

# **BALDOR**® • *RELIANCE*

## Product Information Packet

# M4115T-58

50HP,1470RPM,3PH,50HZ,326T,1264M,TEFC,F1

Part Detail									
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	1264M	Elec. Spec:	12WGX767	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	12C51	Layout:			
Frame:	326T	Mounting:	F1	Poles:	04	Created Date:	09-08-2011		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-13-2011		
Leads:	6#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2717L									
CAT NO	M4115T-58								
SPEC.	12C051X767H1								
HP	50	PH	3						
VOLTS	400								
AMP	67								
RPM	1470								
FRAME	326T	HZ	50	I.P.	54				
SER.F.	1.15	CODE	F	DES	B	CL	F		
NEMA-NOM-EFF	92.7	% (100%) IEC60034-2-1							
PF	85	USABLE AT 208V							
RATING	40C AMB-CONT	CC							
DE BRG	6312	ODE	6311						
ENCL	TEFC	SN							
BLANK	IE2-92.9(75%)92.6(50%)								

Parts List		
Part Number	Description	Quantity
SA230334	SA 12C051X767H1	1.000 EA
RA217364	RA 12C051X767H1	1.000 EA
09FN3001A03	EXTERNAL FAN, PLASTIC KENCO	1.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 EA
12GS1000SP	GASKET	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	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
HA3400A13SP	STUD, 1/2-13 X 7" WELKER	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
10XN3118K36	5/16-18 X 2.25" HEX HD, GRADE 5	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
12EP1106A01	PU ENDPLATE, MACH 324-6T	1.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
10XN5013K28	1/2-13 X 1.75 HEX HEAD MACH SCREW,GRAD	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	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
12FH1002SP	FAN COVER, CAST QF,WAUPACA QUALITY	1.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	4.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	4.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10GS1000SP	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
12EP1107A05	FR ENDPLATE, MACH 324-6T	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.200 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.080 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	4.000 EA
LC0382	CONNECTION LABEL	1.000 EA
NP2717L	ALUM NEMA IE2 UL CSA CC CE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
12PA1000	PACKAGING GROUP COMBINED PRINT PK1024A06	1.000 EA

**Performance Data at 400V, 50Hz, 50.0HP (Typical performance - Not guaranteed values)**

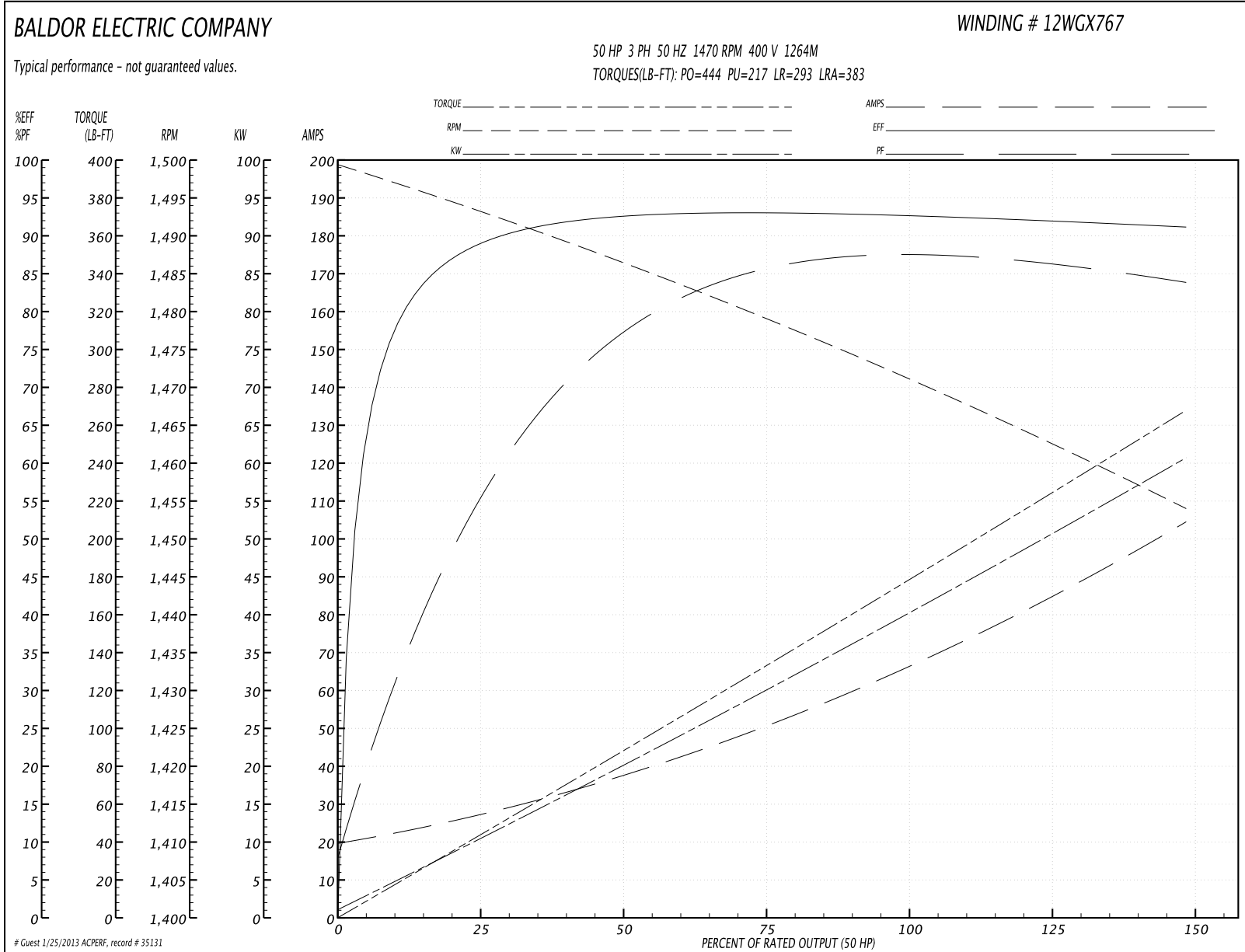
**General Characteristics**

<b>Full Load Torque:</b>	178.0 LB-FT	<b>Start Configuration:</b>	DOL
<b>No-Load Current:</b>	20.7 Amps	<b>Break-Down Torque:</b>	444.0 LB-FT
<b>Line-line Res. @ 25°C.:</b>	0.117 Ohms A Ph / 0.0 Ohms B Ph	<b>Pull-Up Torque:</b>	217.0 LB-FT
<b>Temp. Rise @ Rated Load:</b>	75 C	<b>Locked-Rotor Torque:</b>	293.0 LB-FT
<b>Temp. Rise @ S.F. Load:</b>	92 C	<b>Starting Current:</b>	383.0 Amps

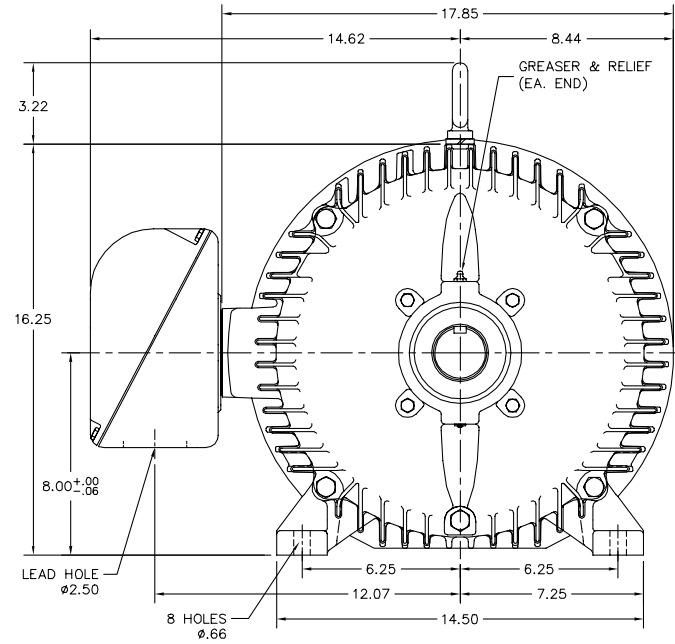
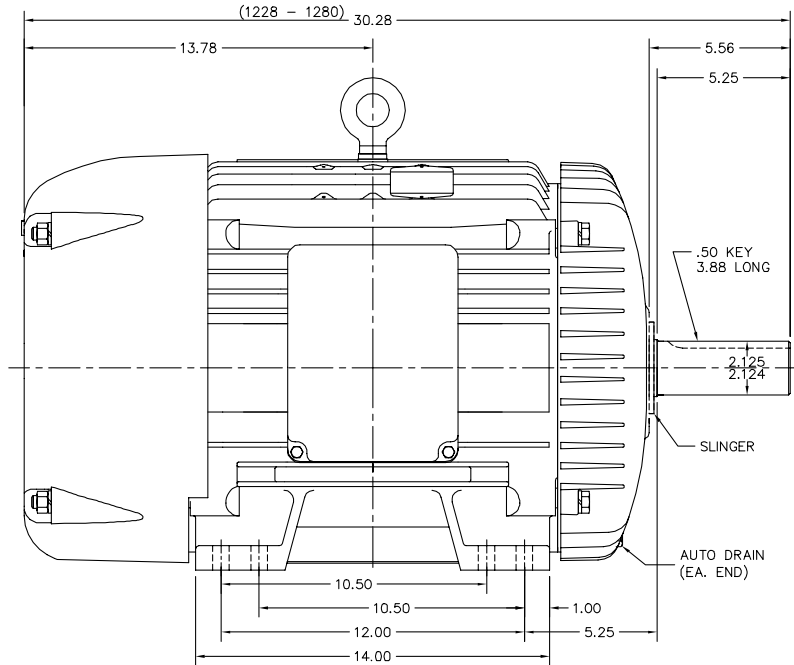
**Load Characteristics**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	59.0	79.0	85.0	86.0	86.0	84.0	86.0
<b>Efficiency:</b>	88.9	92.6	92.9	92.8	92.2	91.1	92.4
<b>Speed:</b>	1494.0	1486.0	1479.0	1471.0	1463.0	1454.0	1466.0
<b>Line Amperes:</b>	25.9	37.1	51.2	67.0	84.4	104.0	77.4

Performance Graph at 400V, 50Hz, 50.0HP Typical performance - Not guaranteed values



12LYC051



12LYC051

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

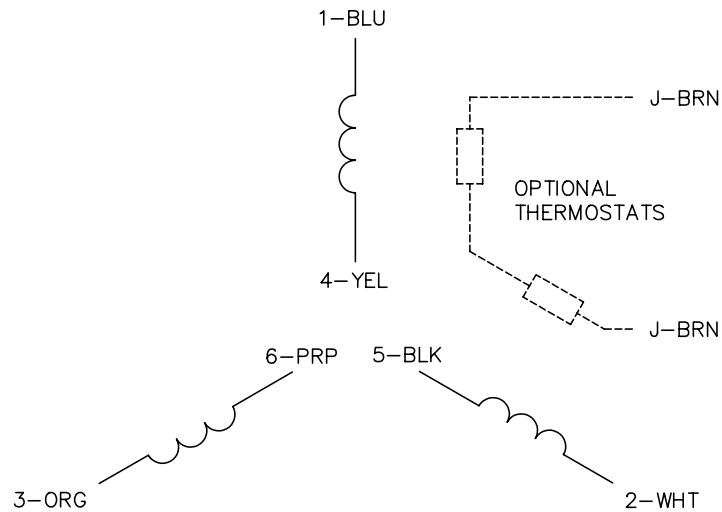
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MTL: -		

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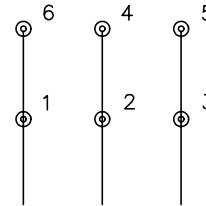
STD HORZ TEFC 324-6T

SH 1 of 1

CD0382

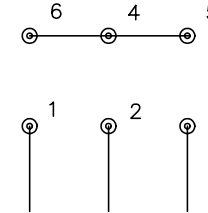


RUN CONNECTION (1D)



LINE

START CONNECTION (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.
5. FOR ACROSS-THE-LINE STARTING, USE 'RUN' CONNECTION.

REV. DESC: ADD NOTE 5 FOR DOL STARTING			
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CD0382		FILE: AAA00005243	REF: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, Y START/D RUN

CD0382