

BALDOR® • RELIANCE

Product Information Packet

VEBM3710T-D

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

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Part Detail									
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3736M	Elec. Spec:	37WGT859	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37L258	Layout:			
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	06-18-2010		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-25-2011		
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2105L									
CAT.NO.		VEBM3710T-D							
SPEC.		37L258T859G1							
HP		7.5							
VOLTS		208-230/460							
AMP		21-18.8/9.4							
RPM		1770							
FRAME		213TC		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					
		IP44							

Parts List		
Part Number	Description	Quantity
SA198933	SA 37L258T859G1	1.000 EA
RA186286	RA 37L258T859G1	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
07EP1901A07	FREP FOR 07FH1002A09 ASS'Y	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A01	FACE MT ENDPLATE-ENCL-307 BRG-213TC-215T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
BR2004E01	BRK HUB,1.12 DIA JRNL W/.25 KEY (032416)	1.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
WD4006A01	WIRE JOINT, RB-4 OR RB-44	1.000 EA
HA6A33A01	ADAPTER 182-4T FOR D-SERIES BRK (024448)	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH1002A09	FAN COVER, MACH FOR 07EP1901A07	1.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN3118A52	5/16-18 X 3-1/4 HEX HEAD CAP SCR,GR.5,Z/	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
HA1103A13	#4 X 4 SCREEN FOR FAN CVR 07FH1002 (MR21	1.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	4.000 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
LB1419	CONN LABEL DODGE BRAKE (REL# 411614-15)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
MG1000N49	PAINT, 678.50 WILKO, REL GRN (55 GA)	0.028 GA
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
46BK0602B01	DBSC-H-25-MA-230/460 VAC	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP2105L	ALUM SUPER-E UL CSA-EEV CE CC	1.000 EA
37PA1039	PACKAGING GROUP	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
PK3082	STYROFOAM CRADLE	3.000 EA

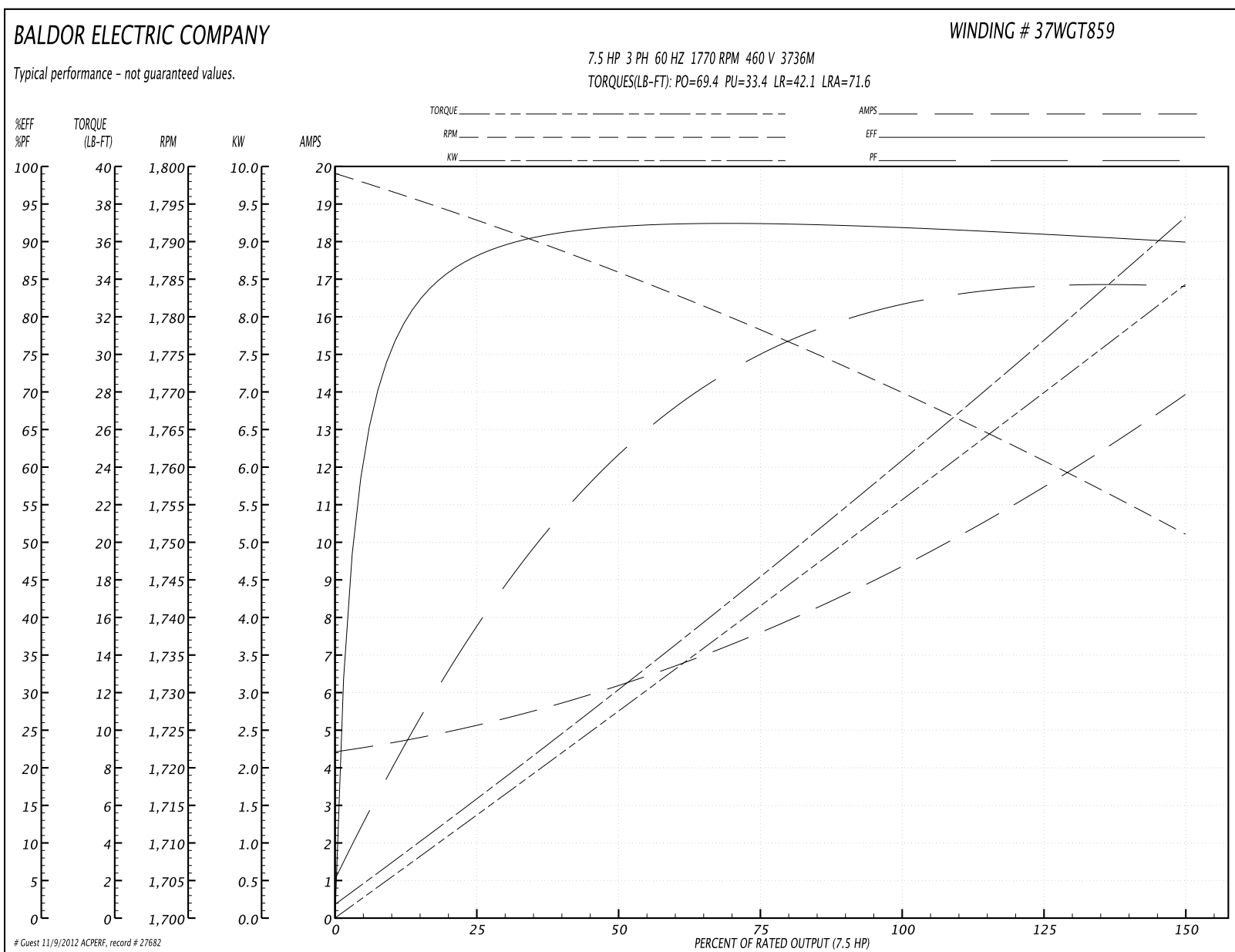
Performance Data at 460V, 60Hz, 7.5HP (Typical performance - Not guaranteed values)**General Characteristics**

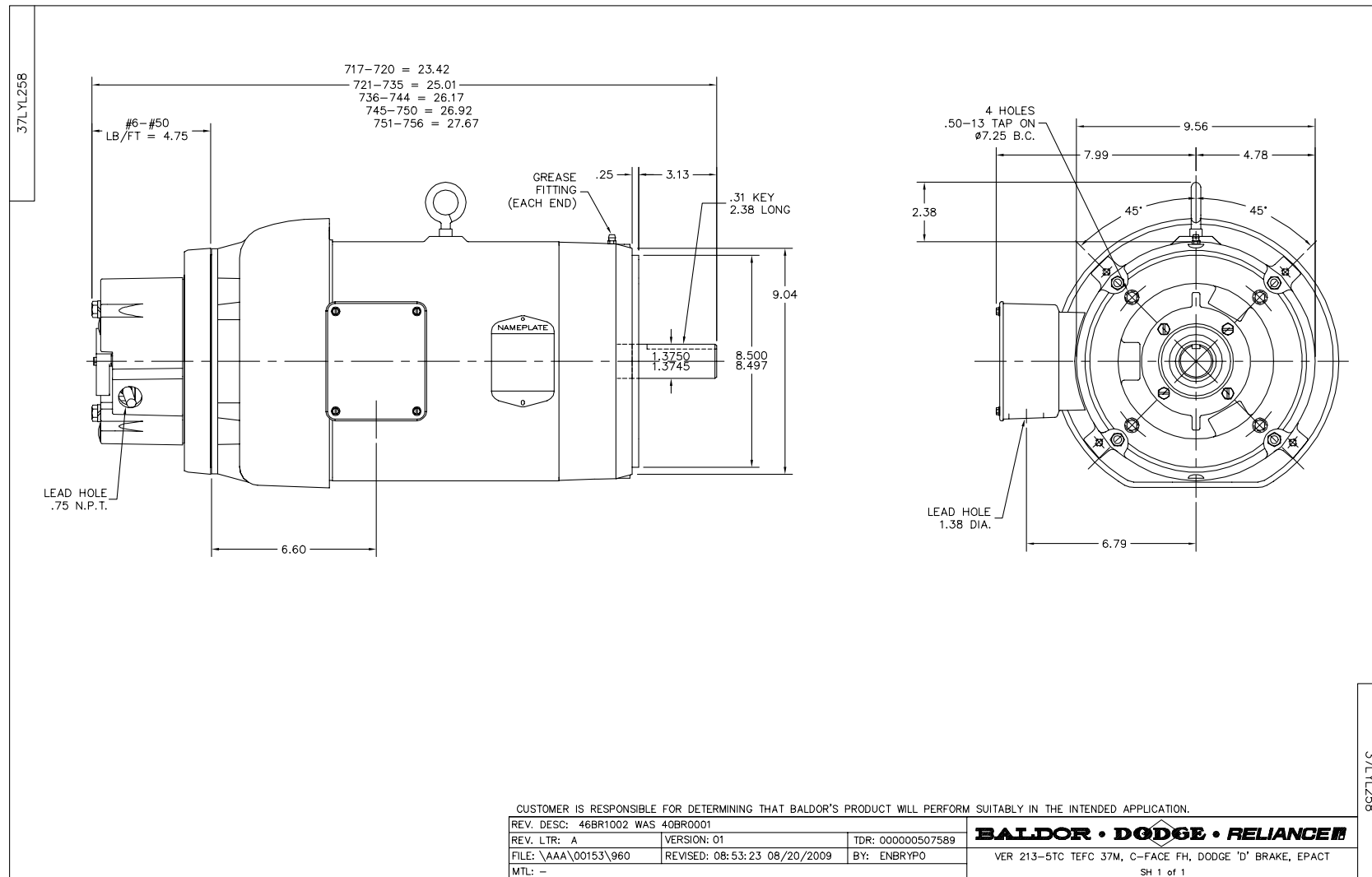
Full Load Torque:	22.25 LB-FT	Start Configuration:	DOL
No-Load Current:	4.46 Amps	Break-Down Torque:	69.4 LB-FT
Line-line Res. @ 25°C.:	1.36 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	33.4 LB-FT
Temp. Rise @ Rated Load:	53 C	Locked-Rotor Torque:	42.1 LB-FT
Temp. Rise @ S.F. Load:	65 C	Starting Current:	71.6 Amps

Load Characteristics

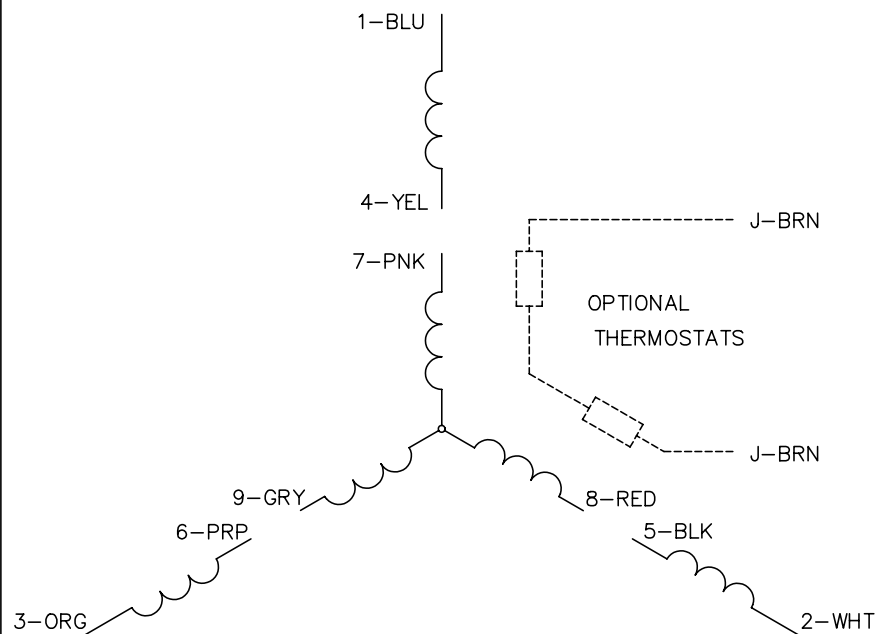
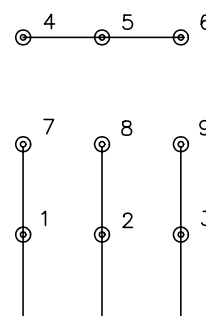
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	39.0	62.0	75.0	81.0	84.0	84.0	82.0
Efficiency:	87.9	91.8	92.4	92.0	91.1	89.9	91.5
Speed:	1793.0	1786.0	1778.0	1770.0	1761.0	1751.0	1765.0
Line Amperes:	5.1	6.13	7.62	9.39	11.5	13.9	10.7

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

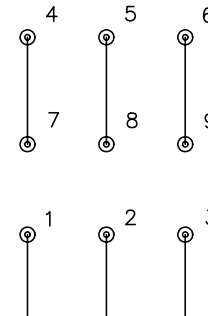




CD0005


 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