

BALDOR® • RELIANCE

Product Information Packet

FM3313T-8

10HP,1765RPM,3PH,60HZ,213T,3733M,OPEN,F2

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3733M	Elec. Spec:	37WGS189	CD Diagram:	CD0006
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	37G699	Layout:	37LYG699
Frame:	215T	Mounting:	F2	Poles:	04	Created Date:	09-29-2006
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-08-2013
Leads:	3#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	FM3313T-8									
SPEC.	37G699S189H1									
HP	10									
VOLTS	200									
AMP	30.8									
RPM	1765									
FRAME	215T	HZ			60	PH		3		
SER.F.	1.15	CODE			J	DES		A	CLASS	B
NEMA-NOM-EFF	89.5	PF			78					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6307	ODE			6206					
ENCL	OPEN	SN								

Parts List		
Part Number	Description	Quantity
SA149046	SA 37G699S189H1	1.000 EA
RA137987	RA 37G699S189H1	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
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
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
37EP3200A01SP	FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3201A01	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0006	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
G0PA1000	SPCL PACKAGING	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
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 22852 - Typical performance - not guaranteed values

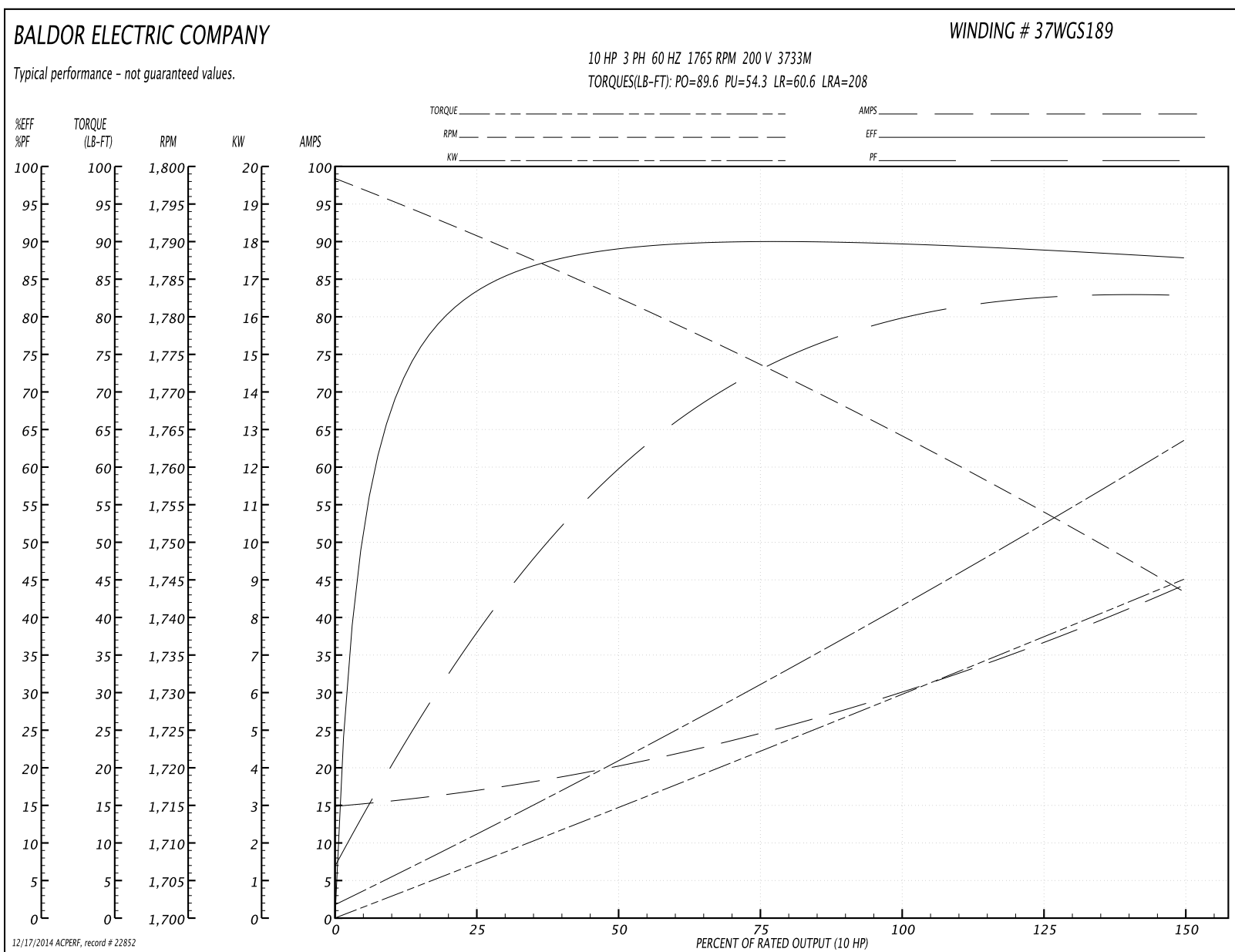
Winding: 37WGS189-R001	Type: 3733M	Enclosure: OPSB
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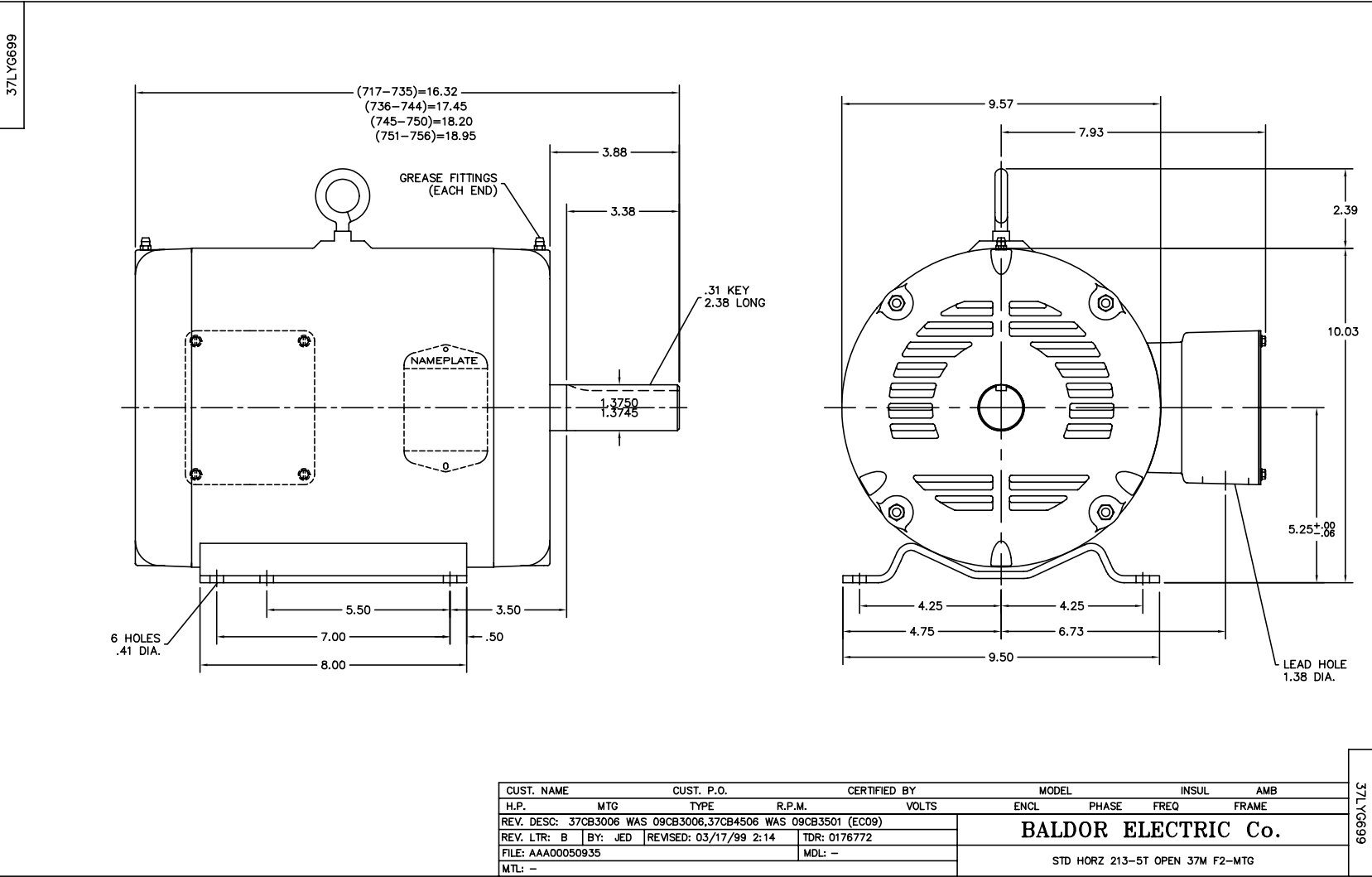
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	29.7 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	30.8			Breakdown Torque	89.6 LB-FT
R.P.M.	1765			Pull-up Torque	54.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	60.6 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	208 A
Service Factor (S.F.)	1.15			No-load Current	15.3 A
NEMA Nom. Eff.	89.5	Power Factor	78	Line-line Res. @ 25°C	0.224 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Rotor inertia	0.811 LF ²

Load Characteristics 200 V, 60 Hz, 10 HP

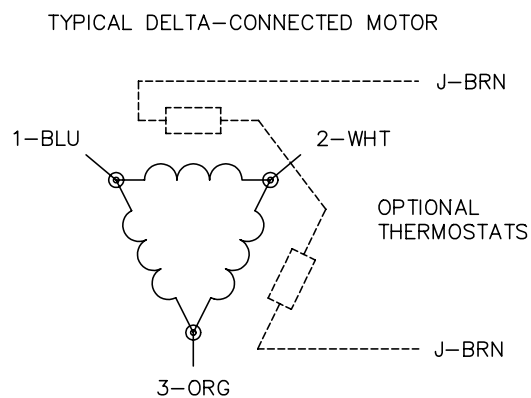
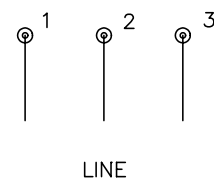
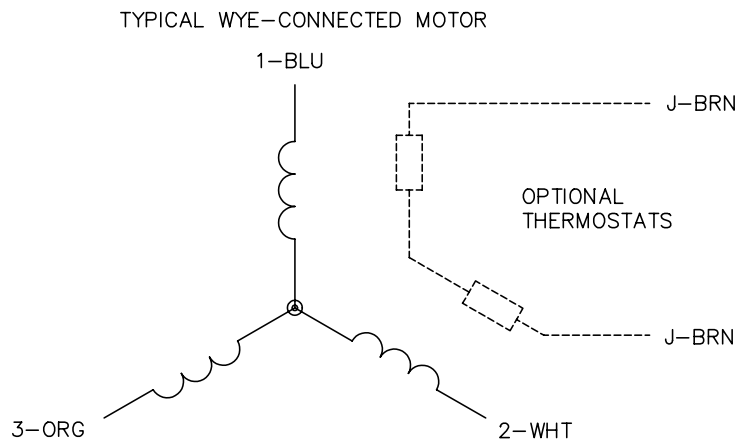
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	73	79	82	83	81
Efficiency	82.7	88.9	90.1	89.7	88.9	87.8	89.2
Speed	1790	1783	1774	1764	1755	1743	1759
Line amperes	16.4	19.8	24.6	30.4	36.7	44	34.2

Performance Graph at 200V, 60Hz, 10.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006