

BALDOR® • RELIANCE

Product Information Packet

EJMM2543T

50HP,1775RPM,3PH,60HZ,326JM,4256M,OPSB,F

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Part Detail									
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4256M	Elec. Spec:	42WGW387	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	42F59	Layout:			
Frame:	326JM	Mounting:	F1	Poles:	04	Created Date:			
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-23-2012		
Leads:	9#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2138L									
CAT.NO.	EJMM2543T	P/N		ENCLOSURE			OPSB		
SPEC.	42F059W387G4	CC	010A	FRAME			326JM	S/N	
HP	50	CLASS	F	HZ			60		
RPM	1775	PH	3	DES			B		
VOLT	230/460	KVA-CODE	G	ODE BRG			6311	DE BRG	6312
AMP	114/57	USABLE AT 208V	121						
RATING	40C AMB-CONT	GREASE	POLYREX EM						
NEMA-NOM-EFF	94.5	PF	87	SER.F.			1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.					

Parts List		
Part Number	Description	Quantity
SA111841	SA 42F059W387G4	1.000 EA
RA103154	RA 42F059W387G4	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
HA6017A01	CAST ADAPTOR	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	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
42EP3200A01	FR ENDPLATE, MACH 324-6T	1.000 EA
HA1108A01	RODENT SCREEN	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW5100A13	W4627-047 WVY WSHR	1.000 EA
42EP1300A16	PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA1165A01	RODENT SCREEN FOR 42 PU. C-FACE EP (INSI	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
HW2501E22	KEY, 1/4 SQ X 2.500	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
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	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
42AD2001A01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA
42AD2001A01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3151A03	THRUBOLT STUD 1/2-13 X 20.5	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
LC0181	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
42PA1000	PACKAGING GROUP 42 FRAME PK1024A06	1.000 EA

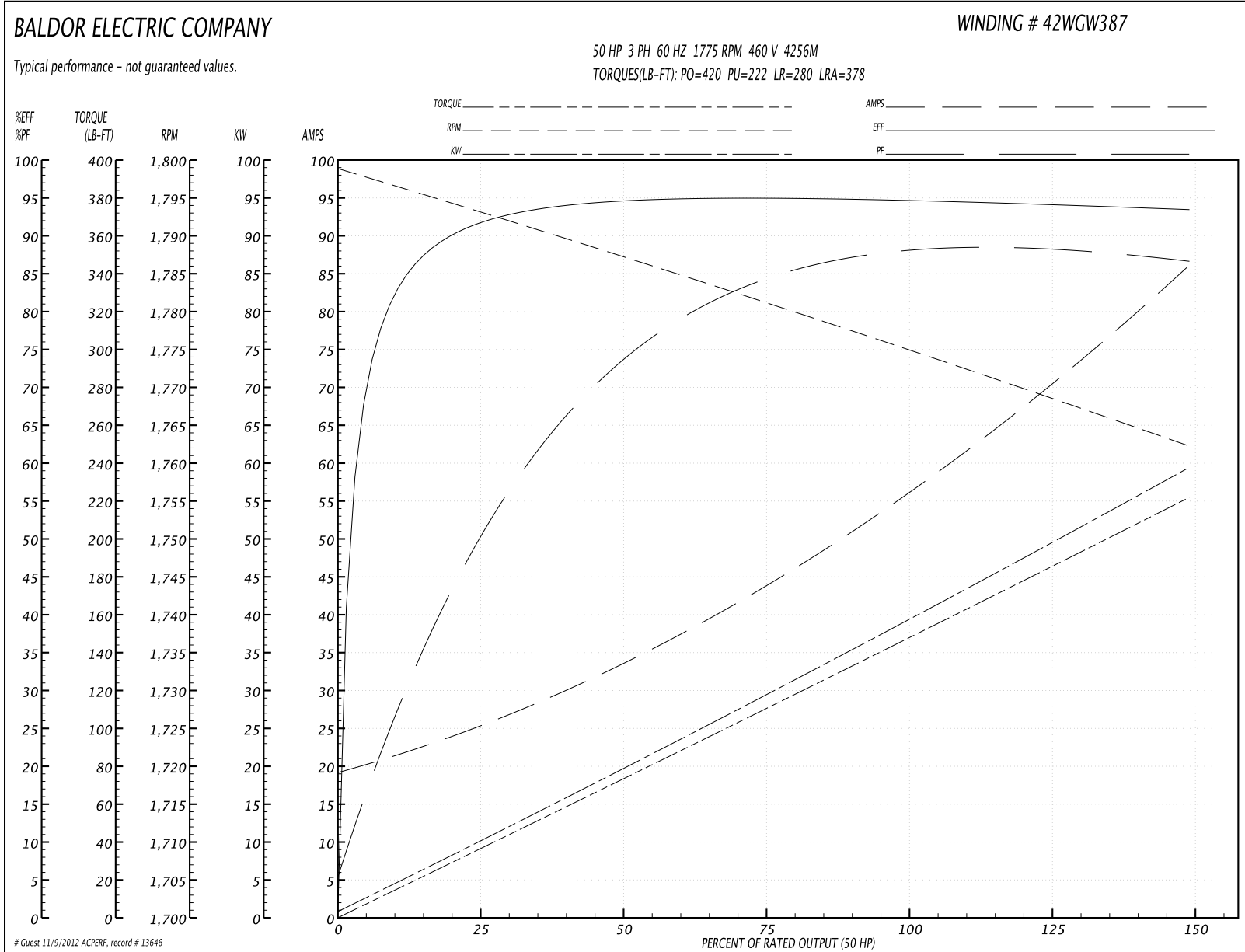
Performance Data at 460V, 60Hz, 50.0HP (Typical performance - Not guaranteed values)**General Characteristics**

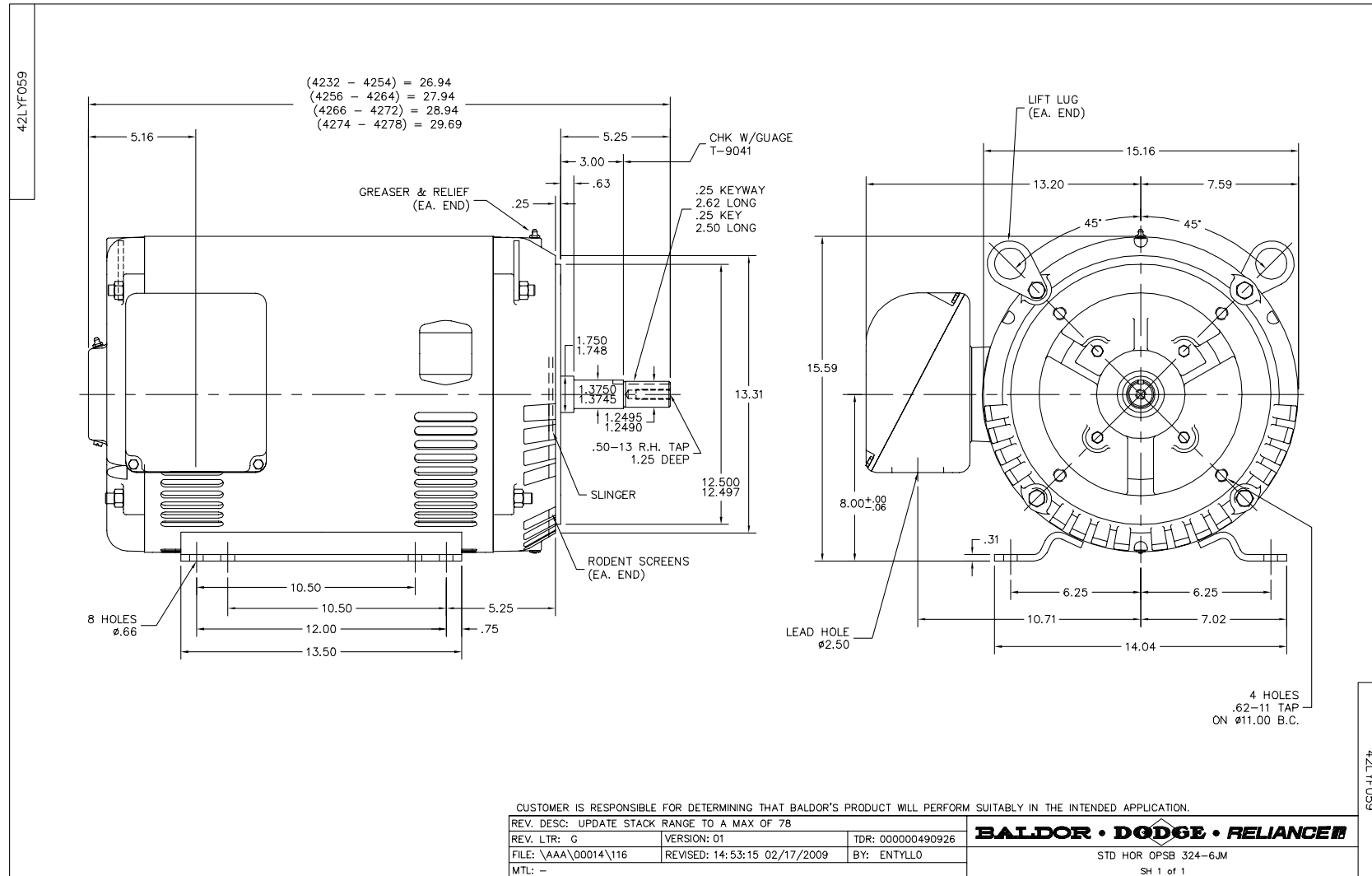
Full Load Torque:	148.0 LB-FT	Start Configuration:	DOL
No-Load Current:	20.2 Amps	Break-Down Torque:	420.0 LB-FT
Line-line Res. @ 25°C.:	0.1208 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	222.0 LB-FT
Temp. Rise @ Rated Load:	36 C	Locked-Rotor Torque:	280.0 LB-FT
Temp. Rise @ S.F. Load:	47 C	Starting Current:	378.0 Amps

Load Characteristics

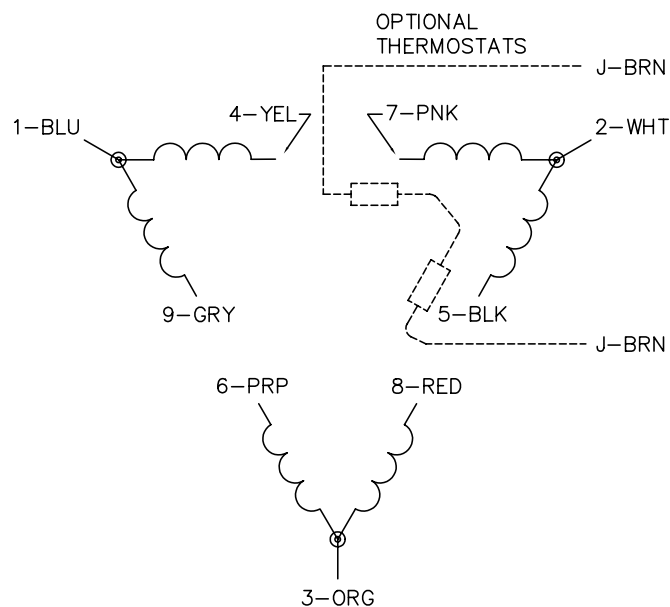
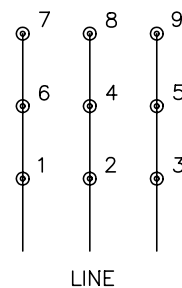
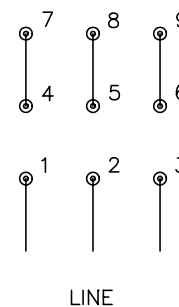
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	53.0	75.0	84.0	87.0	88.0	88.0	87.0
Efficiency:	91.8	94.5	94.9	94.7	94.2	93.4	94.4
Speed:	1793.0	1787.0	1781.0	1775.0	1769.0	1762.0	1771.0
Line Amperes:	24.1	33.0	44.3	57.0	70.8	85.4	65.2

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