

BALDOR® • RELIANCE 

Product Information Packet

EM4310T-G

60HP,3565RPM,3PH,60HZ,364TS,A36056M,TEFC

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A36WG3648	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	617428-025	Poles:	02	Created Date:	12-15-2011
Base:		Eff. Date:	02-24-2017	Leads:	3#4,6#6		

Specs			
Catalog Number:	EM4310T-G	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	364TS	Insulation Class:	H
Frame Material:	Iron	Inverter Code:	Not Inverter
Output @ Frequency:	60.000 HP @ 60 HZ	KVA Code:	G
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 4 AWG
	460.0 V @ 60 HZ	Motor Type:	A36056M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	89
Agency Approvals:	CCSA US	Product Family:	General Industrial
	CSA EEV	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Base Indicator:	Rigid	Shaft Ground Indicator:	Shaft Grounding
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Rotation:	Reversible
Current @ Voltage:	132.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	66.300 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA

Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	NONE (OLD)
		Thermal Device - Winding:	None

Nameplate NP2496L

MOBIL POLYREX EM

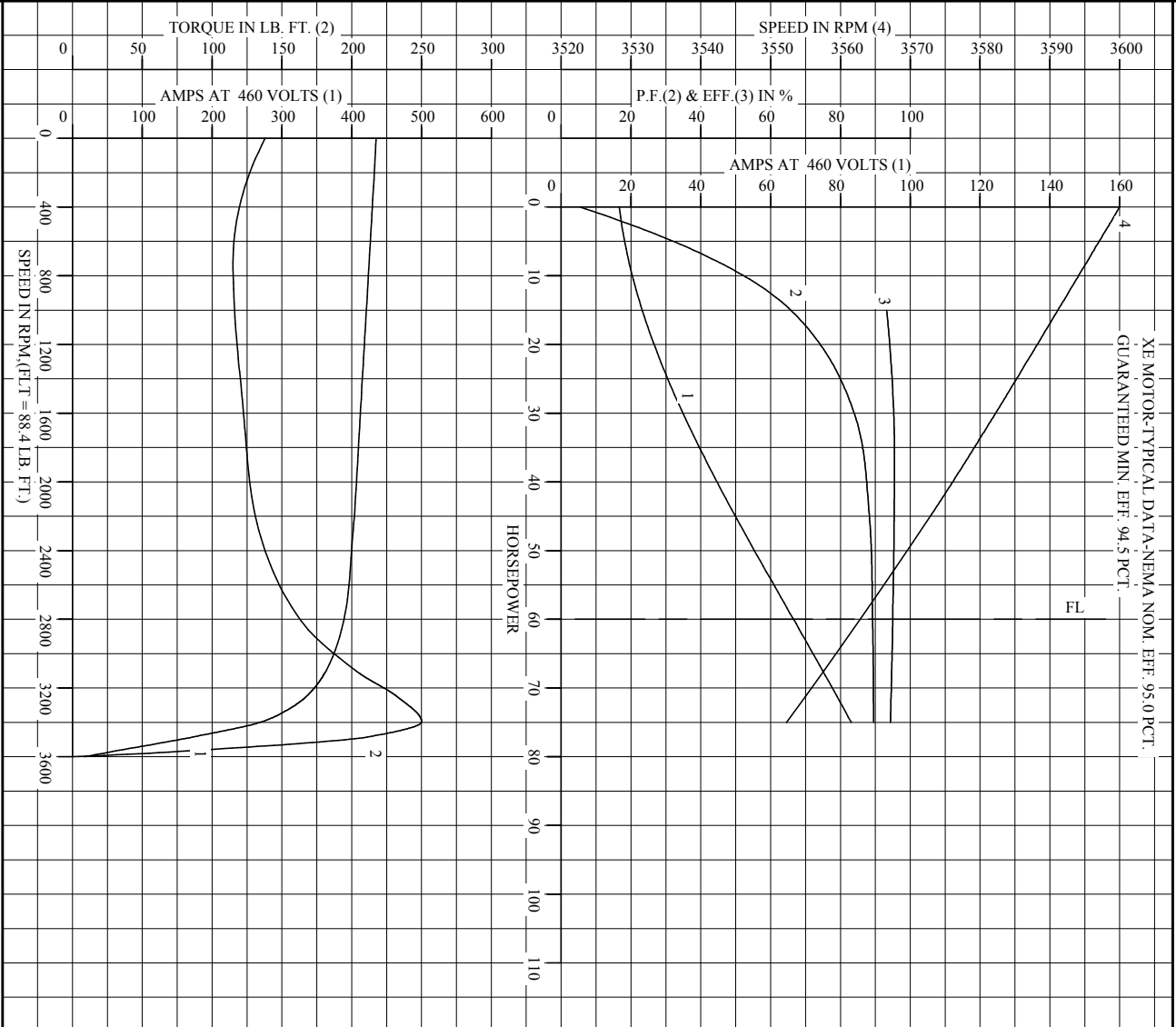
Nameplate NP2383L										
CAT.NO.	EM4310T-G			SPEC NO.	A36-1305-3648					
HP	60	AMPS	132/66.3		VOLTS	230/460		DESIGN	B	
FRAME	364TS	RPM	3565	HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	65BC03J30X			PHASE	3	DUTY	CONT		INSUL.CLASS	H
OPP D.E. BEARING	65BC03J30X			TYPE	P	ENCL	TEFC	CODE	G	
SER.NO.				POWER FACTOR	89		NEMA-NOM-EFFICIENCY	95		
NEMA NOM/CSA QUOTED EFF				MAX CORR KVAR	08.0		GUARANTEED EFFICIENCY	94.5		
				MOTOR WEIGHT	900					

Parts List		
Part Number	Description	Quantity
SA235866	SA A36-1305-3648	1.000 EA
RA222823	RA A36-1305-3648	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	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
702674001C	FAN 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
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
415045002E	SLGR	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
077176000L	C/BOX, 360-400	1.000 EA
BP5327	SHAFT GRD BRUSH (SGR-74.7-3CFHAT2)	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
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	1.000 GA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	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
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180016GA	KEY 1/2X1/2X2 L	1.000 EA
HW1000A32	5/16 FL WASHER WIDE, ID=.344, OD=1.125	3.000 EA
032509020C	CARRIAGE BOLT - 360	3.000 EA

14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
----------	------------------------------------	----------

REL. S.O.	RPM 3565	S.F. 1.15	ROTOR 418141002XE
FRAME 364TS	VOLTS 230/460	NEMA DESIGN B	TEST S.O. ---
HP 60	AMPS 132/66.3	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0270/.108
PHASE/HERTZ 3/60	AMB °C/INSUL 40/H	E/S 591878	OHMS (BETWEEN LINES)



BALDOR
A MEMBER OF THE ABB GROUP

DR. BY	G.R. WEBB	A-C MOTOR
CK. BY	W.L. SMITH	
APP. BY	W.L. SMITH	

PERFORMANCE CURVES

DATE	12/13/11	ISSUE DATE	12/13/11
A36WG3648-R004			

Printed on 12/13/11 9:55 @ ragsun

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	364TS	60	P	3/60	3565	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
132/66.3	CONT	40/H	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (BETWEEN LINES)		
591878	418141002XE	---	---	.0270/.108		

PERFORMANCE


LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %
NO LOAD	0	16.8	3600	5.35	0
1/4	15.0	22.9	3591	65.8	93.2
2/4	30.0	35.1	3582	84.0	95.3
3/4	45.0	50.0	3573	88.3	95.4
4/4	60.0	66.3	3563	89.2	95.0
5/4	75.0	83.2	3552	89.5	94.3

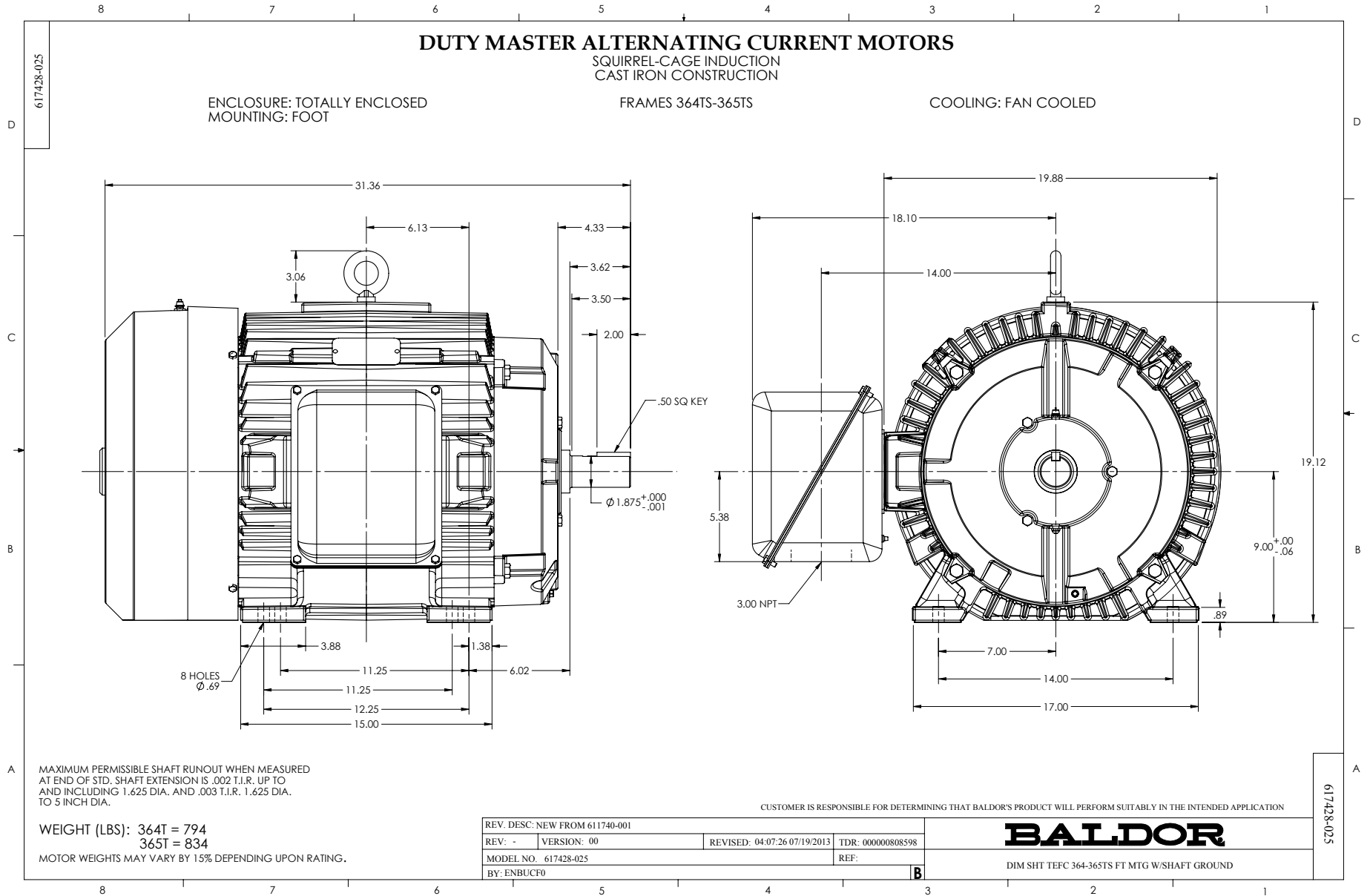
SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	156	138	435
PULL UP	720	130	115	425
BREAKDOWN	3396	283	250	272
FULL LOAD	3563	100	88.4	66.3

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

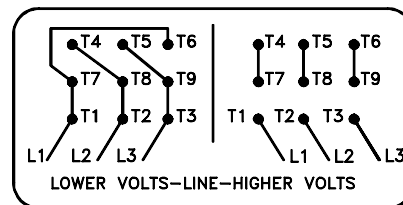
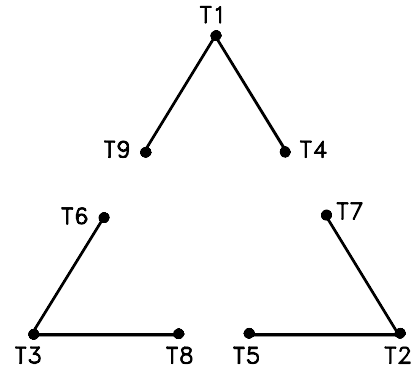
REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.0 PCT.
GUARANTEED MIN. EFF. 94.5 PCT.

 A MEMBER OF THE ABB GROUP	DR. BY G. R. WEBB	A-C MOTOR PERFORMANCE DATA A36WG3648-R004 ISSUE DATE 12/13/11
	CK. BY W. L. SMITH APP. BY W. L. SMITH DATE 12/13/11	



416820-002

A-C MOTOR
 CONNECTION DIAGRAM
 STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\661	REVISED: 10:47:51 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>