

BALDOR® • ***RELIANCE***

Product Information Packet

EM4314T-58

60HP, 1480RPM, 3PH, 50HZ, 364T, TEFC, F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG1303	CD Diagram:	416820-008
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-001-SH1
Frame:	364T	Mounting:	F1	Poles:	04	Created Date:	03-30-2015
Base:		Rotation:	R	Insulation:	B	Eff. Date:	09-26-2016
Leads:	6#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L	
MOBIL POLYREX EM	

Nameplate NP2838L					
SPEC NO.	A36-6662-1303	IP	54	TEMP	70
	IE3 - 94.3 (100%) - 94.7(75%) - 94.5 (75%)				

Nameplate NP2356L										
SPEC NO.	A36-6662-1303			CAT.NO.	EM4314T-58			FRAME	364T	
HP	60	VOLTS	400		PHASE	3	DESIGN	B	TYPE	P
RPM	1480	AMPS	80.5		HZ	50	AMB	40	SF	1.15
DRIVE END BEARING	65BC03J30X			DUTY	CONT		INSUL.CLASS	F		
OPP D.E. BEARING	65BC03J30X			ENCL	TEFC		CODE	G		
NEMA NOM/CSA QUOTED EFF				NEMA-NOM-EFFICIENCY	94.3					
SER.NO.										
									MOTOR WEIGHT	910

Parts List		
Part Number	Description	Quantity
SA295917	SA A36-6662-1303	1.000 EA
RA281968	RA A36-6662-1303	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
NP2838L	CE EFFICIENCY PLATE,	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000613006T	N/P, ROTATION	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2356L	SUPER-E ,SS, CSA, CSA SUPER MONOGRAM	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
415072001B	CLAMP	1.000 EA
078559001A	+FANCV - 360	1.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
078548001K	FAN KB 100/30 (70) 360	1.000 EA
004824015A	GREASE POLYREX EM	0.540 LB
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
410700004F	WSHR	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034690001AB	SQHDPLG, COND	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
077176000L	C/BOX, PAINTED 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
402731001A	GASK 360-440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
418199008A	N/P GRD I/D	1.000 EA
418199008A	N/P GRD I/D	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
032018004CK	HHCS 3/8-16X1/2L PLATED	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025Y03	WILKOFAS, 789.701, SUPER E PEARL GOLD	1.000 QT
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA

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034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 EA
032509020C	CARRIAGE BOLT - 360	3.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	364T	60	P	3/50	1480	400
AMPS	DUTY	AMB ^o C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
80.5	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^o C (OHMS BETWEEN LINES)		
492562	418141035YE	---	---	.0923		

PERFORMANCE

LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %
NO LOAD	0	25.7	1500	4.80	0
1/4	15.0	32.3	1496	54.5	92.1
2/4	30.0	45.2	1491	75.6	94.5
3/4	45.0	61.8	1487	82.8	94.7
4/4	60.0	80.4	1482	85.2	94.3
5/4	75.0	100	1476	86.2	93.5

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	199	423	538
PULL UP	600	178	378	495
BREAKDOWN	1401	267	568	308
FULL LOAD	1482	100	213	80.4

AMPERES SHOWN FOR 400. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

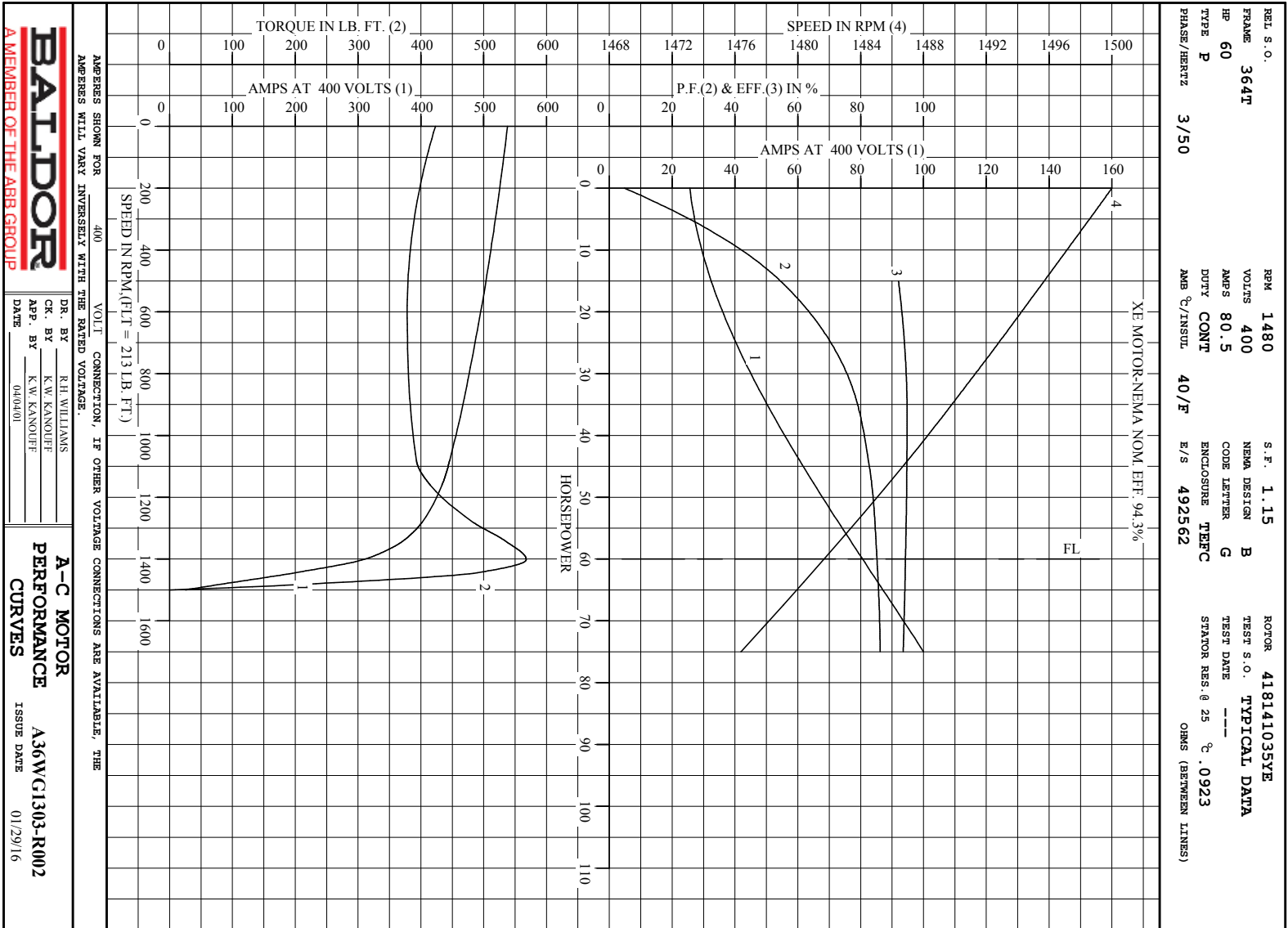
REMARKS: TYPICAL DATA
 XE MOTOR-NEMA NOM. EFF. 94.3%



DR. BY R.H. WILLIAMS
 CK. BY K.W. KANDUFE
 APP. BY K.W. KANDUFE
 DATE 04/04/01

A-C MOTOR PERFORMANCE DATA
 A36WG1303-R002
 ISSUE DATE 01/29/16

A MEMBER OF THE ABB GROUP



AMPS SHOWN FOR 400 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPS WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY R.H. WILLIAMS
CK. BY K.W. KANOUFE
APP. BY K.W. KANOUFE
DATE 04/04/01

A-C MOTOR PERFORMANCE CURVES
A36WC1303-R002
ISSUE DATE 01/29/16

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