

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **EM3710T**

**7.5HP,1770RPM,3PH,60HZ,213T,3736M,TEFC**

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3736M	Elec. Spec:	37WGT859	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H244	Layout:	
Frame:	213T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-26-2009
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:	

**Nameplate NP1259L**

CAT.NO.	EM3710T						
SPEC.	37H244T859						
HP	7.5						
VOLTS	230/460						
AMP	18.8/9.4						
RPM	1770						
FRAME	213T	HZ			60	PH	3
SER.F.	1.15	CODE			J	DES	A CL F
NEMA-NOM-EFF	91.7	PF			81		
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V			21		
DE	6307	ODE			6206		
ENCL	TEFC	SN					

Parts List		
Part Number	Description	Quantity
SA115033	SA 37H244T859	1.000 EA
RA106124	RA 37H244T859	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	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
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
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
LB1115	LABEL,LIFTING DEVICE	1.000 EA

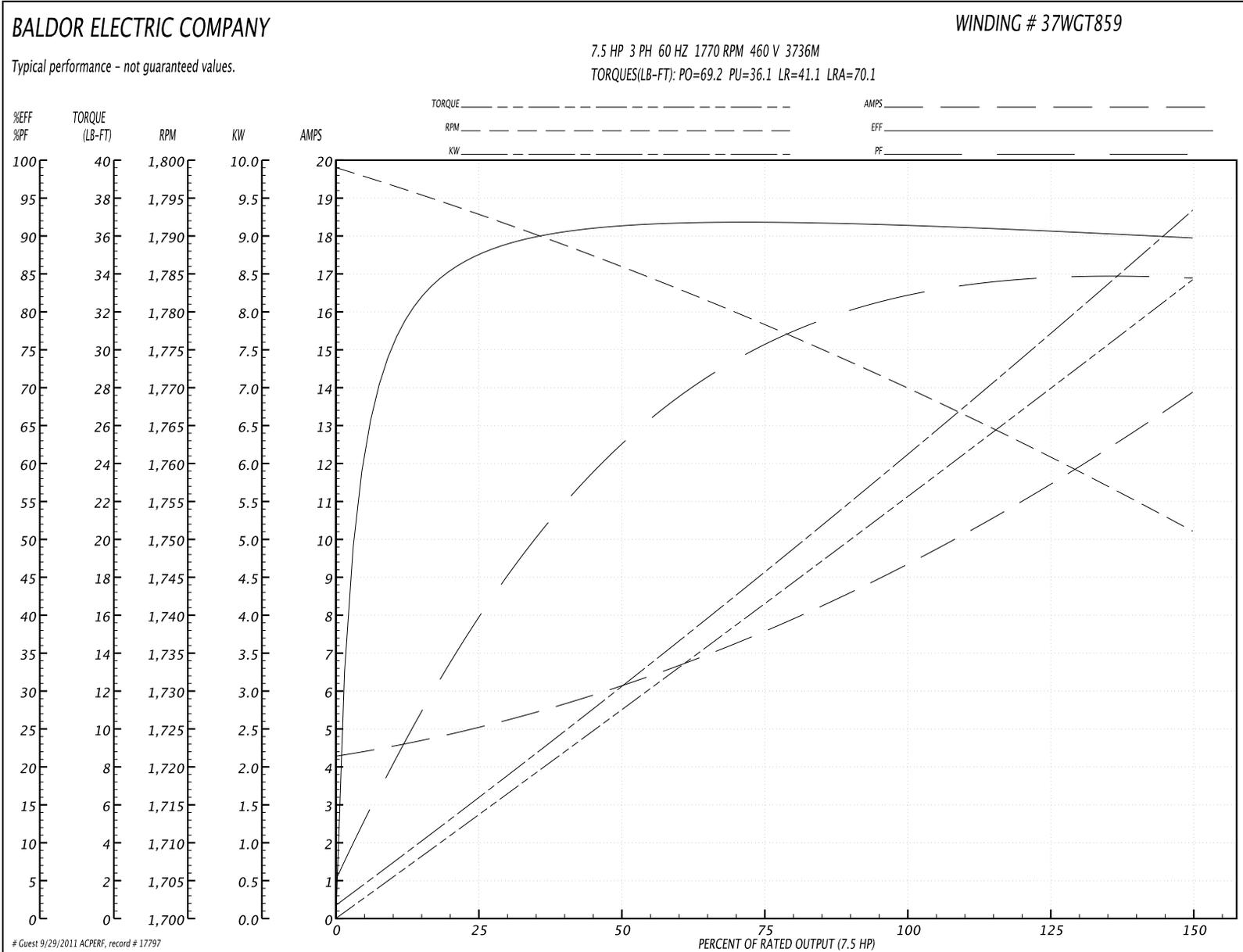
Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.028 GA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1259L	SUPER E, ALUM, UL CSA CC, W/O THERMAL,	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

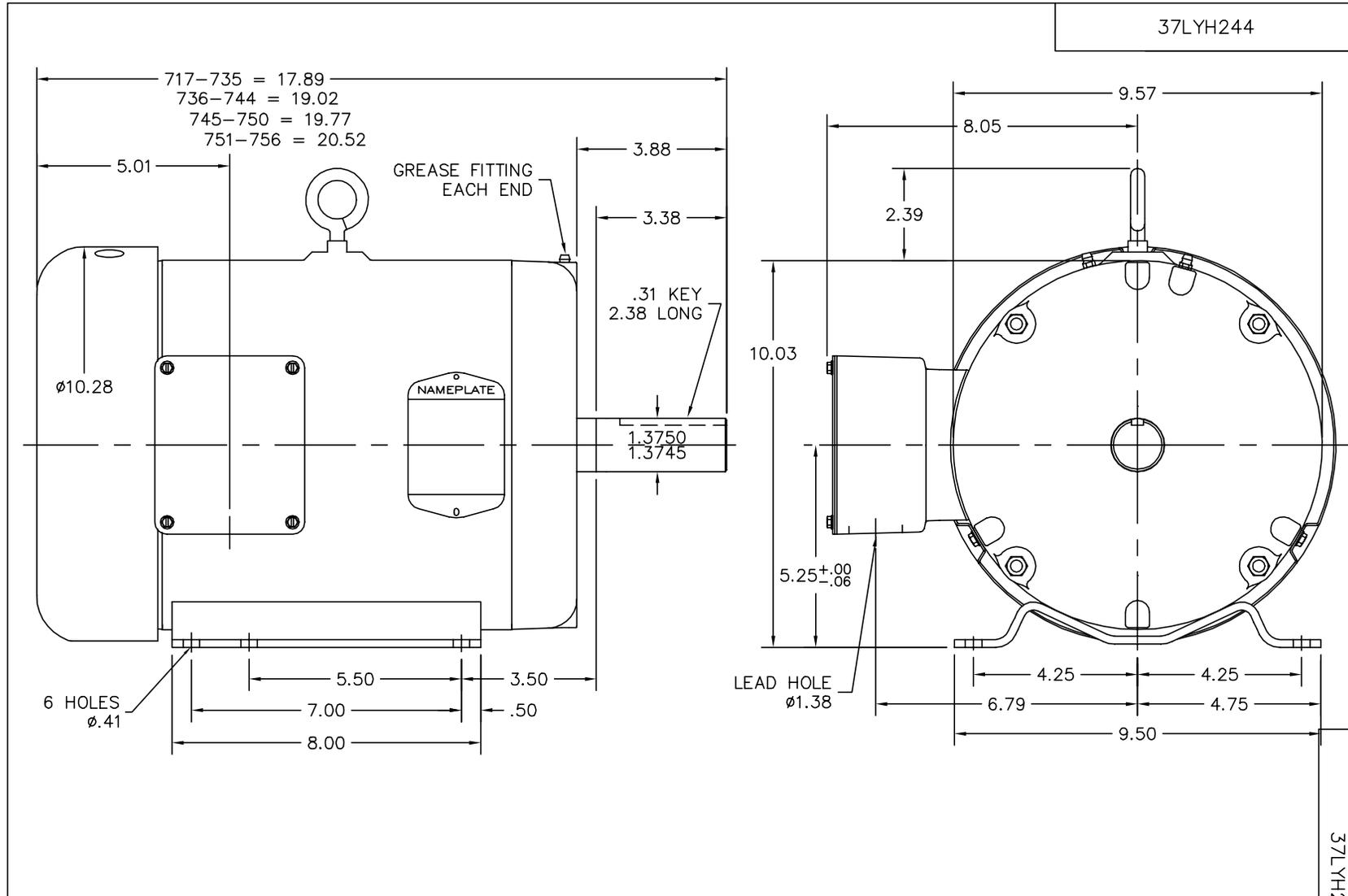
Accessories		
Part Number	Description	Multiplier
37-3301	\ FACE KIT	P1

**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:	4.4 Amps			Break-Down Torque:	69.2 LB-FT		
Line-line Res. @ 25°C.:	1.37 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	36.1 LB-FT		
Temp. Rise @ Rated Load:	53 C			Locked-Rotor Torque:	41.1 LB-FT		
Temp. Rise @ S.F. Load:	65 C			Starting Current:	70.1 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	41.0	63.0	75.0	81.0	84.0	85.0	83.0
Efficiency:	88.6	92.2	92.7	92.2	91.3	90.1	91.7
Speed:	1793.0	1786.0	1778.0	1770.0	1761.0	1751.0	1765.0
Line Amperes:	4.88	6.08	7.59	9.49	11.5	13.8	10.7

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





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

REV. DESC: ADDED SUPER E BACK TO DESC		
REV. LTR: E	VERSION: 02	TDR: 000000461125
FILE: \AAA\00068\241	REVISED: 10:19:08 04/09/2008	
MTL: -	BY: ENROSP0	

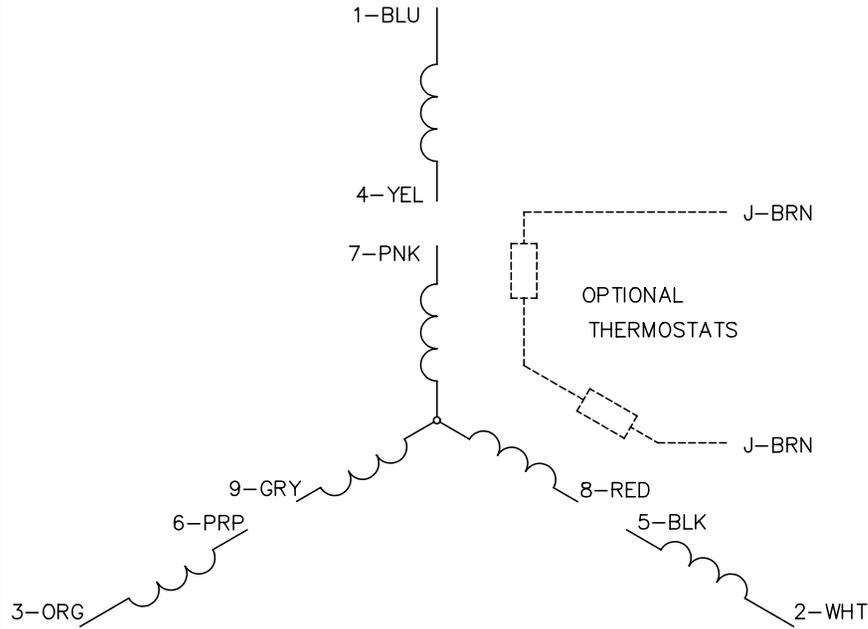
**BALDOR • DODGE • RELIANCE**

HORZ 213-5T TEFC 37M, EPACT SHOVE, SUPER E

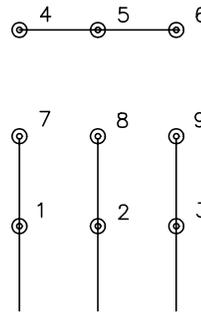
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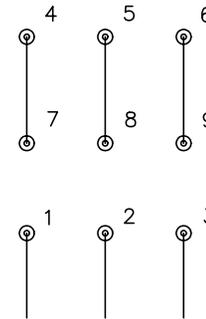


LOW VOLTAGE  
(2Y)



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