

BALDOR® • *RELIANCE*

Product Information Packet

EM7083T-I-5

30HP,3520RPM,3PH,60HZ,286TS,1046M,XPFC,F

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1046M	Elec. Spec:	10WGZ218	CD Diagram:	CD0006
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	10F284	Layout:	10LYF284
Frame:	286TS	Mounting:	F1	Poles:	02	Created Date:	11-20-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-04-2017
Leads:	3#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0977XPSLEV										
NO.							CC	010A		
SER.								TEMP CODE	T3C	
SPEC.	10F284Z218G1									
CAT.NO.	EM7083T-I-5									
HP	30 NEMA MG-1 PT.5,IP55									
VOLTS	575									
AMPS	26									
RPM	3520						MOTOR WEIGHT	604		
HERTZ	60		PH	3	CL	F	DE BRG	6311		
SER.F.	1.15		DES	B	CODE	G	ODE BRG	6309		
FRAME	286TS		GREASE		POLYREX EM					
RATING	40C AMB-CONT									
USABLE AT 208V					NEMA-NOM-EFF	91.7		PF	90	
	55C AMB @ 1.0 SF,60C RISE									

Parts List		
Part Number	Description	Quantity
SA272636	SA 10F284Z218G1	1.000 EA
RA259242	RA 10F284Z218G1	1.000 EA
37FN3002C03	EXFN, PLASTIC, 6.00 OD, 1.690 ID	1.000 EA
12CB1003A02	CONDUIT BOX MACH. GROUP C MTRS	1.000 EA
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B19	TERMINAL BURNDY L250HP	1.000 EA
10XN3816K12	3/8-16 X 3/4 HEX HD CAP GRADE 5	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	1.000 EA
10EP1701A25P	FR ENDPLATE, MACH W/PRIMER	1.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K40	1/4-20 X 2-1/2 HEX HD CAPSCREW, GRADE 5,Z	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10EP1709A12P	PUEP, XP (CL.I,GP.D ONLY) AL SLNGR, HW45	1.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA2067A01	ALUM SLINGER (AUTO)	1.000 EA
80XN1032A06	10-32 X 3/8 SET SC HEX SOCK	2.000 EA
10FH1008A01	310 FAN HOUSING X-PROOF MACH.	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
12CB1502A01	CONDUIT BOX LID MACH. GROUP C MTRS	1.000 EA
84XN5013J32	SOCKET HD.CAP SCR,1/2-13 X 2"LG,ALLOY ST	10.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	10.000 EA
HW2501G17	KEY, 3/8 SQ X 1.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G05	WILKOFASST, 789.227, MED. GRAY CHAR. MET.	0.125 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP0977XPSLEV	SS XP UL CSA-EEV CC CL-I GP-C&D	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA

AC Induction Motor Performance Data

Record # 44037 - Typical performance - not guaranteed values

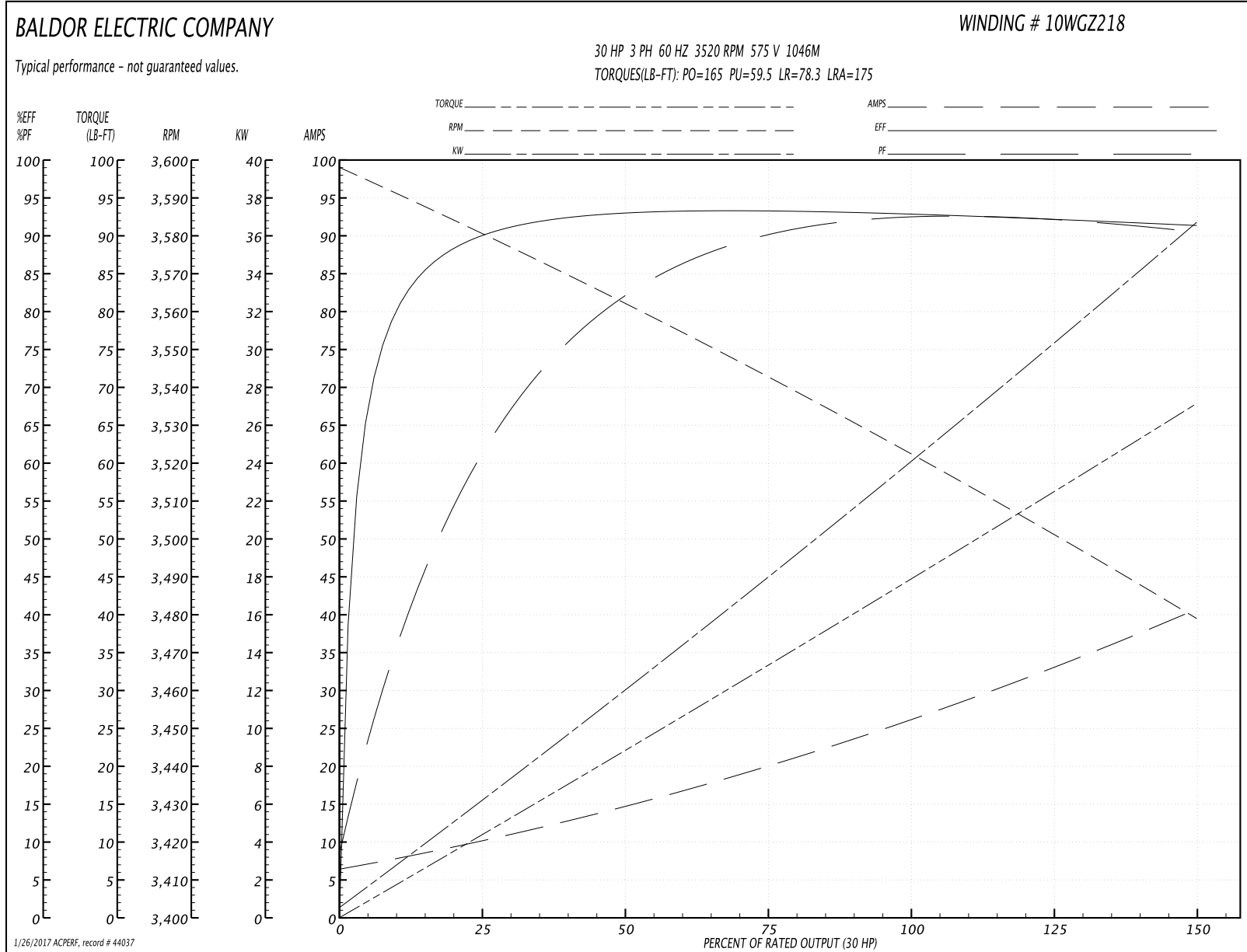
Winding: 10WGZ218-R001	Type: 1046M	Enclosure: XPFC
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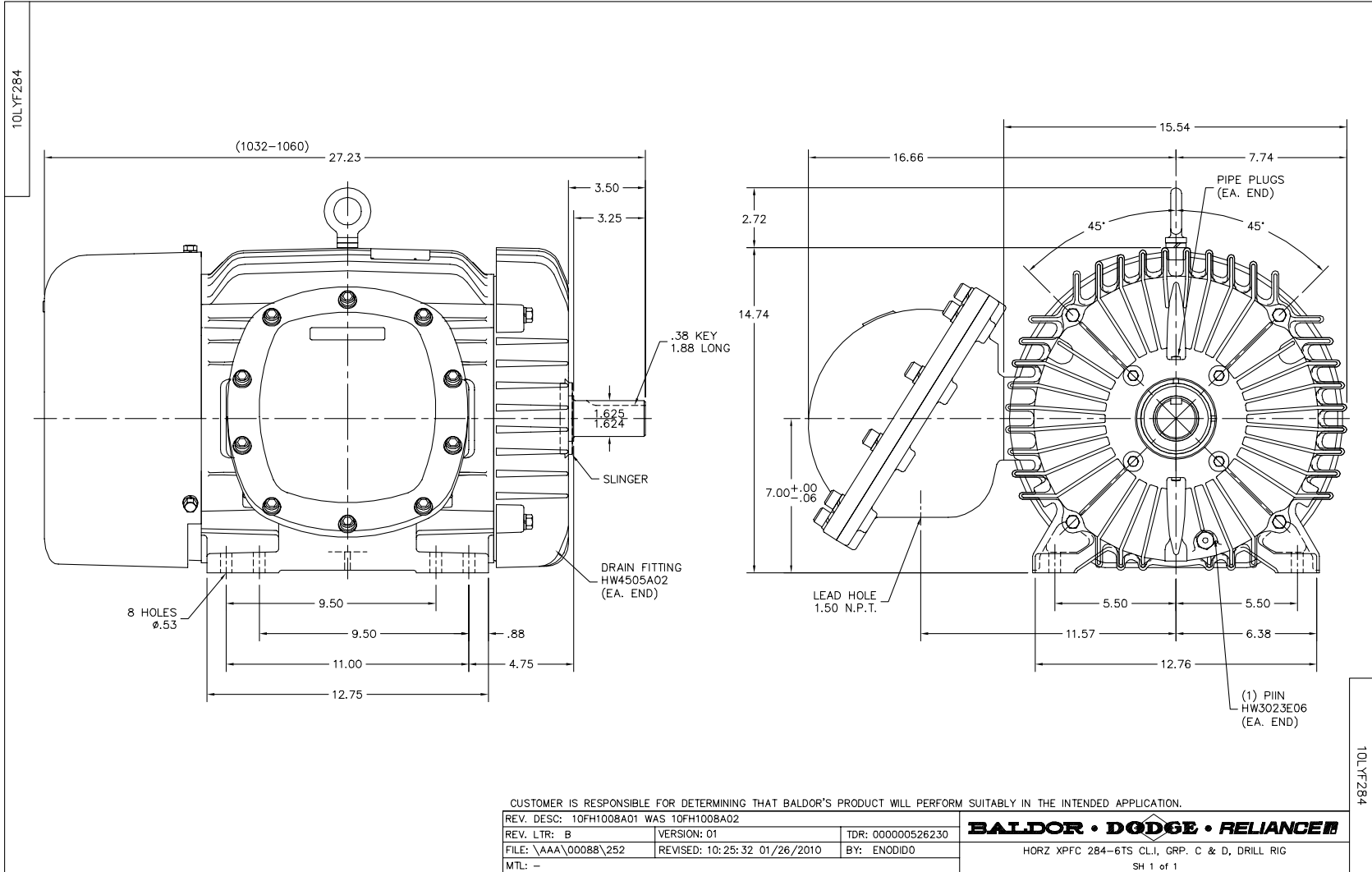
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	30			Full Load Torque	44.4 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	26			Breakdown Torque	165 LB-FT
R.P.M.	3520			Pull-up Torque	59.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	78.3 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	175 A
Service Factor (S.F.)	1.15			No-load Current	6.89 A
NEMA Nom. Eff.	91.7	Power Factor	90	Line-line Res. @ 25°C	0.38 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C
				Locked-rotor Power Factor	24
				Rotor inertia	1.97 LB-FT ²

Load Characteristics 575 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	84	89	91	92	91	92
Efficiency	89.7	92.9	93.5	92.8	92.4	91.3	92.6
Speed	3580	3561	3543	3524	3502	3478	3511
Line amperes	9.46	14.5	20.1	26.4	33.2	40.5	30.5

Performance Graph at 575V, 60Hz, 30.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000D		FILE: AAA00005141	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006