

BALDOR® • RELIANCE

Product Information Packet

JMM7074T

10HP,3500RPM,3PH,60HZ,215JM,3731M,XPFC,F

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3731M	Elec. Spec:	37WGR406	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	37R081	Layout:	37LYR081
Frame:	215JM	Mounting:	F1	Poles:	02	Created Date:	10-05-2012
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0015XPSL						
NO.		CC	010A			
SER.						
SPEC.	37R081R406H1					
CAT.NO.	JMM7074T					
HP	10	T. CODE	T2C			
VOLTS	230/460					
AMPS	24/12					
RPM	3510					
HZ	60	PH	3	CL	B	
SER.F.	1.00	DES	A	CODE	J	
RATING	40C AMB-CONT					
FRAME	215JM	NEMA-NOM-EFF	90.2			
USABLE AT 208V		PF	86			
BLANK						

Parts List		
Part Number	Description	Quantity
SA252190	SA 37R081R406H1	1.000 EA
RA239022	RA 37R081R406H1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
37EP1704A01	FR ENDPLATE, TEFC, CAST IRON, MACHINED	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1700A01	PU EP, XPFC, 213-5TC	1.000 EA
HW4001A02	3/8 HX SOC PIPE PLUG W/.75" TAPER (F/S)	2.000 EA
60XN1032A07	10-32 X 1/2 TRUSS HEAD, TORX SERRATED ZN	2.000 EA
12XN2520A24	1/4-20X 1 1/2 HEX HD SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	4.000 EA
37FH4000A02SP	FAN COVER, W/ AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	1.000 EA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.028 GA
HA3106A02	THRUBOLT- 1/2-13 X 10.750	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0015XPSL	SS XP UL CSA CC CL-I GP-D	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	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

AC Induction Motor Performance Data

Record # 40232 - Typical performance - not guaranteed values

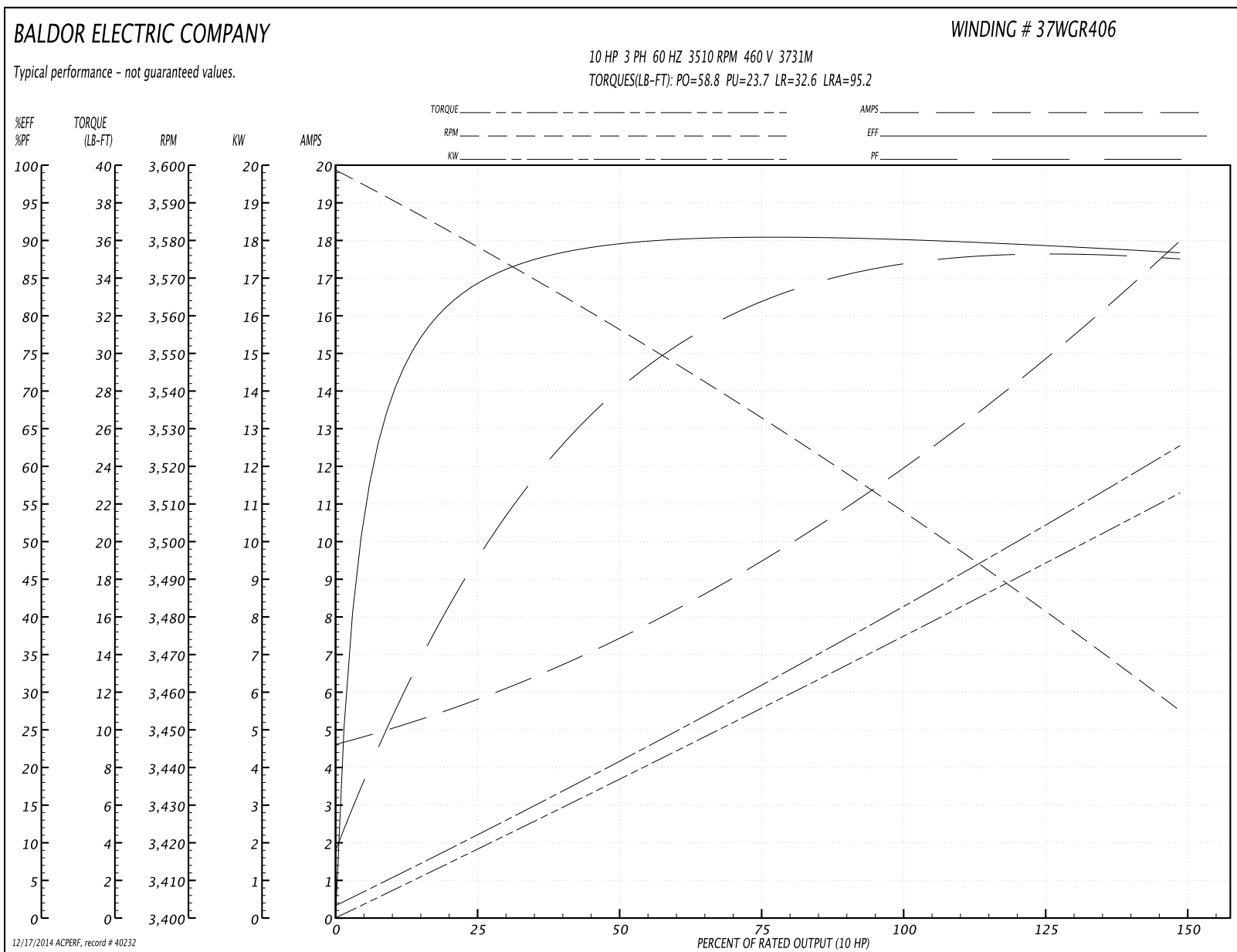
Winding: 37WGR406-R001	Type: 3731M	Enclosure: XPFC
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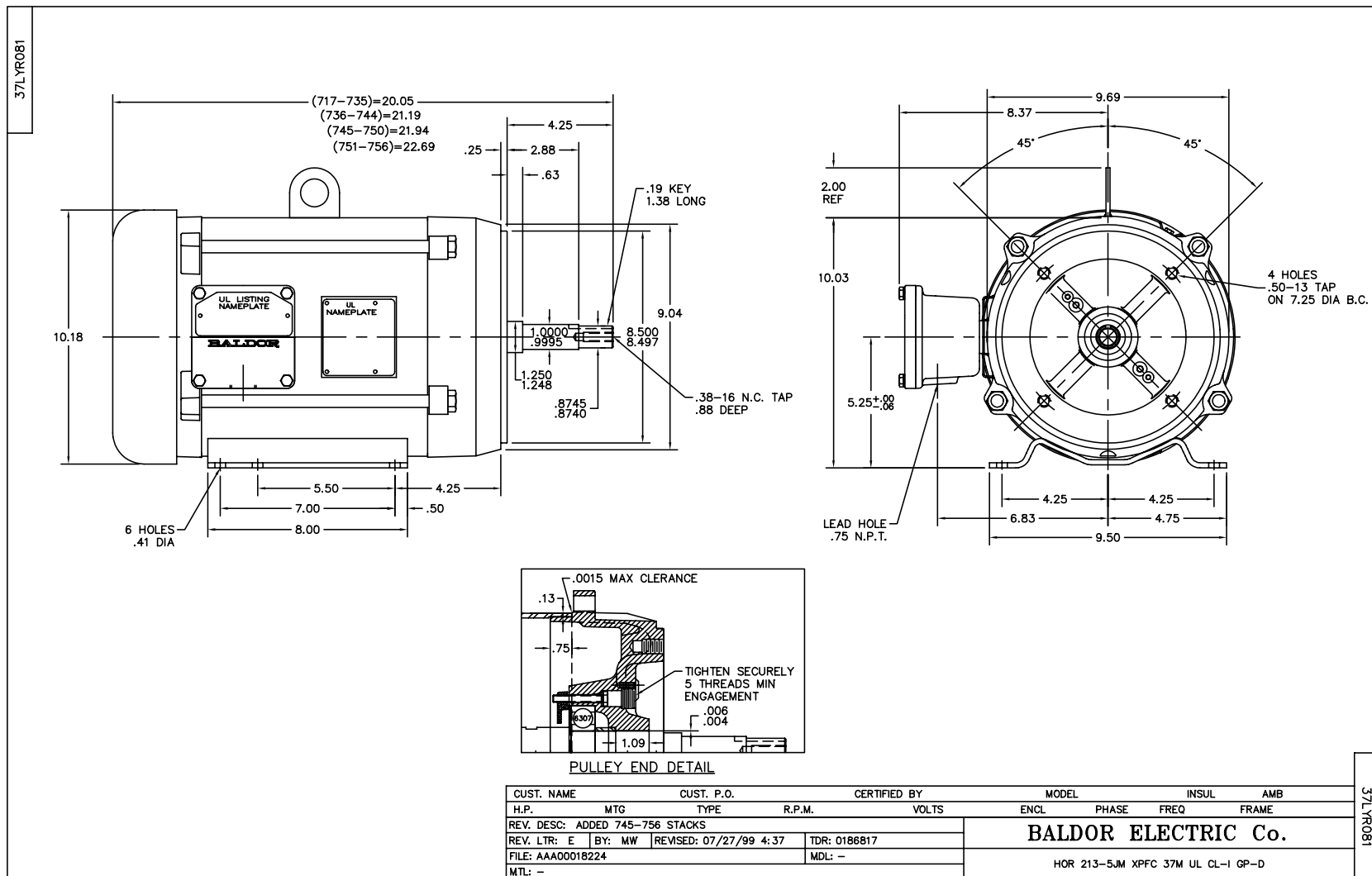
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	14.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	24/12			Breakdown Torque	58.8 LB-FT
R.P.M.	3510			Pull-up Torque	23.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	32.6 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	95.2 A
Service Factor (S.F.)	1			No-load Current	4.79 A
NEMA Nom. Eff.	90.2	Power Factor	86	Line-line Res. @ 25°C	0.83303 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	76°C
				Rotor inertia	0.282 LF ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	48	70	81	86	88	88
Efficiency	83.4	89.3	90.6	90.5	89.7	88.5
Speed	3579.4	3557.5	3533.7	3509.4	3483.5	3454.8
Line amperes	5.49	7.25	9.41	12	14.7	17.9

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

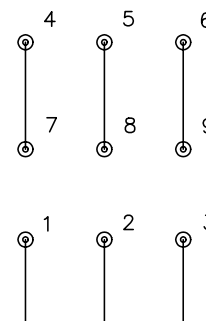




CD0005

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