

BALDOR® • RELIANCE

Product Information Packet

M3702

2HP,855RPM,3PH,60HZ,215,3724M,TEFC,F1,N

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3724M	Elec. Spec:	37WGT938	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37A011	Layout:	37LYA011
Frame:	215	Mounting:	F1	Poles:	08	Created Date:	01-19-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-09-2011
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M3702								
SPEC.	37A011T938G1								
HP	2								
VOLTS	208-230/460								
AMP	7.6-7/3.5								
RPM	855								
FRAME	215	HZ			60	PH		3	
SER.F.	1.15	CODE			H	DES		B	CLASS
NEMA-NOM-EFF	82.5	PF			65				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA152819	SA 37A011T938G1	1.000 EA
RA141580	RA 37A011T938G1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	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
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
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
HW2501E18	KEY, 1/4 SQ X 2.000	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

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

AC Induction Motor Performance Data

Record # 37152 - Typical performance - not guaranteed values

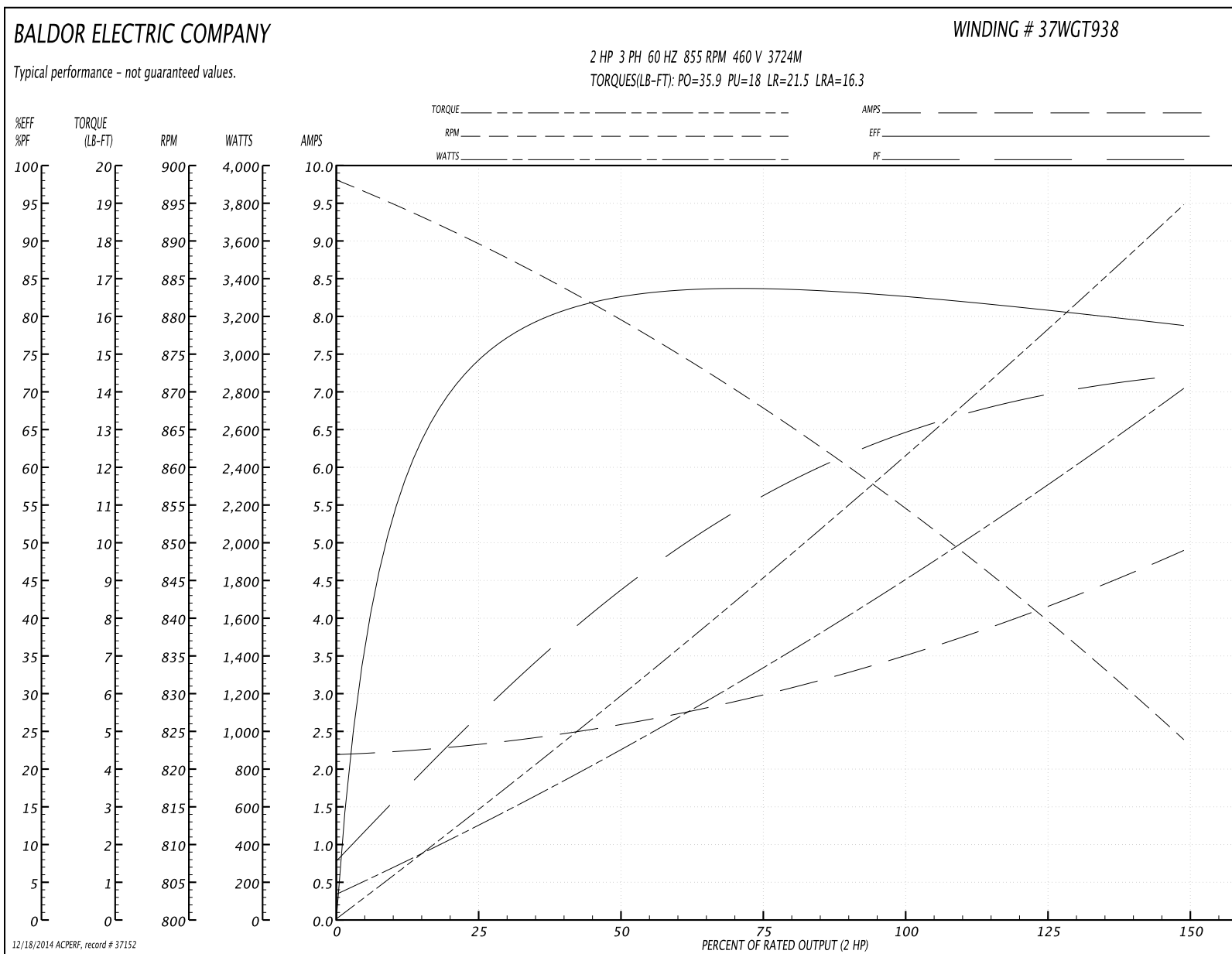
Winding: 37WGT938-R002	Type: 3724M	Enclosure: TEFC
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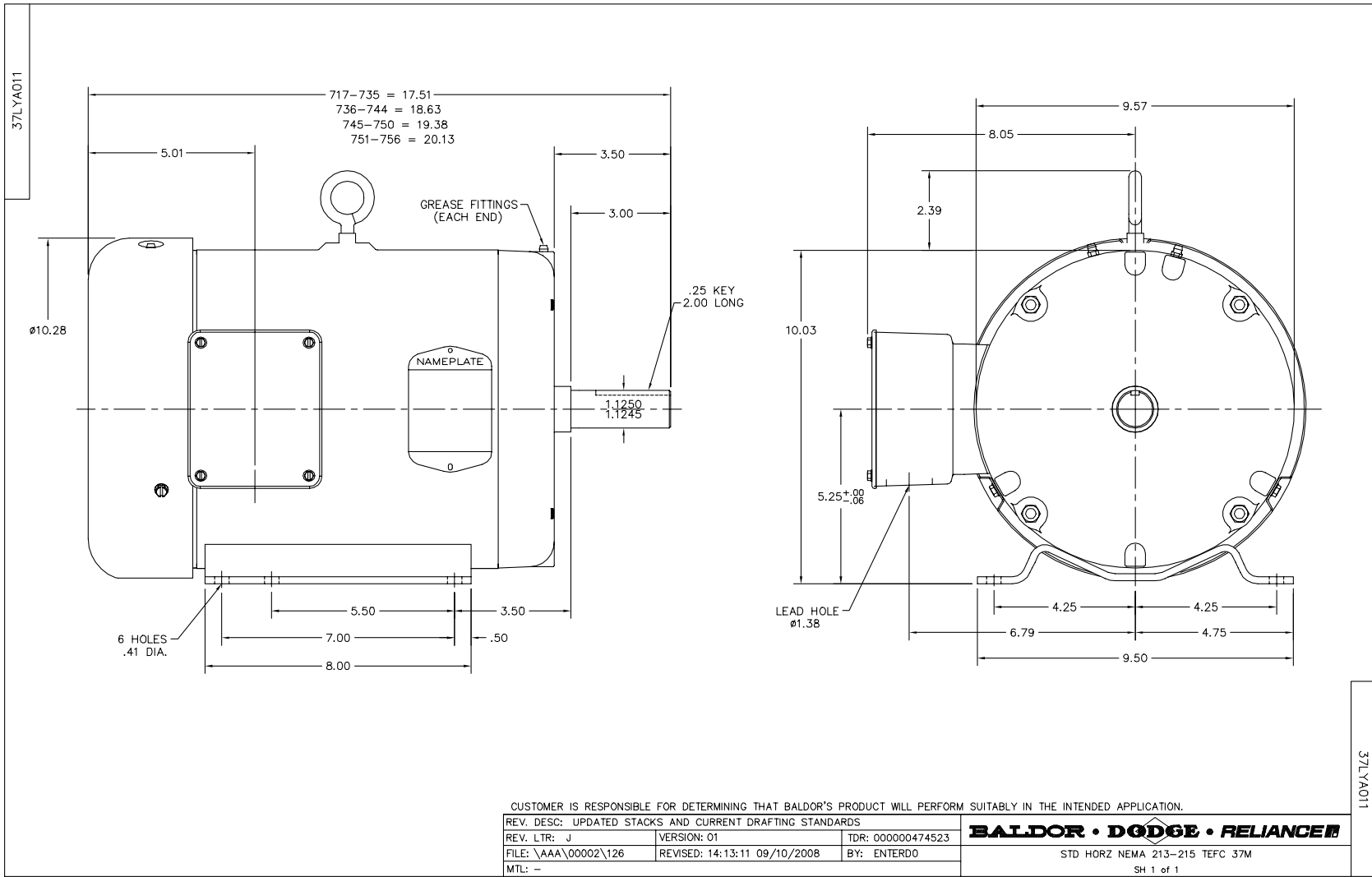
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	12.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	7.6-7/3.5			Breakdown Torque	35.9 LB-FT
R.P.M.	855			Pull-up Torque	18 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	21.5 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	16.3 A
Service Factor (S.F.)	1.15			No-load Current	2.2 A
NEMA Nom. Eff.	82.5	Power Factor	65	Line-line Res. @ 25°C	6.98 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
S.F. Amps				Temp. Rise @ S.F. Load	59°C
				Rotor inertia	0.597 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

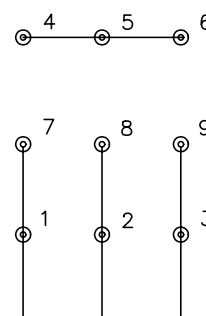
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	44	56	64	69	73	67
Efficiency	72.2	80.8	83.3	83.6	81.7	78.3	82.5
Speed	889	879	868	856	841	823	847
Line amperes	2.3	2.59	2.99	3.49	4.11	4.91	3.86

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

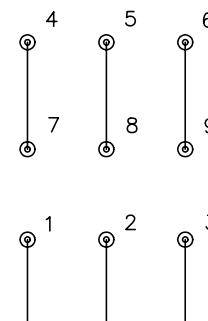




CD0005

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