633	RA 37C11X229	1.000 EA
OC3020F12SP	CYL OIL CAP 20MFD/370V	1.000 EA
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	2.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01SP	FR ENDPLATE,TEFC, 37 L&M, W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	2.000 EA
NS2539	INSULATOR FOR 37 FRAMESWITCH (MH1011A10)	1.000 EA
37GS3012A01	GASKET,CAP.BOX 1/16"THICKLEXIDE SV-330 T	1.000 EA
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100A01SP	STD PU ENDPLATE, ENCL,37 "T"-307 BRG, W/	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007A41	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA

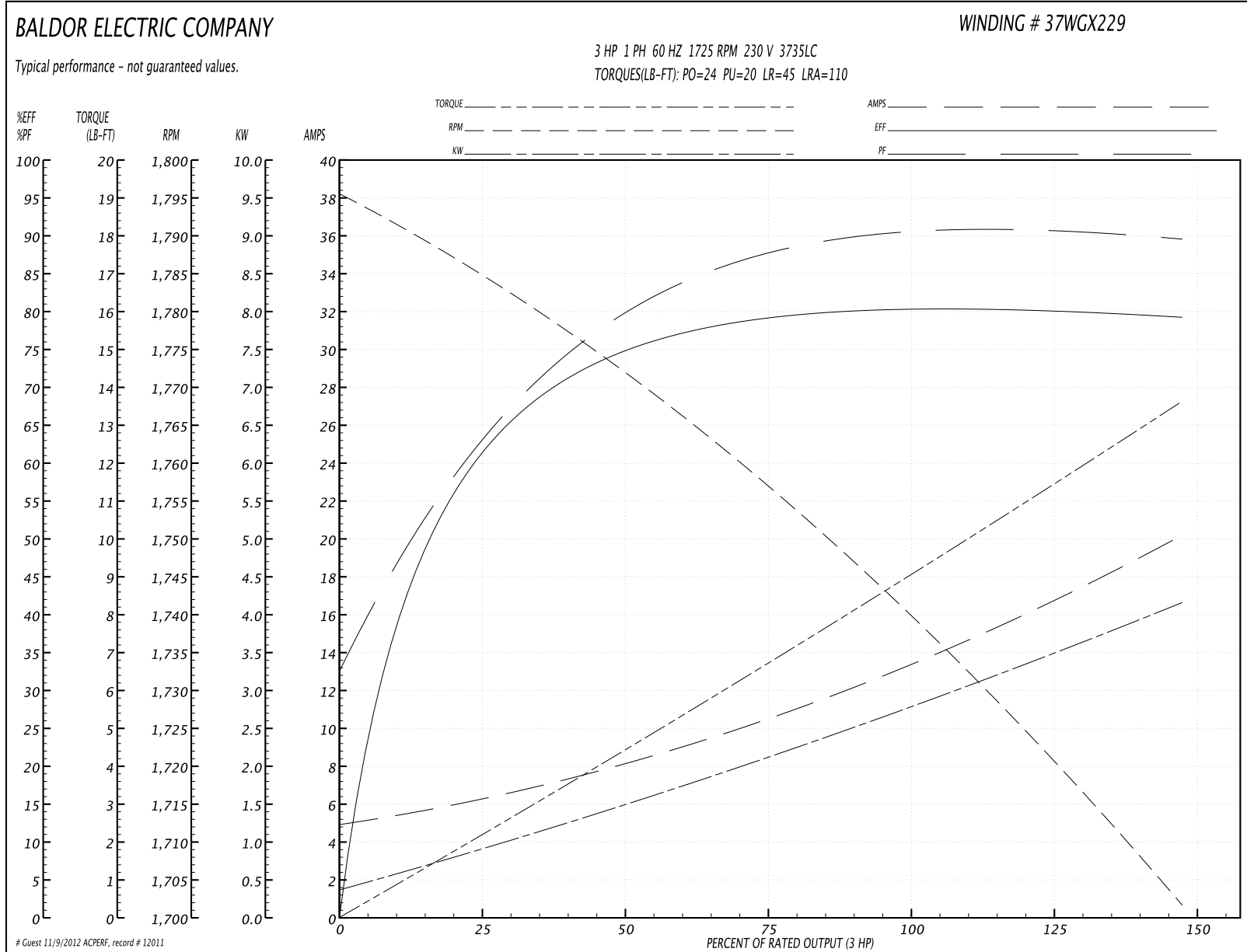
Parts List (continued)		
Part Number	Description	Quantity
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
37CB3802SP	CAPACITOR COVER, CAST	1.000 EA
HA7010A01	CAPACITOR RETENTION CLAMP, 6.562 LONG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.028 GA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	6.000 EA
SP5127A10	MODEL 37 TYPE L/LC STATIONARY SWITCH LEA	1.000 EA
HA3104A27	THRUBOLT 5/16 18 X 12.438 X	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0076	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

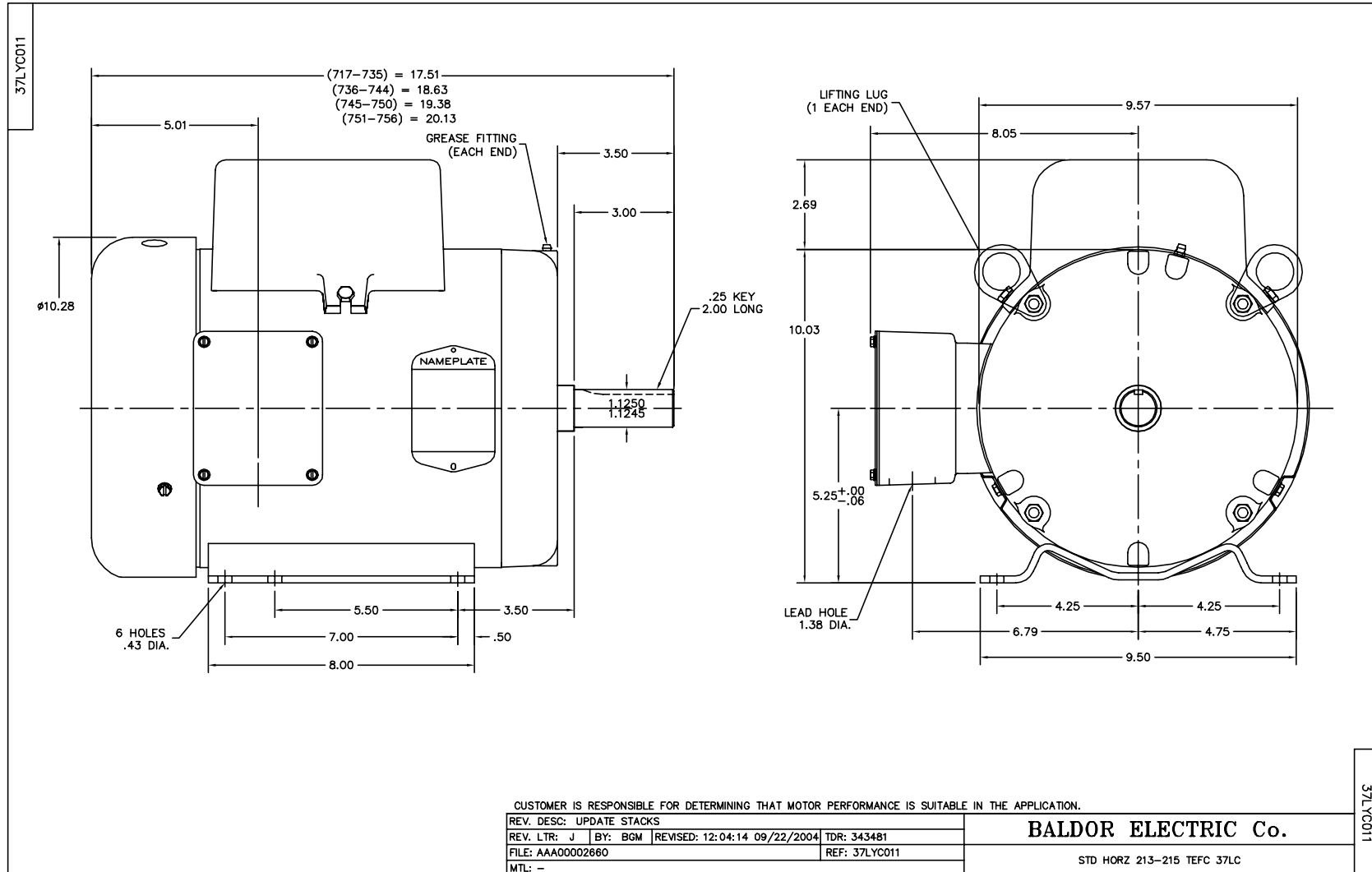
Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

Performance Data at 230V, 60Hz, 3.0HP (Typical performance - Not guaranteed values)

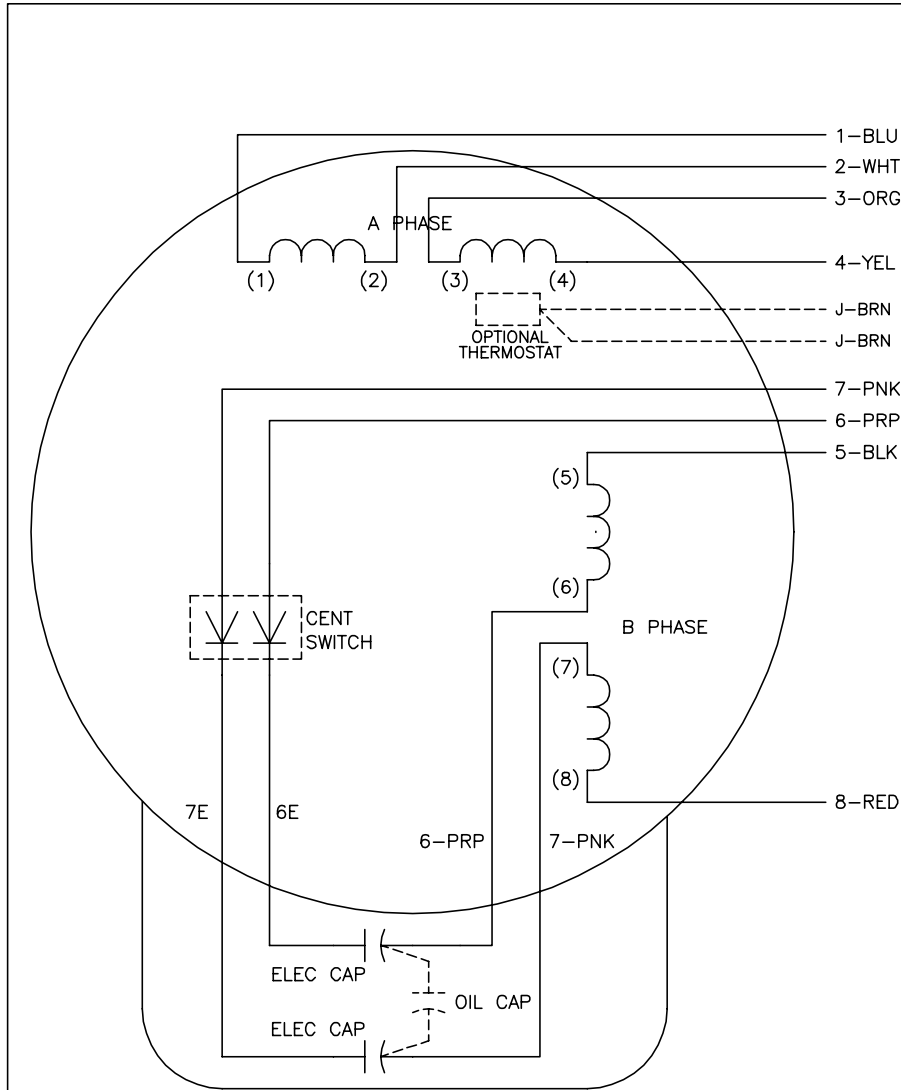
General Characteristics							
Full Load Torque:	9.1 LB-FT			Start Configuration:	DOL		
No-Load Current:	5.0 Amps			Break-Down Torque:	24.0 LB-FT		
Line-line Res. @ 25°C.:	0.581 Ohms A Ph / 2.08 Ohms B Ph			Pull-Up Torque:	20.0 LB-FT		
Temp. Rise @ Rated Load:	56 C			Locked-Rotor Torque:	45.0 LB-FT		
Temp. Rise @ S.F. Load:	74 C			Starting Current:	110.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	64.0	80.0	86.0	90.0	91.0	92.0	0.0
Efficiency:	61.3	74.6	79.2	80.7	80.4	79.0	0.0
Speed:	1784.0	1771.0	1756.0	1740.0	1722.0	1701.0	0.0
Line Amperes:	6.2	8.2	10.7	13.5	16.6	20.2	15.4

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values





CD0076



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4,5	2,3	6,7
HIGH OPP	1,5	4,8	2,3	6,7
LOW STD	1,3,6,8	2,4,5,7	-	-
LOW OPP	1,3,5,7	2,4,6,8	-	-

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. OPTIONAL OIL CAP(S) ARE PROVIDED WHEN SPECIFIED. MULTIPLE OIL CAPS ARE CONNECTED IN PARALLEL.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADD OPTIONAL COLORS		
REV. LTR: E	VERSION: 01	TDR: 000000372126
9Z0000	FILE: \AAA\00007\419	REVISED: 15: 44: 39 09/28/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, DV, REV, SERIES/PAR B PH, 8 LEAD

CD0076