

BALDOR® • **RELIANCE**

Product Information Packet

EHF2535T

30HP, 1770RPM, 3PH, 60HZ, 286T, 4052M, OPSB, F2

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Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4052M	Elec. Spec:	40WGW942	CD Diagram:	
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40J100	Layout:	
Frame:	286T	Mounting:	F2	Poles:	04	Created Date:	06-16-2006
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-19-2012
Leads:	9#10	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP2094E06B03									
CAT.NO.	EHFM2535T								
SPEC.	40J100W942G1								
HP	30								
VOLTS	230/460								
AMPS	70/35								
RPM	1770								
FRAME	286T	HZ			60	PH	3		
SER.F.	1.15	CODE			G	DES	B	CL	F
NEMA-NOM-EFF	94.1	PF			85				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			74.1				
DE	6311	ODE			6309				
AUTO		MANUAL				NONE			
ENCL	OPSB	SN							
BLANK									

Parts List		
Part Number	Description	Quantity
SA144459	SA 40J100W942G1	1.000 EA
RA133650	RA 40J100W942G1	1.000 EA
S/P107-000-006	SUPER-E(284 FR. & UP)-ZK 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
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
40EP3200B31	PUEP OPEN 311 BRG W/SH GND MTG	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
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HA3154A04	THRUBOLT STUD 3/8-16 X 18.750	4.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.070 GA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH

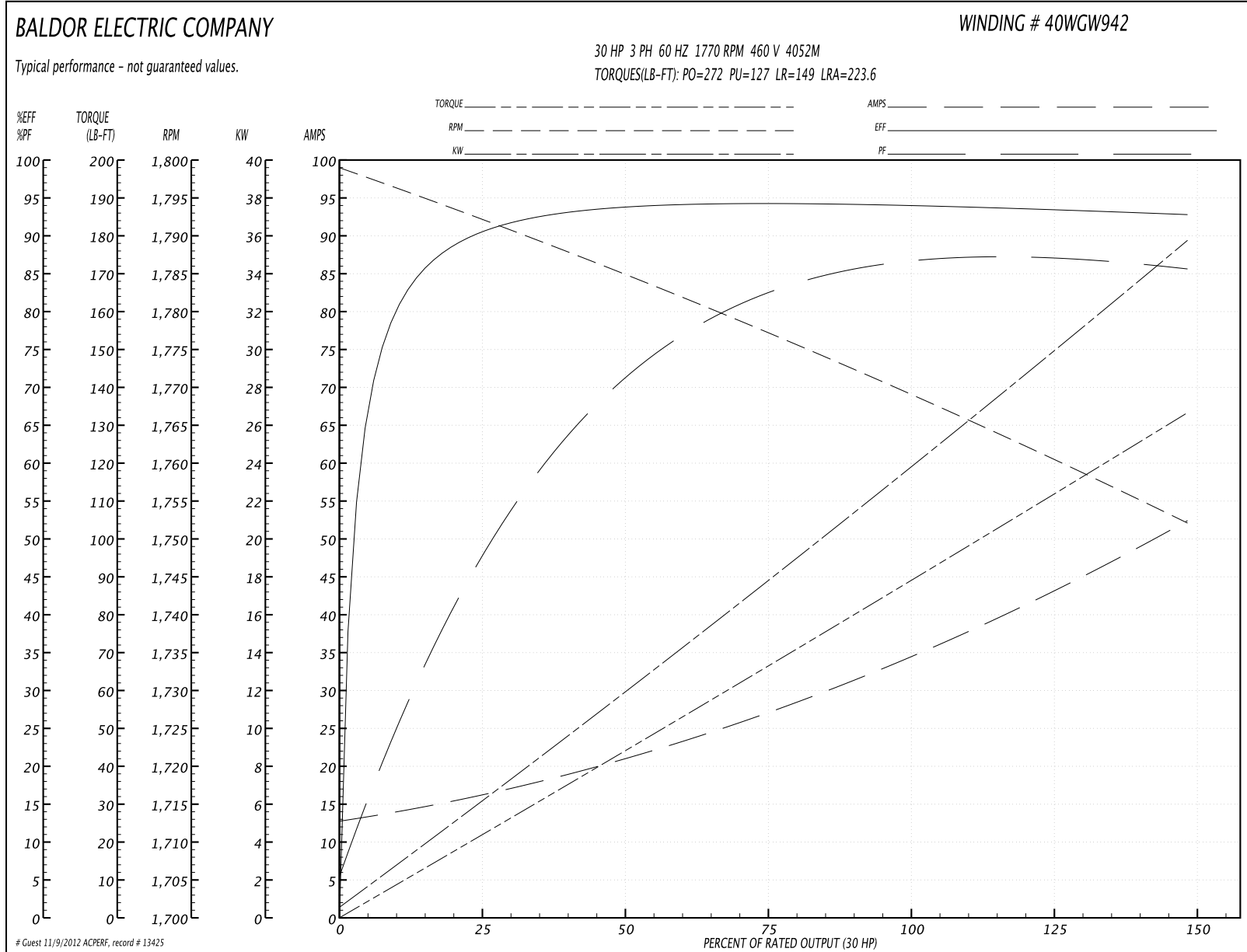
Parts List (continued)		
Part Number	Description	Quantity
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA

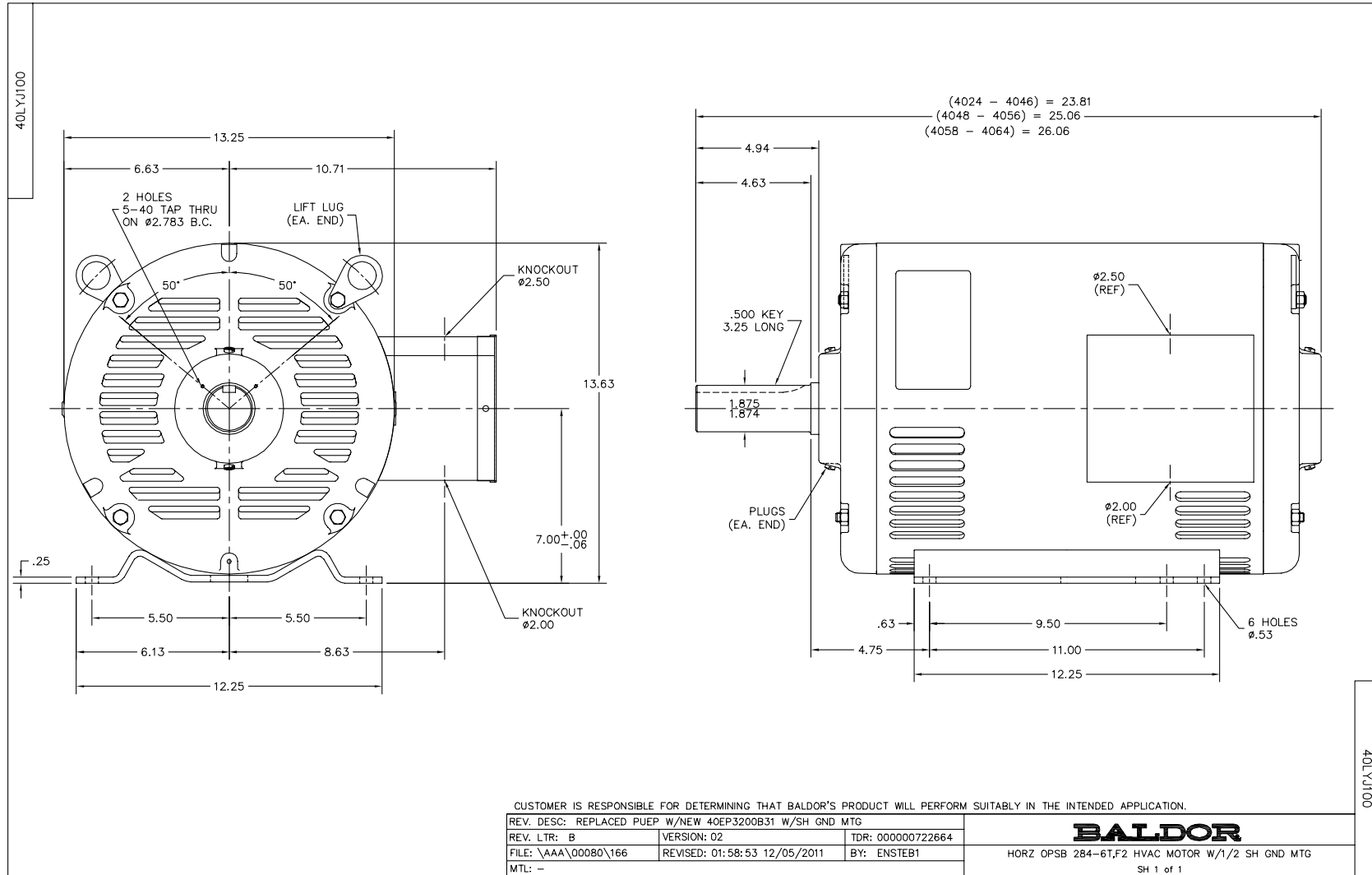
Performance Data at 460V, 60Hz, 30.0HP (Typical performance - Not guaranteed values)

General Characteristics			
Full Load Torque:	88.9 LB-FT	Start Configuration:	DOL
No-Load Current:	13.32 Amps	Break-Down Torque:	272.0 LB-FT
Line-line Res. @ 25°C.:	0.237 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	127.0 LB-FT
Temp. Rise @ Rated Load:	31 C	Locked-Rotor Torque:	149.0 LB-FT
Temp. Rise @ S.F. Load:	40 C	Starting Current:	223.6 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	50.0	72.0	82.0	85.0	87.0	87.0	86.0
Efficiency:	90.3	93.6	94.2	94.1	93.6	92.7	93.8
Speed:	1792.0	1785.0	1777.0	1769.0	1761.0	1752.0	1765.0
Line Amperes:	15.5	20.75	27.37	34.9	43.0	52.1	39.7

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

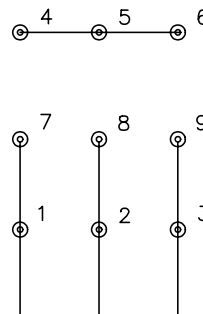




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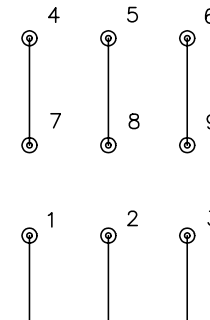


LOW VOLTAGE
(2Y)



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

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