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Product Information Packet

L3710T

7.5HP,1745RPM,1PH,60HZ,215T,3734LC,TEFC

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Part Detail							
Revision:	F	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3734LC	**Elec. Spec:**	37WGT876	**CD Diagram:**	CD0086
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	37M307	**Layout:**	37LYM307
Frame:	215T	**Mounting:**	F1	**Poles:**	04	**Created Date:**	01-21-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	09-10-2015
Leads:	2#10 A PH,2#14 B PH					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1256L

CAT.NO.	L3710T								
SPEC.	37M307T876								
HP	7.5								
VOLTS	230								
AMP	29								
RPM	1745								
FRAME	215T		**HZ**	60			**PH**	1	
SER.F.	1.00	**CODE**	G	**DES**	L		**CLASS**	F	
NEMA-NOM-EFF	86.5	**PF**	97						
RATING	40C AMB-CONT								
CC						**USABLE AT 208V**	31		
DE	6307			**ODE**	6206				
ENCL	TEFC	**SN**							

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Parts List

Part Number	Description	Quantity
SA189994	SA 37M307T876	1.000 EA
RA177683	RA 37M307T876	1.000 EA
OC3050F09SP	CYL OIL CAP 50MFD/370V	1.000 EA
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	3.000 EA
37FN3002A01	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
37CB5001A21	ENCL, A01 BOX W/LID, GASKETS & 1.09 LEAD	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3100A01	PUEP ASSEMBLY - ROUTING PUPROSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007A06	IEC FH W/GRS, NOT @6, 3 F/C HOL & NOT FO	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)

Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
SP5172A03	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	10.000 EA
NS2539	INSULATOR FOR 37 FRAMESWITCH (MH1011A10)	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0086	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

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Accessories

Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

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AC Induction Motor Performance Data

Record # 37142 - Typical performance - not guaranteed values

Winding: 37WGT876-R001	**Type:** 3734LC	**Enclosure:** TEFC

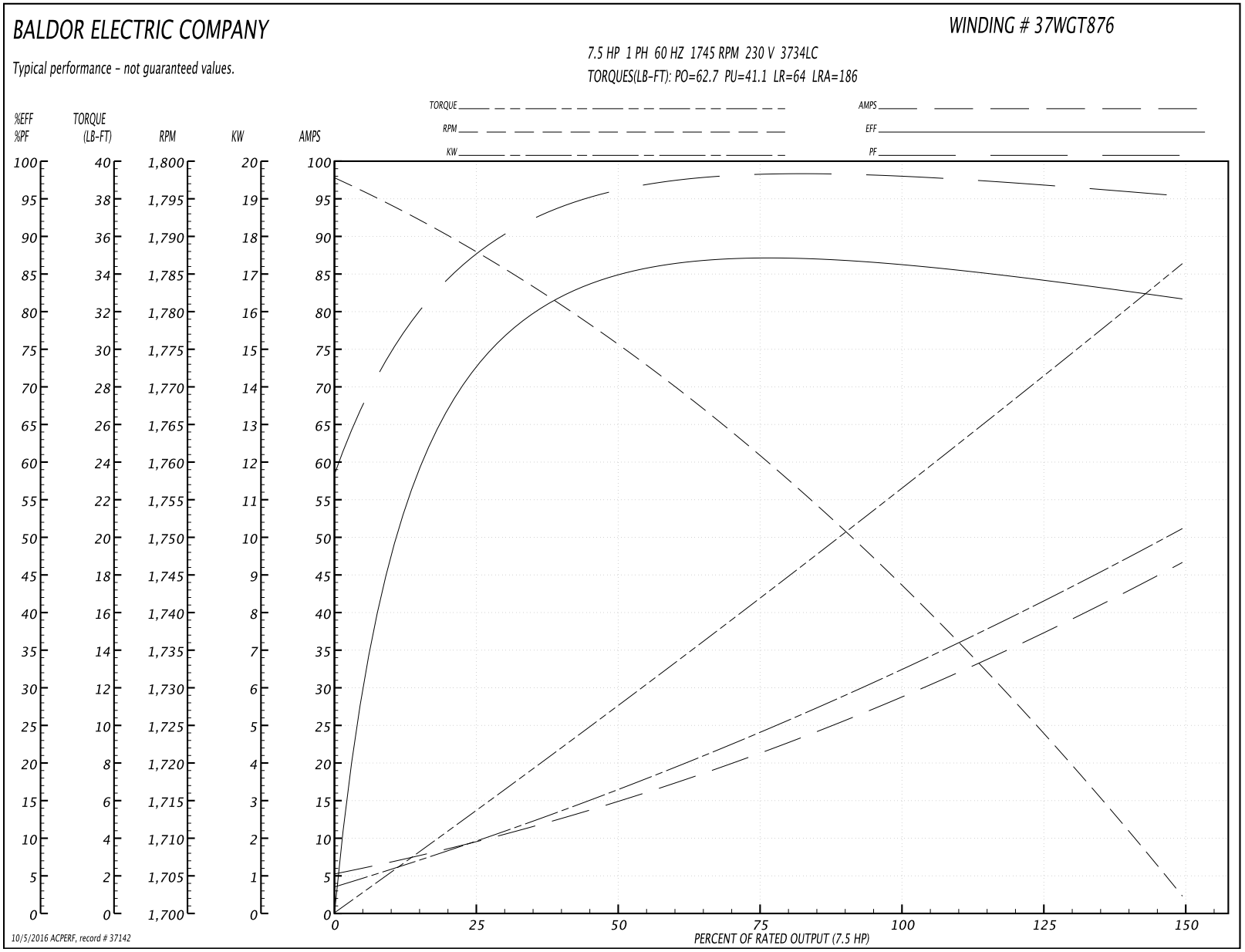
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.4 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	29			Breakdown Torque	62.7 LB-FT
R.P.M.	1745			Pull-up Torque	41.1 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	64 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	186 A
Service Factor (S.F.)	1			No-load Current	5.37 A
NEMA Nom. Eff.	86.5	Power Factor	97	Line-line Res. @ 25ºC	0.263 Ω A Ph 0.705 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	90°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	91	97	98	97	97	96
Efficiency	70.9	83.8	86.8	86.8	85	81.3
Speed	1787	1775	1761	1745	1726	1701
Line amperes	9.1	14.9	21.4	28.6	36.8	46.8

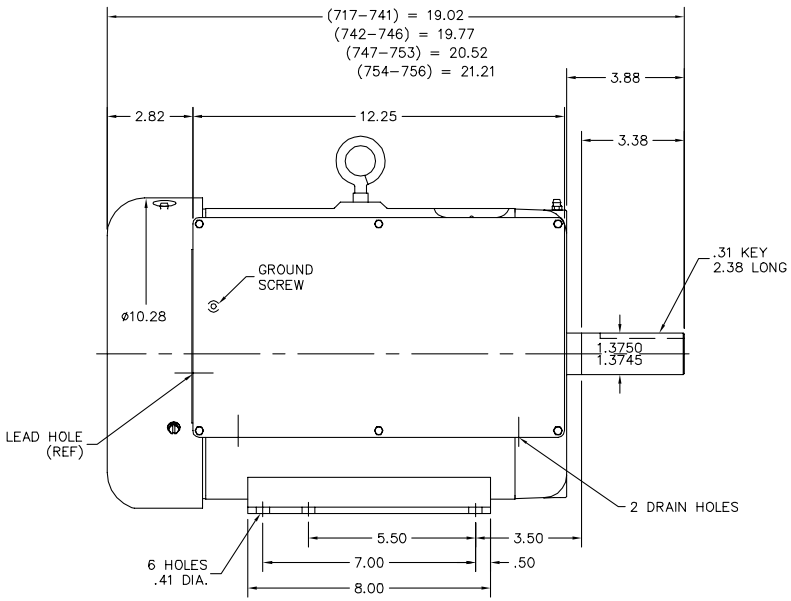
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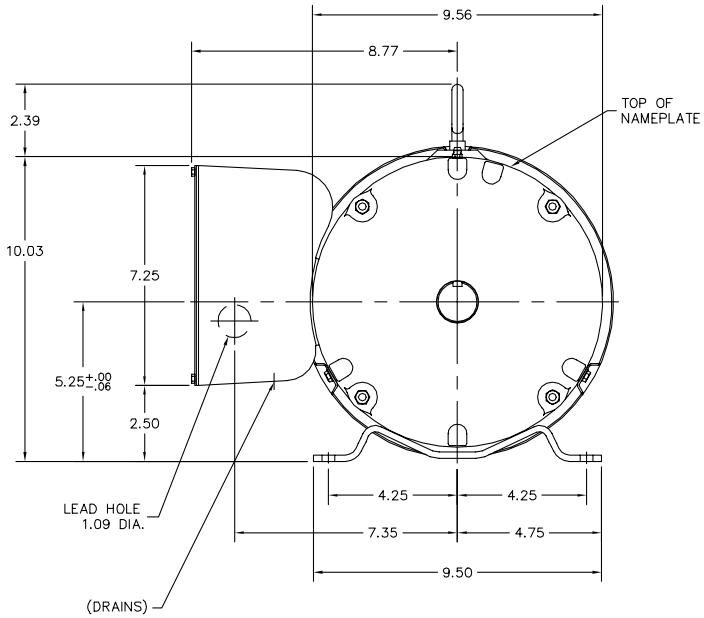
Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values



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37LYM307





37LYM307

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: NEW		
REV. LTR: –	VERSION: 00	TDR: 000000525701
FILE: \AAA\00168\999	REVISED: 12:55:37 01/21/2010	BY: ENERI00
MTL: –		

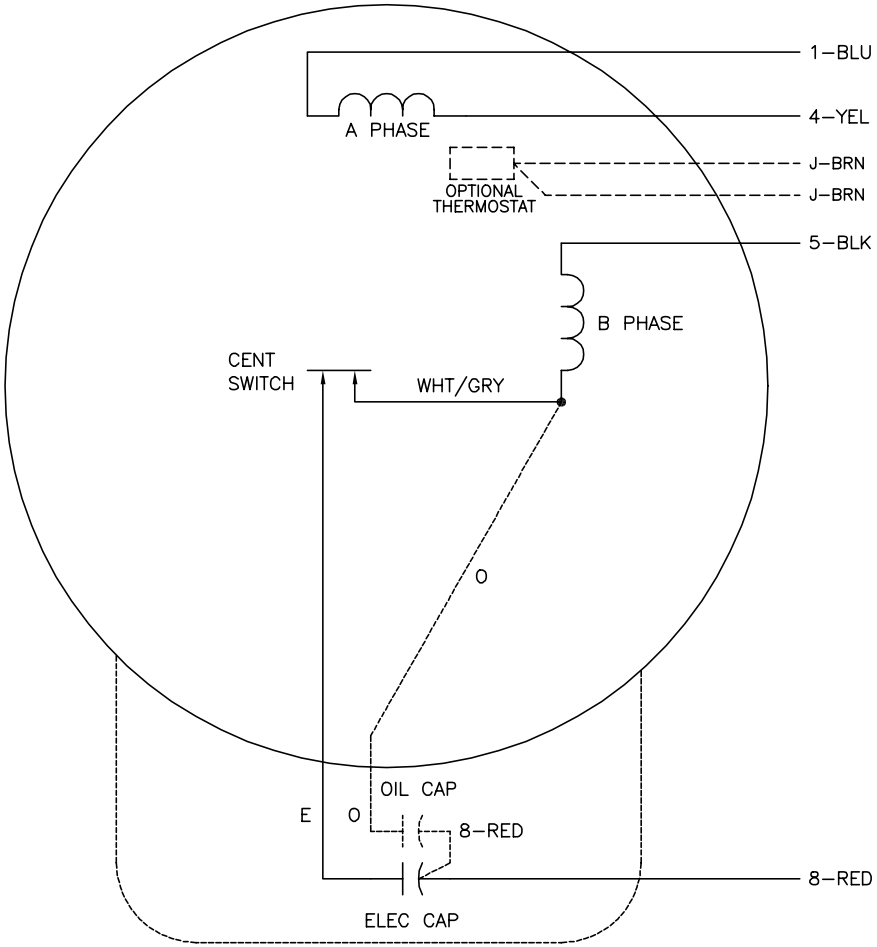
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HORZ 213–5T TEFC LC 37CB3804, FINNED ENDRING, TORQ SWITCH

SH 1 of 1

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CD0086



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	4,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
5. CAPACITORS MAY BE SEPERATELY MOUNTED.
6. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED CK TO PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: F	BY: JD	REVISED: 16:01:12 01/07/2002	TDR: 259409
9800CD		FILE: AAA00026904	REF: CD0086
		MTL: –	TYPE L OR LC, SV, REV, 4 LEADS, CAPS MAY BE SEP MTD

CD0086

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