

BALDOR • RELIANCE

Customer information packet

AEM4311-4

50HP, 1780RPM, 3PH, 60HZ, 365U, 1458M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365U
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	65 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	56.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	56.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M

Part detail

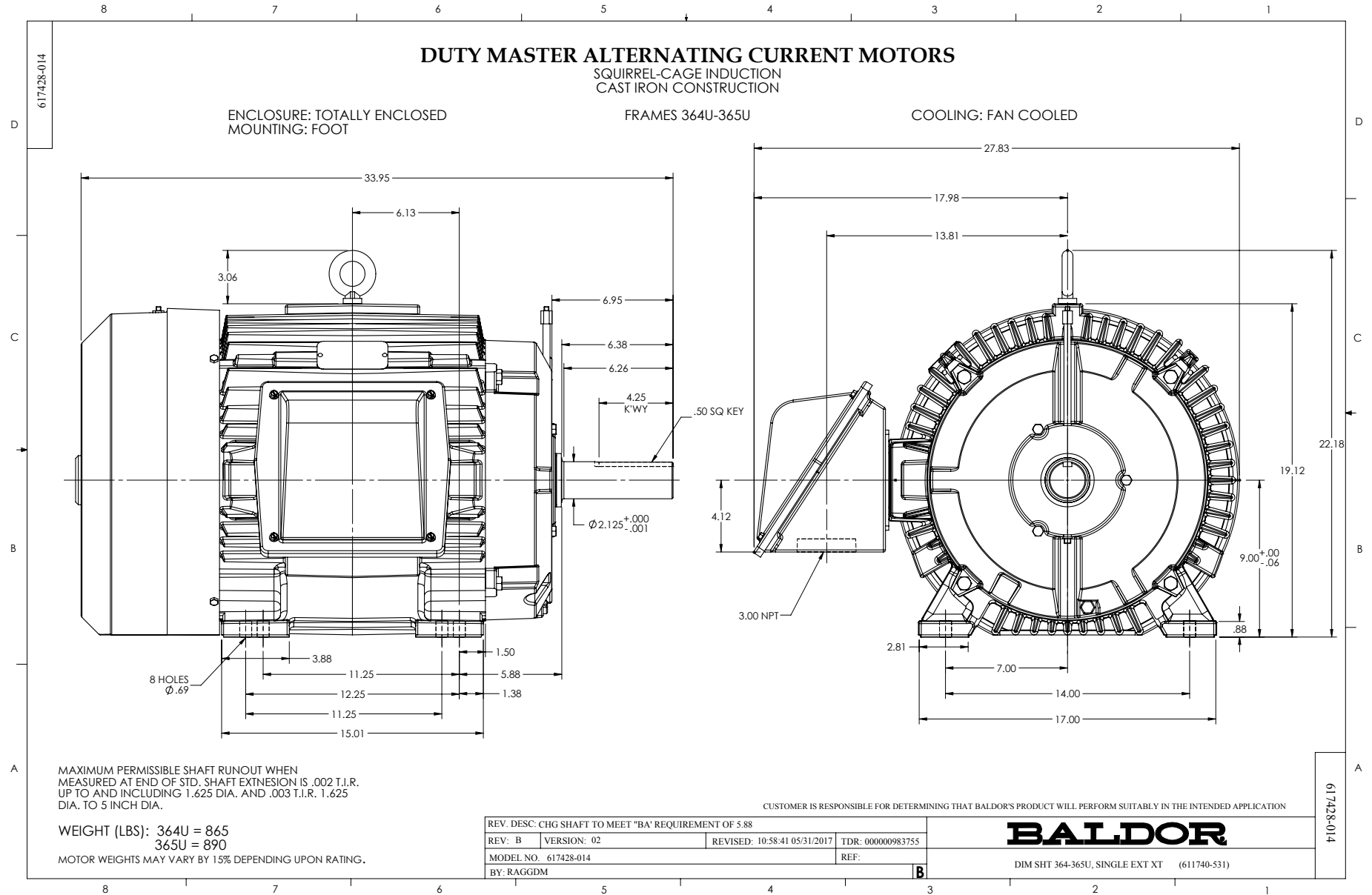
Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1243
Layout	617428-014
Eff. date	06-14-2017
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	07-21-2016

Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.94 IN
Power Factor	88
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	2.124 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2492L

SPEC NO.	P36G3114		CAT.NO.	AEM4311-4			FRAME	365U	
HP	50	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P
RPM	1780	AMPS	56	HZ	60	AMB	65	SF	1.00
DRIVE END BEARING	65BC03JPP30A		LUBRICATION	DUTY		CONT	INSUL.CLASS		F
OPP D.E. BEARING	65BC03JPP30A		MOBIL POLYREX EM		ENCL	TEFC	CODE	G	
AMB	ALERNATE RATING-S.F.		ALTITUDE		NEMA-NOM-EFF		94.5		
65	1.00	3300	GUARANTEED EFFICIENCY		93.6				
SER.NO.									
	MOTOR WEIGHT		915						



416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11:54:06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1