

BALDOR® • RELIANCE

Product Information Packet

EM7144T-C

5//3HP,1750//1450RPM,3PH,60//50HZ,184T,0

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0641M	Elec. Spec:	06WGX182	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	06H297	Layout:	06LYH297
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	08-04-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-06-2014
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1482XPSL						
NO.		CC	010A			
SER.						
SPEC.	06H297X182G1					
CAT.NO.	EM7144T-C					
HP	5//3	T. CODE	T4			
VOLTS	230/460//190/380					
AMPS	13.2/6.6//10.4/5.2					
RPM	1750//1450					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	B	CODE	J	
RATING	40C AMB-CONT					
FRAME	184T	NEMA-NOM-EFF	89.5			
USABLE AT 208V	14	PF	79			
BLANK						

Parts List		
Part Number	Description	Quantity
SA200978	SA 06H297X182G1	1.000 EA
RA188283	RA 06H297X182G1	1.000 EA
36FN3000C01SP	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
LB1081	ALUM XP CAUTION LABEL	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.028 GA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1482XPSL	SS XP UL CSA CC CL-I GP-C&D CL-II GP-F&G	1.000 EA
G0PA1000	SPCL PACKAGING	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 35542 - Typical performance - not guaranteed values

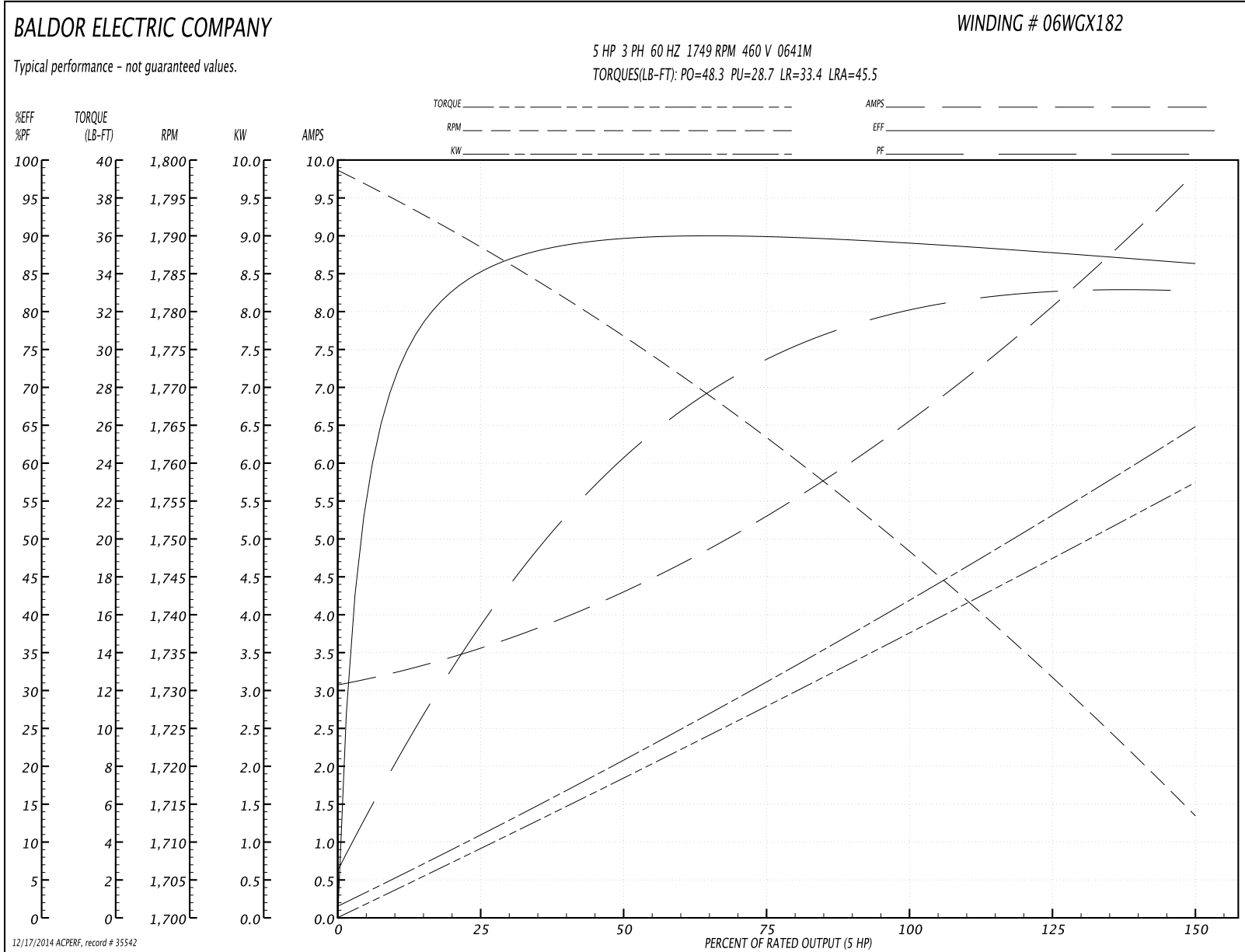
Winding: 06WGX182-R002	Type: 0641M	Enclosure: XPFC
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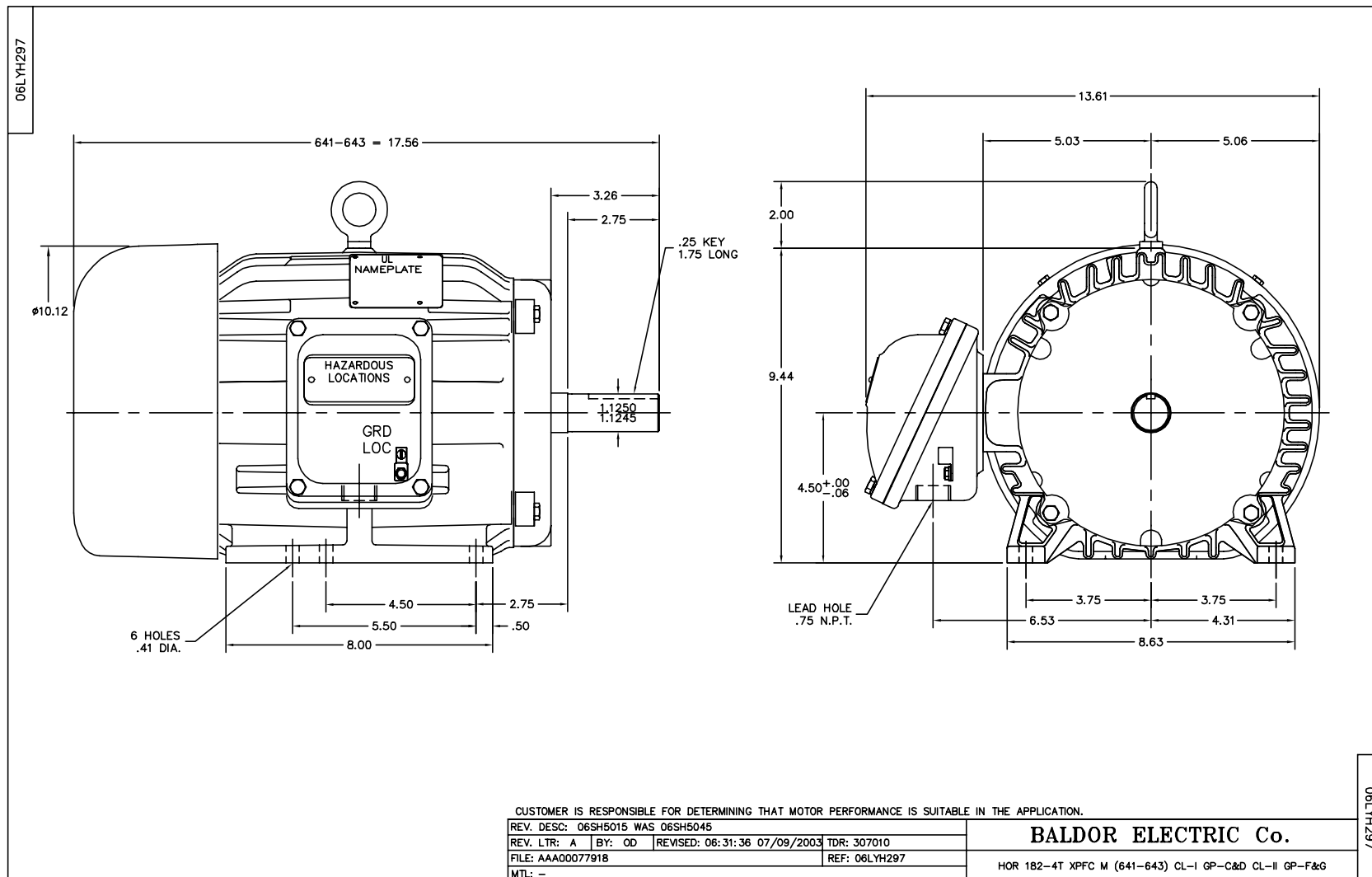
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5//3			Full Load Torque	15 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	13.2/6//10.4/5.2			Breakdown Torque	48.3 LB-FT
R.P.M.	1750//1450			Pull-up Torque	28.7 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	33.4 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	45.5 A
Service Factor (S.F.)	1			No-load Current	3.15 A
NEMA Nom. Eff.	89.5	Power Factor	79	Line-line Res. @ 25°C	2.47 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	64°C
				Rotor inertia	0.382 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	41	62	74	79	82	83
Efficiency	84.7	89.6	89.6	89.2	88.2	86.1
Speed	1788	1776	1763	1749	1732	1713
Line amperes	3.48	4.26	5.34	6.63	8.11	9.79

Performance Graph at 460V, 60Hz, 5.0HP 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