

BALDOR® • RELIANCE

Product Information Packet

M3714T-8

10HP,1770RPM,3PH,60HZ,215T,3740M,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3740M	Elec. Spec:	37WGS397	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37G697	Layout:	37LYG697
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	07-18-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	3#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M3714T-8									
SPEC.	37G697S397H1									
HP	10									
VOLTS	200									
AMP	31.3									
RPM	1770									
FRAME	215T	HZ			60	PH		3		
SER.F.	1.15	CODE			K	DES		A	CLASS	F
NEMA-NOM-EFF	89.5	PF			77					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6307	ODE			6206					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA160716	SA 37G697S397H1	1.000 EA
RA149301	RA 37G697S397H1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 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
WD1000B17	T&B CX35TN TERMINAL	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
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
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	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
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

Parts List (continued)		
Part Number	Description	Quantity
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
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
G0PA1000	SPCL PACKAGING	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
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 24804 - Typical performance - not guaranteed values

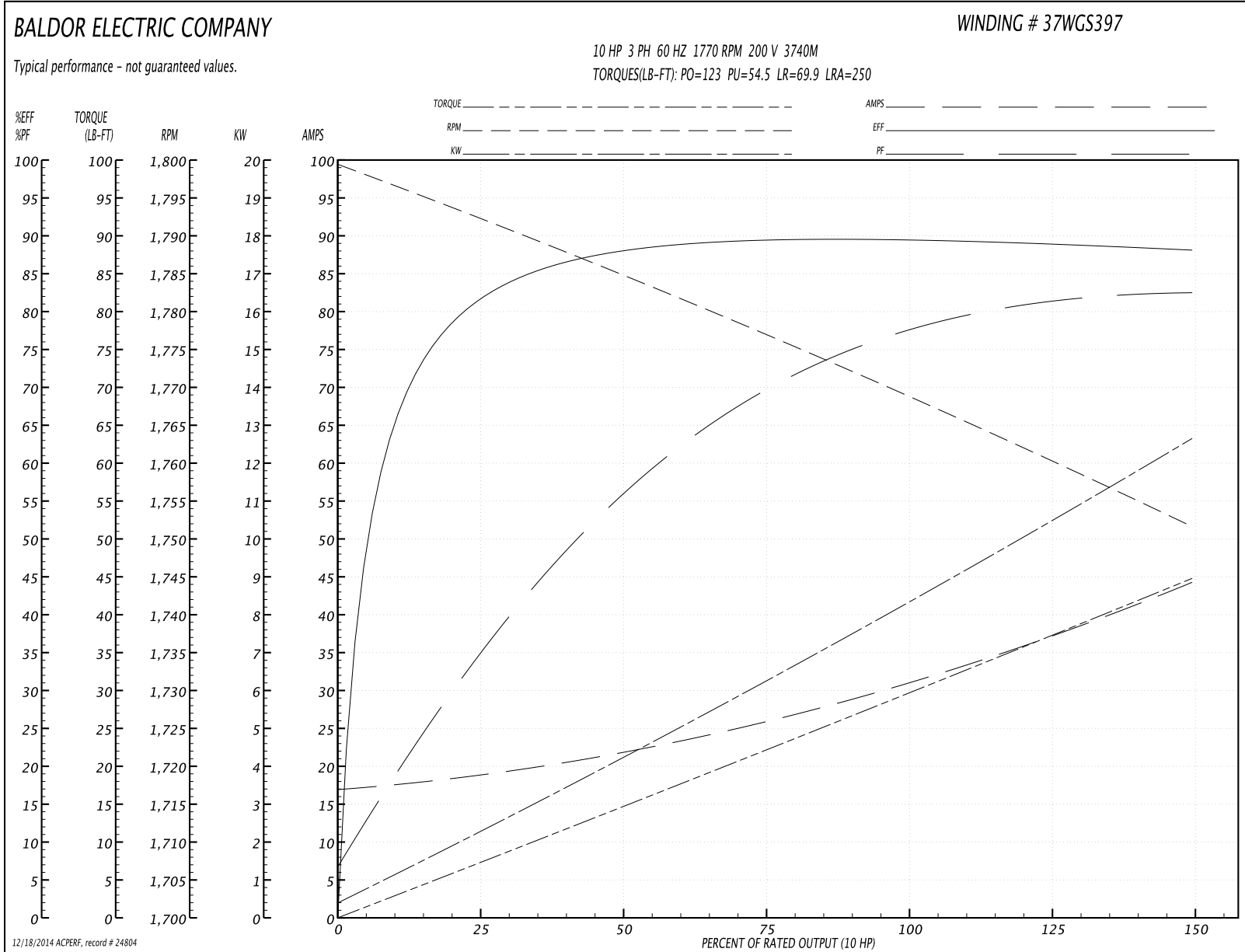
Winding: 37WGS397-R001	Type: 3740M	Enclosure: TEFC
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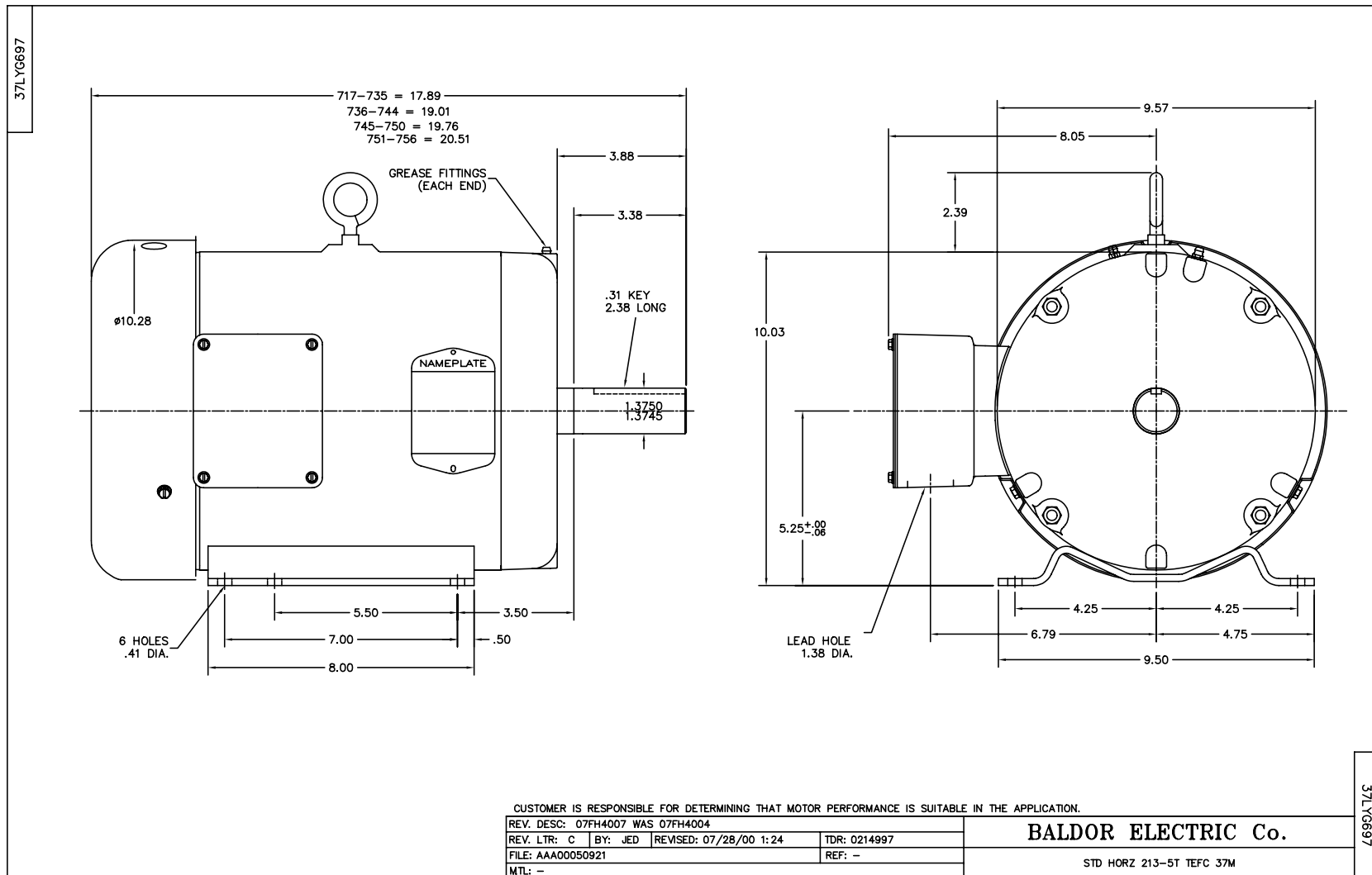
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	29.5 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	31.3			Breakdown Torque	123 LB-FT
R.P.M.	1770			Pull-up Torque	54.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	69.9 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	250 A
Service Factor (S.F.)	1.15			No-load Current	17.3 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	0.214 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
S.F. Amps				Temp. Rise @ S.F. Load	92°C
				Rotor inertia	0.984 LF ²

Load Characteristics 200 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	57	69	76	81	83	79
Efficiency	81	88.5	89.3	89.5	88.8	88.1	89.1
Speed	1793	1785	1777	1769	1760	1752	1764
Line amperes	18.4	21.6	25.6	31.3	37.4	43.9	35

Performance Graph at 200V, 60Hz, 10.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006