

BALDOR® • RELIANCE

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

JMM2542T

50HP,3520RPM,3PH,60HZ,324JM,4044M,OPSB,F

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4044M	Elec. Spec:	40WG937	CD Diagram:	
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40H25	Layout:	
Frame:	324JM	Mounting:	F1	Poles:	02	Created Date:	06-29-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-12-2010
Leads:	9#8	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L

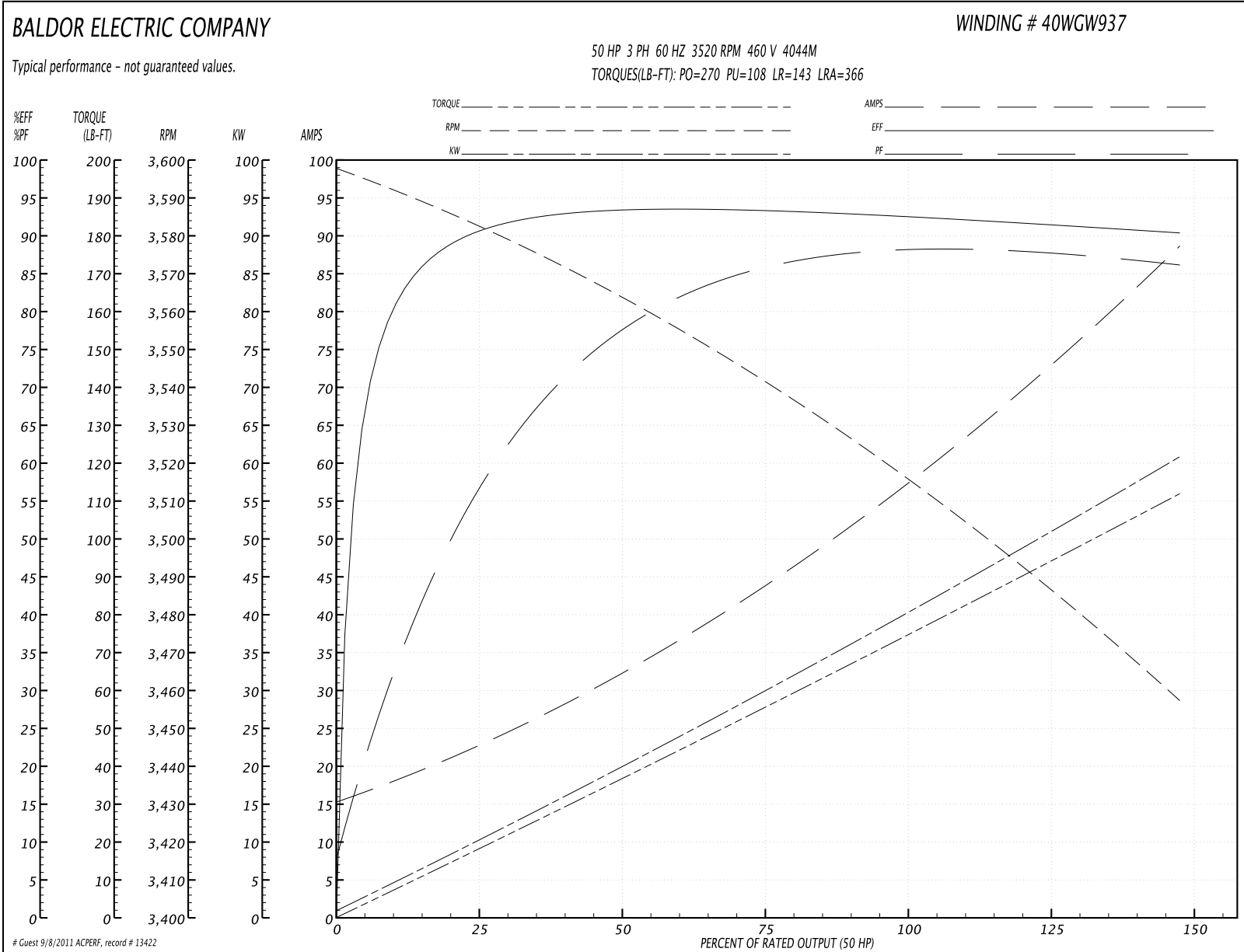
CAT.NO.	JMM2542T						
SPEC.	40H025W937H1						
HP	50						
VOLTS	230/460						
AMP	116/58						
RPM	3520						
FRAME	324JM	HZ	60	PH	3		
SER.F.	1.15	CODE	G	DES	B	CLASS	B
NEMA-NOM-EFF	92.4	PF	87				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V	148				
DE	6312	ODE	6309				
ENCL	OPSB	SN					

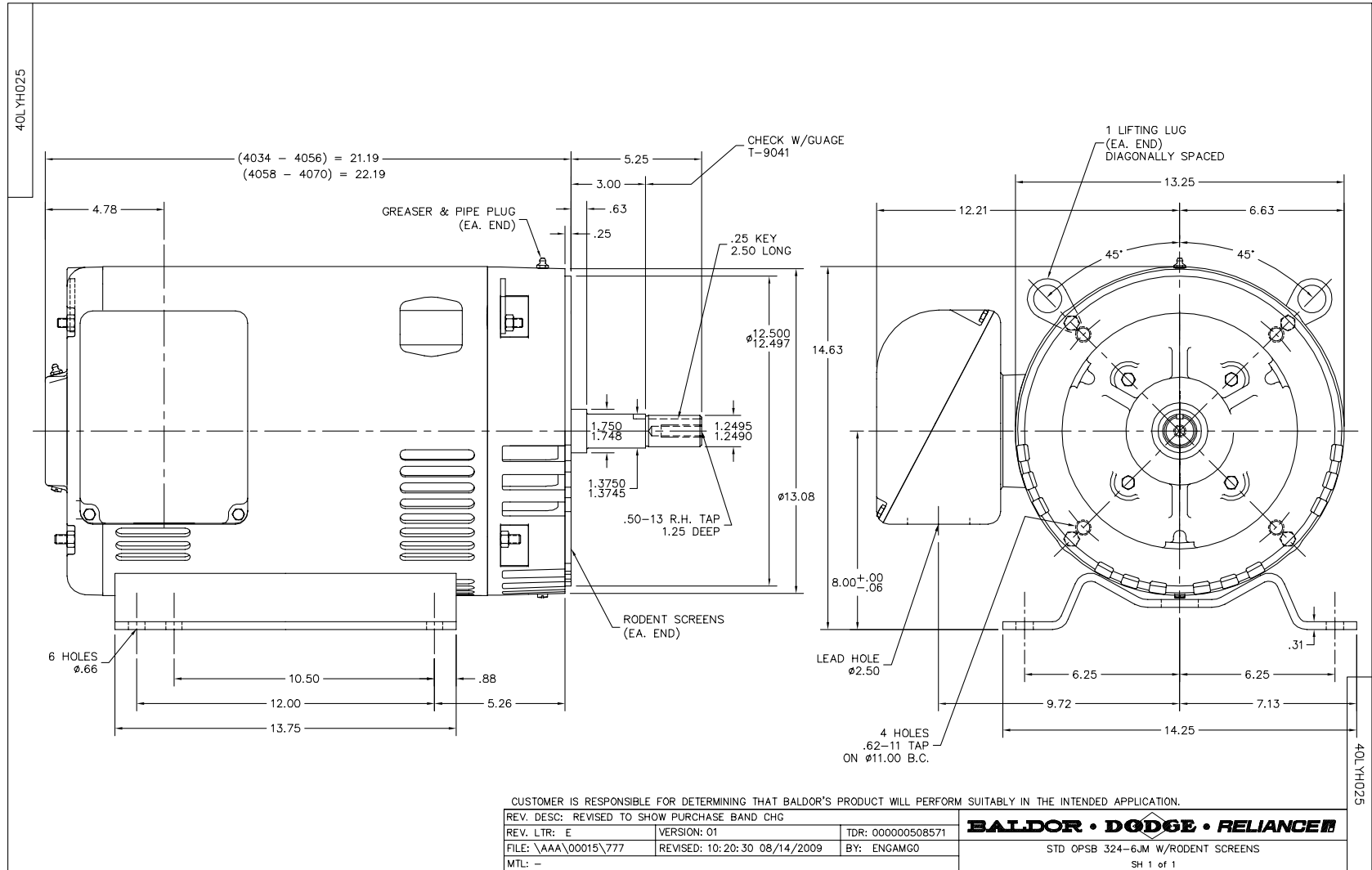
Parts List		
Part Number	Description	Quantity
SA199499	SA 40H025W937H1	1.000 EA
RA186831	RA 40H025W937H1	1.000 EA
S/P101-000-004	EPACT PROC-CL, 280FR & UP,LARGE BOX,POLY	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6017A01	CAST ADAPTOR	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
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	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
HA1166A02	RODENT SCREEN FOR 40 ENDPLATE 40EP1300A.	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP1401A02	FR ENDPLATE, MACH OPEN NEMA 324-6T W/SCR	1.000 EA
HA1166A02	RODENT SCREEN FOR 40 ENDPLATE 40EP1300A.	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 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
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

Parts List (continued)		
Part Number	Description	Quantity
HW2501E22	KEY, 1/4 SQ X 2.500	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
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
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
HA3154A04	THRUBOLT STUD 3/8-16 X 18.750	4.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY 55 GALLONS	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
40AD2002C01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002C01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1256L	ALUM, UL CSA CC, W/O THERMAL, LASER	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

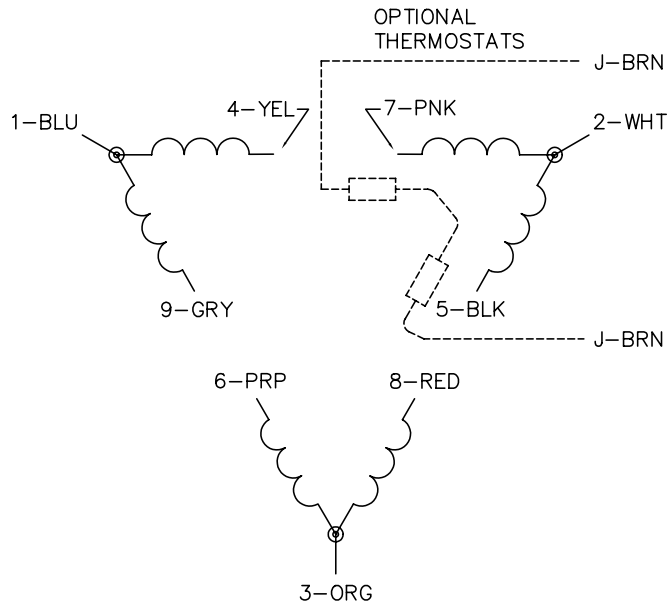
Performance Data at 460V, 60Hz, 50.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	74.7 LB-FT			Start Configuration:	DOL		
No-Load Current:	16.24 Amps			Break-Down Torque:	270.0 LB-FT		
Line-line Res. @ 25°C.:	0.149 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	108.0 LB-FT		
Temp. Rise @ Rated Load:	53 C			Locked-Rotor Torque:	143.0 LB-FT		
Temp. Rise @ S.F. Load:	71 C			Starting Current:	366.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	60.0	78.0	85.0	87.0	88.0	88.0	88.0
Efficiency:	90.5	93.2	93.3	92.6	91.6	90.3	92.0
Speed:	3581.0	3562.0	3541.0	3517.0	3489.0	3456.0	3500.0
Line Amperes:	21.54	32.1	44.5	58.3	72.4	88.2	66.8

Performance Graph at 460V, 60Hz, 50.0HP Typical performance - Not guaranteed values

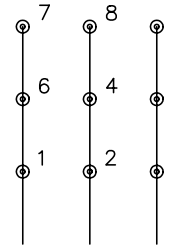




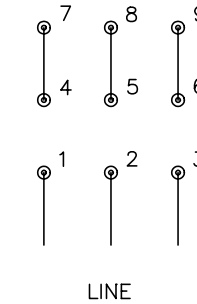
CD0180



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