

BALDOR® • RELIANCE

Product Information Packet

EHFM2543T

50HP,1775RPM,3PH,60HZ,324T,4256M,OPSB,F2

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Part Detail									
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4256M	Elec. Spec:	42WGW387	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	42E133	Layout:			
Frame:	326T	Mounting:	F2	Poles:	04	Created Date:	06-16-2006		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-19-2012		
Leads:	9#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2094E06B03									
CAT.NO.	EHFM2543T								
SPEC.	42E133W387G1								
HP	50								
VOLTS	230/460								
AMPS	114/57								
RPM	1775								
FRAME	326T	HZ			60	PH	3		
SER.F.	1.15	CODE			G	DES	B	CL	F
NEMA-NOM-EFF	94.5	PF			87				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			121				
DE	6312	ODE			6311				
AUTO		MANUAL				NONE			
ENCL	OPSB	SN							
BLANK									

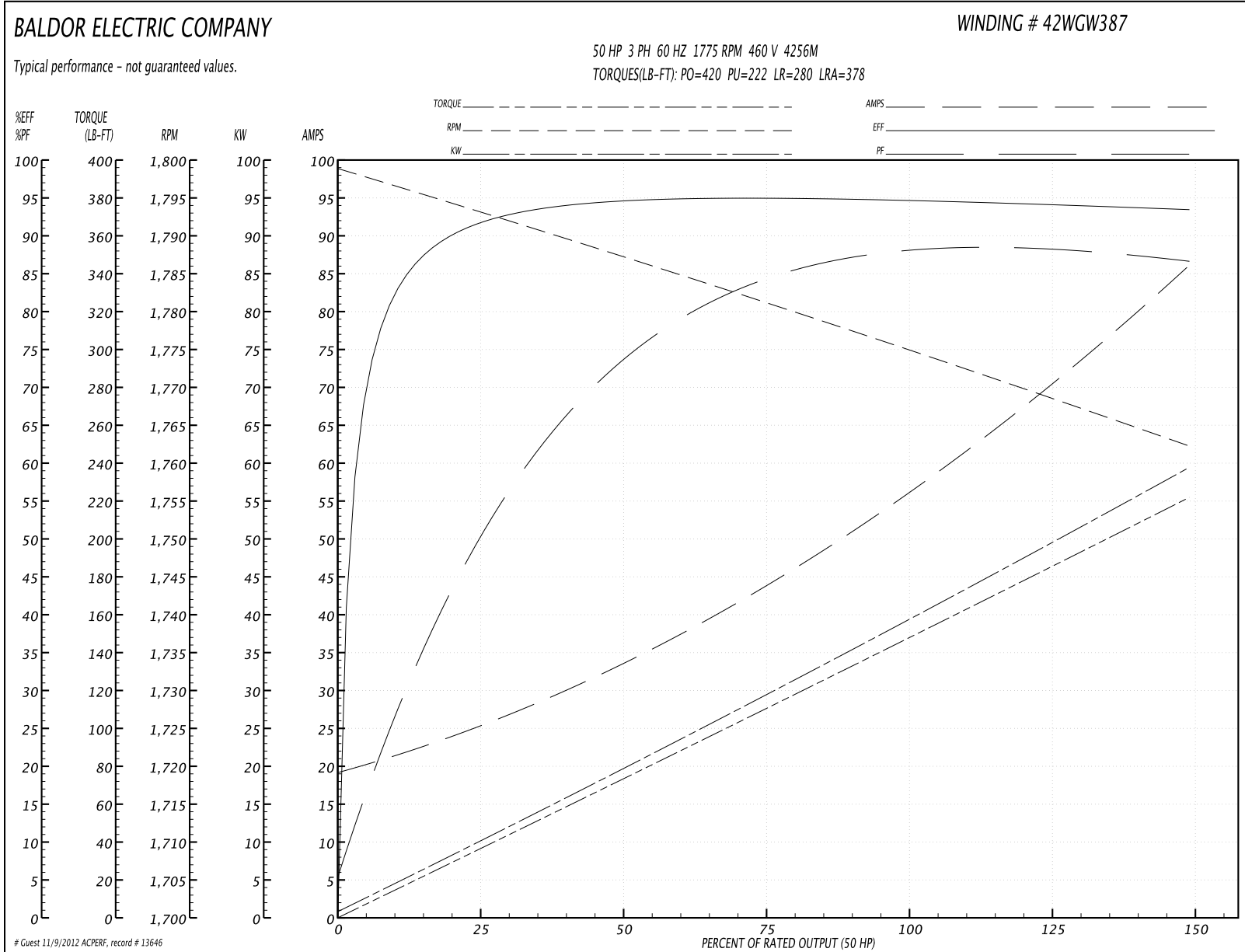
Parts List		
Part Number	Description	Quantity
SA144128	SA 42E133W387G1	1.000 EA
RA133339	RA 42E133W387G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6360	LIFTING LUG FOR 42 FRAME MOTORS.	2.000 EA
42CB4000A01	CONDUIT BOX 40, STAMPED	1.000 EA
19XW2520A08	SCREW,1/4-20X1/2 TAPTITE-II OR ROLOC 91	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
42EP3200A01	FR ENDPLATE, MACH 324-6T	1.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
42EP3200B13	PUEP, MACH FOR 1/2 SH GND MTG	1.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA
42CB4500A01	CONDUIT BOX LID 42, 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
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.030 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.080 GA
HA3151A03	THRUBOLT STUD 1/2-13 X 20.5	4.000 EA
42AD2001A01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA
42AD2001A01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA

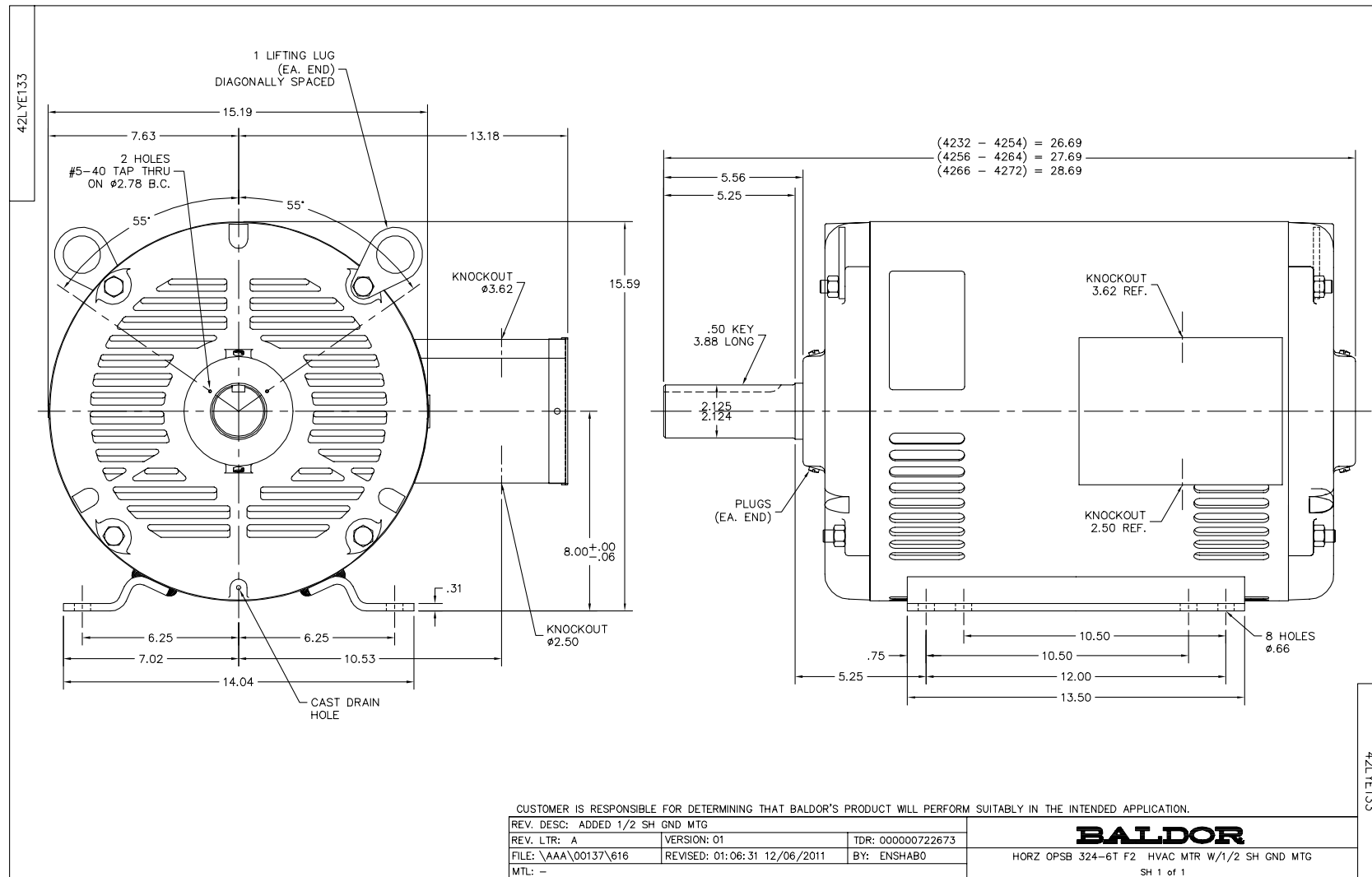
Parts List (continued)		
Part Number	Description	Quantity
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0181	CONNECTION LABEL	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 50.0HP (Typical performance - Not guaranteed values)

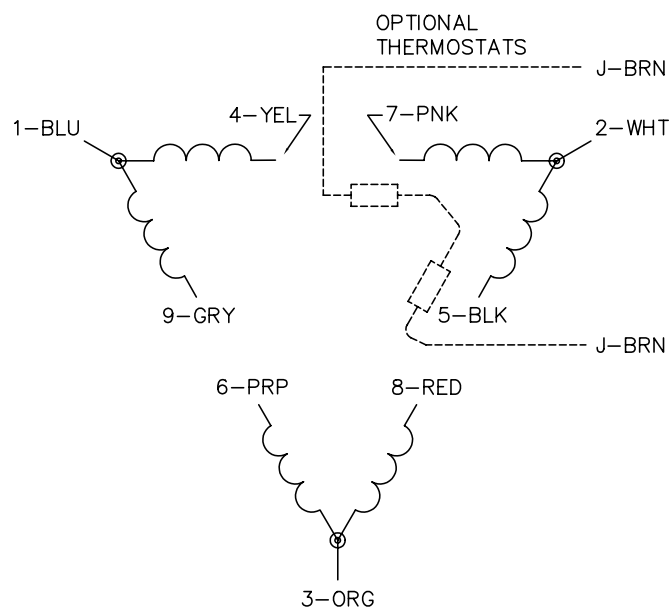
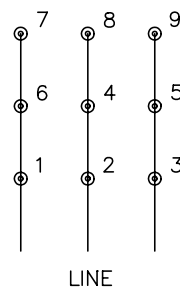
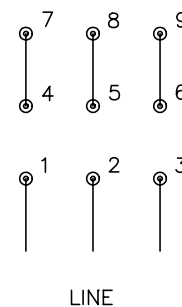
General Characteristics							
Full Load Torque:		148.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		20.2 Amps		Break-Down Torque:		420.0 LB-FT	
Line-line Res. @ 25°C.:		0.1208 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		222.0 LB-FT	
Temp. Rise @ Rated Load:		36 C		Locked-Rotor Torque:		280.0 LB-FT	
Temp. Rise @ S.F. Load:		47 C		Starting Current:		378.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	53.0	75.0	84.0	87.0	88.0	88.0	87.0
Efficiency:	91.8	94.5	94.9	94.7	94.2	93.4	94.4
Speed:	1793.0	1787.0	1781.0	1775.0	1769.0	1762.0	1771.0
Line Amperes:	24.1	33.0	44.3	57.0	70.8	85.4	65.2

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