

BALDOR® • RELIANCE

Product Information Packet

EHM2555T

100HP,1780RPM,3PH,60HZ,404T,4476M,OPSB,F

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Part Detail									
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4476M	Elec. Spec:	44WGW156	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	44E066	Layout:			
Frame:	404T	Mounting:	F1	Poles:	04	Created Date:			
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-19-2012		
Leads:	9#4	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2094E06B03									
CAT.NO.	EHM2555T								
SPEC.	44E066W156G1								
HP	100								
VOLTS	208-230/460								
AMPS	240-226/113								
RPM	1780								
FRAME	404T	HZ			60	PH	3		
SER.F.	1.15	CODE			G	DES	B	CL	F
NEMA-NOM-EFF	95.4	PF			85				
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6316	ODE			6312				
AUTO				MANUAL		NONE			
ENCL	OPSB	SN							
BLANK									

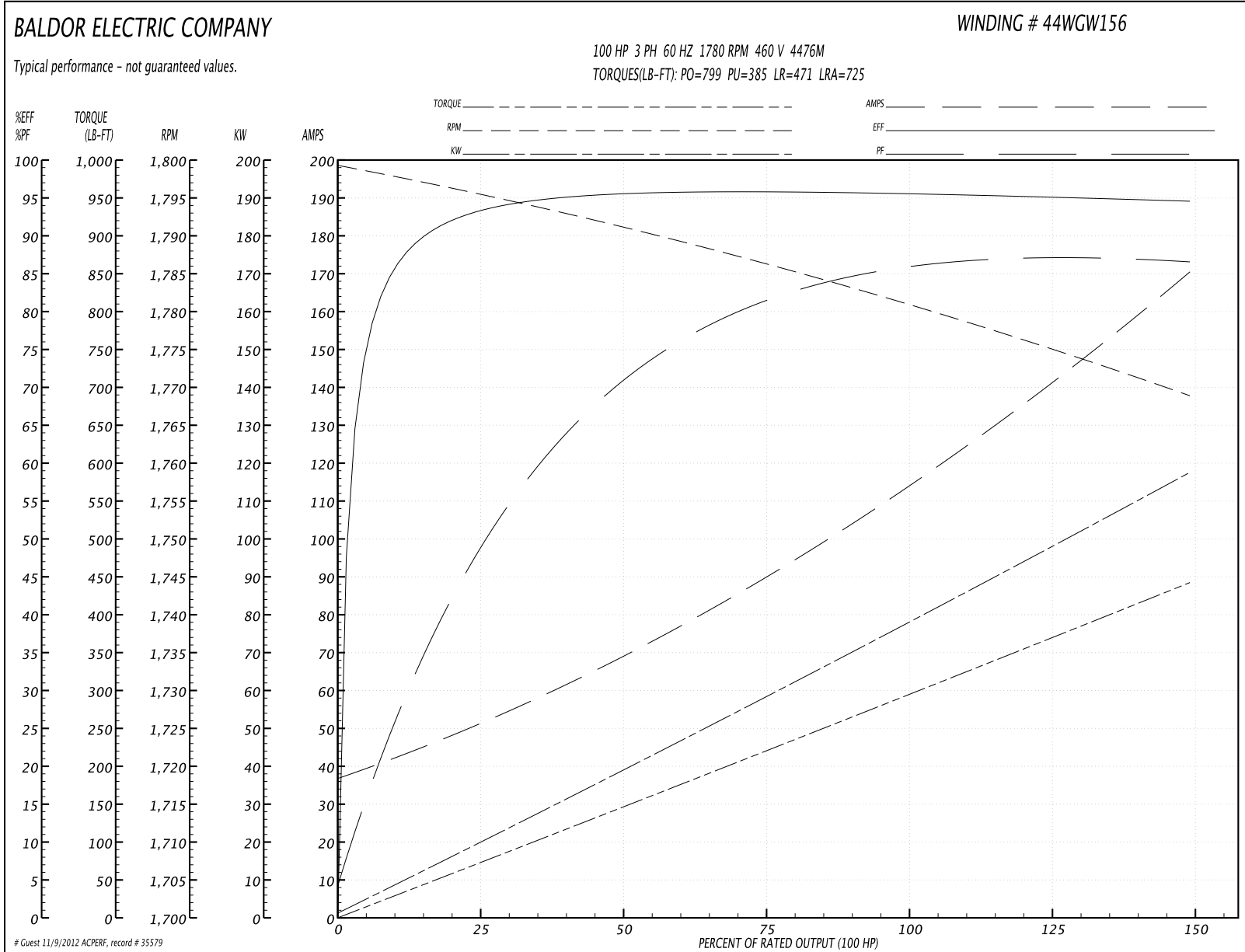
Parts List		
Part Number	Description	Quantity
SA144446	SA 44E066W156G1	1.000 EA
RA133637	RA 44E066W156G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6731	LIFTING LUG FOR 44 FRAME MOTORS.	2.000 EA
HA6648A01	CAST ADAPTER, 44 FRAME - NEMA 404-5 - MA	1.000 EA
19XW3816A16	.38-16 X 1.00 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 EA
44EP1202A12	PU ENDPLATE, MACH.	1.000 EA
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 EA
18CB1006A04	CB 318 3.62 LD HOLE, .38 MTG HOLE & 3.88	1.000 EA
19XW3118A16	.31-18 HEX WASHER HEAD TAPTITE II 1.00 L	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B25	BURNDY TERMINAL L125HP	1.000 EA
10XN3118K08	5/16-18 X .50 GRADE #5, STL, ZINC PLATE	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	1.000 EA
44EP1203A02	FREP, MACH	1.000 EA
HW5100A15	W4997-050 WVY WSHR (WB)	1.000 EA
10XN3816K48	3/8-16 X 3 HEX HD CAP SCREW,Z/P	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA
18CB1506A01	CB LID 318 FOR 18CB1006	1.000 EA
10XN3118K16	5/16-18 X 1" GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
HW2501K66	KEY, 3/4 SQ X 5.625	1.000 EA

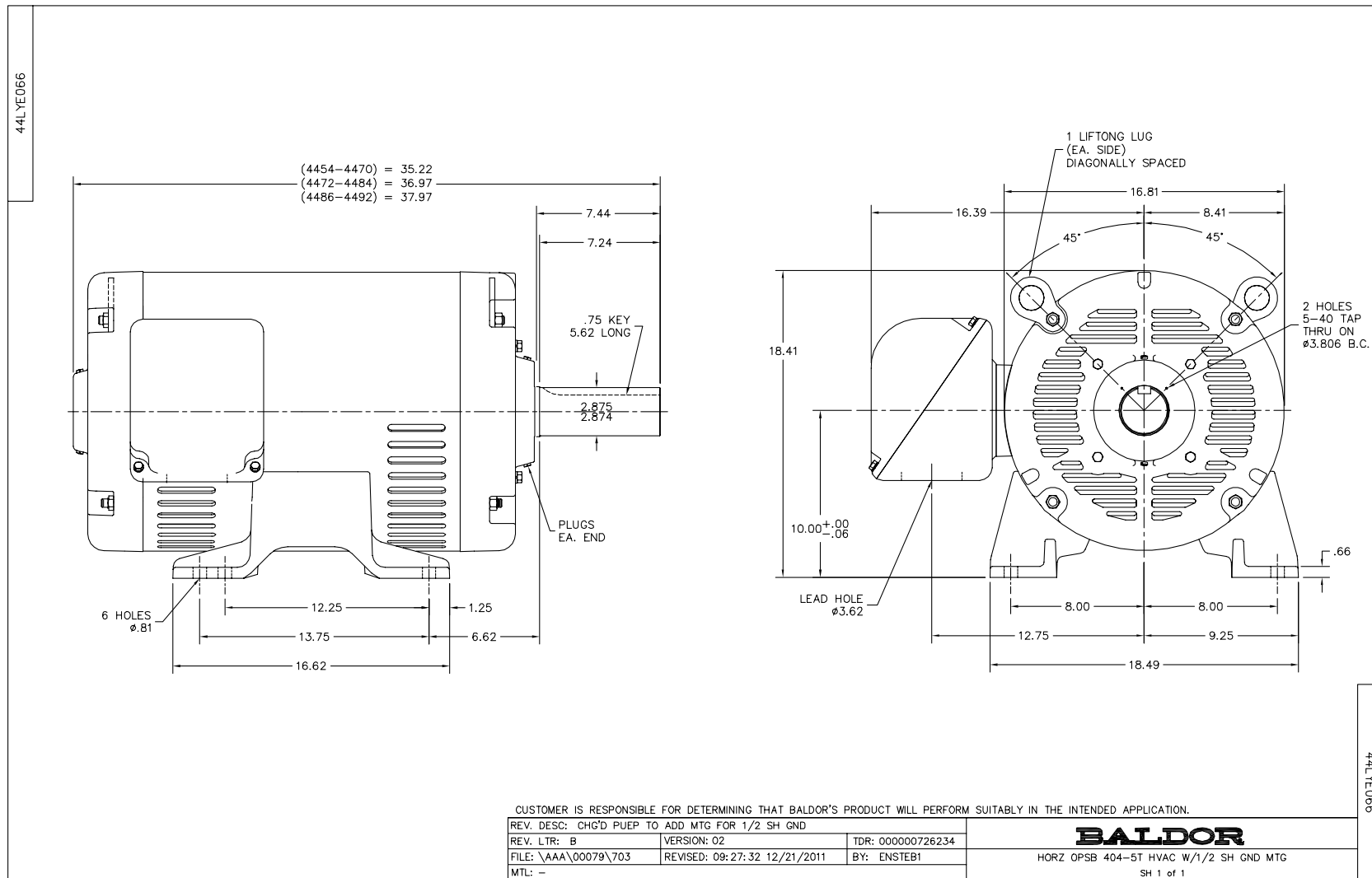
Parts List (continued)		
Part Number	Description	Quantity
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.030 LB
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HA3175A04	THRUBOLT STUD 1/2-13 X 26.000 - GRADE 2	4.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.080 GA
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
44PA1000	PK GP COMB PRINT 39-3/8X31X23-7/8	1.000 EA

Performance Data at 460V, 60Hz, 100.0HP (Typical performance - Not guaranteed values)

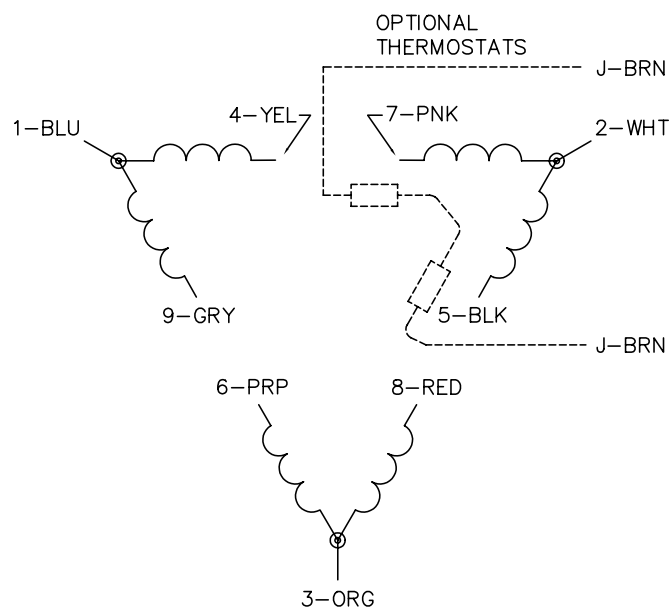
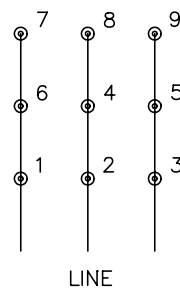
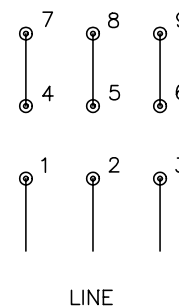
General Characteristics							
Full Load Torque:		295.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		37.1 Amps		Break-Down Torque:		799.0 LB-FT	
Line-line Res. @ 25°C.:		0.0501 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		385.0 LB-FT	
Temp. Rise @ Rated Load:		40 C		Locked-Rotor Torque:		471.0 LB-FT	
Temp. Rise @ S.F. Load:		48 C		Starting Current:		725.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	50.0	72.0	81.0	87.0	86.0	87.0	86.0
Efficiency:	93.1	95.4	95.8	95.6	95.2	94.5	95.4
Speed:	1796.0	1791.0	1786.0	1781.0	1775.0	1769.0	1777.0
Line Amperes:	51.0	69.0	91.0	113.0	142.0	170.0	130.0

Performance Graph at 460V, 60Hz, 100.0HP 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