

BALDOR® • RELIANCE

Product Information Packet

VM7047T

7.5//5HP,1770//1470RPM,3PH,60//50HZ,213T

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3731M	Elec. Spec:	37WGS150	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	37R015	Layout:	37LYR015
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	04-07-2009
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	08-15-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC	010A			
SER.						
SPEC.	37R015S150G1					
CAT.NO.	VM7047T					
HP	7.5//5	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	20.2/10.1//17.4/8.7					
RPM	1770//1470					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	A	CODE	K	
RATING	40C AMB-CONT					
FRAME	213TC	NEMA-NOM-EFF	89.5			
USABLE AT 208V		PF	77			
BLANK						

Parts List		
Part Number	Description	Quantity
SA181018	SA 37R015S150G1	1.000 EA
RA168965	RA 37R015S150G1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 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
37EP1102A01	STD FR EP, XPFC	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
12XN2520A26	HX HD .25-20X1.625 ZN PLT	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 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
37FH2000A01SP	STD XPROOF FAN COVER	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
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	6.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 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
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 29446 - Typical performance - not guaranteed values

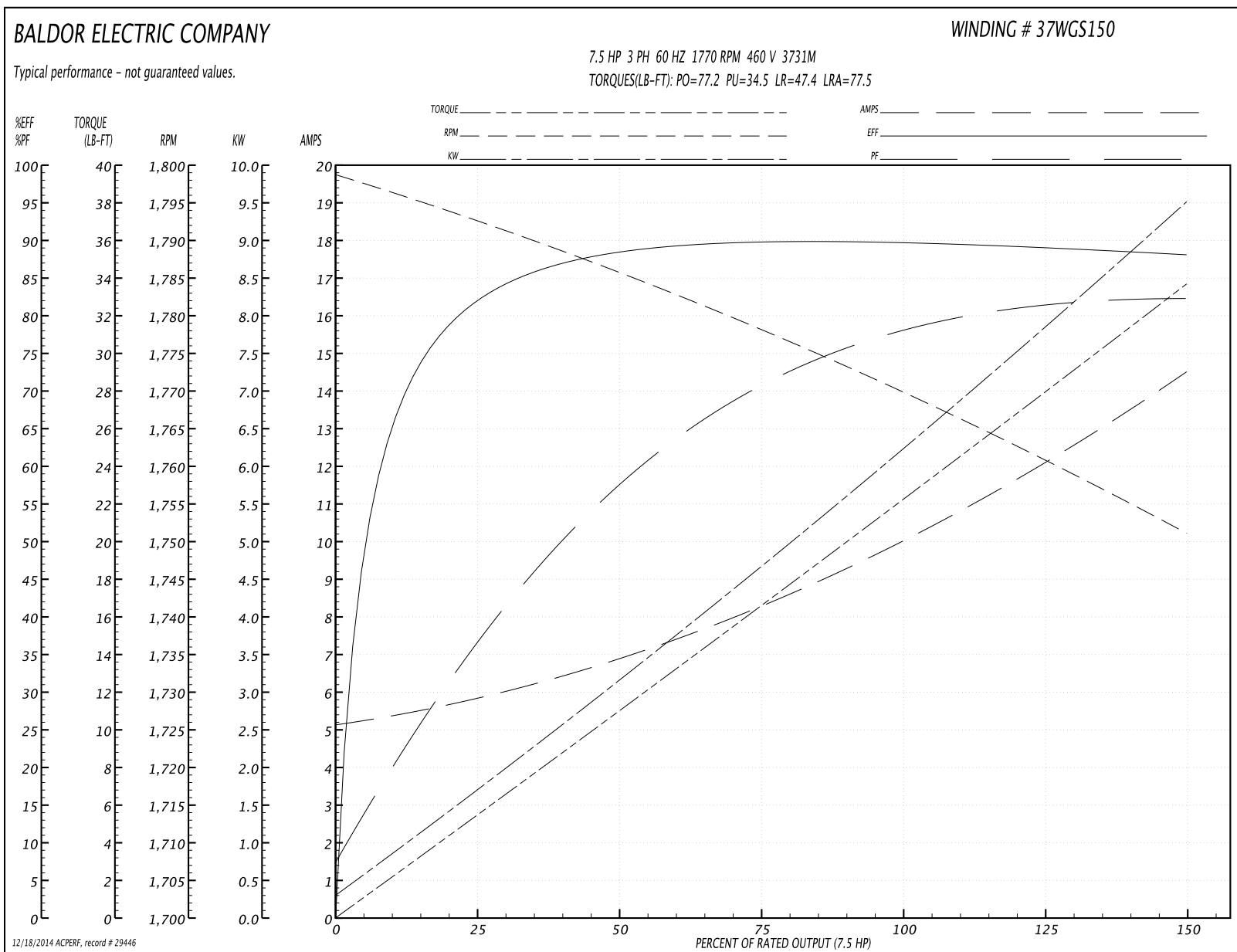
Winding: 37WGS150-R002	Type: 3731M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5//5			Full Load Torque	22.2 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	20.2/10.1//17.4/8.7			Breakdown Torque	77.2 LB-FT
R.P.M.	1770//1470			Pull-up Torque	34.5 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	47.4 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	77.5 A
Service Factor (S.F.)	1			No-load Current	5.25 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	1.37 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
				Rotor inertia	0.762 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	38	58	71	77	81	83
Efficiency	81.8	88.1	89.7	89.8	89.2	88.1
Speed	1792	1786	1778	1770	1761	1751
Line amperes	5.72	6.78	8.33	10.1	12.2	14.4

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 29447 - Typical performance - not guaranteed values

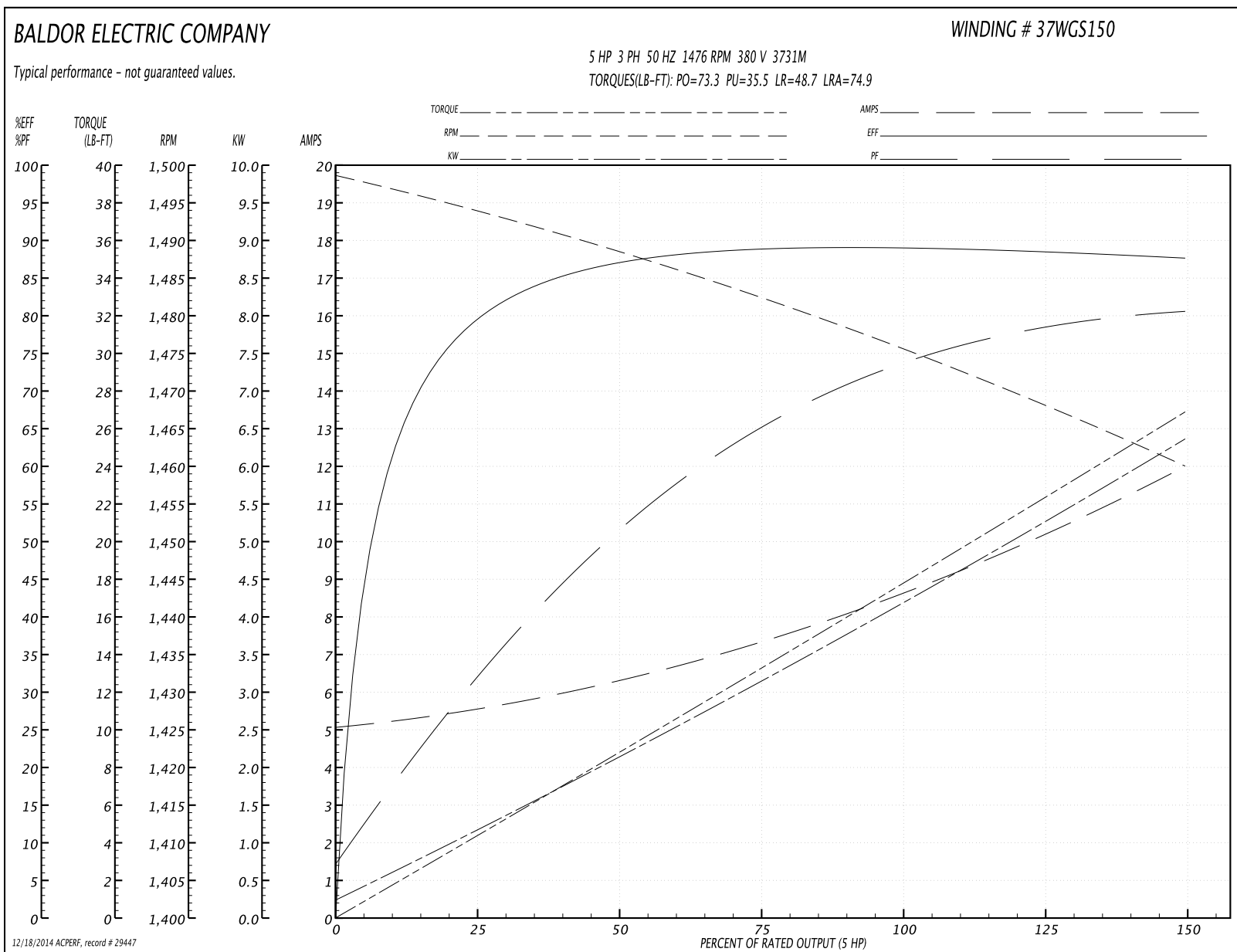
Winding: 37WGS150-R002	Type: 3731M	Enclosure: XPFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	7.5//5			Full Load Torque	17.8 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	20.2/10.1//17.4/8.7			Breakdown Torque	73.3 LB-FT
R.P.M.	1770//1470			Pull-up Torque	35.5 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	48.7 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	74.9 A
Service Factor (S.F.)	1			No-load Current	5.15 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	1.37 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
				Rotor inertia	0.762 LF ²

Load Characteristics 380 V, 50 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	33	52	65	73	78	81
Efficiency	79.2	86.9	88.8	89.5	88.2	87.7
Speed	1493	1489	1482	1476	1468	1460
Line amperes	5.48	6.23	7.37	8.69	10.3	11.9

Performance Graph at 380V, 50Hz, 5.0HP Typical performance - Not guaranteed values



12/18/2014 ACPERF, record # 29447

