

ABB BALDOR RELIANCE III

Customer information packet

ECP4310T-4

60HP, 3560RPM, 3PH, 60HZ, 364TS, A36056M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	364TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI 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	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 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	6-60
Current @ Voltage	65.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	65.1 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	AC
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0130
Layout	617428-036
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	02
Leads	3#4
Proprietary	False
Created date	10-19-2010

KVA Code	F
Lifting Lugs	No Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.37 IN
Power Factor	90
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

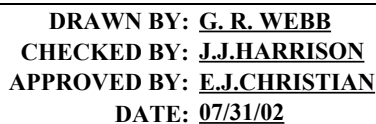
Nameplate
NP4033LUA

CAT #	ECP4310T-4					SER				CC	010A					
SPEC	P36G397					RATING	40C AMB-CONT									
HZ	VOLTS			AMPS			RPM	HP	CODE	-	SF	DES	PF	NEMA NOM. EFF		
60	460			65.1			3560	60	F		1.15	B	90	%	95	%
														%		%
PH	3	CL	F	MAX RPM	4500	MAX CORR KVAR			5							
BRG	DE	6313		ODE	6313	ENCL	TEFC		FR	364TS		IP	55			
GREASE	POLYREX EM								MTR WT		883	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	0.7-60		HZ	1000:1	VT	0-60		HZ	1000:1		CHP	60-75		HZ	1.25:1
INV TEMP CL	200	C		USABLE AT	50HZ 50HP 380V 66A								SF1.0			

Accessories

Part number	Description	Multiplier
K36G2	C-FACE KIT	A8

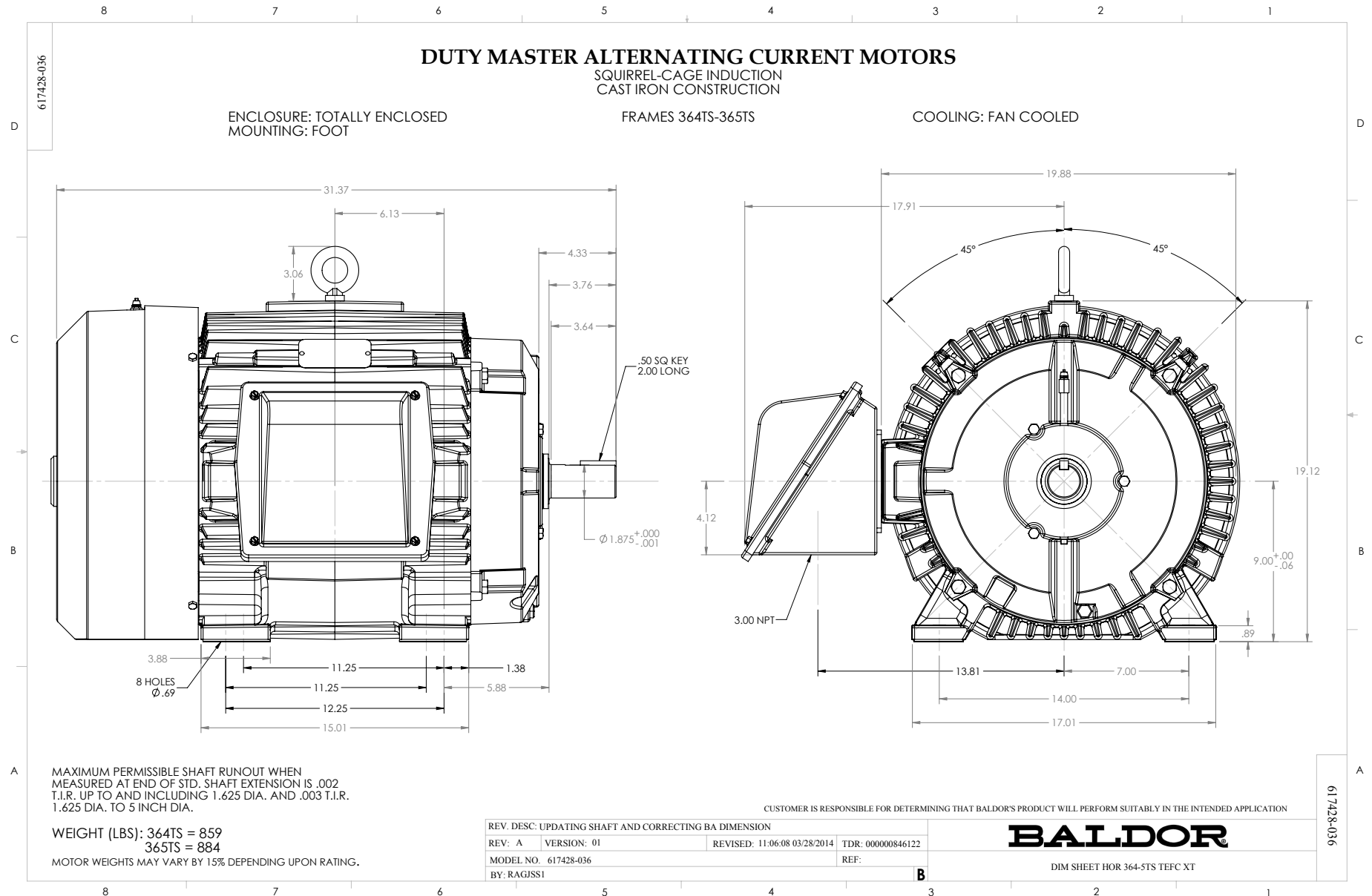
ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							ECP4310T-4 - 60HP, 3560RPM, 3PH, 60HZ, 364TS, A36056M, TEFC						
S/O			FRAME			HP			TYPE			PHASE/ HERTZ			RPM			VOLTS		
			364			60			P			3/60			3560			460		
AMPS			DUTY			AMB °C/ INSUL			S.F.			NEMA DESIGN			CODE LETTER			ENCLOSURE		
65.1			CONT			40/F			1.15			B			G			TEFC		
E/S			ROTOR			TEST S.O.			TEST DATE			STATOR RES. @25 °C OHMS (BETWEEN LINES)								
491282			418141005XE			---			---			.101								
PERFORMANCE																				
LOAD			HP			AMPERES			RPM			% POWER FACTOR			% EFFICIENCY					
NO LOAD			0			14.1			3600			6.54			0					
1/4			15.0			20.8			3590			72.8			93.1					
2/4			30.0			33.4			3580			88.2			95.3					
3/4			45.0			48.6			3570			90.7			95.5					
4/4			60.0			65.1			3559			90.7			95.1					
5/4			75.0			82.2			3547			90.3			94.5					
SPEED TORQUE																				
						RPM			TORQUE % FULL LOAD			TORQUE LB.-FT.			AMPERES					
LOCKED ROTOR						0			203			180			435					
PULL UP						1565			176			156			355					
BREAKDOWN						3397			233			206			212					
FULL LOAD						3559			100			88.5			65.1					
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.																				
TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 95.0 % GUARANTEED MIN. EFF. 94.1%																				
						DRAWN BY: <u>G. R. WEBB</u> CHECKED BY: <u>J.J.HARRISON</u> APPROVED BY: <u>E.J.CHRISTIAN</u> DATE: <u>07/31/02</u>						AC MOTOR PERFORMANCE DATA			A36WG0130-R006 DATE ISSUED 05/13/21					



AC MOTOR PERFORMANCE DATA

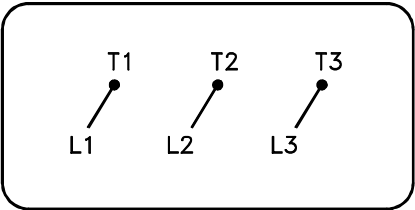
A36WG0130-R006

ISSUE DATE 05/13/21



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