

BALDOR® • RELIANCE

Product Information Packet

EM7142T-C

2/3HP,1460/1760RPM,3PH,50/60HZ,182T

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0632M	Elec. Spec:	06WGX181	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	06J016	Layout:	06LYJ016
Frame:	182T	Mounting:	F1	Poles:	04	Created Date:	12-21-2011
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	06-26-2015
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1482XPSLEV

NO.		CC	010A
SER.			
SPEC.	06J016X181G2		
CAT.NO.	EM7142T-C		
HP	3//2	T. CODE	T4
VOLTS	230/460//190/380		
AMPS	8.2/4.1//7/3.5		
RPM	1755//1465		
HZ	60//50	PH	3
SER.F.	1.00	DES	B
RATING	40C AMB-CONT	CL	B
FRAME	182T	CODE	J
USABLE AT 208V	8.6		
BLANK			

Parts List		
Part Number	Description	Quantity
SA236471	SA 06J016X181G2	1.000 EA
RA223418	RA 06J016X181G2	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
07CB1000A02	CONDUIT BOX, MODEL 306,EXP. PROOF	1.000 EA
84XN2520J12	1/4-20 X 3/4 SOC.HD CAP SCR	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
06EP1709A01	SPECIAL FRONT ENDPLATE X06M - XPFC	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3118K20	5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1718A01	36 PU EP XPFC 206 BRG	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3118K20	5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
06FH1003A01	FAN COVER, CAST X-PROOF--MACHINING	1.000 EA
51XN1032A14	10-32 X 0.875 HX WS SL SR	4.000 EA
07CB1502A01	CONDUIT BOX LID MACH (DUCTILE IRON)	1.000 EA
84XN2520J16	1/4-20 X 1 SOC HD CAP SCREW	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1081F	ALUM XP CAUTION LABEL (FS PLANT ONLY-	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1482XPSLEV	SS XP UL CSA-EEV CC CL-I GP-C&D	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 # 35541 - Typical performance - not guaranteed values

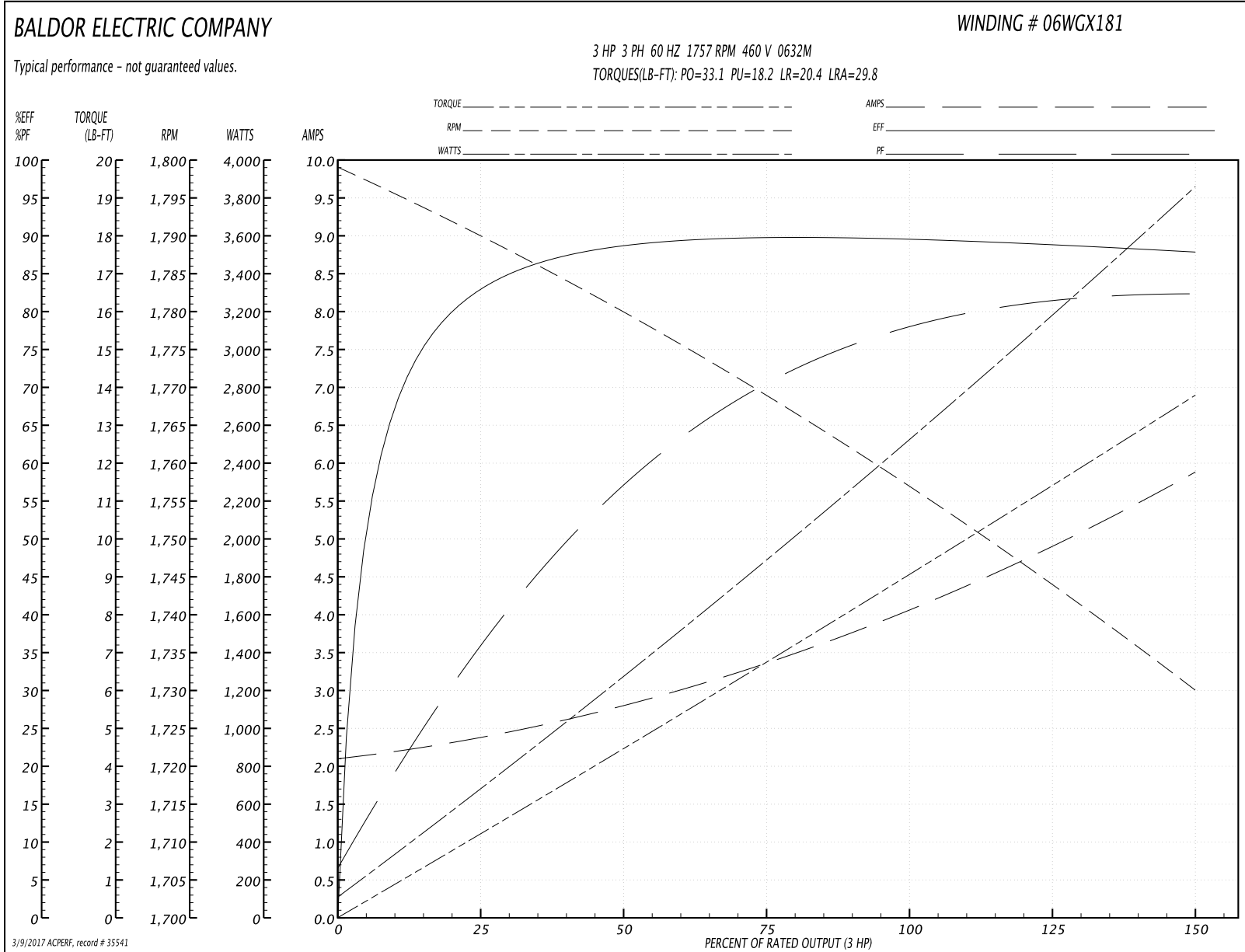
Winding: 06WGX181-R002	Type: 0632M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3//2			Full Load Torque	9.06 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	8.2/4.1//7/3.5			Breakdown Torque	33.1 LB-FT
R.P.M.	1755//1465			Pull-up Torque	18.2 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	20.4 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	29.8 A
Service Factor (S.F.)	1			No-load Current	2.14 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	3.94 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	35°C
S.F. Amps				Temp. Rise @ S.F. Load	42°C
				Locked-rotor Power Factor	41
				Rotor inertia	0.298 LB-FT ²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	38	58	70	77	81	83
Efficiency	83.2	88.3	89.8	89.7	89.1	87.7
Speed	1790	1779	1769	1757	1744	1730
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 50087 - Typical performance - not guaranteed values

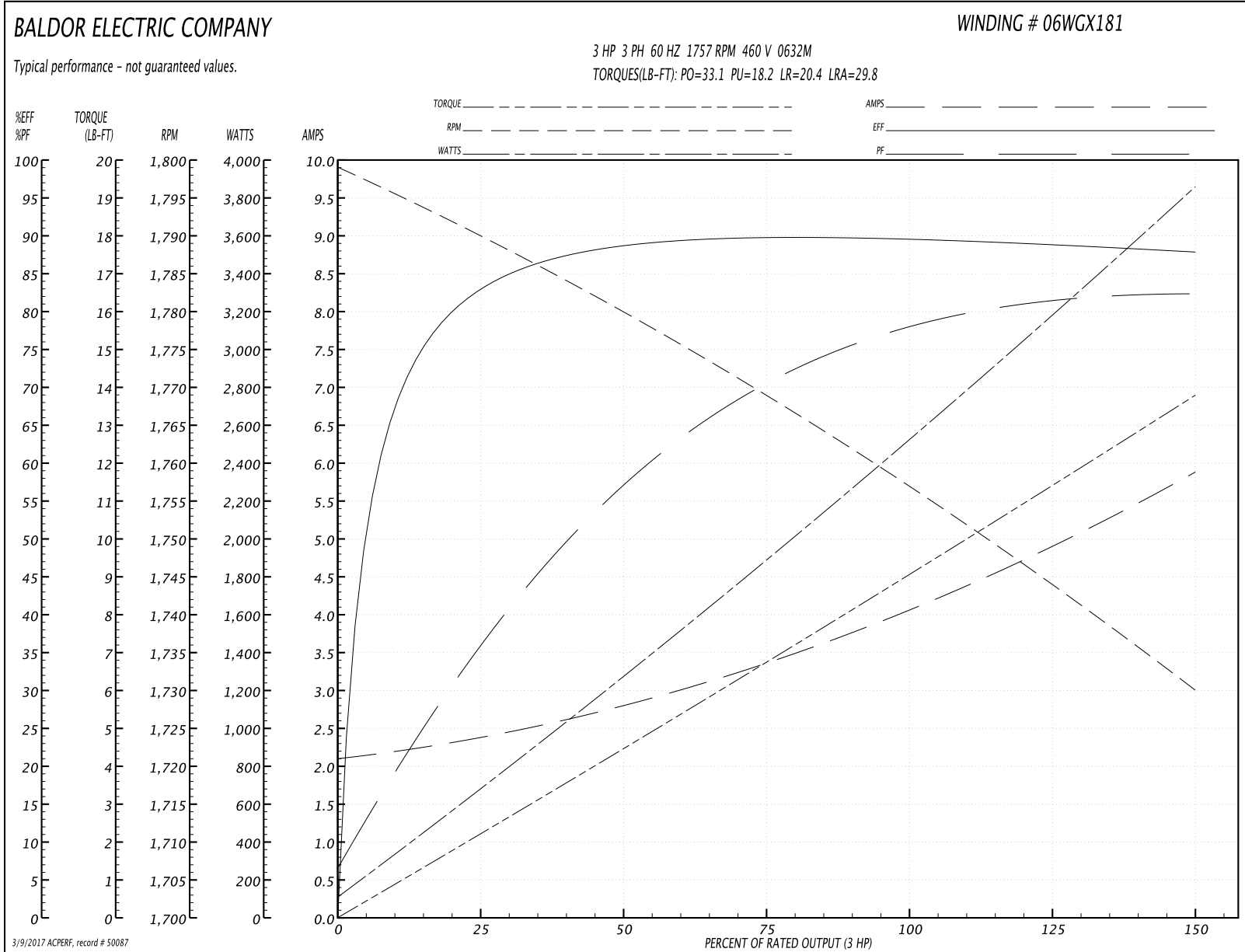
Winding: 06WGX181-RXXX	Type: 0632M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3//2			Full Load Torque	9.06 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	8.2/4.1//7/3.5			Breakdown Torque	33.1 LB-FT
R.P.M.	1755//1465			Pull-up Torque	18.2 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	20.4 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	29.8 A
Service Factor (S.F.)	1			No-load Current	2.14 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	3.93 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	35°C
				Locked-rotor Power Factor	41.4
				Rotor inertia	0.298 LB-FT ²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	38	58	70	77	81	83
Efficiency	83.2	88.3	89.8	89.7	89.1	87.7
Speed	1790	1779	1769	1757	1744	1730
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



3/9/2017 ACPERF, record # 50087

