



## Product Information Packet

# EM4316T

75HP, 1780RPM, 3PH, 60HZ, 365T, A36068M, TEFC

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A36WG1816	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	617428-032	Poles:	04	Created Date:	11-07-2011
Base:		Eff. Date:	10-12-2017	Leads:	3#4,6#6		

Specs			
Catalog Number:	EM4316T	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	365T	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Output @ Frequency:	75.000 HP @ 60 HZ	KVA Code:	G
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 4 AWG
	460.0 V @ 60 HZ	Motor Type:	A36068M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	87
Agency Approvals:	CCSA US	Pulley End Bearing Type:	Ball
	CSA EEV	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	169.000 A @ 230.0 V	Speed Code:	Single Speed
	84.900 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line

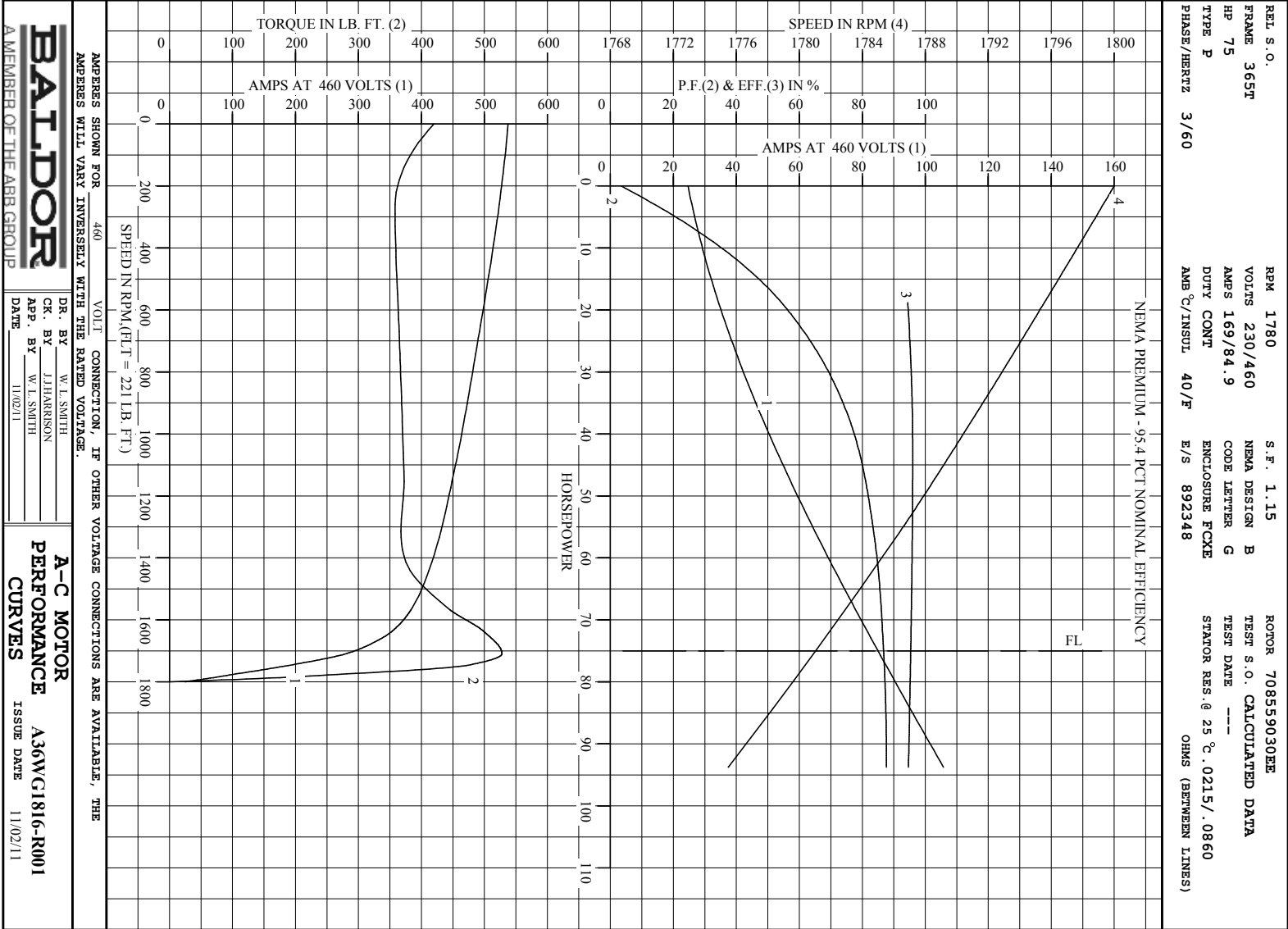
<b>Drip Cover:</b>	No Drip Cover	<b>Thermal Device - Bearing:</b>	None
<b>Duty Rating:</b>	CONT	<b>Thermal Device - Winding:</b>	None

## Nameplate NP2383L

CAT.NO.	EM4316T	SPEC NO.	A36-1115-1816						
HP	75	AMPS	169/84.9	VOLTS	230/460	DESIGN	B		
FRAME	365T	RPM	1780	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	65BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F		
OPP D.E. BEARING	65BC03J30X	TYPE	P	ENCL	TEFC	CODE	G		
SER.NO.		POWER FACTOR	87	NEMA-NOM-EFFICIENCY	95.4				
		MAX CORR KVAR	14.0	GUARANTEED EFFICIENCY	94.5				
NEMA NOM/CSA QUOTED EFF									
	SUIT FOR 208V AT 186 AMPS	MOTOR WEIGHT							

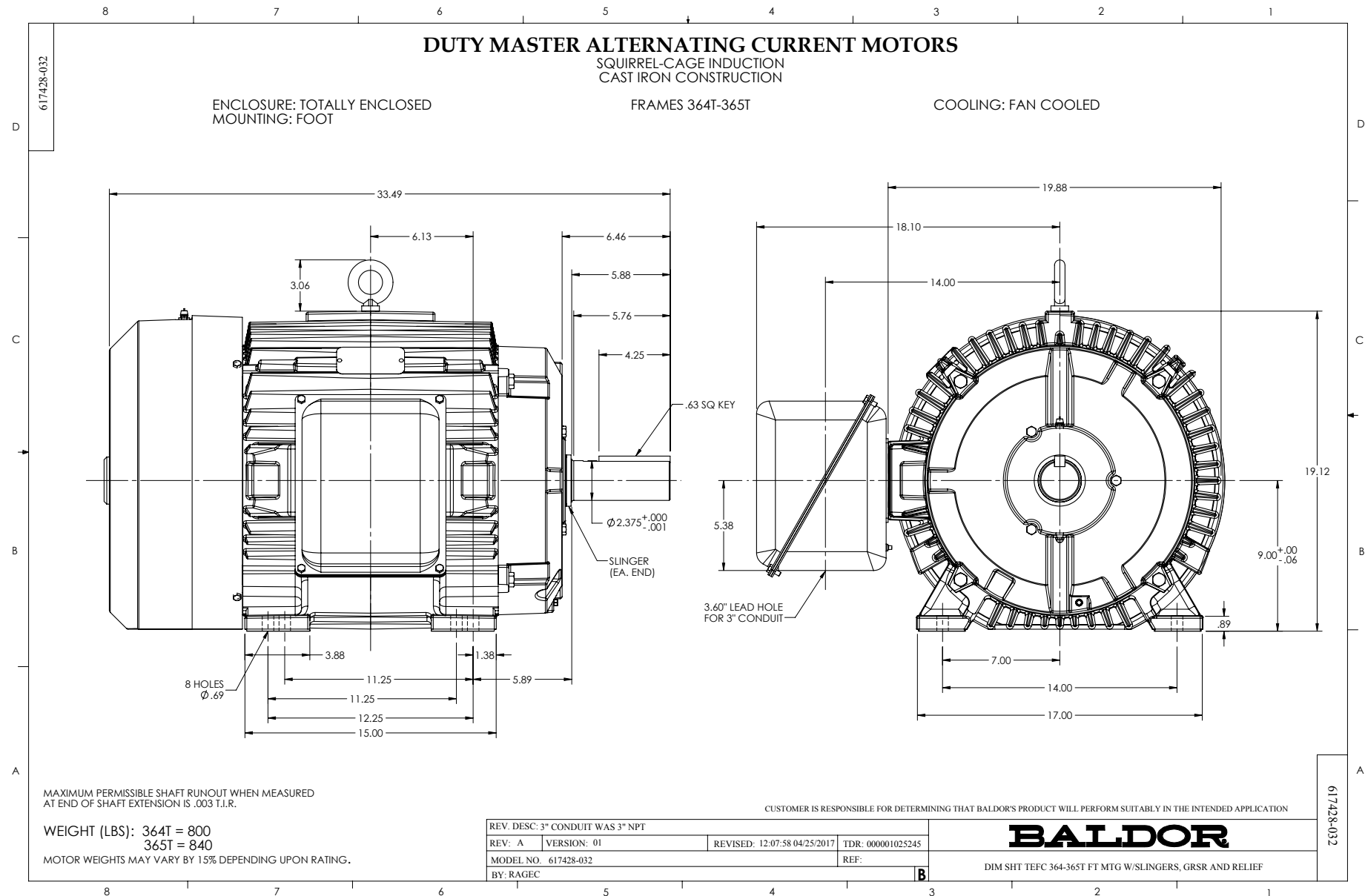
Parts List		
Part Number	Description	Quantity
SA235982	SA A36-1115-1816	1.000 EA
RA222935	RA A36-1115-1816	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
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085922073B	BRKT 360 085922072WCC KB	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
078559001A	+FANCV - 360	1.000 EA
410700004F	WSHR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
702676001C	FAN 360	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
077176000L	C/BOX, 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
402731001A	GASK 360-440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	0.250 GA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
415045002E	SLGR	1.000 EA
415045002E	SLGR	1.000 EA



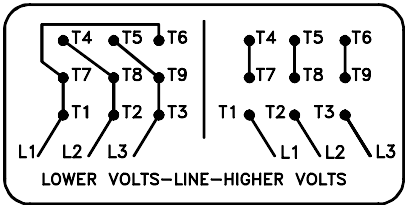
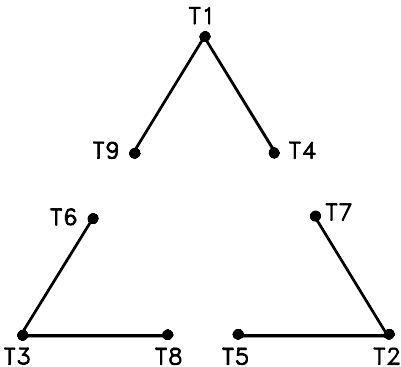
REL. S. O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	75	P	3/60	1780	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
169/84.9	CONT	40/F	1.15	B	G	FCXE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
892348	708559030EE	---	---	.0215/.0860		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	24.7	1800	3.42	0	
1/4	18.8	34.3	1796	54.3	94.4	
2/4	37.5	48.3	1791	75.8	95.9	
3/4	56.2	65.6	1786	83.7	95.9	
4/4	75.0	84.9	1781	86.8	95.4	
5/4	93.8	106	1775	87.6	94.6	
SPEED TORQUE						
	RPM	% TORQUE FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	190	420	538		
PULL UP	270	162	358	523		
BREAKDOWN	1709	239	528	280		
FULL LOAD	1781	100	221	84.9		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: CALCULATED DATA NEMA PREMIUM - 95.4 PCT NOMINAL EFFICIENCY						
<b>BALDOR</b> A MEMBER OF THE ABB GROUP		DR. BY W. L. SMITH CK. BY J. J. HARRISON APP. BY W. L. SMITH DATE 11/02/11		A-C MOTOR PERFORMANCE DATA A36WG1816-R001 ISSUE DATE 11/02/11		





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			<b>BALDOR</b>	
REV. LTR: -	VERSION: 00	TDR: 000000538207		
FILE: \MGA\00000\661		REVISED: 10: 47: 51 04/30/2010	CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED	
MTL: -		BY: RAGRA	SH 1 of 1	

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