

ABB BALDOR RELIANCE III

Customer information packet

ECP4310T

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	230.0 V @ 60 HZ 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	65.400 A @ 460.0 V 145.000 A @ 208.0 V 131.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	65.4 a

Part Detail

Revision	AA
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0224
Layout	617428-036
Eff. date	08-26-2024
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
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	91
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	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate
NP4033LUA

CAT #		ECP4310T					SER				CC		010A								
SPEC		P36G401					RATING		40C AMB-CONT												
HZ		VOLTS			AMPS			RPM		HP		CODE		-	SF	DES	PF	NEMA NOM. EFF			
60		230/460			131/65.4			3555		60		G		1.15		B		91	%	94.5	%
																		%		%	
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		851		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	3-60	HZ	20:1		CHP		60-75		HZ	1.25:1			
INV TEMP CL			200	C	USABLE AT		50HZ 40HP 190/380V 120/65A								SF1.0						
SFA 151/75.5																					

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							ECP4310T - 60HP, B560RPM, 3PH, 60HZ, 364TS, A36056M, TEFC																																		
S/O			FRAME			HP			TYPE			PHASE/ HERTZ			RPM			VOLTS																														
			364			60			P			3/60			3555			230/460																														
AMPS							DUTY							AMB °C/ INSUL							S.F.							NEMA DESIGN							CODE LETTER							ENCLOSURE						
131/65.4							CONT							40/F							1.15							B							G							TEFC						
E/S							ROTOR							TEST S.O.							TEST DATE							STATOR RES. @25 °C OHMS (BETWEEN LINES)																				
491281							418141005XE							---							---							.0254/.101																				
PERFORMANCE																																																
LOAD							HP							AMPERES							RPM							% POWER FACTOR							% EFFICIENCY													
NO LOAD							0							14.1							3600							7.60							0													
1/4							15.0							20.9							3589							73.2							92.1													
2/4							30.0							33.6							3579							88.4							94.7													
3/4							45.0							48.8							3567							90.8							95.0													
4/4							60.0							65.4							3555							90.7							94.6													
5/4							75.0							82.7							3542							90.4							94.0													
SPEED TORQUE																																																
										RPM							TORQUE % FULL LOAD							TORQUE LB.-FT.							AMPERES																	
LOCKED ROTOR										0							205							182							431																	
PULL UP										1565							178							157							352																	
BREAKDOWN										3386							232							205							212																	
FULL LOAD										3555							100							88.6							65.4																	
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. 94.5 % GUARANTEED MIN. EFF. 93.6%																																																
										DRAWN BY: <u>W. L. SMITH</u> CHECKED BY: <u>G. R. WEBB</u> APPROVED BY: <u>E.J. CHRISTIAN</u> DATE: <u>03/11/02</u>										AC MOTOR PERFORMANCE DATA							A36WG0224-R004 DATE ISSUED 01/11/22																					

FRAME 364

RPM 3555

S.F. 1.15

ROTOR 418141005XE

HP 60

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 131/65.4

CODE LETTER G

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

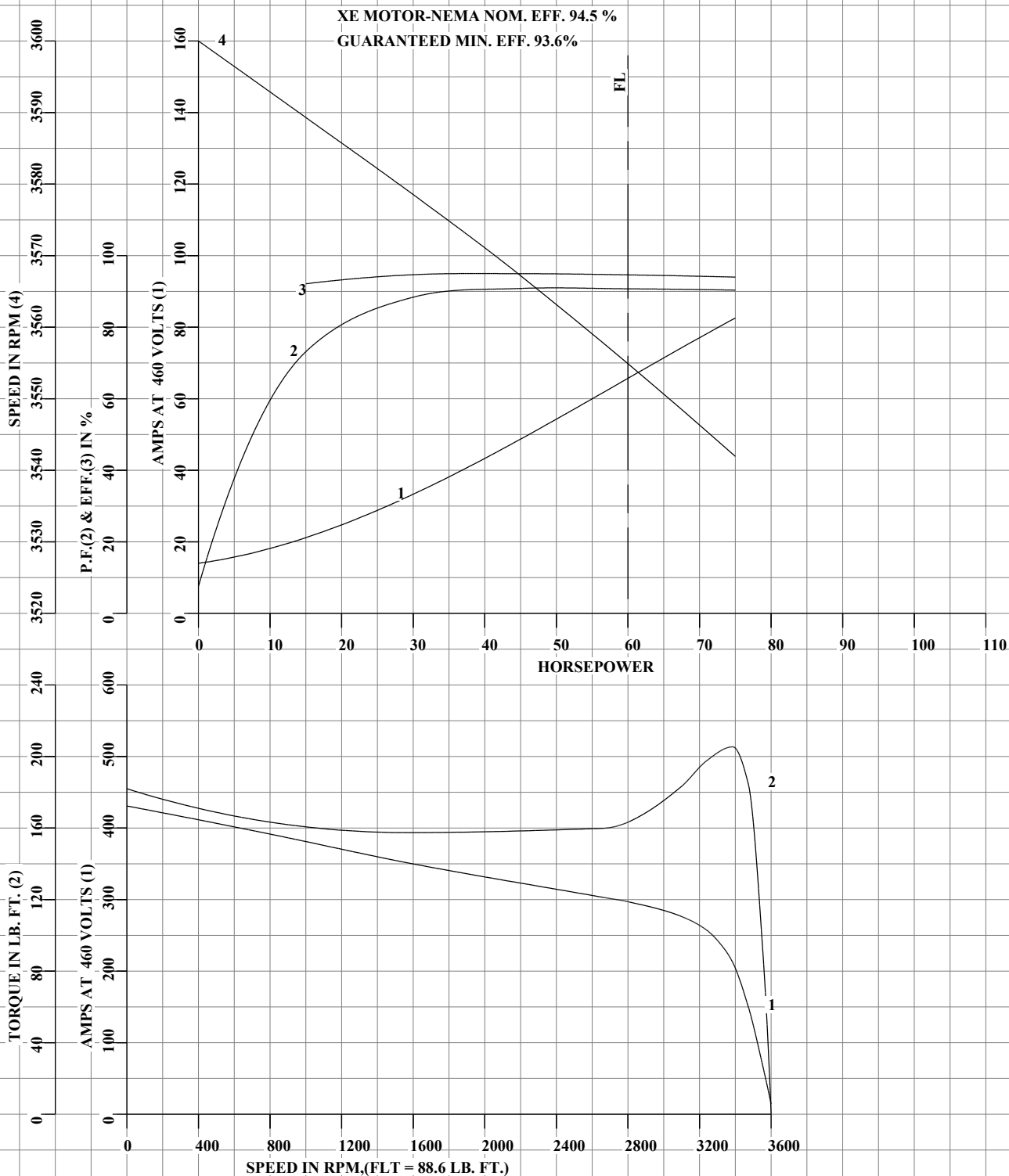
ENCLOSURE TEFC

STATOR RES. @ 25°C .0254/.101

AMB °C / INSUL 40/F

E/S 491281

OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

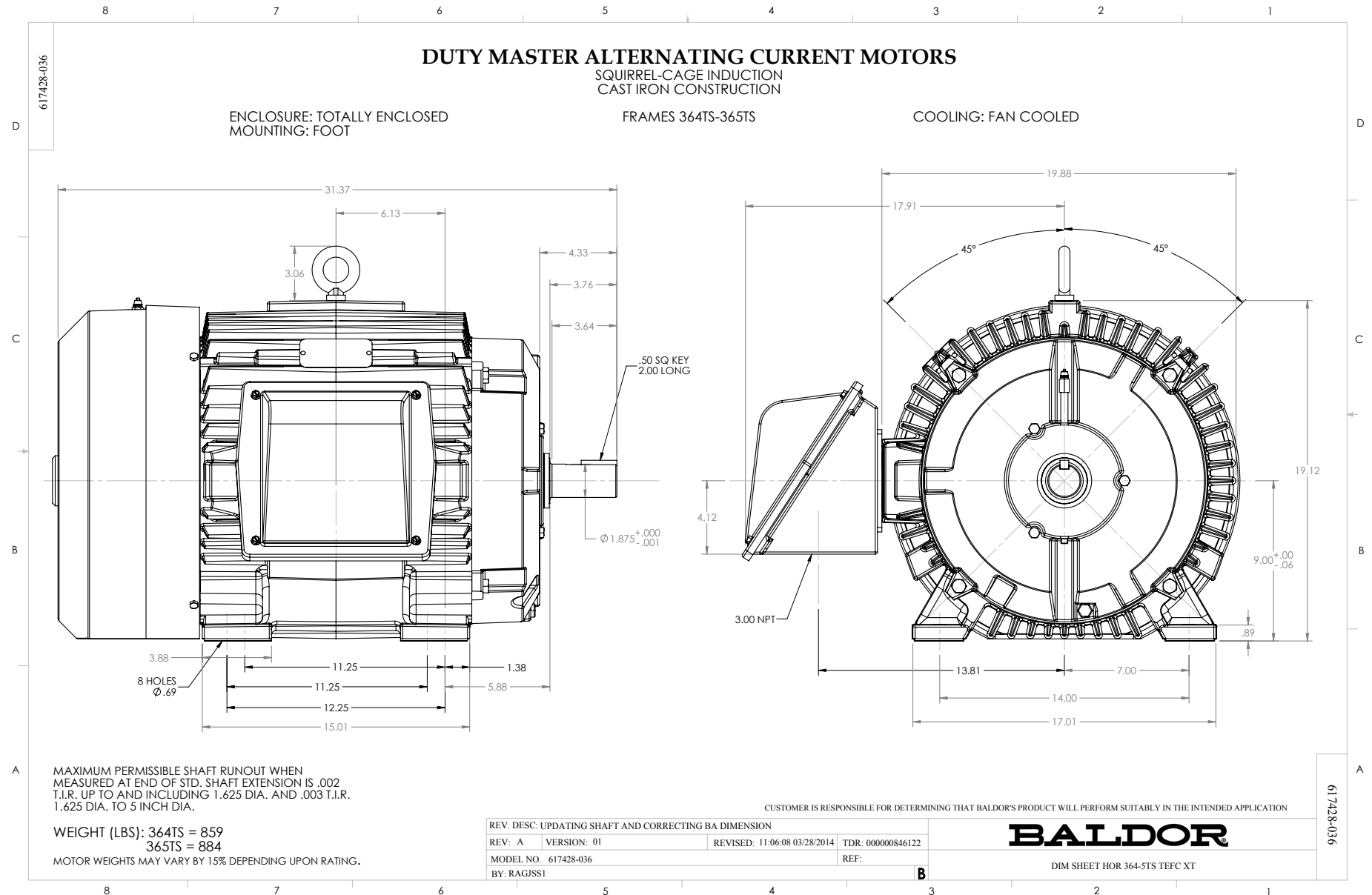


DRAWN BY: W. L. SMITH
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DATE: 03/11/02

AC MOTOR
PERFORMANCE
DATA

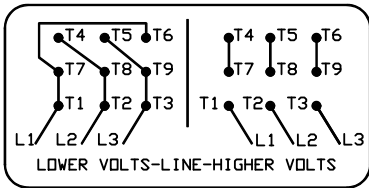
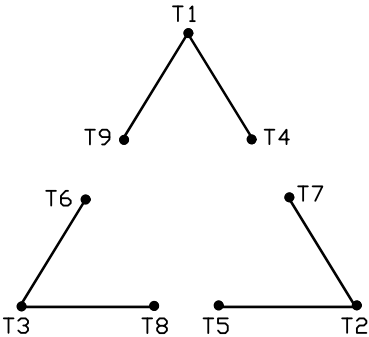
A36WG0224-R004

ISSUE DATE 01/11/22



416820-002

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



(N. P. 1575-B)

416820-002

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: -	© □	



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED
SH1 of 1