



Customer information packet

ECP4314T-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	10-60
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
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	55.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part detail

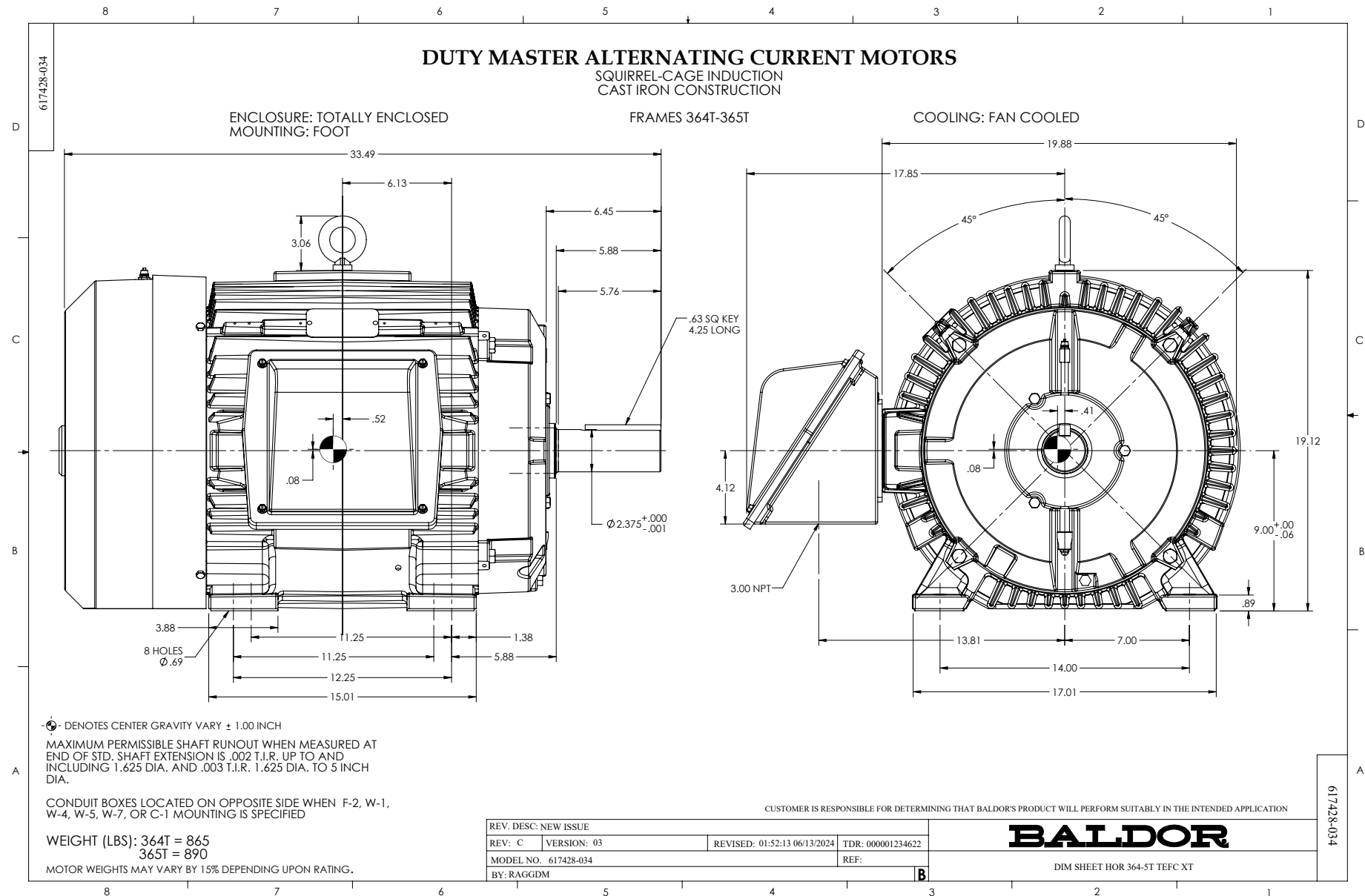
Revision	AA
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG4086
Layout	617428-034
Eff. date	02-13-2025
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	10-19-2010

Lifting Lugs	No Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
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	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

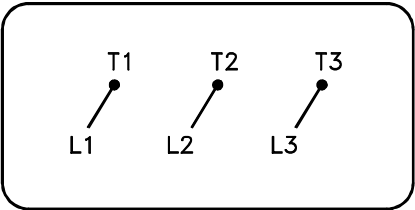
NP4033LUA

CAT #		ECP4314T-5				SER					CC		010A												
SPEC		P36G3423				RATING		40C AMB-CONT																	
HZ		VOLTS		AMPS		RPM		HP		CODE		G	SF	DES	PF	NEMA NOM. EFF									
60		575		55		1780		60		G			1.15	B	84	%	95	%							
																%		%							
PH	3	CL	F	MAX RPM		2700		MAX CORR KVAR		13.6															
BRG		DE		6313		ODE		6313		ENCL		TEFC		FR		364T		IP		55					
GREASE		POLYREX EM									MTR WT		869		LBS										
				CL I DIV 2 GRPS A,B,C,D				CL I ZONE 2 GRPS				IIA,IIB,IIC				TEMP T		200		C					
INV READY		CT		15-60		HZ		4:1		VT		0-60		HZ		1000:1		CHP		60-90		HZ		1.5:1	
INV TEMP CL		200		C		USABLE AT		N/A																	



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			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	