

BALDOR® • ***RELIANCE***

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

BM3710T

7.5HP,1755RPM,3PH,60HZ,213T,3728M,TEFC,F

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3728M	Elec. Spec:	37WGS141	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37A021	Layout:	
Frame:	213T	Mounting:	F1	Poles:	04	Created Date:	01-26-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-11-2009
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L

CAT.NO.	BM3710T						
SPEC.	37A021S141G1						
HP	7.5						
VOLTS	208-230/460						
AMP	23.5-21.8/10.9						
RPM	1755						
FRAME	213T	HZ	60	PH	3		
SER.F.	1.15	CODE	J	DES	A	CLASS	F
NEMA-NOM-EFF	87.5	PF	74				
RATING	40C AMB-CONT						
CC			USABLE AT 208V				
DE	6307	ODE	6306				
ENCL	TEFC	SN					

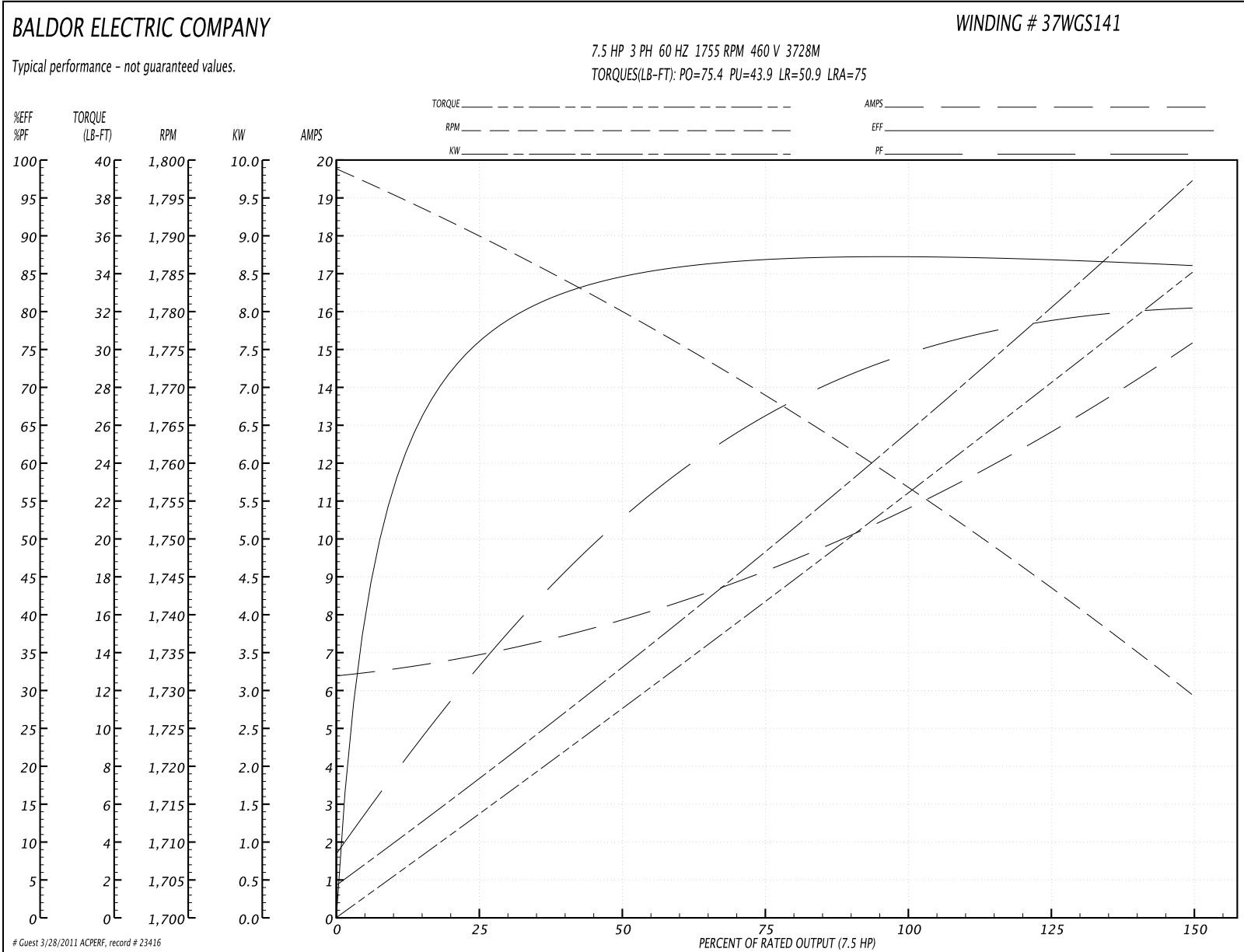
Parts List		
Part Number	Description	Quantity
SA153100	SA 37A021S141G1	1.000 EA
RA141845	RA 37A021S141G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP1301A01	STD FACE MTD ENDPLATE, BRAKE MTG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A07	W2816-030 WVY WASHER (WB)	1.000 EA
37EP3100A03	FR/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
84XN5013J12	1/2 13X3/4 HX SOCK, BK OX	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HW2500A16	EY, USA #606, WOODRUFF	1.000 EA
07FH4007A25	IEC FH W/GRSR, DRAIN & 1.62 DIA. SHAFT H	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

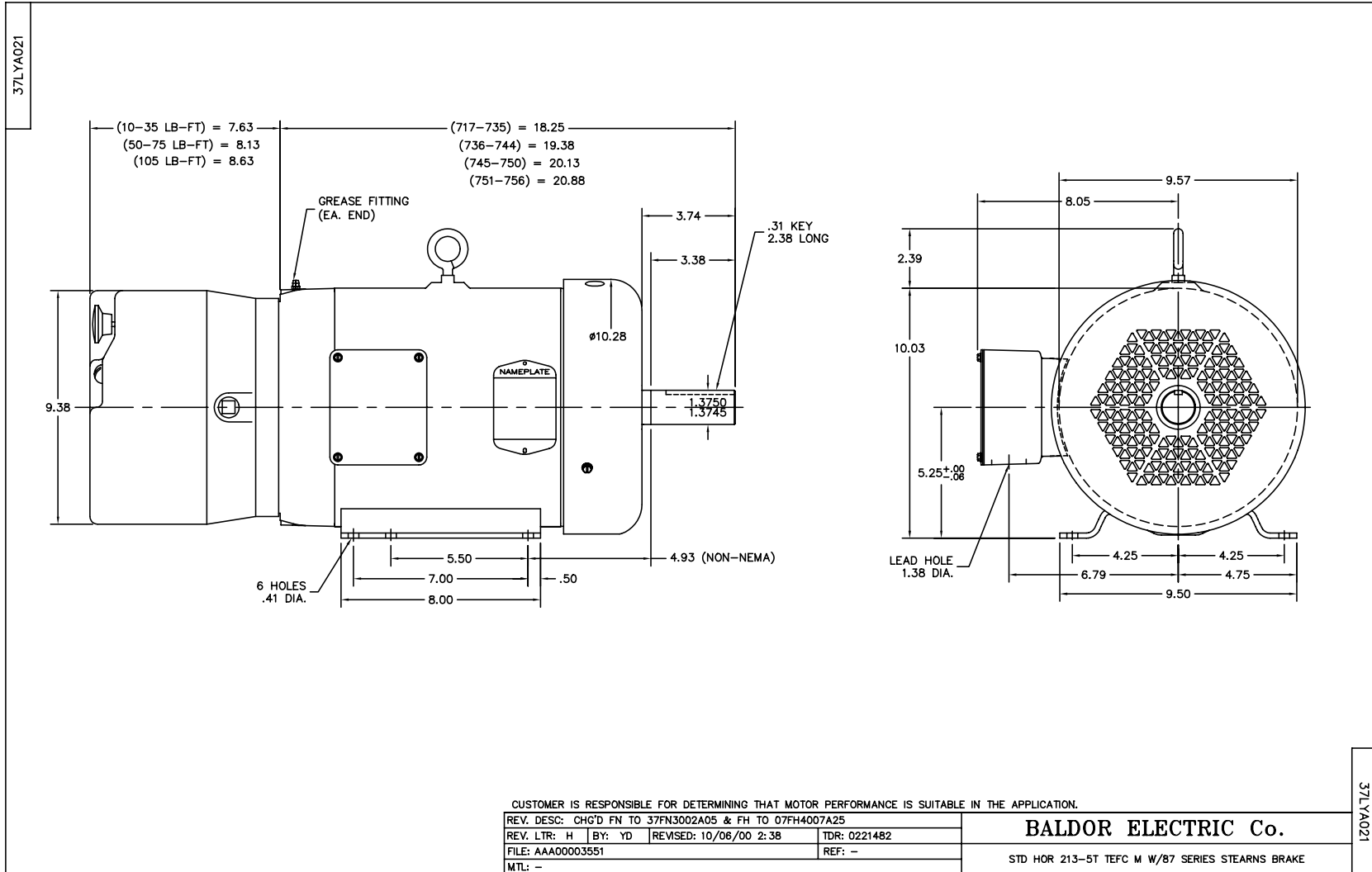
Parts List (continued)		
Part Number	Description	Quantity
LB1115	LABEL,LIFTING DEVICE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
HW2501E10	KEY, 1/4 SQ X 1.000	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.028 GA
37FN3002A05	EXFN, PLASTIC, 9.00 OD, 1.380 ID	1.000 EA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
87BK4100EQF	87BK41000QF W/BR2701E01	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1256L	ALUM, UL CSA CC, W/O THERMAL, LASER	1.000 EA
37PA1039	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 7.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	22.4 LB-FT			Start Configuration:	DOL		
No-Load Current:	6.5 Amps			Break-Down Torque:	75.4 LB-FT		
Line-line Res. @ 25°C.:	1.39 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	43.9 LB-FT		
Temp. Rise @ Rated Load:	75 C			Locked-Rotor Torque:	50.9 LB-FT		
Temp. Rise @ S.F. Load:	92 C			Starting Current:	75.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	34.0	53.0	66.0	74.0	78.0	81.0	76.0
Efficiency:	76.0	84.4	86.9	87.4	87.0	86.0	87.2
Speed:	1790.0	1780.0	1769.0	1757.0	1744.0	1729.0	1749.0
Line Amperes:	6.8	7.75	9.16	10.9	12.9	15.1	12.1

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005