

BALDOR® • RELIANCE

Product Information Packet

EM4314TS

60HP,1775RPM,3PH,60HZ,364TS

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG0651	CD Diagram:	416820-002
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617428-076
Frame:	364TS	Mounting:	F1	Poles:	04	Created Date:	11-18-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-26-2016
Leads:	3#4,6#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

CAT.NO.	EM4314TS	SPEC NO.	P36G3431
HP	60	AMPS	136/68
VOLTS	230/460	DESIGN	B
FRAME	364TS	RPM	1780
HZ	60	AMB	40
SF	1.15	INSUL.CLASS	F
DRIVE END BEARING	65BC03J30X	PHASE	3
DUTY	CONT	TYPE	P
OPP D.E. BEARING	65BC03J30X	ENCL	TEFC
CODE	G	POWER FACTOR	87
SER.NO.		NEMA-NOM-EFFICIENCY	95
		MAX CORR KVAR	10.0
		GUARANTEED EFFICIENCY	94.5
NEMA NOM/CSA QUOTED EFF			
SUIT FOR 208V AT 149 AMPS		MOTOR WEIGHT	907

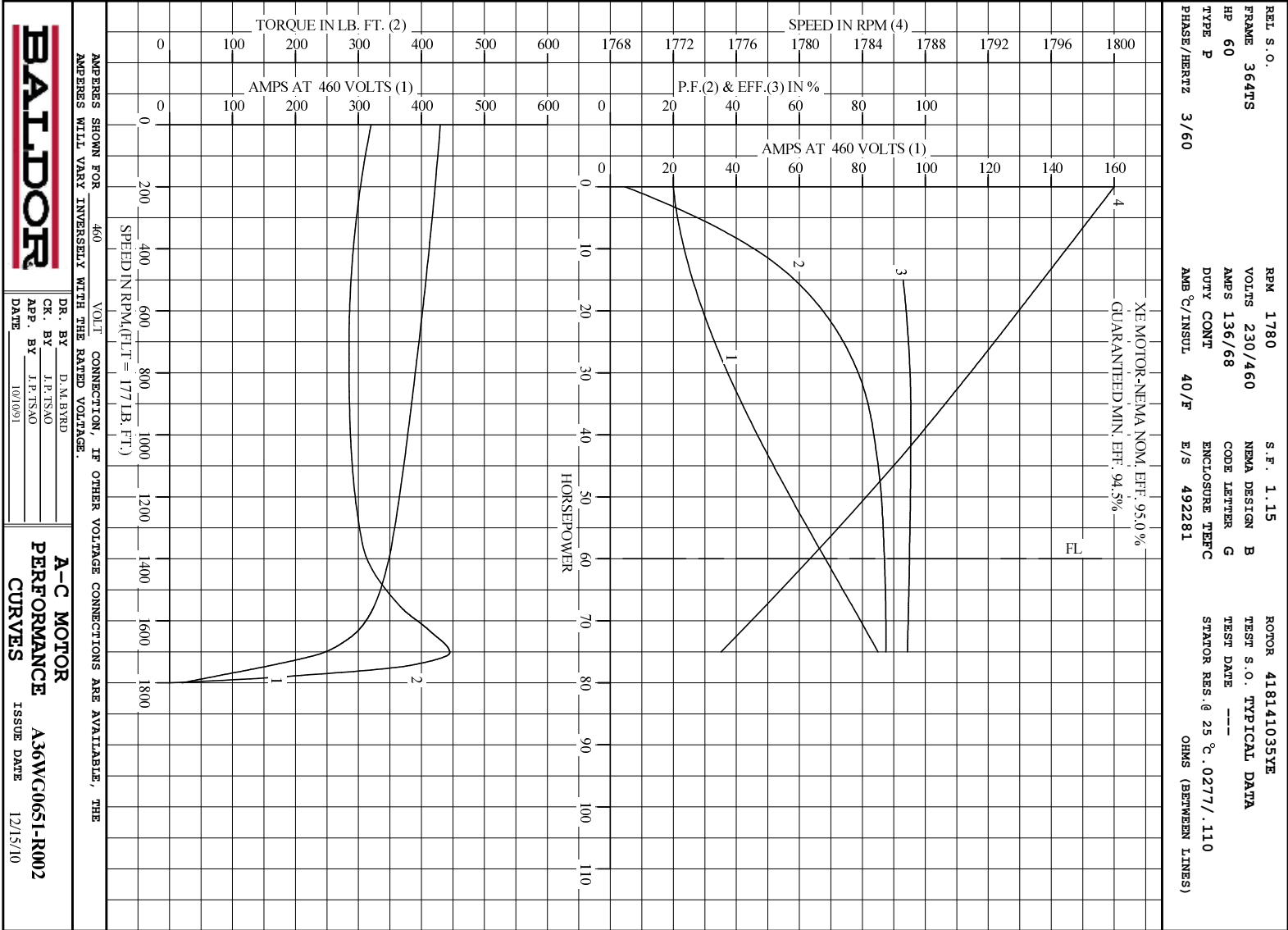
Parts List		
Part Number	Description	Quantity
SA211815	SA P36G3431	1.000 EA
RA199044	RA P36G3431	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.250 GA
004824015A	GREASE POLYREX EM	1.000 LB
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
415045002E	SLGR	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034180016GA	KEY 1/2X1/2X2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA

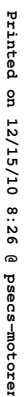
Parts List (continued)		
Part Number	Description	Quantity
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
077176000L	C/BOX, PAINTED 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
078548001K	FAN KB 100/30 (70) 360	1.000 EA
078559001A	+FANCV - 360	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
402731001A	GASK 360-440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
410700004F	WSHR	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA

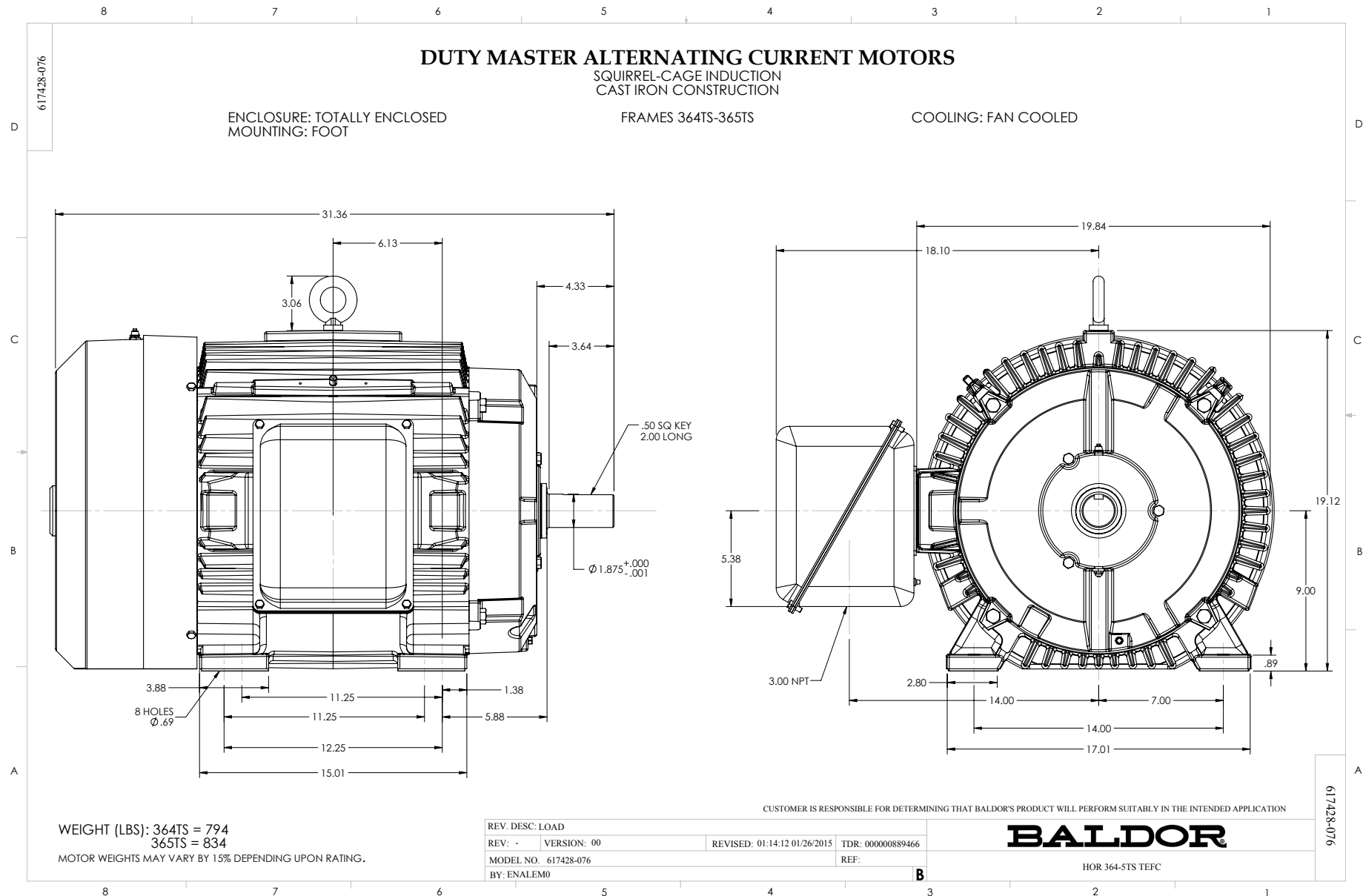
Accessories		
Part Number	Description	Multiplier
K36G2	C-FACE KIT	A8
085922068B	D-FLANGE BRKT 360 085922067WCA	P1

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	1780	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
136/68	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
492281	418141035YE	---	---	.0277/.110		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	20.1	1800	4.67	0	
1/4	15.0	25.8	1795	58.6	93.0	
2/4	30.0	37.5	1791	78.7	95.2	
3/4	45.0	51.9	1786	85.0	95.3	
4/4	60.0	68.0	1781	87.0	95.0	
5/4	75.0	85.1	1775	87.5	94.3	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0	181	320	430		
PULL UP	720	161	285	395		
BREAKDOWN	1703	251	445	244		
FULL LOAD	1781	100	177	68.0		
AMPERES SHOWN FOR 460. 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. 95.0 % GUARANTEED MIN. EFF. 94.5%						
BALDOR		DR. BY D. M. BYRD	A-C MOTOR			
		CK. BY J. P. TSAO	PERFORMANCE			
		APP. BY J. P. TSAO	DATA			
		DATE 10/10/91	ISSUE DATE 12/15/10			

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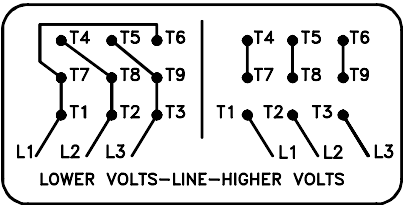
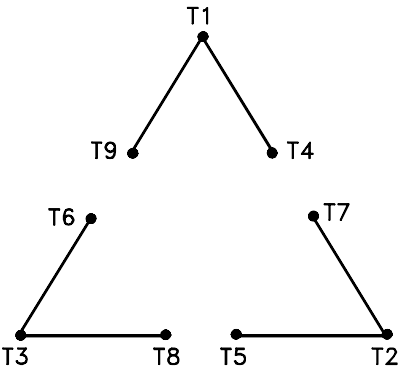






416820-002

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



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR	
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	