

BALDOR® • RELIANCE

Product Information Packet

JMM2539T

40HP,1770RPM,3PH,60HZ,324JM,4052M,OPSB,F

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4052M	Elec. Spec:	40WGW952	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40H25	Layout:	40LYH025
Frame:	324JM	Mounting:	F1	Poles:	04	Created Date:	12-09-2009
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-25-2014
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	JMM2539T								
SPEC.	40H025W952H1								
HP	40								
VOLTS	230/460								
AMP	98/49								
RPM	1770								
FRAME	324JM	HZ			60	PH		3	
SER.F.	1.15	CODE			G	DES		B	CLASS
NEMA-NOM-EFF	93	PF			83				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			106				
DE	6312	ODE			6309				
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA188554	SA 40H025W952H1	1.000 EA
RA176286	RA 40H025W952H1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	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
HA1166A06	RODENT SCREEN FOR 40 ENDPLATE 40EP3200.	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
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501E22	KEY, 1/4 SQ X 2.500	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	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 (USe 4824-15A)	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	MED CHARCOAL METALLIC GREY	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 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
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 36406 - Typical performance - not guaranteed values

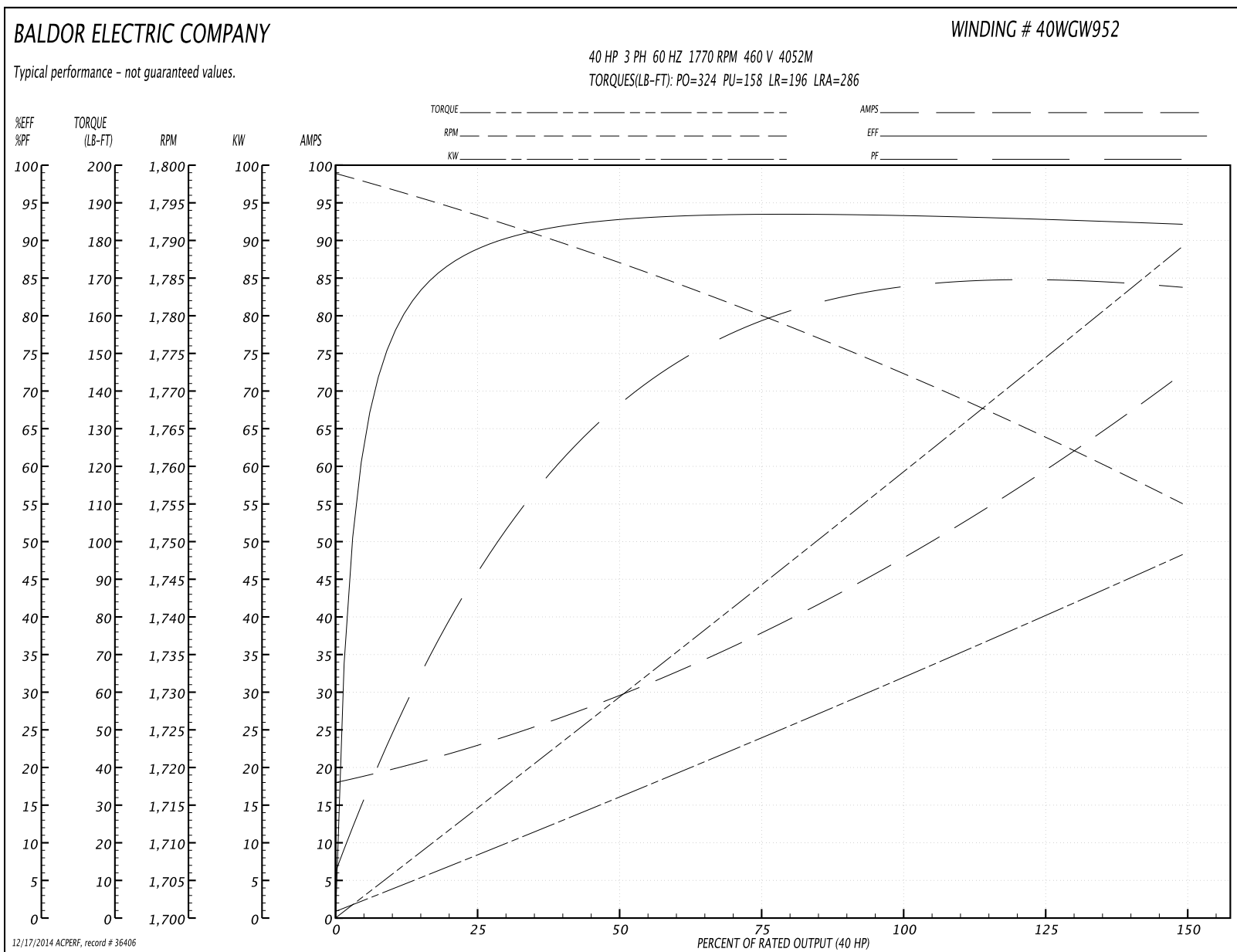
Winding: 40WGW952-R003	Type: 4052M	Enclosure: OPSB
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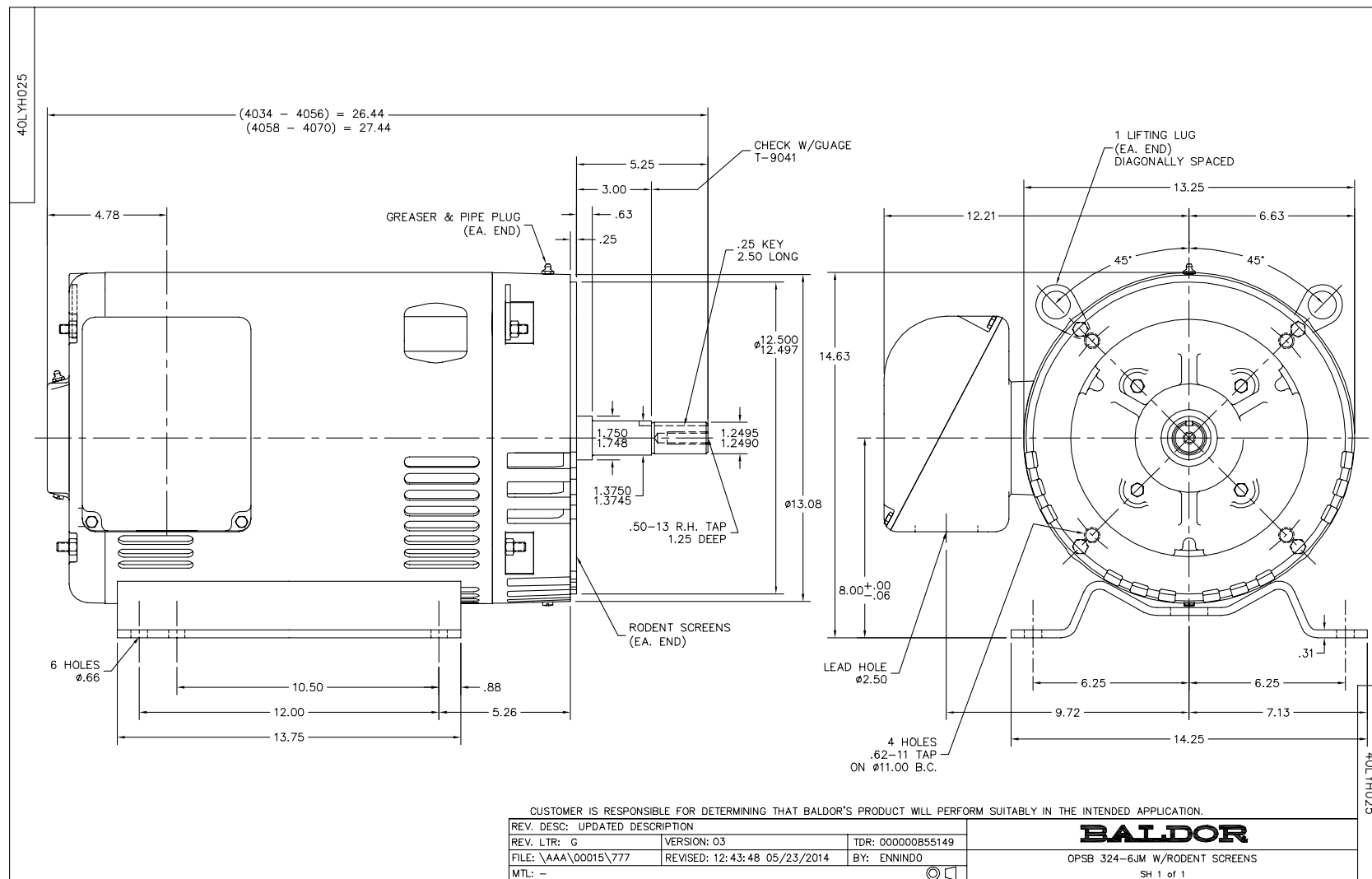
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	40			Full Load Torque	119 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	98/49			Breakdown Torque	324 LB-FT
R.P.M.	1770			Pull-up Torque	158 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	196 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	286 A
Service Factor (S.F.)	1.15			No-load Current	18.41 A
NEMA Nom. Eff.	93	Power Factor	83	Line-line Res. @ 25°C	0.1901 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	41°C
S.F. Amps				Temp. Rise @ S.F. Load	54°C
				Rotor inertia	4.13 LF ²

Load Characteristics 460 V, 60 Hz, 40 HP

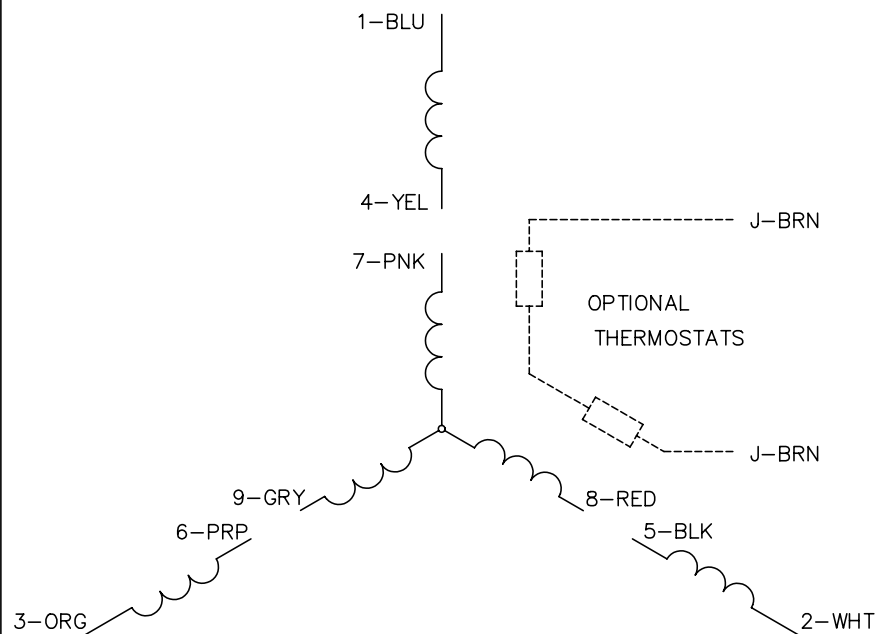
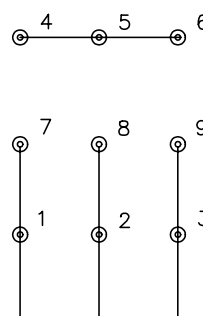
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	69	79	83	84	85	84
Efficiency	89	92.8	93.4	93.3	92.9	92.1	93.1
Speed	1793	1787	1780	1772	1764	1755	1767
Line amperes	22.6	29.3	38.2	48.5	59.7	72	55.2

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

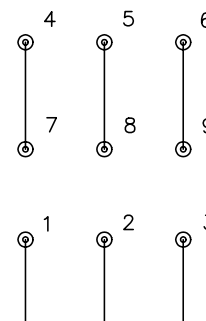




CD0005

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