

BALDOR® • RELIANCE

Product Information Packet

EM2538T-G

40HP,3530RPM,3PH,60HZ,286TS,4046M,OPSB,F

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Part Detail									
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4046M	Elec. Spec:	40WGX194	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40E275	Layout:			
Frame:	286TS	Mounting:	F1	Poles:	02	Created Date:	11-29-2011		
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	09-14-2012		
Leads:	9#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2138L									
CAT.NO.	EM2538T-G	P/N		ENCLOSURE			OPSB		
SPEC.	40E275X194G1	CC	010A	FRAME			286TS	S/N	
HP	40	CLASS	H	HZ			60		
RPM	3530	PH	3	DES			B		
VOLT	208-230/460	KVA-CODE	G	ODE BRG			6309	DE BRG	6311
AMP	98-92/46	USABLE AT 208V							
RATING	40C AMB-CONT	GREASE	POLYREX EM						
NEMA-NOM-EFF	92.4	PF	89	SER.F.			1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.					

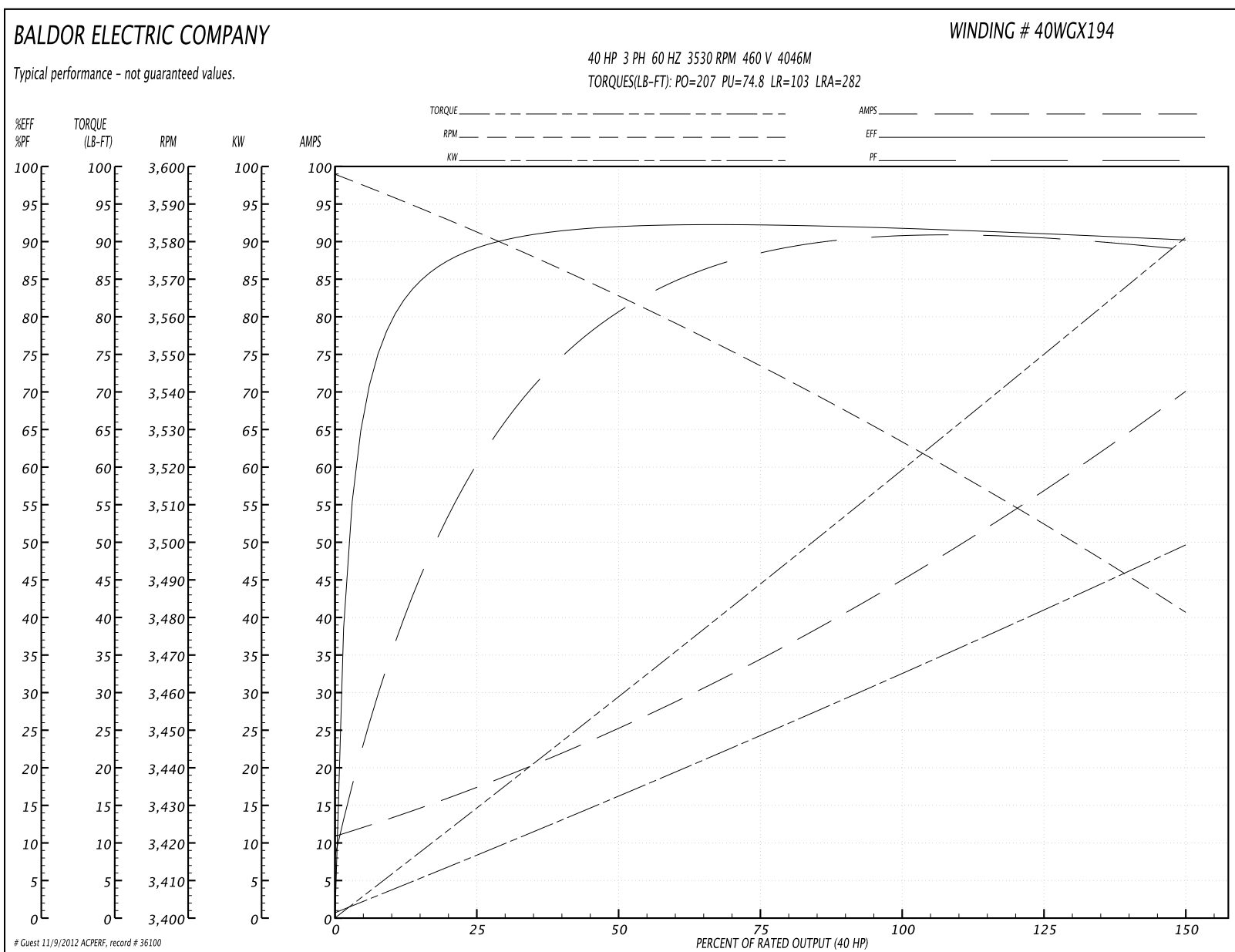
Parts List		
Part Number	Description	Quantity
SA235120	SA 40E275X194G1	1.000 EA
RA222083	RA 40E275X194G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6017A01	CAST ADAPTOR	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
WD1000B16	KPA-4C BURNDY 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
BP5304	SHAFT GRD BOLT THROUGH (SGR-65.2-3FH)	1.000 EA
40EP3200B01	STD PUEP OPEN 311 LOCKED BRG W/AIR DEFLE	1.000 EA
10XN3118K36	5/16-18 X 2.25" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501G17	KEY, 3/8 SQ X 1.875	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA

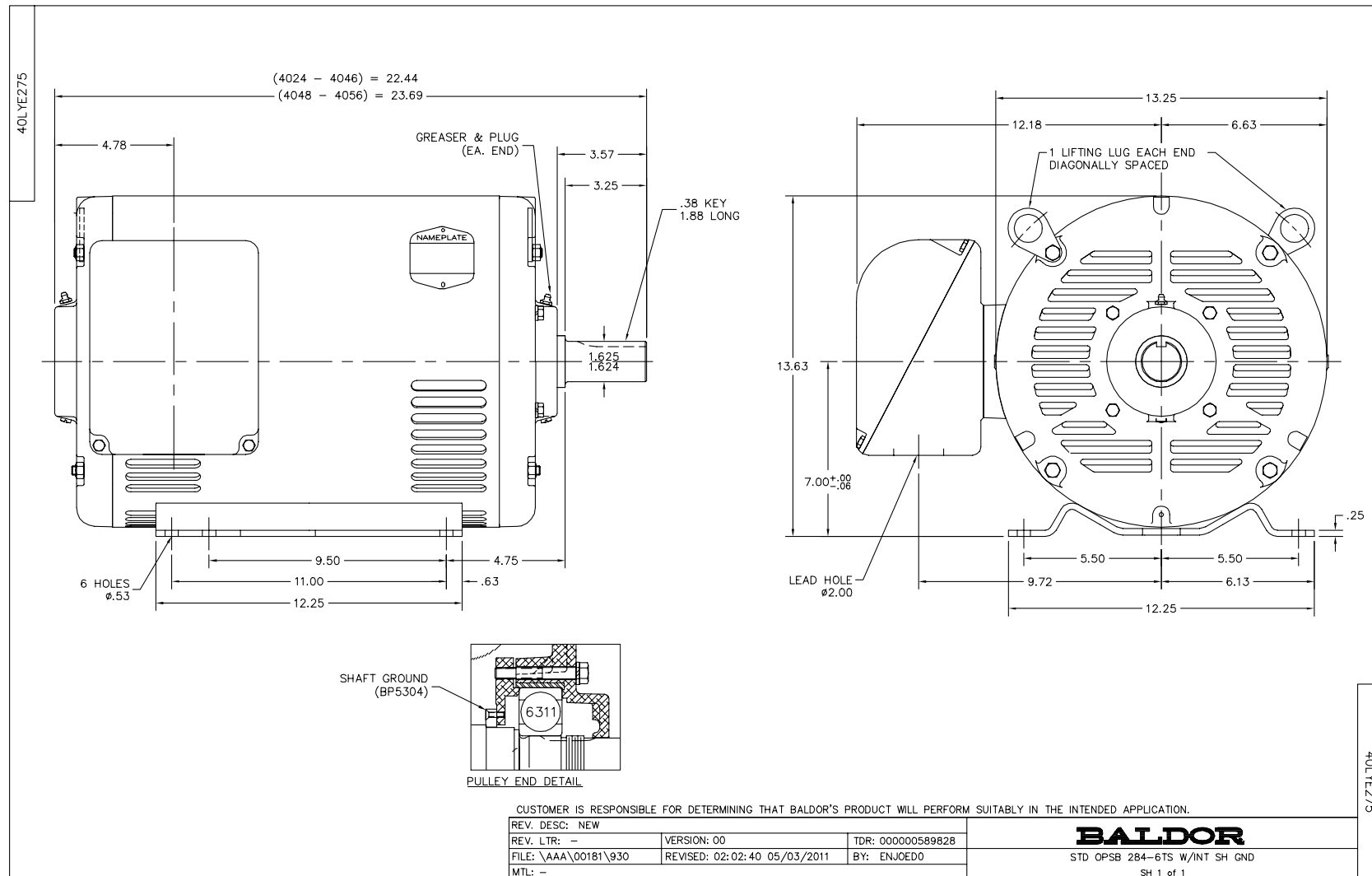
Parts List (continued)		
Part Number	Description	Quantity
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
40AD2002B01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002B01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0181	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 40.0HP (Typical performance - Not guaranteed values)

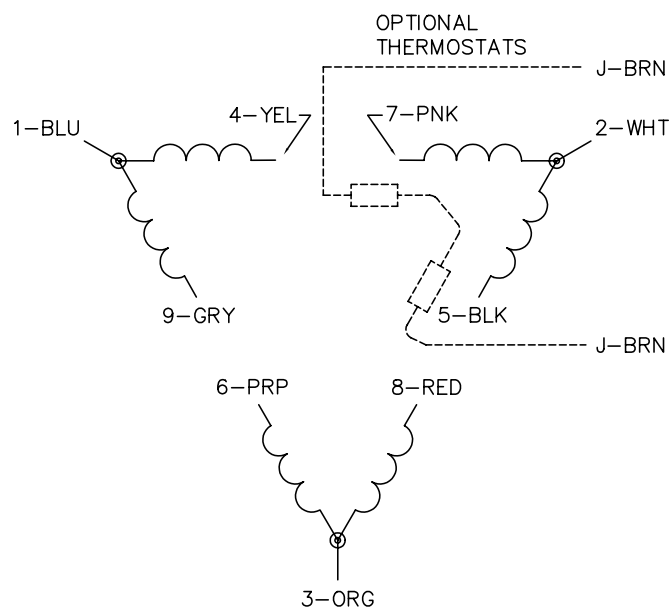
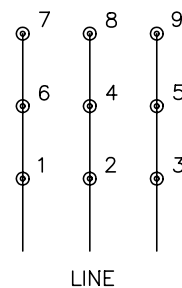
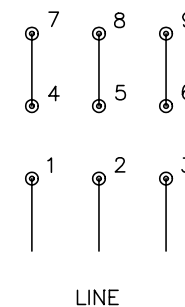
General Characteristics							
Full Load Torque:		59.6 LB-FT		Start Configuration:		DOL	
No-Load Current:		11.7 Amps		Break-Down Torque:		207.0 LB-FT	
Line-line Res. @ 25°C.:		0.1848 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		74.8 LB-FT	
Temp. Rise @ Rated Load:		35 C		Locked-Rotor Torque:		103.0 LB-FT	
Temp. Rise @ S.F. Load:		44 C		Starting Current:		282.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	66.0	82.0	88.0	89.0	90.0	90.0	90.0
Efficiency:	91.4	93.7	93.7	93.0	92.0	90.7	92.4
Speed:	3580.7	3565.4	3547.1	3527.4	3504.7	3481.0	3514.0
Line Amperes:	16.4	24.9	34.7	45.9	57.0	69.7	52.6

Performance Graph at 460V, 60Hz, 40.0HP Typical performance - Not guaranteed values





CD0180


 LOW VOLTAGE
(2D)

 HIGH VOLTAGE
(1D)


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: C

BY: JLP

REVISED: 01/21/99 2:28

TDR: 0171435

0810D0

FILE: AAA00005148

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180