

BALDOR® • RELIANCE

Product Information Packet

EM2536T-G

30HP,1180RPM,3PH,60HZ,326T,4084M,OPSB,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4084M	Elec. Spec:	40WGX122	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40E245	Layout:	40LYE245
Frame:	326T	Mounting:	F1	Poles:	06	Created Date:	12-01-2011
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	01-03-2017
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2138L

CAT.NO.	EM2536T-G		P/N			ENCLOSURE	OPSB	
SPEC.	40E245X122G1	CC	010A	FRAME	326T	S/N		
HP	30		CLASS	H	HZ	60		
RPM	1180		PH	3	DES	A		
VOLT	230/460				KVA-CODE	H	ODE BRG	6309
AMP	76/38		USABLE AT 208V		80	DE BRG		
RATING	40C AMB-CONT		GREASE		POLYREX EM			
NEMA-NOM-EFF	93.6	PF	79	SER.F.	1.15			
HTR-VOLTS			HTR-AMPS			MAX. SPACE HEATER TEMP.		

Parts List		
Part Number	Description	Quantity
SA235126	SA 40E245X122G1	1.000 EA
RA222089	RA 40E245X122G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3201A04	PUEP, MACH - OPEN - FOR 312 BRG W/RET. R	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1350	BAR CODE LABEL FOR YORK	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA3159A12	THRUBOLT .38-16 X 21.50 LG, SEE ADD. DATA	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.030 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

AC Induction Motor Performance Data

Record # 36098 - Typical performance - not guaranteed values

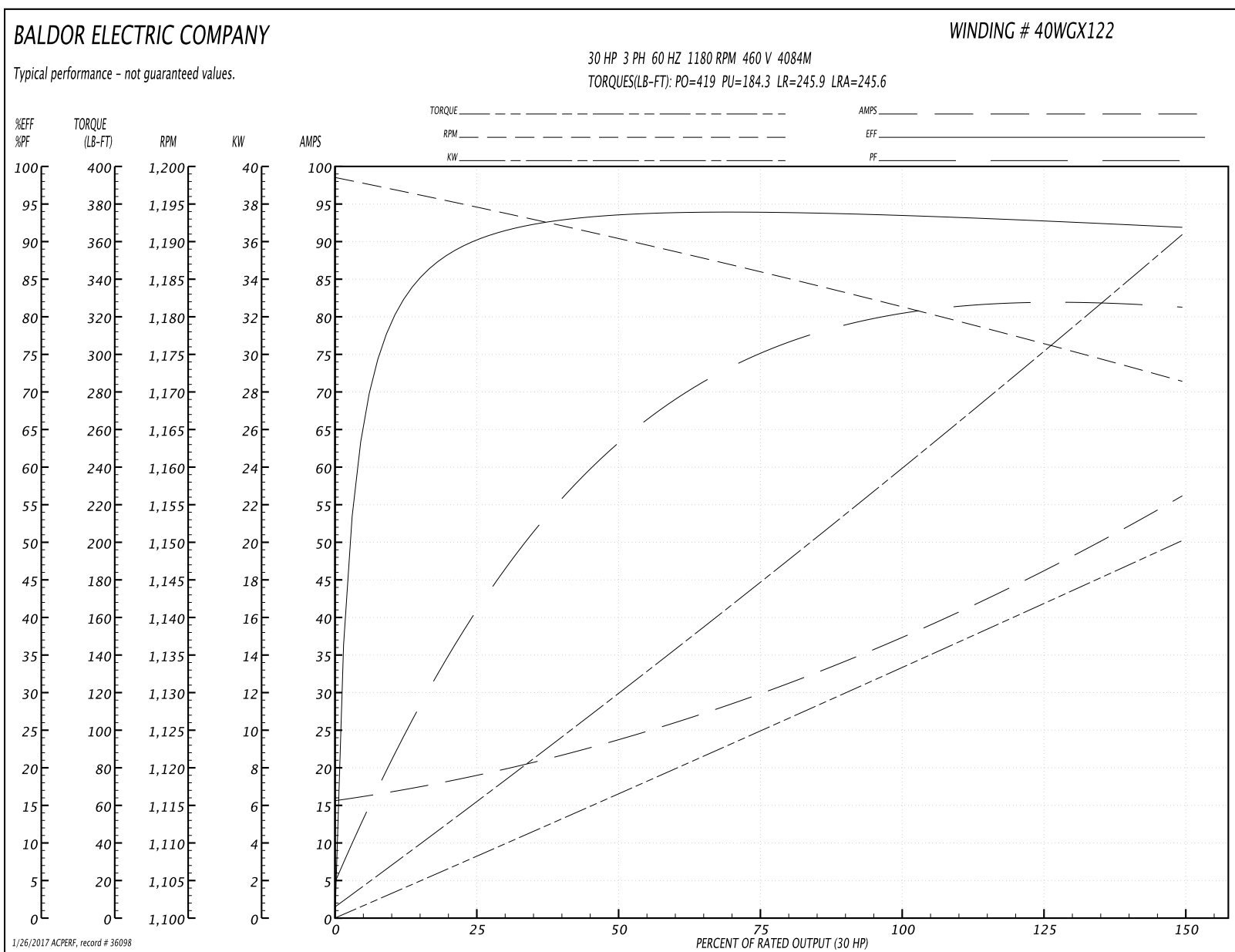
Winding: 40WGX122-R002	Type: 4084M	Enclosure: OPSB
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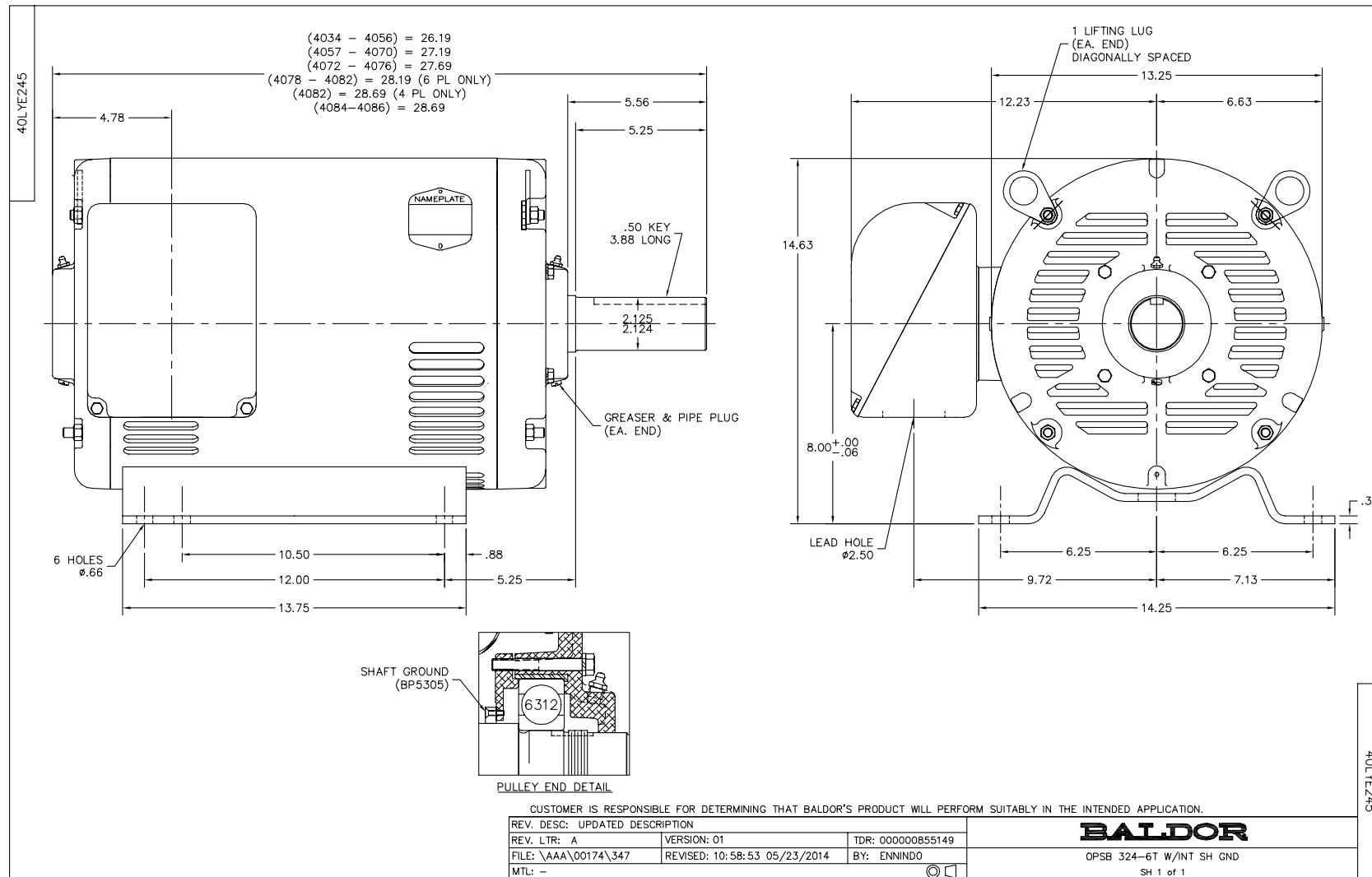
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	132 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	76/38			Breakdown Torque	419 LB-FT
R.P.M.	1180			Pull-up Torque	184.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	245.9 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	245.6 A
Service Factor (S.F.)	1.15			No-load Current	16.2 A
NEMA Nom. Eff.	93.6	Power Factor	79	Line-line Res. @ 25°C	0.22 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	38°C
S.F. Amps				Temp. Rise @ S.F. Load	48°C
				Locked-rotor Power Factor	29
				Rotor inertia	10.3 LB-FT ²

Load Characteristics 460 V, 60 Hz, 30 HP

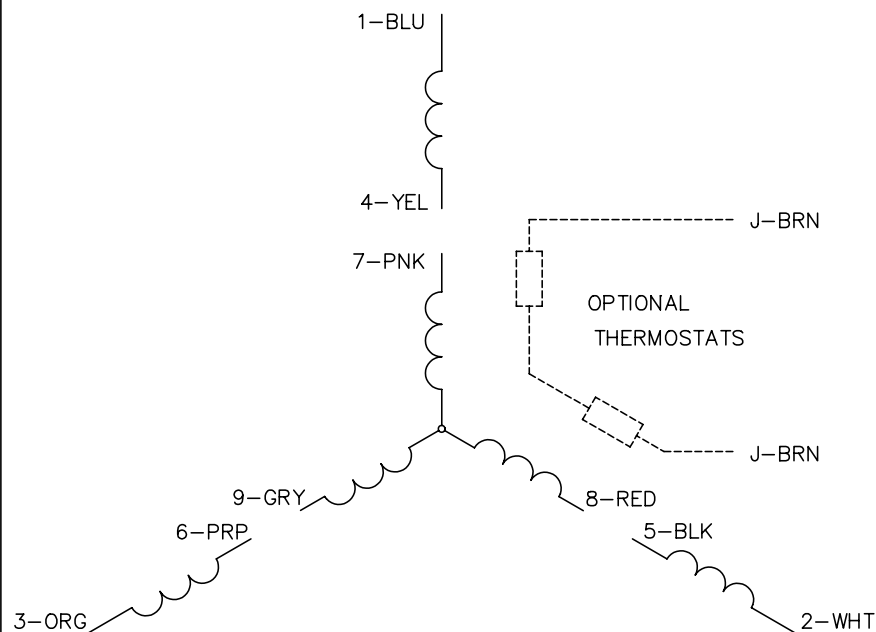
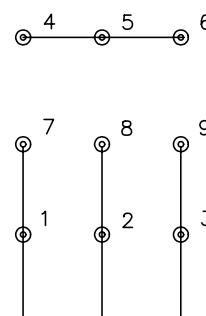
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	65	75	80	82	82	81
Efficiency	90.3	93.4	93.8	93.6	92.9	92	93.2
Speed	1194	1190	1186	1182	1177	1171	1179
Line amperes	18.3	23.4	30	37.5	46.1	55.8	42.7

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values

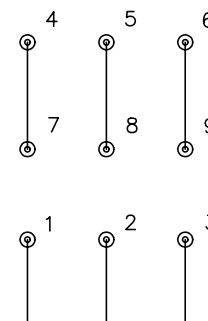




CD0005

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