

BALDOR® • RELIANCE

Product Information Packet

VEJMM3710T

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

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Part Detail									
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3736M	Elec. Spec:	37WGT859	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37R071	Layout:			
Frame:	213JM	Mounting:	F1	Poles:	04	Created Date:	03-14-2006		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	02-02-2012		
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1259L									
CAT.NO.		VEJMM3710T							
SPEC.		37R071T859E7							
HP		7.5							
VOLTS		230/460							
AMP		18.8/9.4							
RPM		1770							
FRAME		213JM		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		6309		ODE		6206			
ENCL		TEFC		SN					

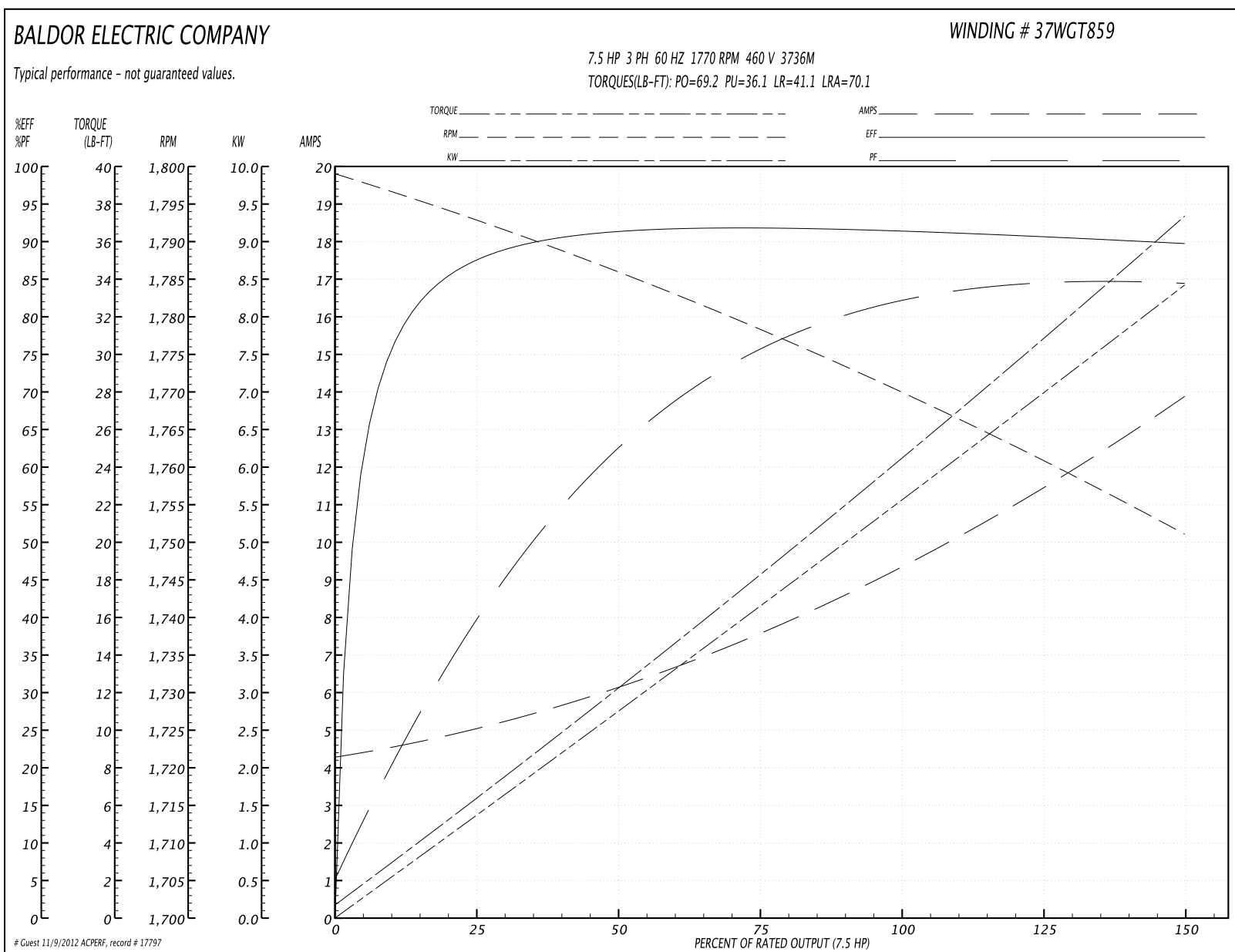
Parts List		
Part Number	Description	Quantity
SA140126	SA 37R071T859E7	1.000 EA
RA129553	RA 37R071T859E7	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING 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
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	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
37EP3401T02	EP PU ENCL 309 BRG W/GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 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
HW4600A73	SEAL 1.748 X 2.375 X 0.250 FACE SEALING	1.000 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

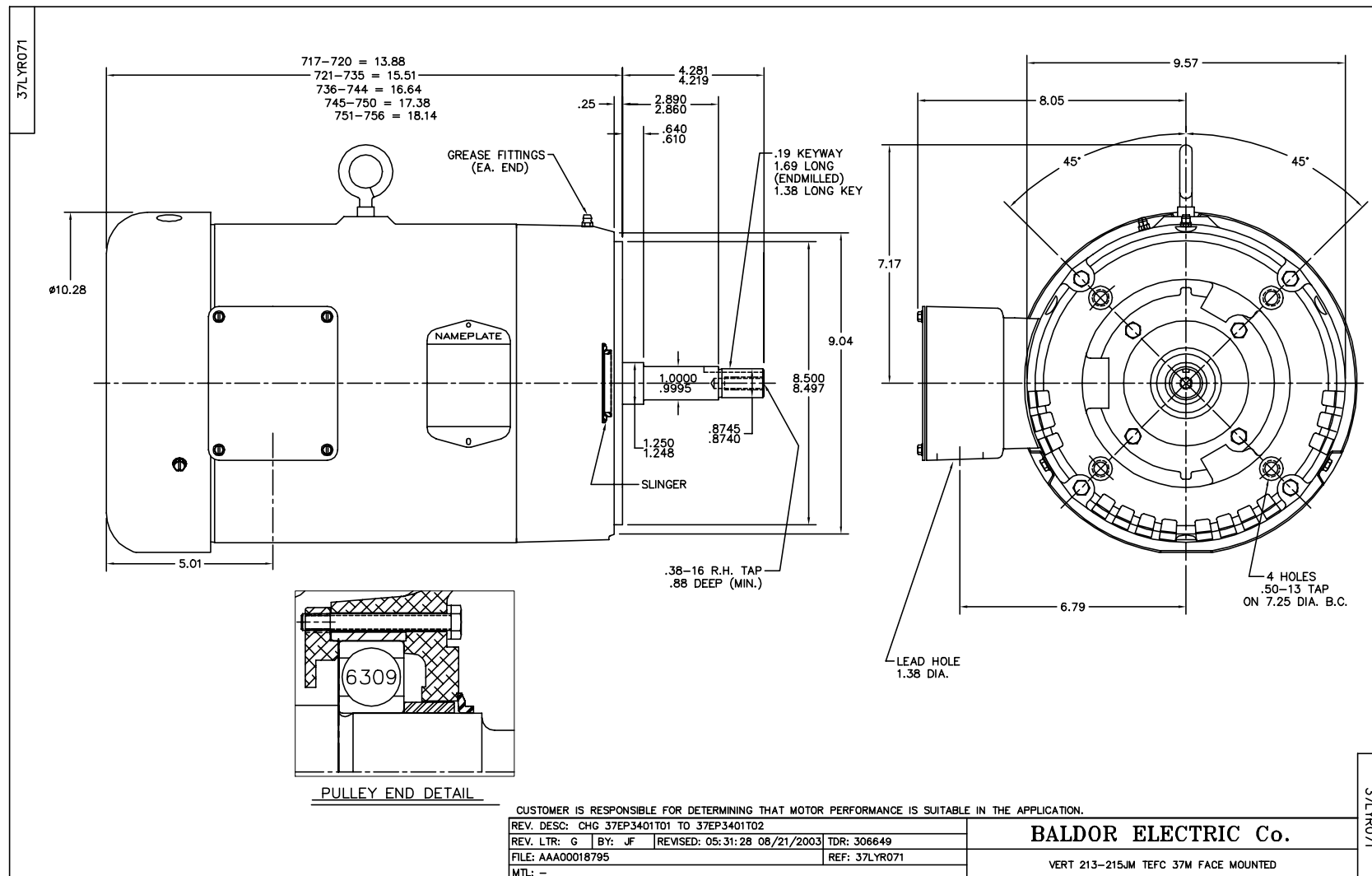
Parts List (continued)		
Part Number	Description	Quantity
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
HA3104A17	5/16-18X13.250 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	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
07PA1007	PKG GRP., BALDOR	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

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

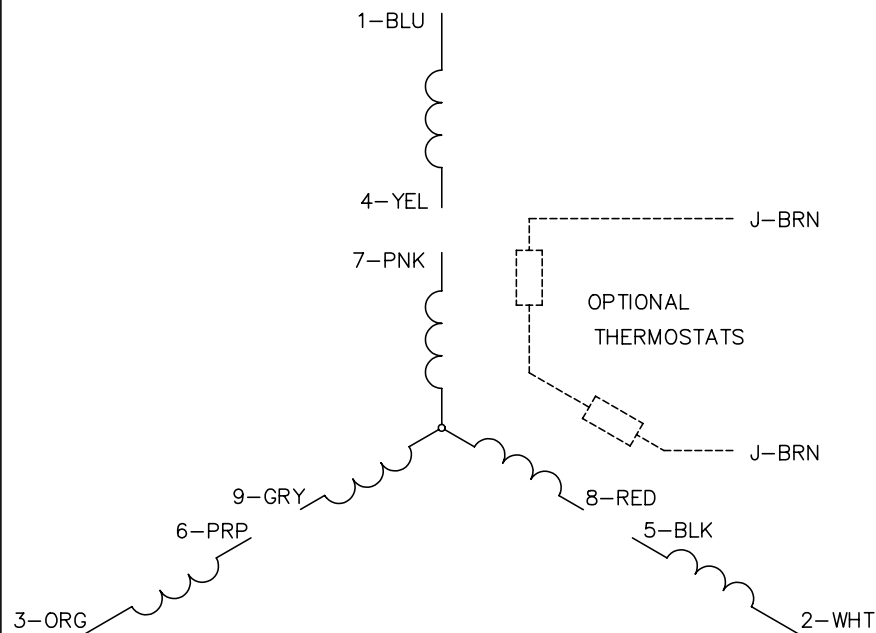
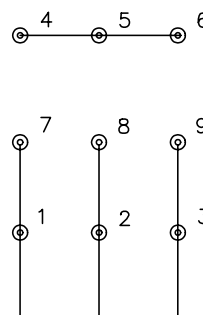
General Characteristics							
Full Load Torque:		22.4 LB-FT		Start Configuration:		DOL	
No-Load Current:		4.4 Amps		Break-Down Torque:		69.2 LB-FT	
Line-line Res. @ 25°C.:		1.37 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		36.1 LB-FT	
Temp. Rise @ Rated Load:		53 C		Locked-Rotor Torque:		41.1 LB-FT	
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

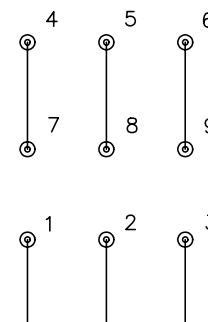




CD0005

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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005