

BALDOR® • RELIANCE

Product Information Packet

EM2551T-5

75HP,1775RPM,3PH,60HZ,365T,4462M,OPSB,F1

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Part Detail									
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4462M	Elec. Spec:	44WGW317	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	44E196	Layout:			
Frame:	365T	Mounting:	F1	Poles:	04	Created Date:	08-03-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-03-2012		
Leads:	3#6	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2138L									
CAT.NO.	EM2551T-5	P/N		ENCLOSURE			OPSB		
SPEC.	44E196W317	CC	010A	FRAME			365T	S/N	
HP	75	CLASS	F	HZ			60		
RPM	1775	PH	3	DES			B		
VOLT	575	KVA-CODE	F	ODE BRG			6312	DE BRG	6313
AMP	68	USABLE AT 208V							
RATING	40C AMB-CONT	GREASE	POLYREX EM						
NEMA-NOM-EFF	95	PF	85	SER.F.			1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.					

Parts List		
Part Number	Description	Quantity
SA200832	SA 44E196W317	1.000 EA
RA188143	RA 44E196W317	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
HA6616A01	CAST ADAPTOR, 44 FRAME - NEMA 364-5 - 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
10CB3002A02	CB 309 3.62 LD HOLE, .38 MTG HOLE & 3.50	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
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	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
44EP1203A01	PU ENDPLATE, MACH	1.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	4.000 EA
HW2501J36	KEY, 5/8 SQ X 4.250	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.030 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
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.080 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
HA3175A02	THRUBOLT STUD 1/2-13 X 24.500 - GRADE 2	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0006	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
44PA1000	PK GP COMB PRINT 39-3/8X31X23-7/8	1.000 EA

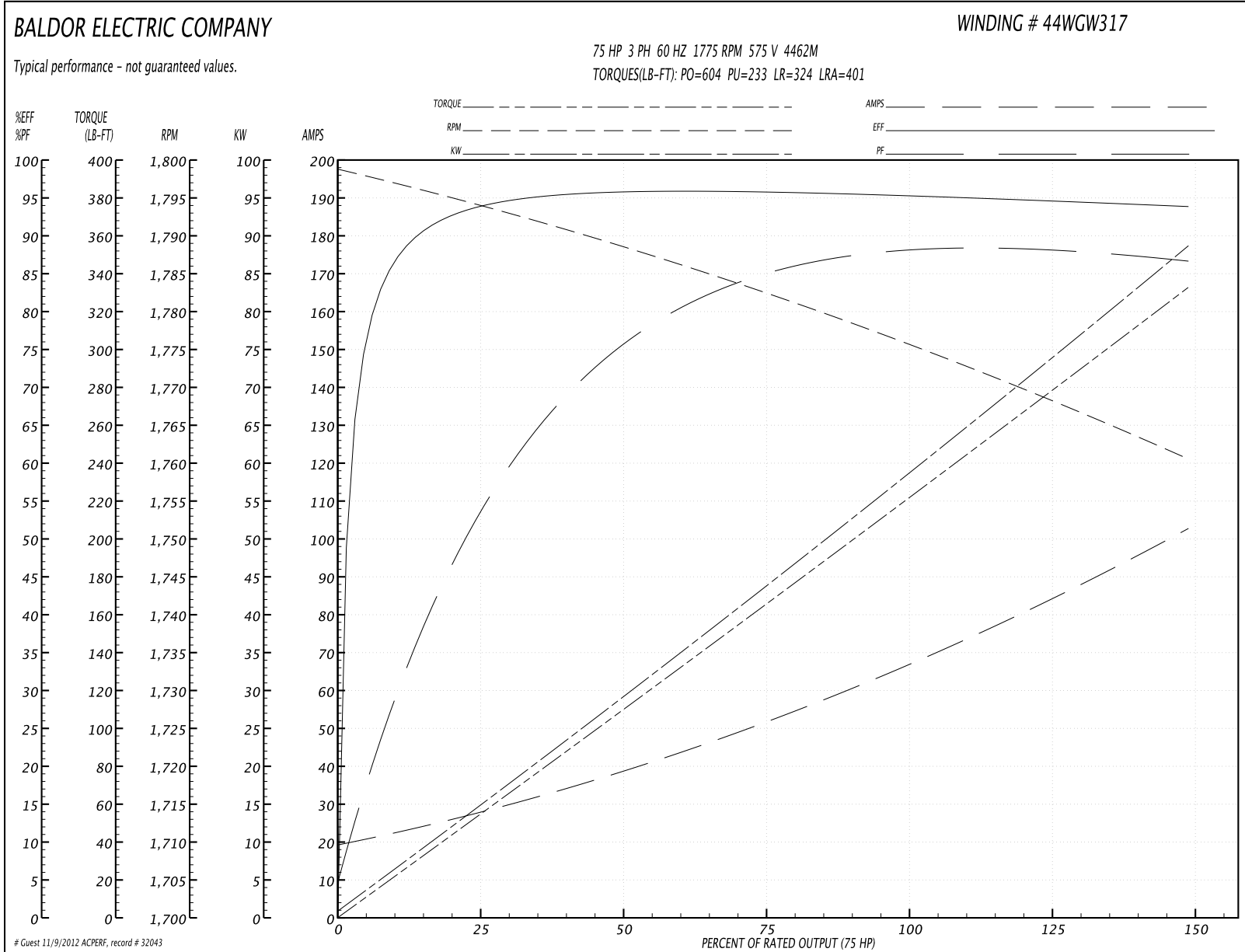
Performance Data at 575V, 60Hz, 75.0HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	222.0 LB-FT	Start Configuration:	DOL
No-Load Current:	20.4 Amps	Break-Down Torque:	604.0 LB-FT
Line-line Res. @ 25°C.:	0.126 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	233.0 LB-FT
Temp. Rise @ Rated Load:	30 C	Locked-Rotor Torque:	324.0 LB-FT
Temp. Rise @ S.F. Load:	37 C	Starting Current:	401.0 Amps

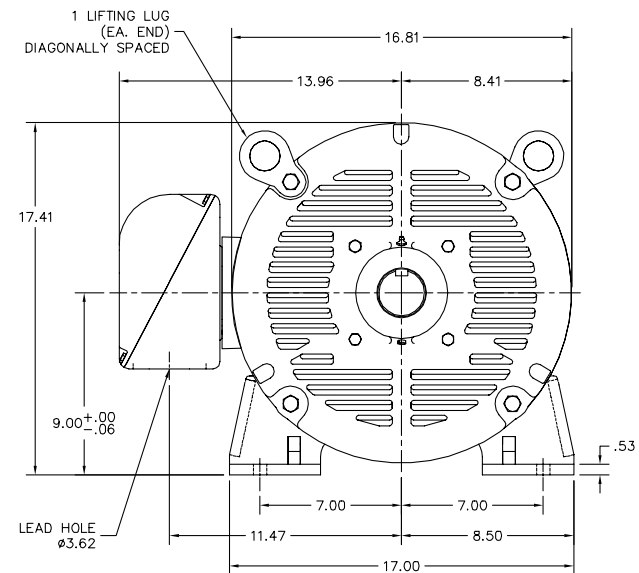
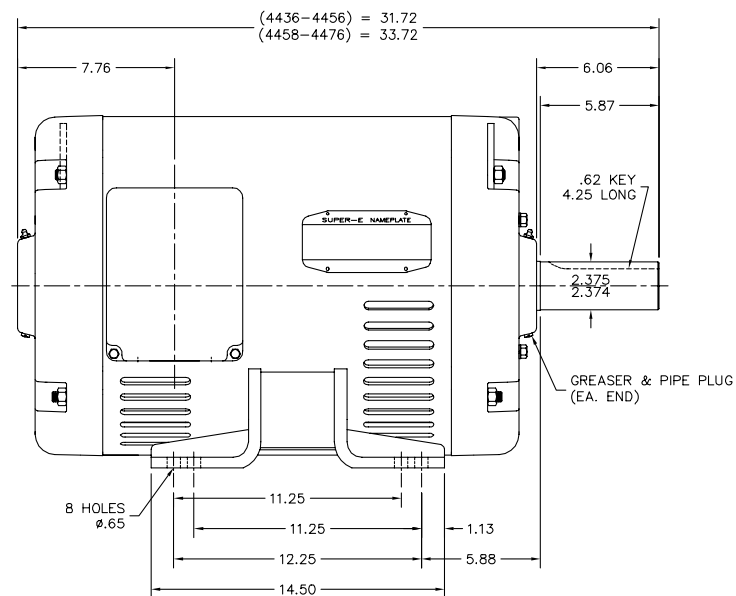
Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	57.0	78.0	84.0	87.0	87.0	87.0	87.0
Efficiency:	93.6	95.4	95.9	95.2	94.8	93.7	95.0
Speed:	1794.0	1788.0	1782.0	1776.0	1769.0	1760.0	1772.0
Line Amperes:	26.5	38.0	52.5	68.0	84.6	102.0	78.0

Performance Graph at 575V, 60Hz, 75.0HP Typical performance - Not guaranteed values



44LYE196



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: NEW	VERSION: 00	TDR: 000000505270
REV. LTR: -	REvised: 07:37:02 07/13/2009	BY: ENGAMG0
FILE: \AAA\00164\097		
MTL: -		

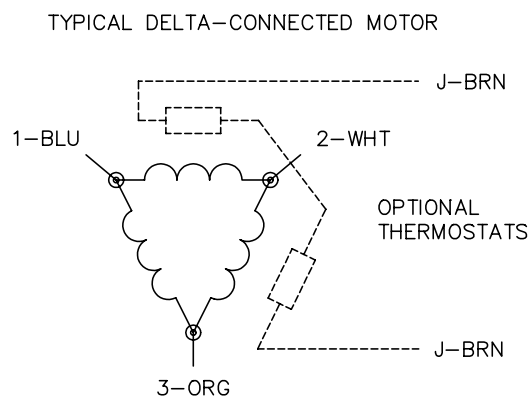
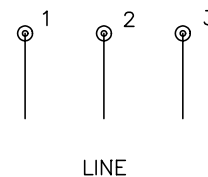
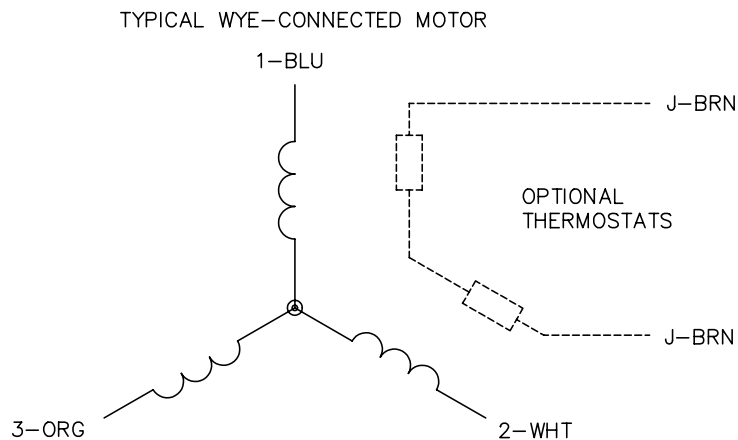
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STD HORZ OPSB 364-ST, SUPER-E

SH 1 of 1

44LYE196

CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006