



Customer information packet

ECP84314T-5

60HP, 1780RPM, 3PH, 60HZ, 364T, A3658M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	55.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	55.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part detail

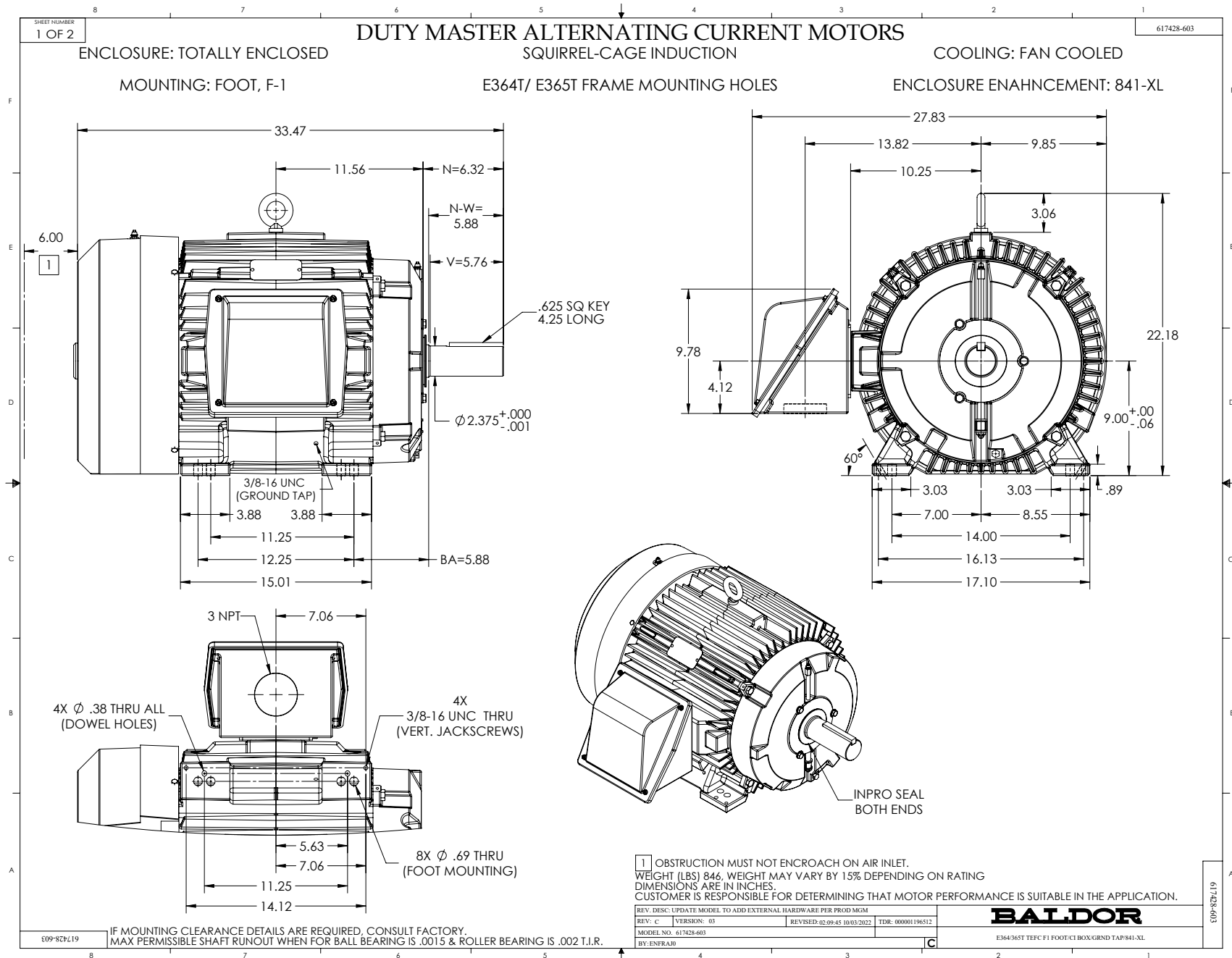
Revision	J
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4086
Layout	617428-603
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	04-26-2021

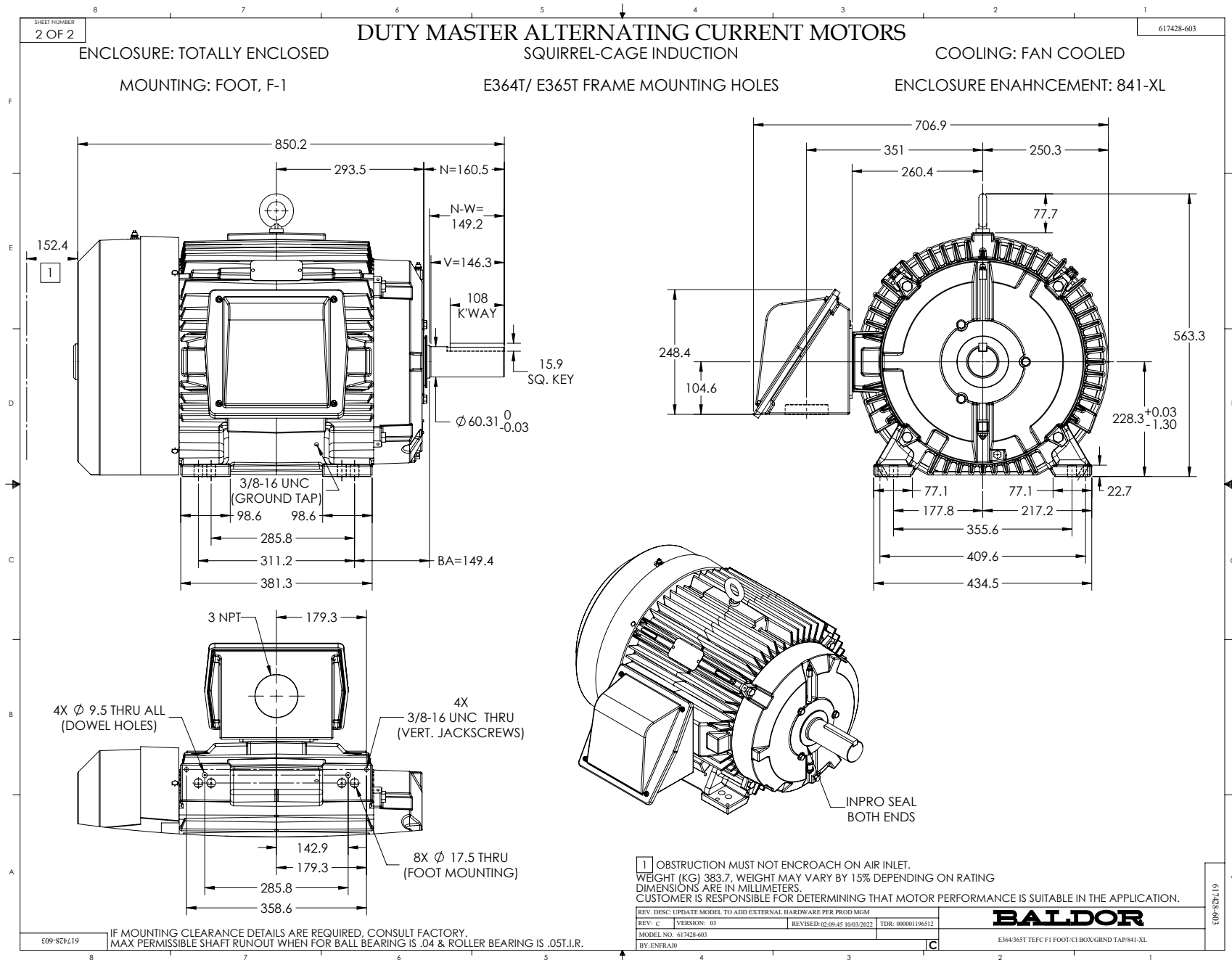
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	None
Motor Type	A3658M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.49 IN
Power Factor	84
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4388														
CAT #	ECP84314T-5						FR	364T		IP56				
SPEC	A36-6000-4086						ENCL	TEFC		DES	B			
HZ	60	PH	3	CL	F	HP	60	SF	1.15	PF	84	%	CODE	G
VOLTS	575					AMPS	55							
RPM	1780		MAX RPM		2700		SER							
NEMA NOM. EFF	95	%		RATING		40C AMB-CONT								
GUAR MIN. EFF	94.1	%		BRG DE		6313			BRG ODE		6313			
CL I DIV 2 GRPS A,B,C,D				CL I ZONE 2 GRPS					IIA,IIB,IIC		TEMP T		3-200	C
CT HZ	15-60		VT HZ		0-60									
CHP HZ	60-90		INV TEMP CL				200	C						
							MTR WT		937	LBS				

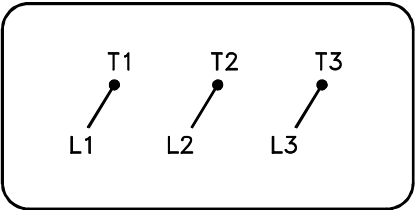
NP4333									
CAT #		ECP84314T-5			ROTOR BARS		47		
SPEC		A36-6000-4086			STATOR SLOTS		60		
SER					MAX CORR KVAR		13.6		
GREASE		POLYREX EM							
ABMA DE BRG		65BC03J30X		ODE	65BC03J30X				
SPACE HEATER LEADS H1-H2:				TIE LIKE NUMBERS			TOGETHER		
MAX. SPACE HEATER TEMP.			C	V			A		W





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
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