



# **BALDOR® • *RELIANCE***

## **Product Information Packet**

### **FM2513T**

**15HP,1760RPM,3PH,60HZ,254T,3748M,OPSB,F2**

Product Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod Type:	3748M	Elec. Spec:	37WGT867	CD Diagram:	CD0005
Enclosure	OPSB	Mfg Plant:		Mech Spec:	37F877	Layout:	37LYF877
Frame:	254T	Mounting:	F2	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-15-2007
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L									
CAT.NO.	FM2513T								
SPEC.	37F877T867H1								
HP	15								
VOLTS	208-230/460								
AMP	41-38/19								
RPM	1760								
FRAME	254T	HZ	60	PH	3				
SER.F.	1.15	CODE	J	DES	A	CLASS	F		
NEMA-NOM-EFF	91	PF	81						
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V	N/A						
DE	6309	ODE	6206						
ENCL	OPSB	SN							

<b>Parts List</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
SA125872	SA 37F877T867H1	1.000	790.00
RA116215	RA 37F877T867H1	1.000	658.00
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000	
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000	3.00
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000	26.00
HA6429	KO BOX ADAPTER REXITE	1.000	21.00
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	2.000	3.00
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000	4.00
HW3001A01	D3019 BRASS WASHER(STIMP)	1.000	3.00
37EP3200A01SP	FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE	1.000	106.00
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000	3.00
HW5100A06	W2420-025 WVY WSHR (WB)	1.000	3.00
37EP3202A01	STD PULLEY EP MODEL 37 OPEN 309 BRG	1.000	182.00
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000	3.00
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000	3.00
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000	22.00
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000	3.00
HW2501G25	KEY, 3/8 SQ X 2.875	1.000	6.00
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000	4.00
LB1115	LABEL,LIFTING DEVICE (ON ROLLS0	1.000	3.00
WD1000B17	KPA-8C BURNDY TERMINAL	1.000	4.00
MJ1000A02	GREASE, POLYREX EM EXXON	0.050	12.00
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.028	4,000.00
HA3104A24	THRUBOLT- 5/16-18 X14.375 X	4.000	3.00

<b>Parts List (continued)</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
37AD2001A01	BAFFLE PLATE, STAMPED	2.000	47.00
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000	3.00
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000	3.00
NP1256L	NP STD LASER ENGRAVED, UL CSA CC, W/O TH	1.000	4.00
37PA1052	PACKAGING GROUP, 150 LB MTR 2 X 4 RUNNER	1.000	58.00

**Performance Data at 460V, 60Hz, 15.0HP (Typical performance - Not guaranteed values)**
**General Characteristics**

<b>Full Load Torque:</b>	44.67 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	8.45 Amps	<b>Break-Down Torque:</b>	187.4 LB-FT
<b>Line-line Res. @ 25°C.:</b>	0.695 Ohms A Ph / 0.0 Ohms B Ph	<b>Pull-Up Torque:</b>	63.3 LB-FT
<b>Temp. Rise @ Rated Load:</b>	54°C	<b>Locked-Rotor Torque:</b>	90.4 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	64°C	<b>Starting Current:</b>	135.7 Amps

**Load Characteristics**

<b>% of Rated Load:</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	42.0	64.0	75.0	81.0	83.0	83.0	82.0
<b>Efficiency:</b>	86.4	90.8	91.5	91.0	90.0	88.6	90.4
<b>Speed:</b>	1791.0	1782.0	1773.0	1763.0	1752.0	1740.0	1756.0
<b>Line Amperes:</b>	9.73	12.12	15.3	19.0	23.57	28.66	21.7

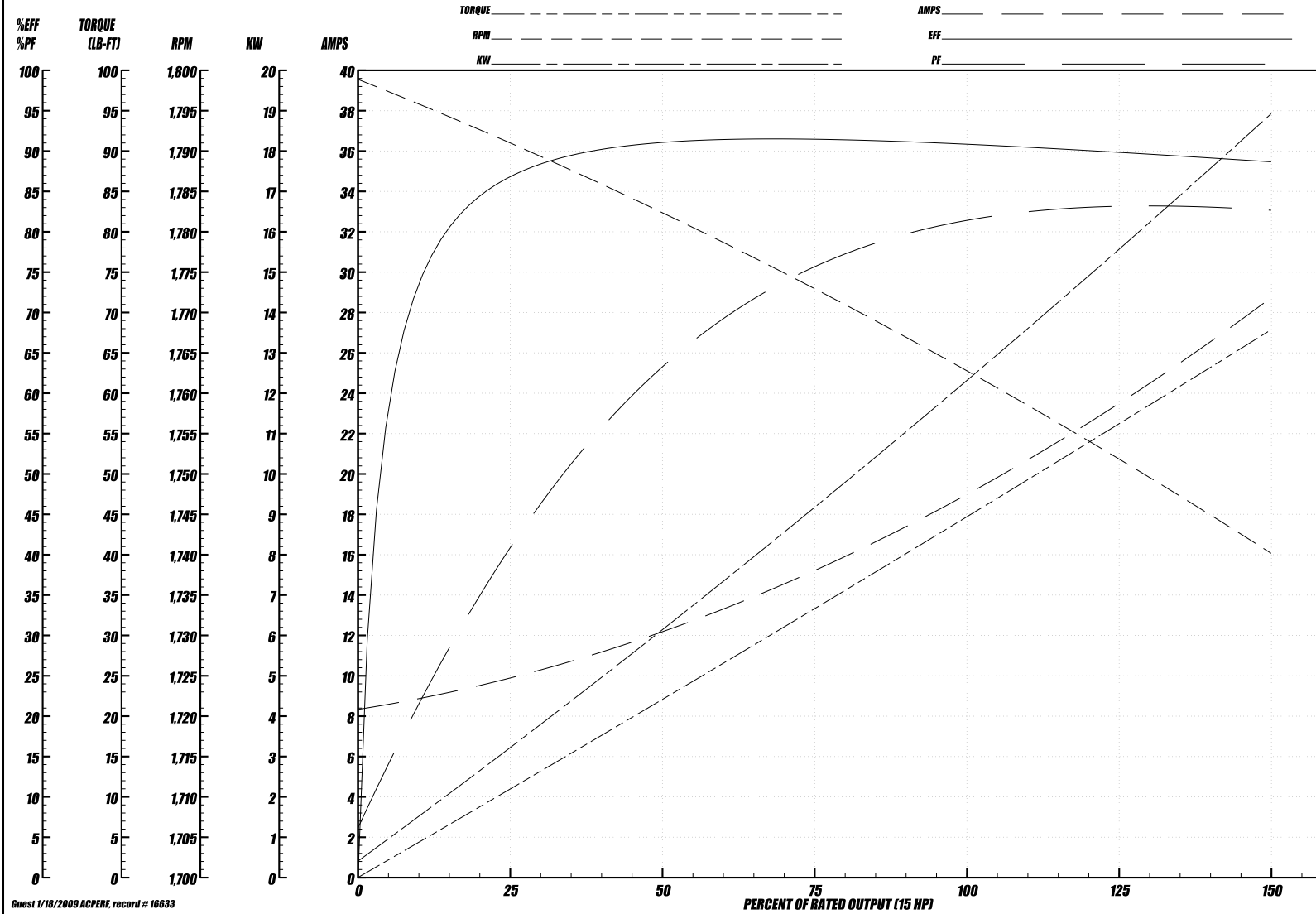
Performance Graph at 460V, 60Hz, 15.0HP (Typical performance - Not guaranteed values)

**BALDOR ELECTRIC COMPANY**

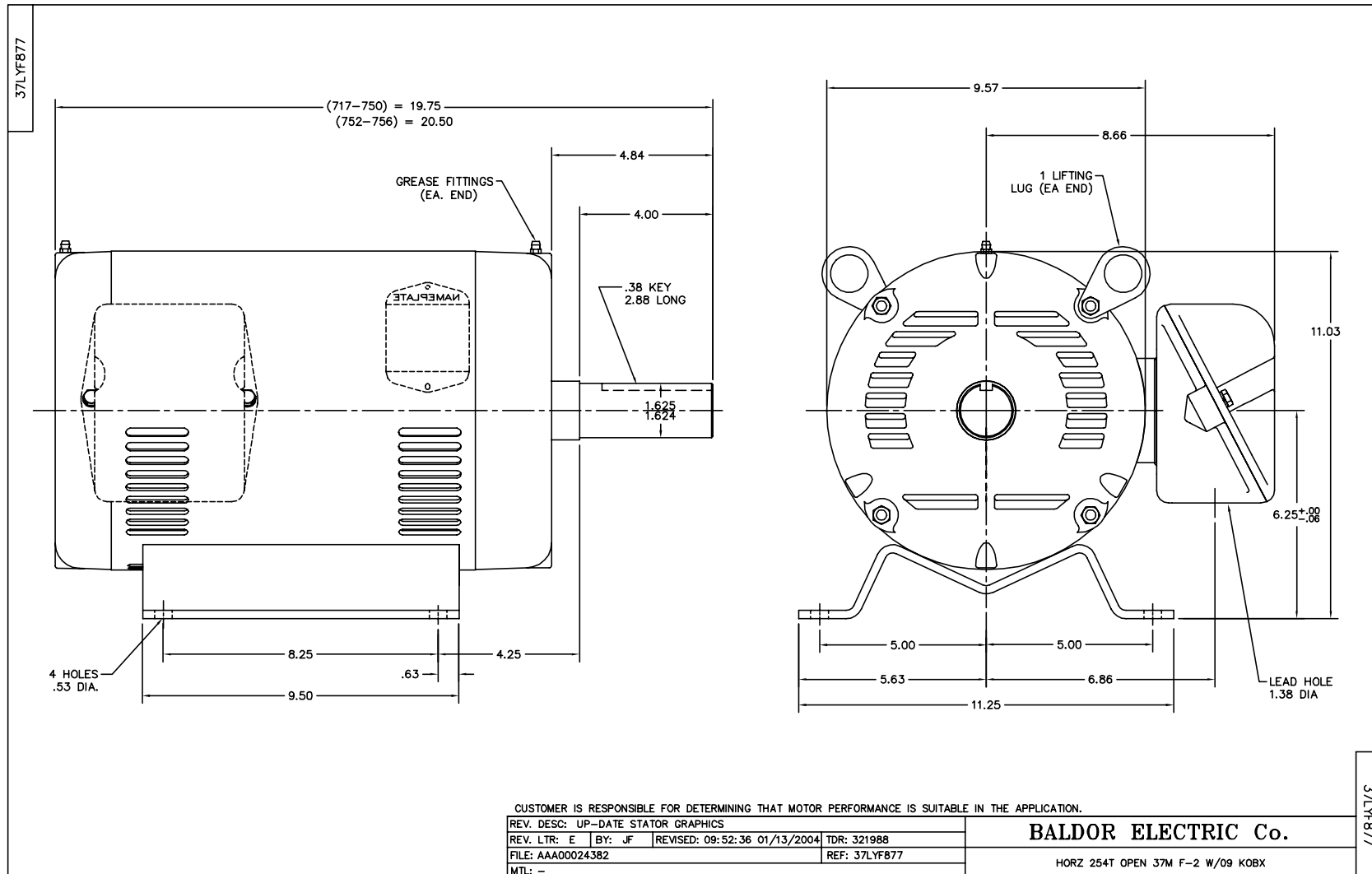
**WINDING # 37WGT867**

Typical performance - not guaranteed values.

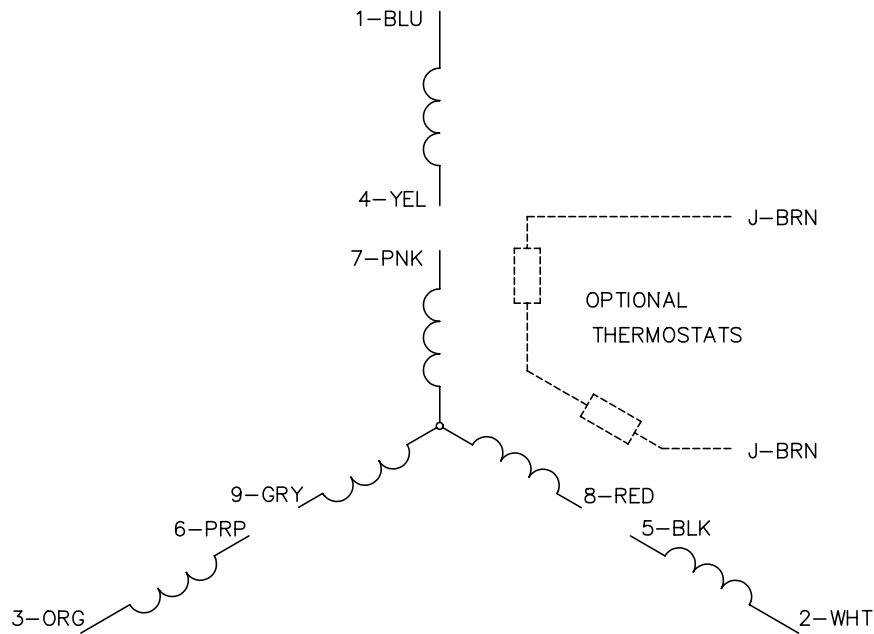
15 HP 3 PH 60 HZ 1760 RPM 460 V 3748M  
 TORQUES(LB-FT): PO=187.4 PU=63.3 LR=90.4 LRA=135.7



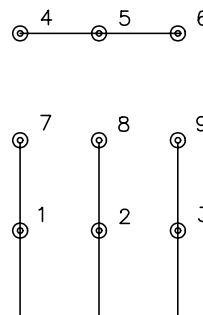
Guest 1/18/2009 ACPERF, record # 10633



CD0005

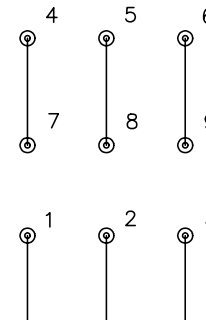


LOW VOLTAGE  
(2Y)



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