

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EM7170T-C**

**10//7.5HP,1760//1465RPM,3PH,60//50HZ,215**

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0748M	Elec. Spec:	07WGY179	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	07H841	Layout:	07LYH841
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	05-19-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-19-2015
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1482XPSL	
NO.	<input type="text"/> CC 010A
SER.	<input type="text"/>
SPEC.	07H841Y179G1
CAT.NO.	EM7170T-C
HP	10//7.5 T. CODE T3C
VOLTS	230/460//190/380
AMPS	24.4/12.2//22.6/11.3
RPM	1760//1465
HZ	60//50 PH 3 CL B
SER.F.	1.00 DES B CODE H
RATING	40C AMB-CONT
FRAME	215T NEMA-NOM-EFF 91.7
USABLE AT 208V	PF 83
BLANK	<input type="text"/>

Parts List		
Part Number	Description	Quantity
SA197074	SA 07H841Y179G1	1.000 EA
RA184511	RA 07H841Y179G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
HA3210E08	.250X 7/8 PIN 312-57	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
07CB1000A01	CONDUIT BOX MACH	1.000 EA
10XN3118A16	5/16-18X1 HEX HD CAP	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
07EP1707A07	STD FRONT ENDPLATE EXPLOSION PROOF	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
07EP1710A01	STANDARD PULLEY ENDPLATE EXPLOSION PROOF	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
07FH1003A01	STANDARD 307 EXPLOSION PROOF FAN HOUSING	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	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
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
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
LB1081F	ALUM XP CAUTION LABEL (FS PLANT ONLY-	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.036 GA
LB1119N	WARNING LABEL	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
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 35567 - Typical performance - not guaranteed values

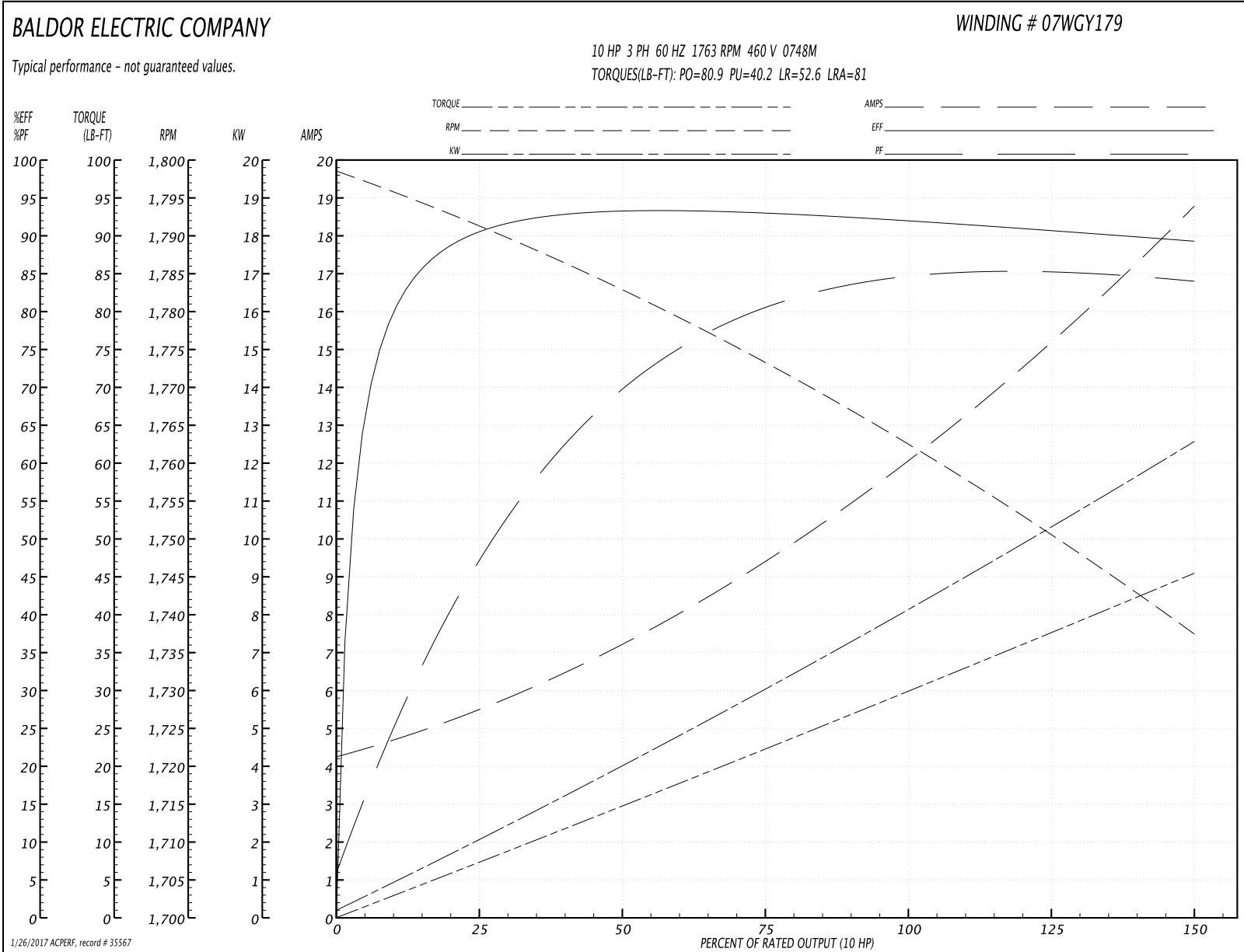
<b>Winding:</b> 07WGY179-R003	<b>Type:</b> 0748M	<b>Enclosure:</b> XPFC
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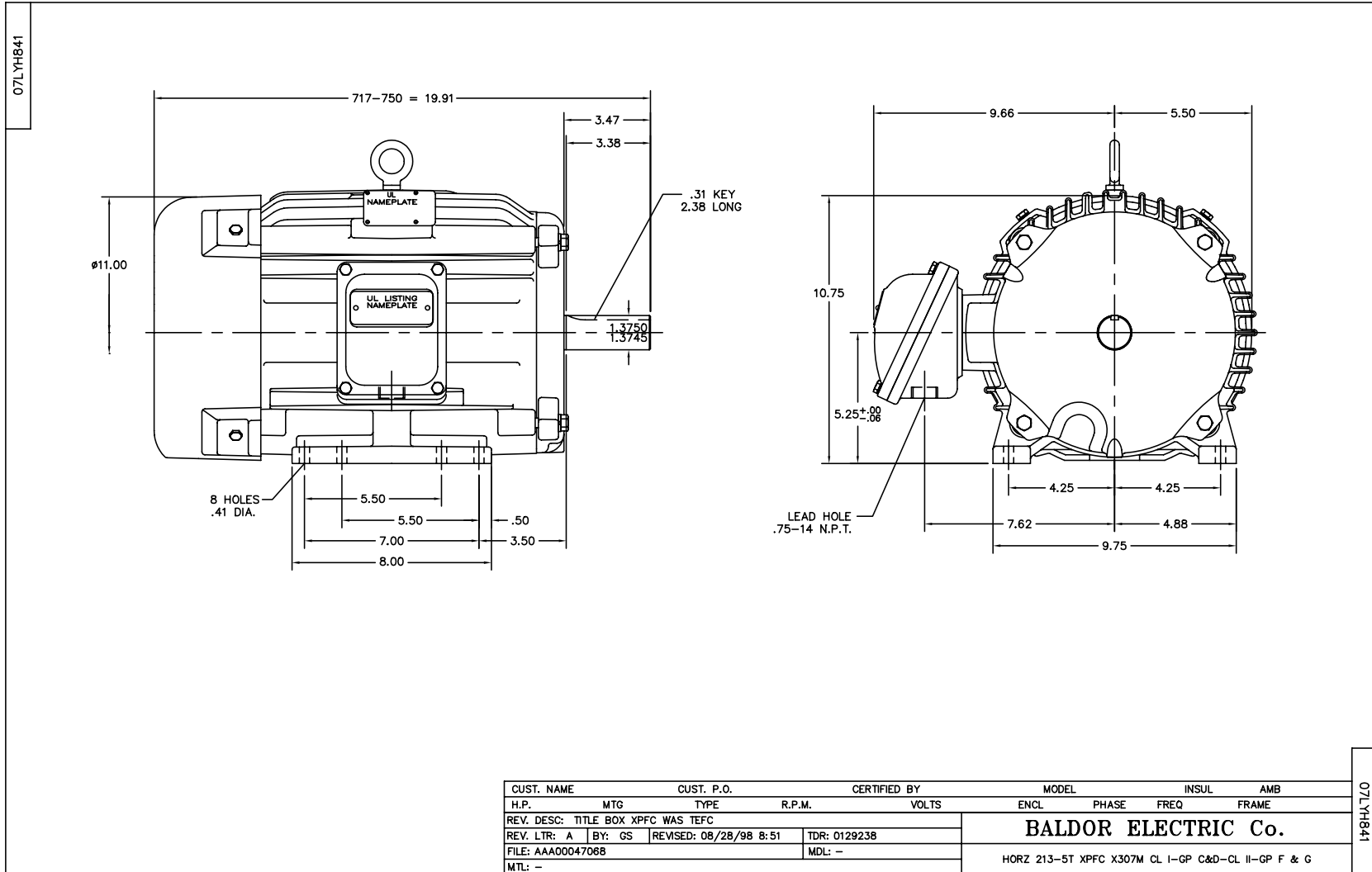
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10//7.5			Full Load Torque	29.8 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	24.4/12.2//22.6/11.3			Breakdown Torque	80.9 LB-FT
R.P.M.	1760//1465			Pull-up Torque	40.2 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	52.6 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	81 A
Service Factor (S.F.)	1			No-load Current	4.44 A
NEMA Nom. Eff.	91.7	Power Factor	83	Line-line Res. @ 25°C	1.08 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C
S.F. Amps				Temp. Rise @ S.F. Load	80°C
				Locked-rotor Power Factor	35
				Rotor inertia	1.18 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	50	71	80	83	85	85
Efficiency	90.4	92.5	92.9	92.4	91	89.1
Speed	1791	1782	1774	1763	1751	1737
Line amperes	5.24	7.1	9.42	12.2	15.2	18.7

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

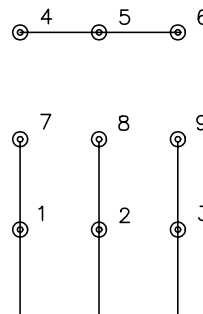




CD0005

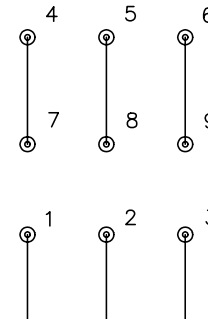


LOW VOLTAGE  
(2Y)



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
900003		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005