

BALDOR • RELIANCE

Customer information packet

CEM4313T

75HP, 3555RPM, 3PH, 60HZ, 365TSC, A36068M, TEF

Class - None

Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	365TSC
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	161.000 A @ 230.0 V 80.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	80.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F

Part detail

Revision	R
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0107
Layout	617428-018
Eff. date	07-21-2021
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	12-17-2010

Lifting Lugs	Standard Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.31 IN
Power Factor	92
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	No Endplate
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

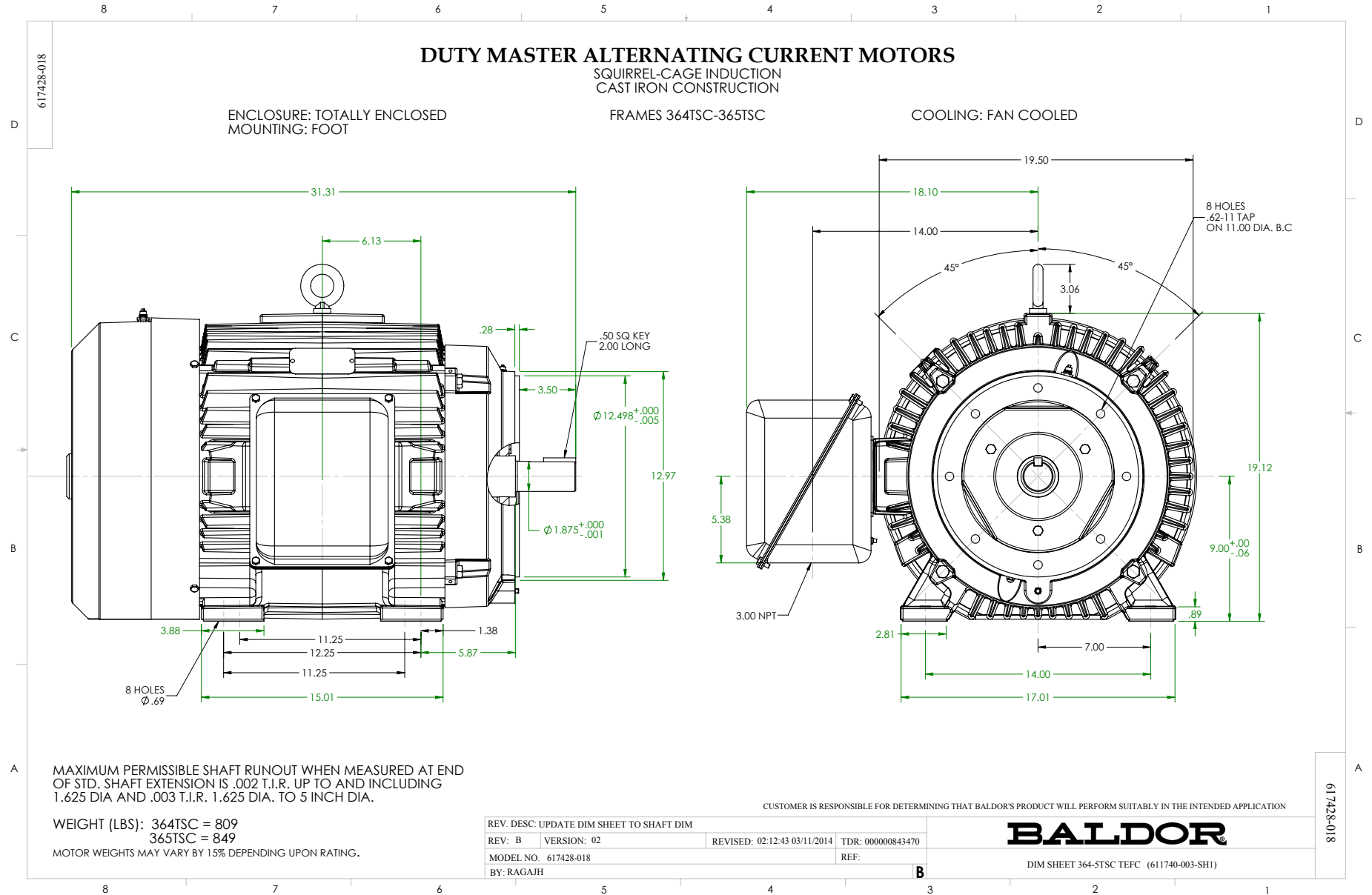
NP3979LUA

CAT #	CEM4313T		SER			CC	010A						
SPEC	P36G4677		RATING	40C AMB-CONT									
HZ	VOLTS		AMPS	RPM	HP	CODE	-	SF	DES	PF	NEMA NOM. EFF		
60	230/460		161/80.7	3555	75	F		1.15	B	92 %	93.6 %		
	-									%	%		
PH	3	CL	F	MAX CORR KVAR	5.00	USABLE AT 208V	N/A	A					
BRG	DE	6313	ODE	6313	ENCL	TEFC	FR	365TSC		54			
GREASE	POLYREX EM				MTR WT	974	LBS						
USABLE AT	50HZ 60HP 190/380V 156/78A				SF1.0								
INVERTER DUTY	CT	15-60	HZ	4:1	VT	3-60	HZ	20:1	CHP	60-75	HZ	1.25:1	1.0 SF VPWM
MAX RPM	4500												

Parts list

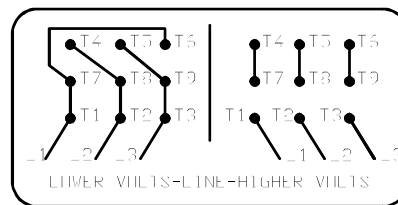
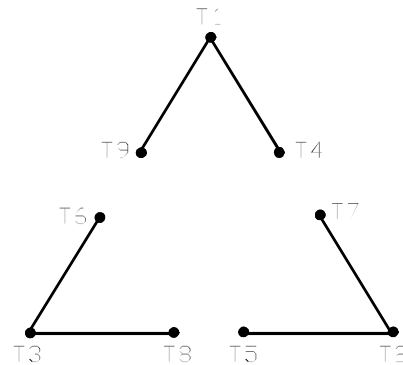
Part number	Description	Quantity
SA213540	SA P36G4677	1.000 ea
RA200760	RA P36G4677	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP3979LUA	SS SUPER-E UR CSA-C-US-EEV NEMA PREM CC	1.000 ea
085922073B	BRKT 360 085922072WCC KB	1.000 ea
415072001B	CLAMP	1.000 ea
078559001A	+FANCV - 360	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
702676001C	FAN 360	1.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	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 Zinc	1.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
412118006A	DRAIN	1.000 ea
412118006A	DRAIN	1.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
085922167A	STD C-FACE BRKT B. E. 360 TEFC 6313 BRG	1.000 ea
415045002E	SLGR	1.000 ea
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	4.000 ea
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 ea
077176000L	C/BOX, PAINTED 440	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
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	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
N424005509DBA	LEAD SET 4-1/6-1 AWG 6-DB 360 FR 54 IN	1.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea



416820-002

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



(N.P. 1575-B)

416820-002

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

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