

BALDOR® • RELIANCE

Product Information Packet

EHFM2539T

40HP,1770RPM,3PH,60HZ,324T,4064M,OPSB,F2

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Part Detail									
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4064M	Elec. Spec:	40WGX166	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40E141	Layout:			
Frame:	324T	Mounting:	F2	Poles:	04	Created Date:	10-22-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-19-2012		
Leads:	9#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2094E06B03									
CAT.NO.	EHFM2539T								
SPEC.	40E141X166G1								
HP	40								
VOLTS	230/460								
AMPS	98/49								
RPM	1770								
FRAME	324T	HZ			60	PH	3		
SER.F.	1.15	CODE			H	DES	A	CL	F
NEMA-NOM-EFF	94.1	PF			82				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			99				
DE	6312	ODE			6309				
AUTO		MANUAL				NONE			
ENCL	OPSB	SN							
BLANK									

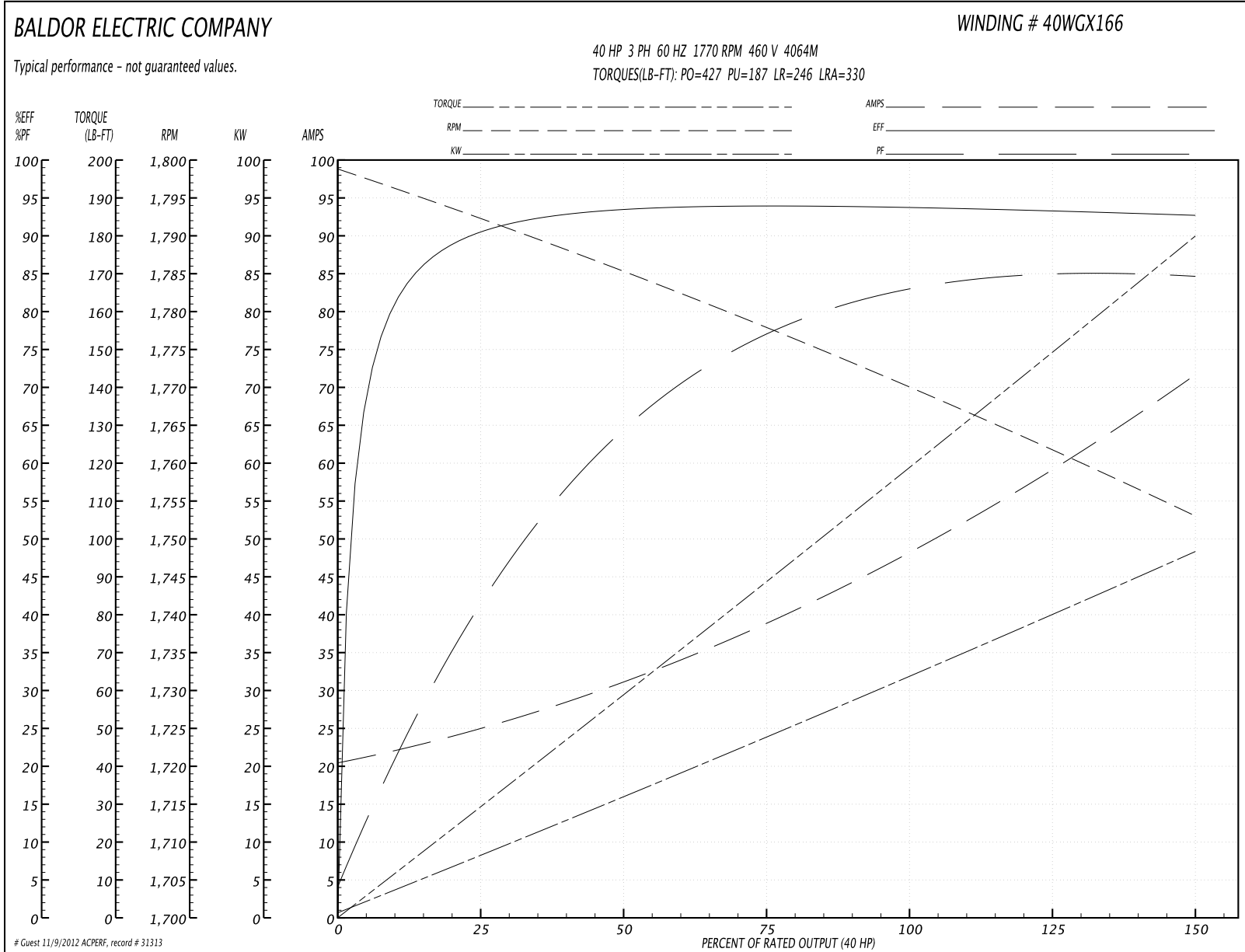
Parts List		
Part Number	Description	Quantity
SA205152	SA 40E141X166G1	1.000 EA
RA192396	RA 40E141X166G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
40CB4000A01	CONDUIT BOX 40, STAMPED	1.000 EA
19XW2520A08	SCREW,1/4-20X1/2 TAPTITE-II OR ROLOC 91	2.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3201A09	PU ENDPLATE, MACH - OPEN - FOR 312 BRG	1.000 EA
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
39CB4500A01	CONDUIT BOX LID 39, STAMPED, AUTOPHORETI	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HA3154A06	THRUBOLT STUD 3/8-16 X 19.500	4.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.030 GA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA

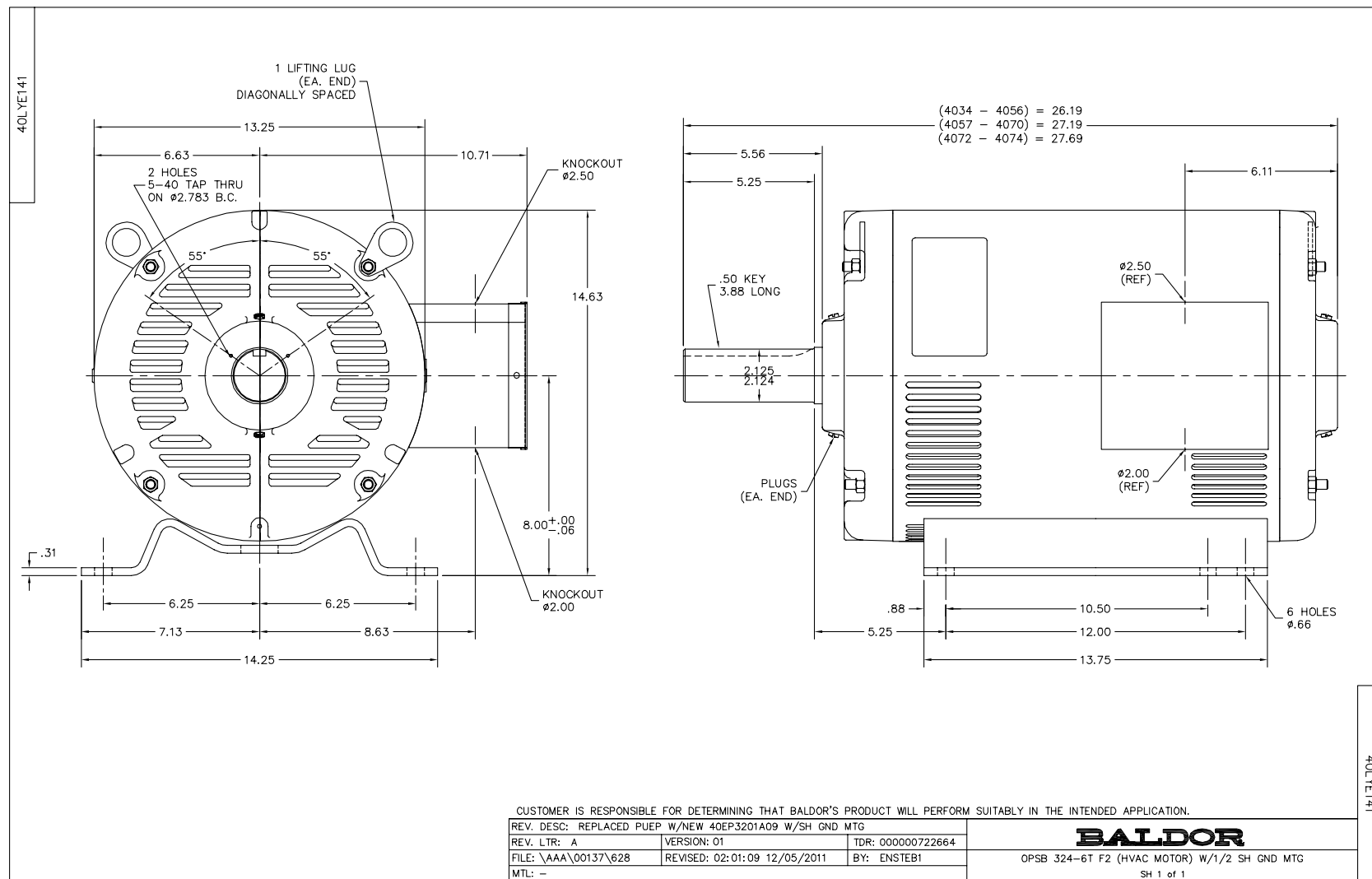
Parts List (continued)		
Part Number	Description	Quantity
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

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

General Characteristics							
Full Load Torque:		119.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		21.1 Amps		Break-Down Torque:		427.0 LB-FT	
Line-line Res. @ 25°C.:		0.16236 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		187.0 LB-FT	
Temp. Rise @ Rated Load:		41 C		Locked-Rotor Torque:		246.0 LB-FT	
Temp. Rise @ S.F. Load:		51 C		Starting Current:		330.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	43.0	65.0	76.0	82.0	85.0	85.0	84.0
Efficiency:	91.1	94.0	94.5	94.2	93.6	92.8	93.8
Speed:	1792.4	1785.0	1777.8	1770.2	1762.1	1752.8	1765.0
Line Amperes:	24.1	30.7	39.2	48.7	59.3	71.3	55.1

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

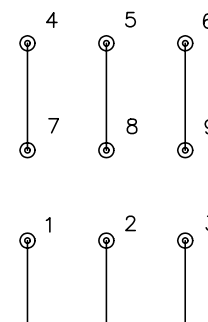




CD0005

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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005