

BALDOR® • RELIANCE 

Product Information Packet

CEM4310T

60HP,3550RPM,3PH,60HZ,364TSC,TEFC

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A36WG1724	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	617428-017	Poles:	02	Created Date:	01-13-2011
Base:		Eff. Date:	04-19-2017	Leads:	3#4,6#6		

Specs			
Catalog Number:	CEM4310T	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	364TSC	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Output @ Frequency:	60.000 HP @ 60 HZ	KVA Code:	F
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:	A36048M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	89
Agency Approvals:	CCSA US	Product Family:	Other
	CSA EEV	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Shaft Ground Indicator:	No Shaft Grounding
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Rotation:	Reversible
Current @ Voltage:	134.000 A @ 230.0 V	Speed Code:	Single Speed
	67.300 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line

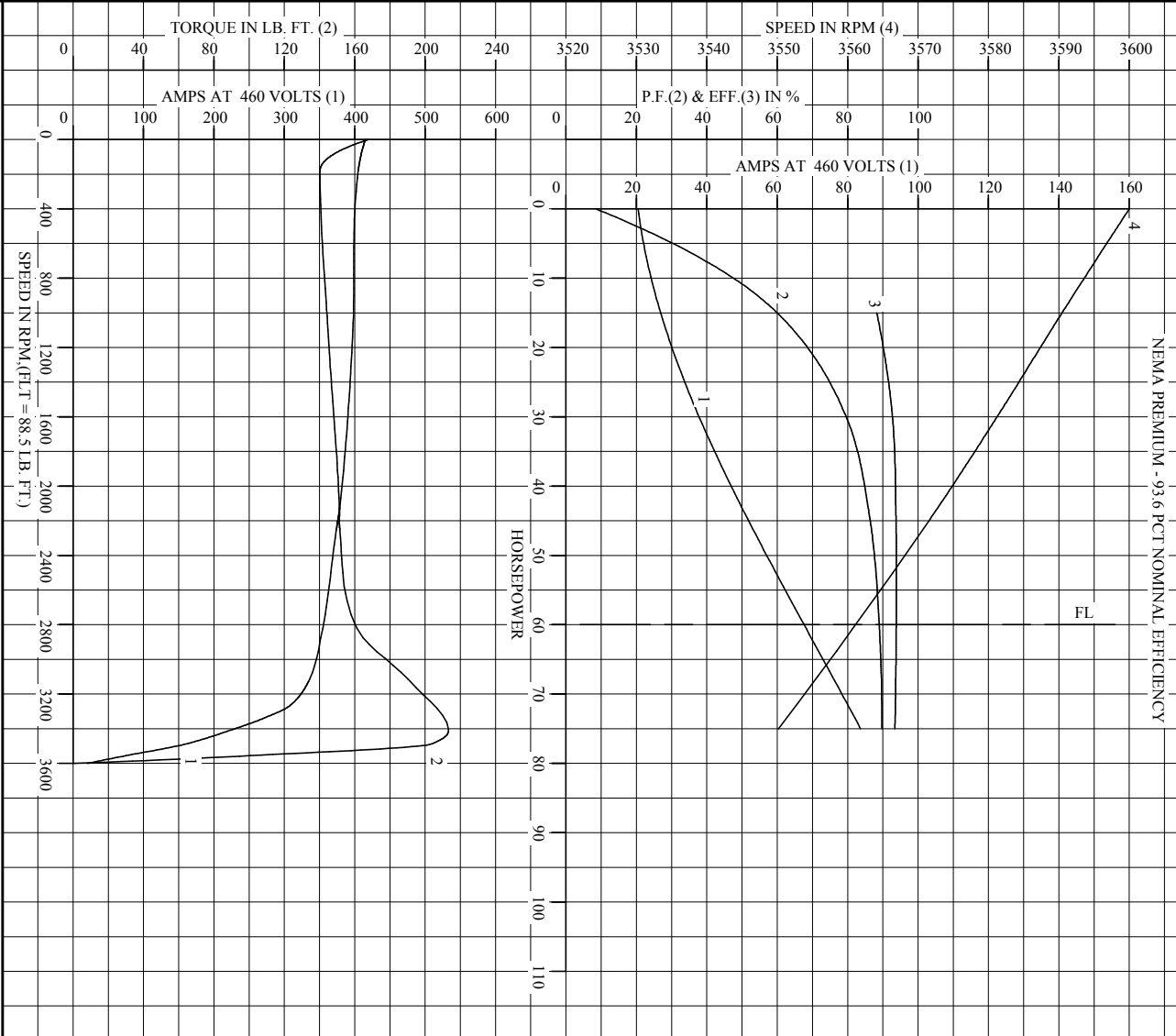
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	NONE (OLD)
Duty Rating:	CONT	Thermal Device - Winding:	None

Nameplate NP2383L										
CAT.NO.	CEM4310T			SPEC NO.	P36G4676					
HP	60	AMPS	135/67.3		VOLTS	230/460		DESIGN	B	
FRAME	364TSC	RPM	3560	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	F	
SER.NO.				POWER FACTOR	89		NEMA-NOM-EFFICIENCY	93.6		
NEMA NOM/CSA QUOTED EFF				MAX CORR KVAR	08.7		GUARANTEED EFFICIENCY	92.4		
				MOTOR WEIGHT	830					

Parts List		
Part Number	Description	Quantity
SA214906	SA P36G4676	1.000 EA
RA202107	RA P36G4676	1.000 EA
421948032	LABEL, MYLAR	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
702675001C	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
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
085922070B	BRKT 360 085922069WCA	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
415045002E	SLGR	1.000 EA
077176000L	C/BOX, 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
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
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
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
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
034180016GA	KEY 1/2X1/2X2 L	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA

REL. S. O. _____ RPM 3560 S.F. 1.15 ROTOR 418141008AE
 FRAME 364T VOLTS 230/460 NEMA DESIGN B TEST S. O. CALCULATED DATA
 HP 60 AMPS 135/67.3 CODE LETTER F TEST DATE ---
 TYPE P DUTY CONT ENCLOSURE FCXE STATOR RES. @ 25 °C .0261/.104
 PHASE/HERTZ 3/60 AMB °C/INSUL 40/F E/S 491520 OHMS (BETWEEN LINES)



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

BALDOR
 A MEMBER OF THE ABB GROUP
 DR. BY W. L. SMITH
 CK. BY J. HARRISON
 APP. BY W. L. SMITH
 DATE 08/19/10
A-C MOTOR PERFORMANCE CURVES
 A36WG1724-R001
 ISSUE DATE 08/19/10

Printed on 7/18/13 16:39 @ ragsun


REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	364T	60	P	3/60	3560	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
135/67.3	CONT	40/F	1.15	B	F	FCXE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (OHMS (BETWEEN LINES))		
491520	418141008AE	---	---	.0261/.104		

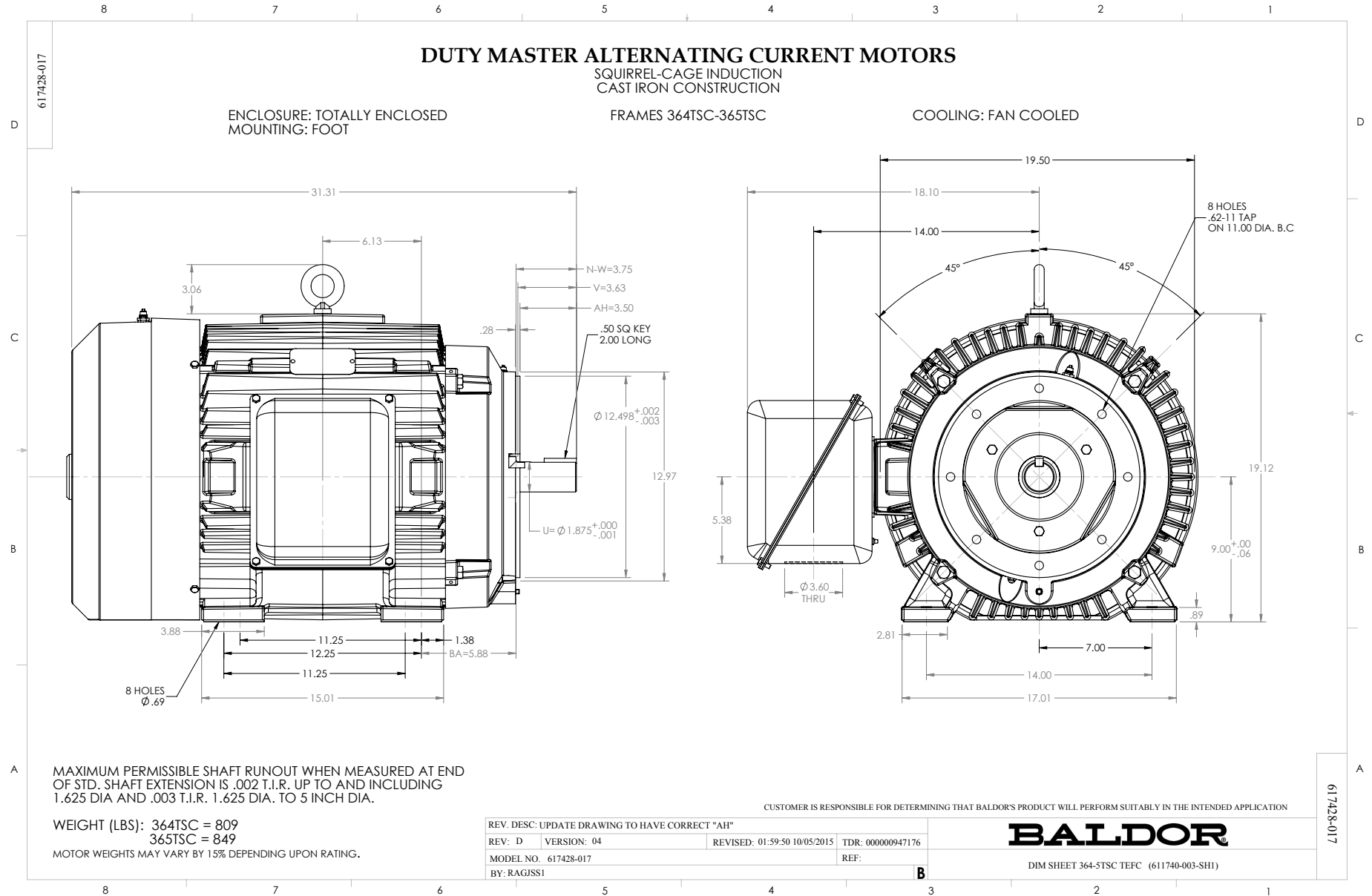
PERFORMANCE					
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %
NO LOAD	0	20.6	3600	8.44	0
1/4	15.0	26.5	3590	60.0	88.3
2/4	30.0	38.1	3581	79.6	92.7
3/4	45.0	52.0	3572	86.4	93.7
4/4	60.0	67.3	3561	89.0	93.8
5/4	75.0	83.8	3550	89.7	93.4

SPEED TORQUE					
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0	190	168	415	
PULL UP	180	159	140	405	
BREAKDOWN	3411	241	213	222	
FULL LOAD	3561	100	88.5	67.3	

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

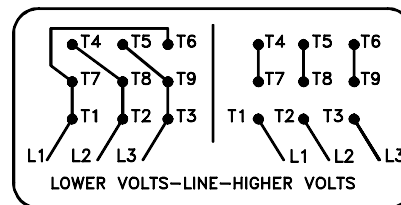
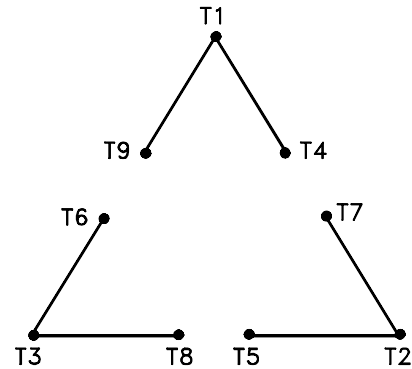
REMARKS: CALCULATED DATA
NEMA PREMIUM - 93.6 PCT NOMINAL EFFICIENCY

 A MEMBER OF THE ABB GROUP	DR. BY W. L. SMITH CK. BY J. J. HARRISON APP. BY W. L. SMITH DATE 08/19/10	A-C MOTOR PERFORMANCE DATA A36WG1724-R001 ISSUE DATE 08/19/10
--	---	--



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