

ABB BALDOR RELIANCE III

Customer information packet

CECP4312T

50HP, 1185RPM, 3PH, 60HZ, 365TC, A36062M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365TC
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	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	61.700 A @ 460.0 V 135.000 A @ 208.0 V 123.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	61.7 a

Part Detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0466
Layout	617428-136
Eff. date	08-26-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	11-27-2013

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.44 IN
Power Factor	81
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA																		
CAT #		CECP4312T				SER				CC		010A						
SPEC		A36-4049-0466				RATING		40C AMB-CONT										
HZ		VOLTS		AMPS		RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF				
60		230/460		123/61.7		1185		50	F		1.15	B	81	%	94.1	%		
													%		%			
PH	3	CL	F	MAX RPM		1800	MAX CORR KVAR		14									
BRG		DE	6313		ODE	6313		ENCL	TEFC	FR	365TC		IP	55				
GREASE		POLYREX EM									MTR WT		893	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	60-90		HZ	1.5:1
INV TEMP CL			200	C	USABLE AT		50HZ 40HP 190/380V 120/60A							SF1.0				

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							CECP4312T - 50HP, 1185RPM, 3PH, 60HZ, 365TC, A36062M, TEFC						
S/O			FRAME			HP			TYPE			PHASE/ HERTZ			RPM			VOLTS		
			365T			50			P			3/60			1185			230/460		
AMPS			DUTY			AMB °C/ INSUL			S.F.			NEMA DESIGN			CODE LETTER			ENCLOSURE		
123/61.7			CONT			40/F			1.15			B			F			TEFC		
E/S			ROTOR			TEST S.O.			TEST DATE			STATOR RES. @25 °C OHMS (BETWEEN LINES)								
892104			418141-74EE			---			---			.0325/.130								
PERFORMANCE																				
LOAD			HP			AMPERES			RPM			% POWER FACTOR			% EFFICIENCY					
NO LOAD			0			21.3			1200			5.08			0					
1/4			12.5			26.2			1197			49.4			90.8					
2/4			25.0			35.6			1193			70.0			93.9					
3/4			37.5			47.8			1190			77.8			94.4					
4/4			50.0			61.7			1186			80.6			94.2					
5/4			62.5			76.7			1182			81.5			93.6					
SPEED TORQUE																				
						RPM			TORQUE % FULL LOAD			TORQUE LB.-FT.			AMPERES					
LOCKED ROTOR						0			154			340			345					
PULL UP						650			133			295			305					
BREAKDOWN						1133			230			510			191					
FULL LOAD						1186			100			221			61.7					
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. 94.1 PCT. GUARANTEED MIN. EFF. 93.0 PCT.																				
						DRAWN BY: <u>W. L. SMITH</u> CHECKED BY: <u>J.J.HARRISON</u> APPROVED BY: <u>W. L. SMITH</u> DATE: <u>12/07/05</u>						AC MOTOR PERFORMANCE DATA			A36WG0466-R003 DATE ISSUED 12/14/10					

FRAME 365T

RPM 1185

S.F. 1.15

ROTOR 418141-74EE

HP 50

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 123/61.7

CODE LETTER F

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

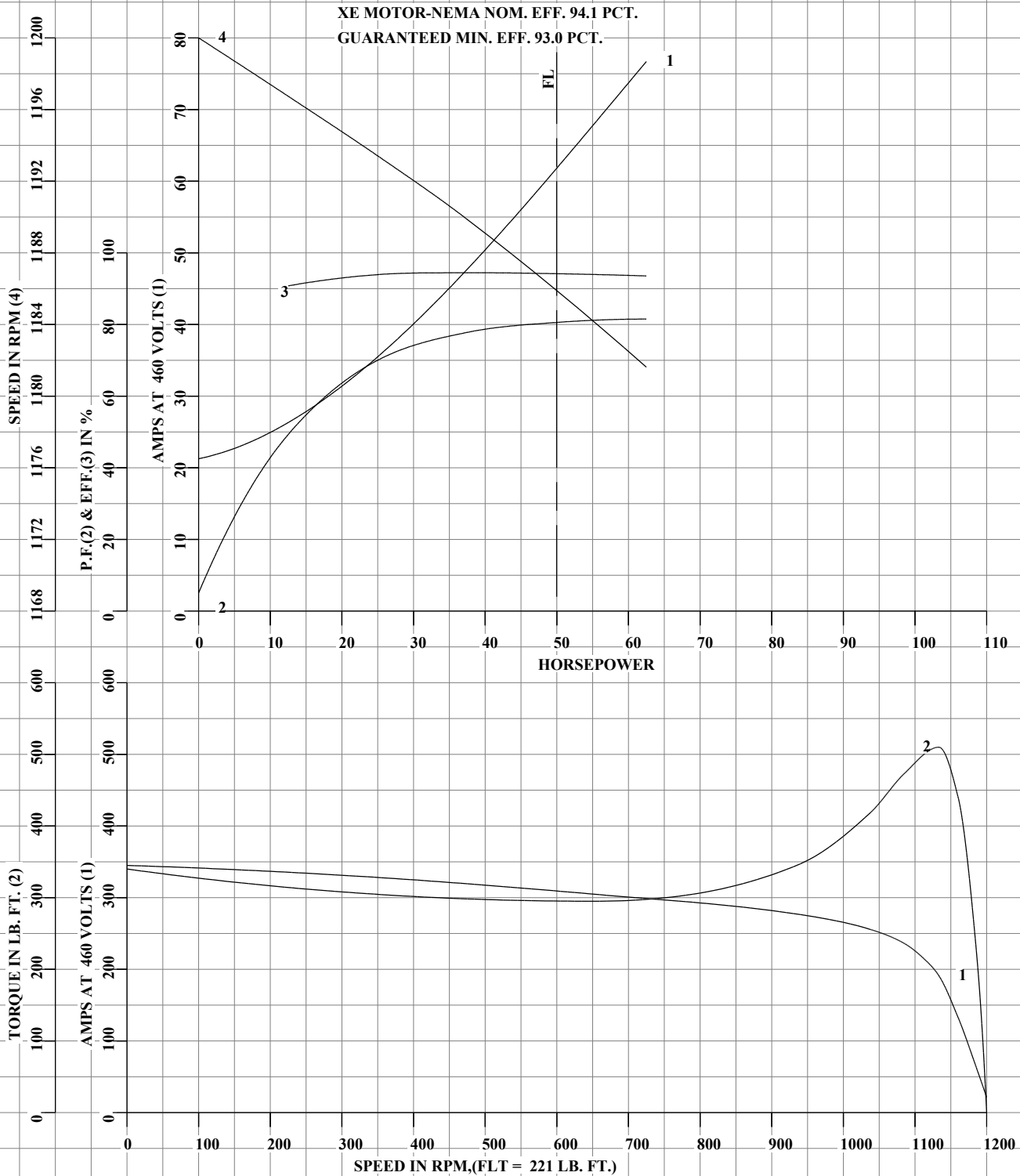
ENCLOSURE TEFC

STATOR RES. @ 25°C .0325/.130

AMB °C / INSUL 40/F

E/S 892104

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.

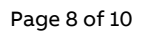


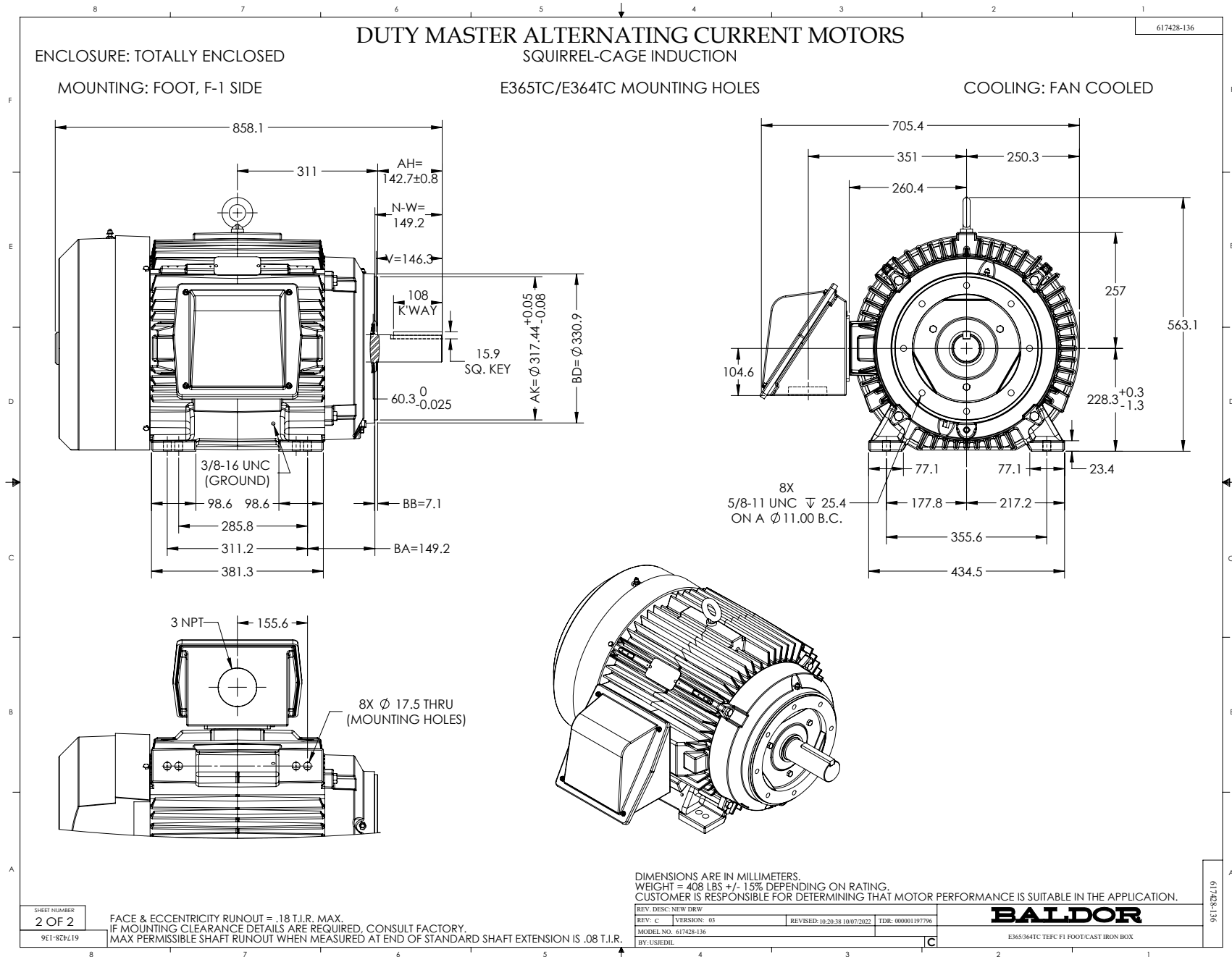
DRAWN BY: W. L. SMITH
CHECKED BY: J.J.HARRISON
APPROVED BY: W. L. SMITH
DATE: 12/07/05

AC MOTOR
PERFORMANCE
DATA

A36WG0466-R003

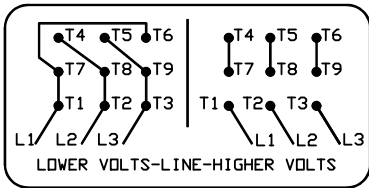
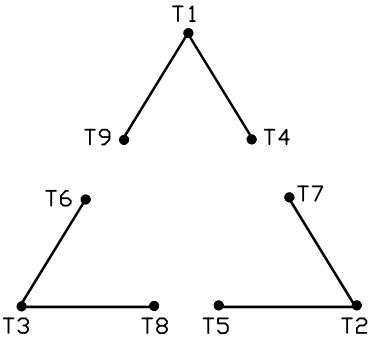
ISSUE DATE 12/14/10





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