BALDOR • RELIANCE

Customer information packet

37G697S397H1

10HP, 1770RPM, 3PH, 60HZ, 215T, 3740M, TEFC, F1
Class -
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	31.300 A @ 200.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	31.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K

Part detail

Revision	H
Type	AC
Mech. spec.	37G697
Base	
Status	NLA/A
Elec. spec.	37WGS397
Layout	37LYG697
Eff. date	05-17-2016
CD Diagram	CD0006
Poles	04
Leads	3#10
Proprietary	False
Created date	07-18-2007

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.01 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.									
SPEC.	37G697S397H1								
HP	10								
VOLTS	200								
AMP	31.3								
RPM	1770								
FRAME	215T		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	A	**CLASS**		F	
NEMA-NOM-EFF	89.5	**PF**	77						
RATING	40C AMB-CONT								
CC	010A								
DE	6307		**ODE**	6206					
ENCL	TEFC	**SN**							

Parts list

Part number	Description	Quantity
SA160716	SA 37G697S397H1	1.000 ea
RA149301	RA 37G697S397H1	1.000 ea
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT 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
WD1000B17	T&B CX35TN OR L35P TERMINAL LUG	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
37EP3100A01	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
37GS1008	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
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 ga
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 ea
LB1624	WARNING LABEL	1.000 ea
LC0006	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea

G0PA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data
Record # 24804
Typical performance - not guaranteed values

Winding: 37WGS397-R001	**Type:** 3740M	**Enclosure:** TEFC

Nameplate Data				**200 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	29.5 LB-FT
Volts			200	**Start Configuration**	direct on line
Full Load Amps			31.3	**Breakdown Torque**	123 LB-FT
R.P.M.			1770	**Pull-up Torque**	54.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	69.9 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	250 A
Service Factor (S.F.)			1.15	**No-load Current**	17.3 A
NEMA Nom. Eff.	89.5	**Power Factor**	77	**Line-line Res. @ 25ºC**	0.214 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	79°C
S.F. Amps				**Temp. Rise @ S.F. Load**	92°C
				Locked-rotor Power Factor	41
				Rotor inertia	0.984 LB-FT2

Load Characteristics 200 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	35	57	69	76	81	83	79
Efficiency	81	88.5	89.3	89.5	88.8	88.1	89.1
Speed	1793	1785	1777	1769	1760	1752	1764
Line amperes	18.4	21.6	25.6	31.3	37.4	43.9	35

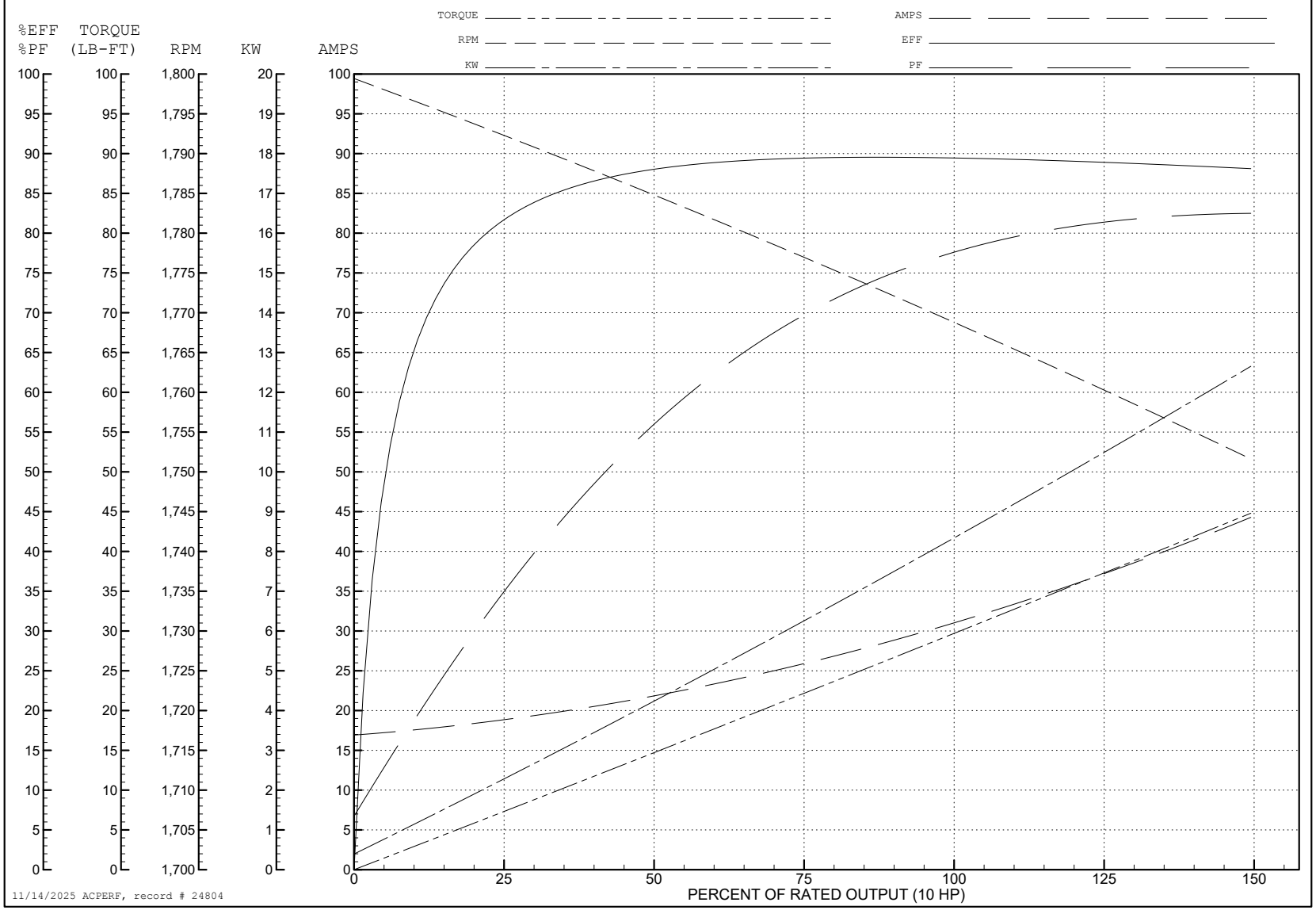
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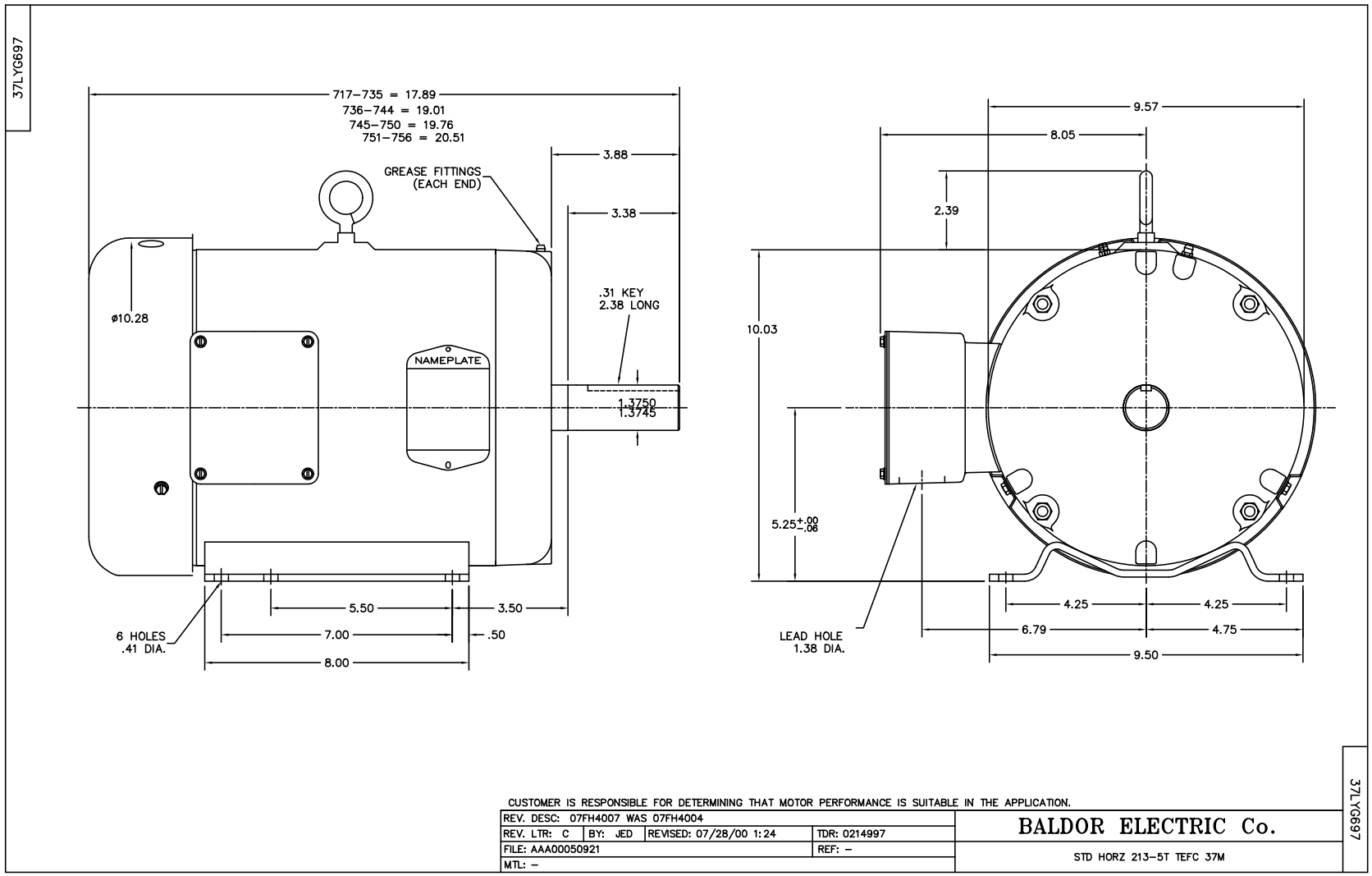
WINDING # 37WGS397

10 HP 3 PH 60 HZ 1770 RPM 200 V 3740M

Typical performance - not guaranteed values.

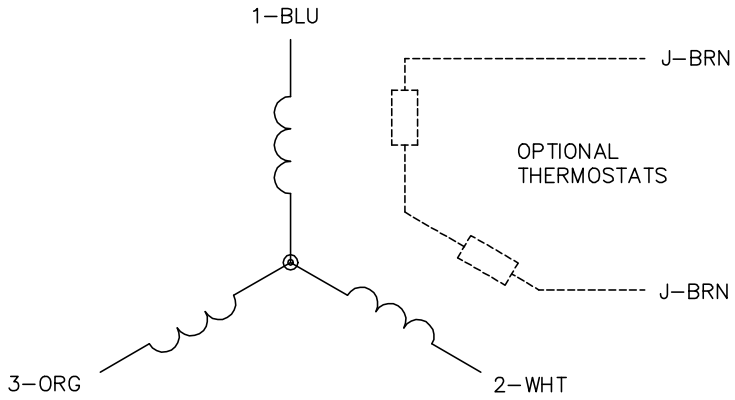
TORQUES(LB-FT): PO=123 PU=54.5 LR=69.9 LRA=250

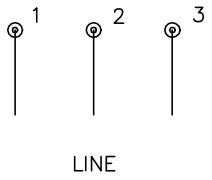



37LYG697
717–735 = 17.89
736–744 = 19.01
745–750 = 19.76
751–756 = 20.51
3.88
GREASE FITTINGS
(EACH END)
3.38
.31 KEY
2.38 LONG
ø10.28
NAMEPLATE
1.3750
1.3745
5.50
3.50
7.00
.50
8.00
6 HOLES
.41 DIA.
9.57
8.05
2.39
10.03
5.25 +.00 -.06
4.25
4.25
6.79
4.75
9.50
LEAD HOLE
1.38 DIA.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
REV. DESC: 07FH4007 WAS 07FH4004
REV. LTR: C
BY: JED
REVISED: 07/28/00 1:24
TDR: 0214997
FILE: AAA00050921
REF: –
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BALDOR ELECTRIC Co.
STD HORZ 213–5T TEFC 37M
37LYG697

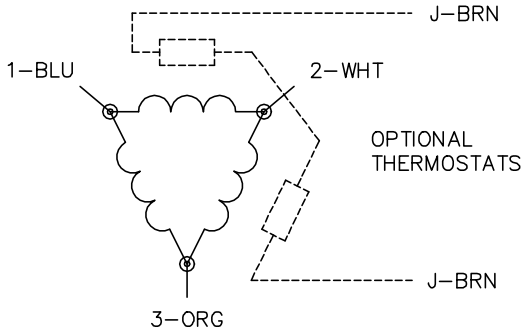
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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.

CD0006

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FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

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

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