

BALDOR® • RELIANCE

Product Information Packet

EFM3711T

10HP,3490RPM,3PH,60HZ,215T,3728M,TEFC,F2

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3728M	Elec. Spec:	37WGS864	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37A006	Layout:	37LYA006
Frame:	215T	Mounting:	F2	Poles:	02	Created Date:	04-22-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-17-2016
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L

CAT.NO.	EFM3711T										
SPEC.	37A006S864G1										
HP	10										
VOLTS	230/460										
AMP	23.6/11.8										
RPM	3490										
FRAME	215T					HZ	60			PH	3
SER.F.	1.15			CODE	G		DES	B		CL	F
NEMA-NOM-EFF	90.2				PF	87					
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V			24.9		
DE	6307					ODE	6206				
ENCL	TEFC			SN							
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1)											

Parts List		
Part Number	Description	Quantity
SA261917	SA 37A006S864G1	1.000 EA
RA248654	RA 37A006S864G1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 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
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3100A01	PUEP ASSEMBLY - ROUTING PUPROSES	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	PRIMED	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
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

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.028 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 53399 - Typical performance - not guaranteed values

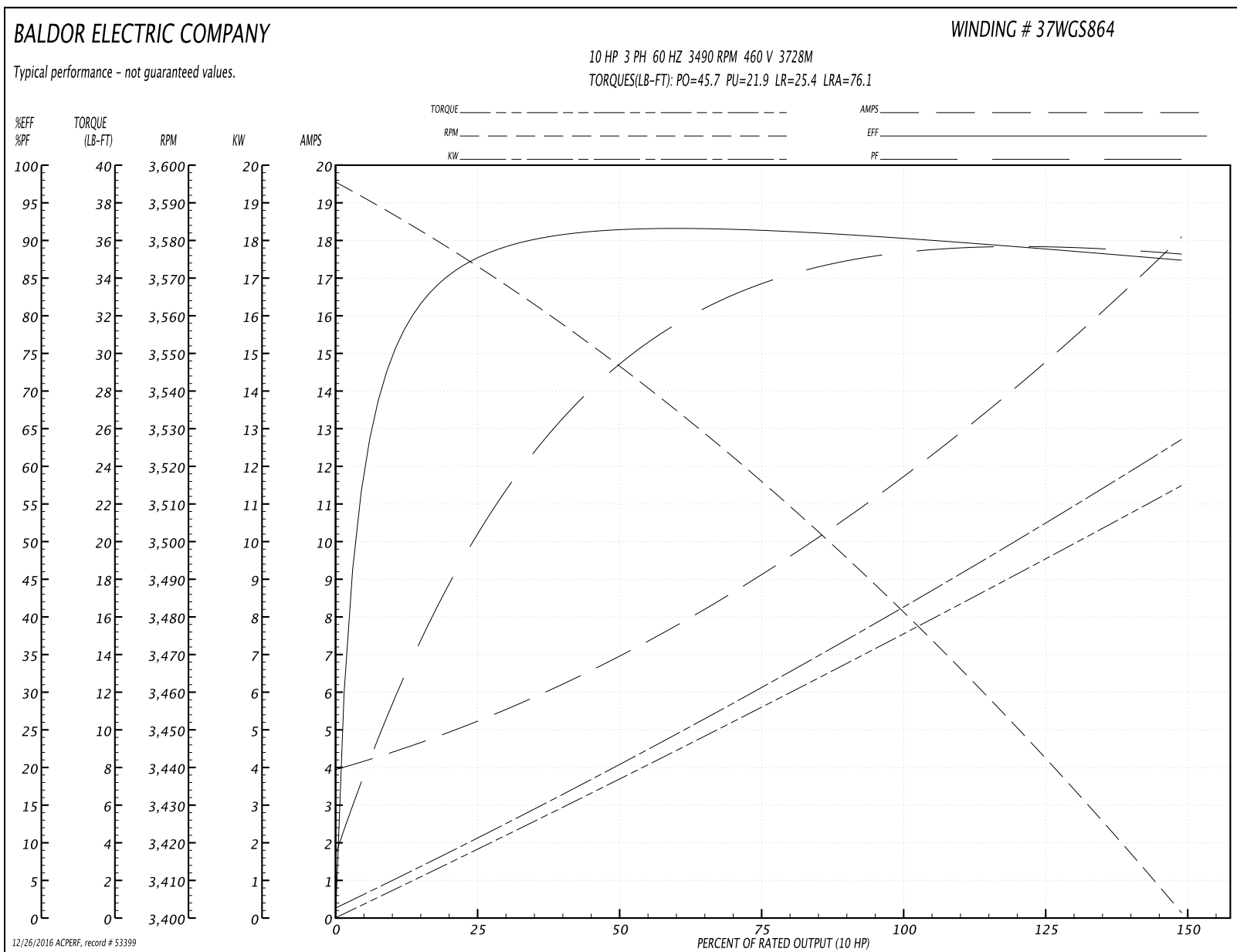
Winding: 37WGS864-R028	Type: 3728M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	23.6/11.8			Breakdown Torque	45.7 LB-FT
R.P.M.	3490			Pull-up Torque	21.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	25.4 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	76.1 A
Service Factor (S.F.)	1.15			No-load Current	4.12 A
NEMA Nom. Eff.	90.2	Power Factor	87	Line-line Res. @ 25°C	0.991 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
S.F. Amps				Temp. Rise @ S.F. Load	98°C
				Locked-rotor Power Factor	33.1
				Rotor inertia	0.255 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	84	87	89	89	88
Efficiency	86.7	91	91.4	90.6	89.1	87.3	90
Speed	3575	3547	3516	3482	3445	3401	3464
Line amperes	4.94	6.85	9.1	11.8	14.7	18	13.5

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 59174 - Typical performance - not guaranteed values

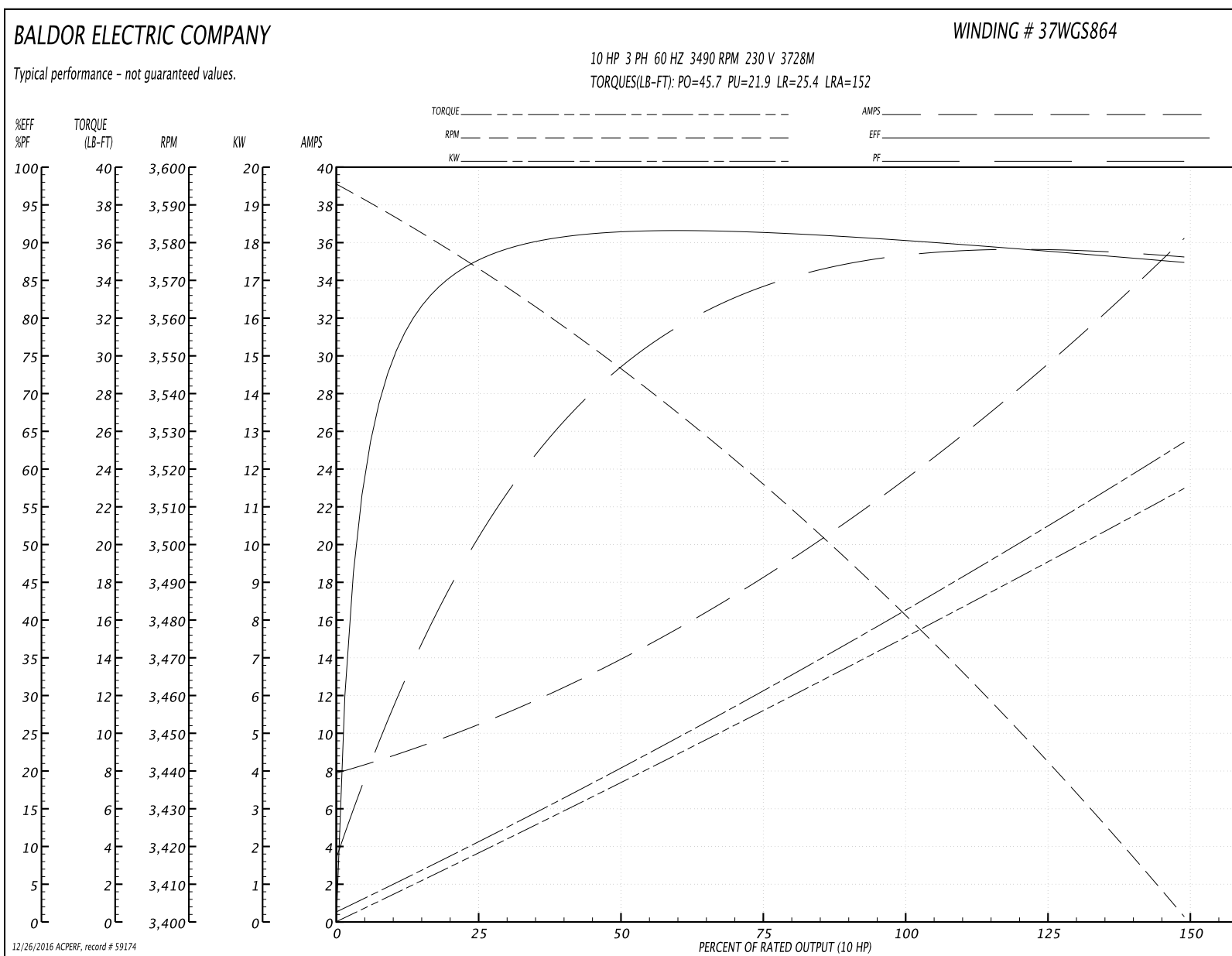
Winding: 37WGS864-R028	Type: 3728M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	23.6/11.8			Breakdown Torque	45.7 LB-FT
R.P.M.	3490			Pull-up Torque	21.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	25.4 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	152 A
Service Factor (S.F.)	1.15			No-load Current	8.25 A
NEMA Nom. Eff.	90.2	Power Factor	87	Line-line Res. @ 25°C	0.248 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C
S.F. Amps				Temp. Rise @ S.F. Load	98°C
				Locked-rotor Power Factor	33.1
				Rotor inertia	0.255 LB-FT2

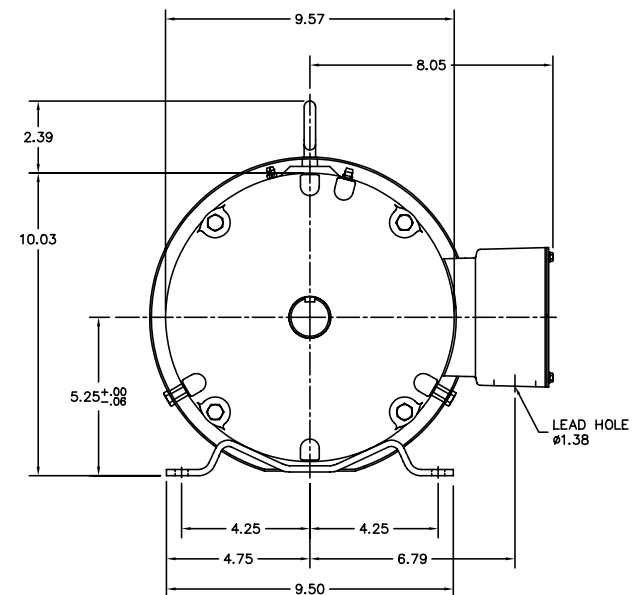
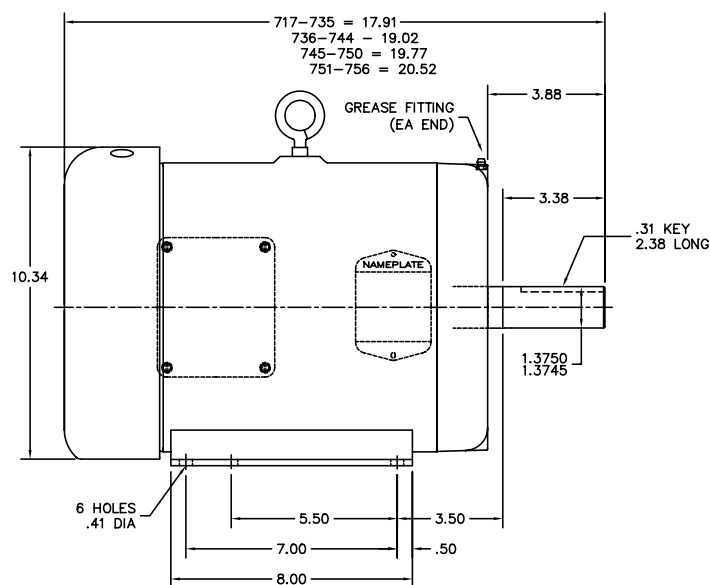
Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	84	87	88	89	88
Efficiency	86.7	91	91.4	90.6	89.1	87.3	90
Speed	3575	3547	3516	3482	3445	3401	3464
Line amperes	9.88	13.7	18.2	23.6	29.5	36	27.1

Performance Graph at 230V, 60Hz, 10.0HP Typical performance - Not guaranteed values



37LYA006



CUST. NAME	CUST. P.O.	CERTIFIED BY	MODEL	INSUL	AMB
H.P.	MTG	TYPE	R.P.M.	VOLTS	ENCL
REV. DESC:	37CB3006	WAS 37CB3004			
REV. LTR:	D	BY: JMB	REVISED: 04/04/00 8:18	TDR: 0204099	
FILE:	AAA00033062		MDL: -		
MTL: -					
BALDOR ELECTRIC Co.					
STD HORZ 213-5T TEFC 37M F2					

37LYA006

