

BALDOR® • RELIANCE

Product Information Packet

L1510T

7.5HP,1725RPM,1PH,60HZ,215T,3744LC,OPEN

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3744LC	Elec. Spec:	37GW885	CD Diagram:	CD0017A02
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	37M295	Layout:	37LYM295
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	01-07-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-13-2013
Leads:	2#10 A PH,2#14 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	L1510T									
SPEC.	37M295W885G1									
HP	7.5									
VOLTS	230									
AMP	31									
RPM	1725									
FRAME	215T	HZ			60	PH		1		
SER.F.	1.15	CODE			G	DES		L	CLASS	B
NEMA-NOM-EFF	85.5	PF			89					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			33					
DE	6307	ODE			6206					
ENCL	OPEN	SN								

Parts List		
Part Number	Description	Quantity
SA189557	SA 37M295W885G1	1.000 EA
RA177267	RA 37M295W885G1	1.000 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
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
37EP3200A01SP	FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 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
37EP3201A01	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA

Parts List (continued)		
Part Number	Description	Quantity
37CB5005A01	CAPACITOR BOX KIT, 37CB3802, OC3030F11,	1.000 EA
SP5172A05	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 11936 - Typical performance - not guaranteed values

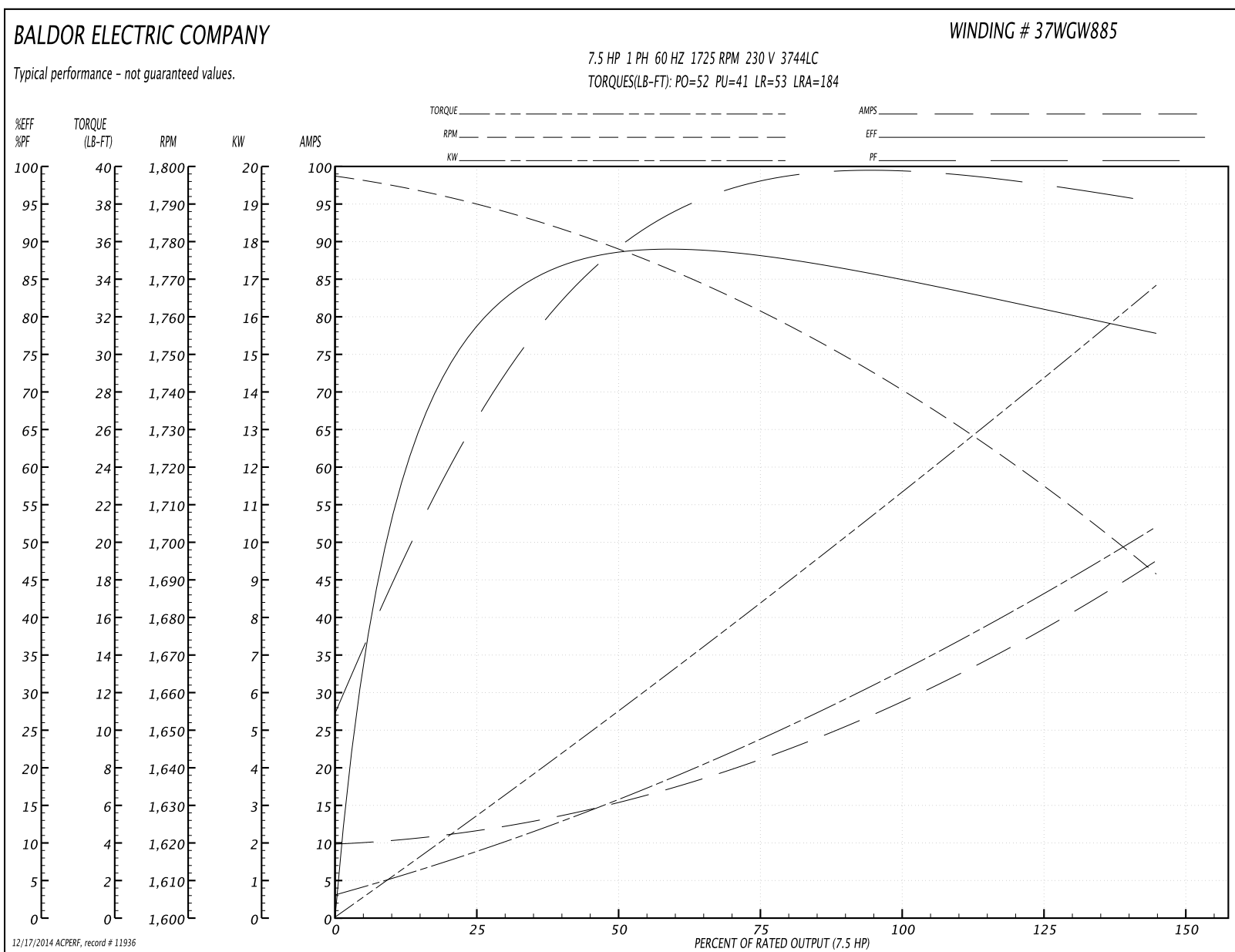
Winding: 37WGW885-R001	Type: 3744LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.5 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	31			Breakdown Torque	52 LB-FT
R.P.M.	1725			Pull-up Torque	41 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	53 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	184 A
Service Factor (S.F.)	1.15			No-load Current	10.2 A
NEMA Nom. Eff.	85.5	Power Factor	89	Line-line Res. @ 25°C	0.265 Ω A Ph 1.545 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	77	86	90	90	90	0
Efficiency	75.6	87.1	88	85.6	82.7	77	0
Speed	1790	1776	1760	1743	1719	1690	0
Line amperes	11	15.6	21.5	28.9	37.2	47.6	33.9

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





CD0017A02

