

ABB BALDOR RELIANCE III

Customer information packet

CECP4308T

40HP, 1190RPM, 3PH, 60HZ, 364TC, A36062M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	364TC
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	40.000 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	98.800 A @ 230.0 V 49.400 A @ 460.0 V 109.000 A @ 208.0 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	49.4 a

Part Detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0747
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	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 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	80
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	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA																		
CAT #		CECP4308T				SER				CC		010A						
SPEC		A36-4050-0747				RATING		40C AMB-CONT										
HZ		VOLTS		AMPS		RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF				
60		230/460		98.8/49.4		1190		40	G		1.15	B	80	%	94.1	%		
														%		%		
PH	3	CL	F	MAX RPM		2700	MAX CORR KVAR			12								
BRG		DE	6313		ODE	6313		ENCL	TEFC	FR	364TC		IP	55				
GREASE		POLYREX EM								MTR WT		889	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 30HP 190/380V 98/49A							SF1.0				

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							CECP4308T - 40HP, 1190RPM, 3PH, 60HZ, 364TC, A36062M, TEFC																																		
S/O			FRAME			HP			TYPE			PHASE/ HERTZ			RPM			VOLTS																														
			364TC			40			P			3/60			1190			230/460																														
AMPS							DUTY							AMB °C/ INSUL							S.F.							NEMA DESIGN							CODE LETTER							ENCLOSURE						
98.8/49.4							CONT							40/F							1.15							B							G							TEFC						
E/S							ROTOR							TEST S.O.							TEST DATE							STATOR RES. @25 °C OHMS (BETWEEN LINES)																				
491378							418141-74EE							---							---							.0380/.152																				
PERFORMANCE																																																
LOAD							HP							AMPERES							RPM							% POWER FACTOR							% EFFICIENCY													
NO LOAD							0							17.7							1200							5.41							0													
1/4							10.0							21.6							1197							48.3							90.0													
2/4							20.0							29.0							1194							69.0							93.6													
3/4							30.0							38.6							1191							77.2							94.3													
4/4							40.0							49.4							1188							80.5							94.2													
5/4							50.0							61.0							1184							81.9							93.7													
SPEED TORQUE																																																
														RPM							TORQUE % FULL LOAD							TORQUE LB.-FT.							AMPERES													
LOCKED ROTOR														0							158							280							290													
PULL UP														480							136							241							270													
BREAKDOWN														1135							243							430							167													
FULL LOAD														1188							100							177							49.4													
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.																																																
TYPICAL DATA																																																
														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							A36WG0747-R004 DATE ISSUED 02/25/14													

FRAME 364TC

HP 40

TYPE	P
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
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97	0.0000
98	0.0000
99	0.0000
100	0.0000

PHASE / HERTZ 3/60

CUSTOMER INFORMATION PACKET

VOLTS 230/460

AMPS 98.8/49.4

DUTY CONT

AMB °C / INSUL 40/F

CECP4308T - 40HP, 1190RPM, 3PH, 60HZ, 364TC, A360G2M, TEFC

4308T - 4915

NEMA DESIGN B

CODE LETTER G

ENCLOSURE TEFC

E/S 491378

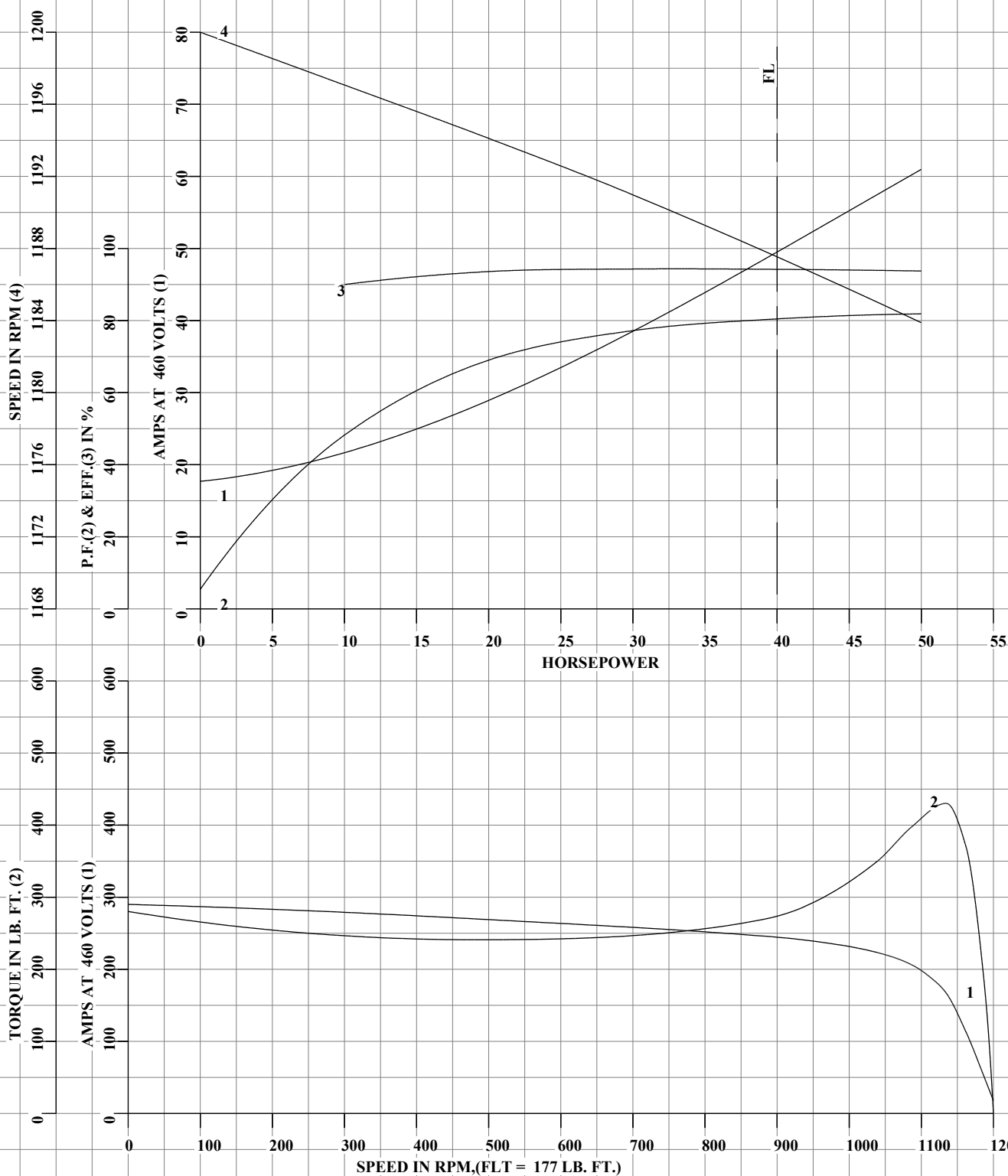
ROTOR, A36062M4, TEF

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25°C .0380/.152

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

A36WG0747-R004

ISSUE DATE 02/25/14

FRAME 364TC

VOLTS 230/460

NEMA DESIGN B

ROTOR 418141-74EE

HP 40

AMPS 98.8/49.4

CODE LETTER G

TEST S.O. TYPICAL DATA

TYPE P

DUTY CONT

ENCLOSURE TEFC

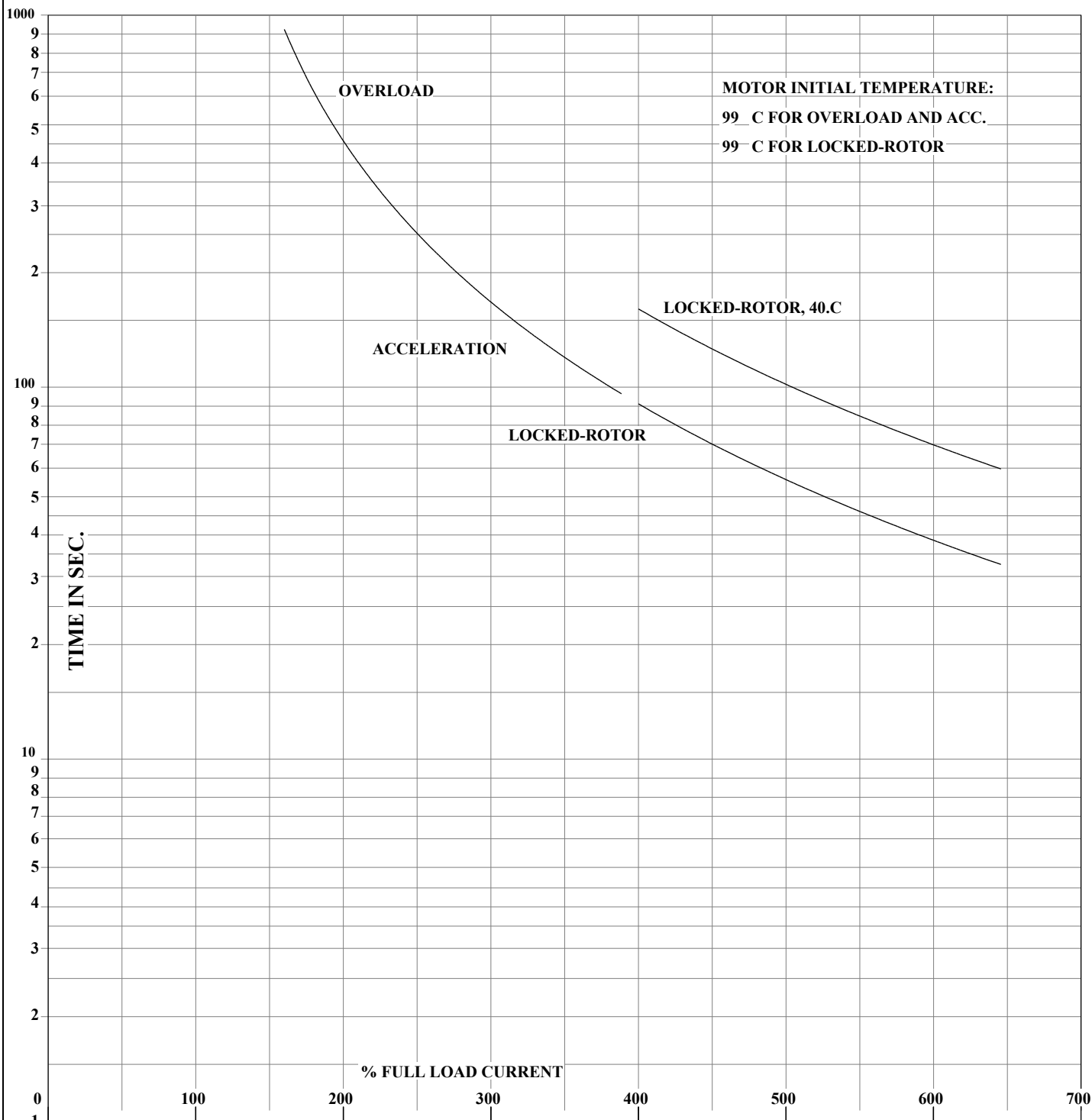
TEST DATE ---

PHASE / HERTZ 3/60

AMB °C / INSUL 40/F

E/S 491378

STATOR RES. @ 25°C .0380/.152
OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

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

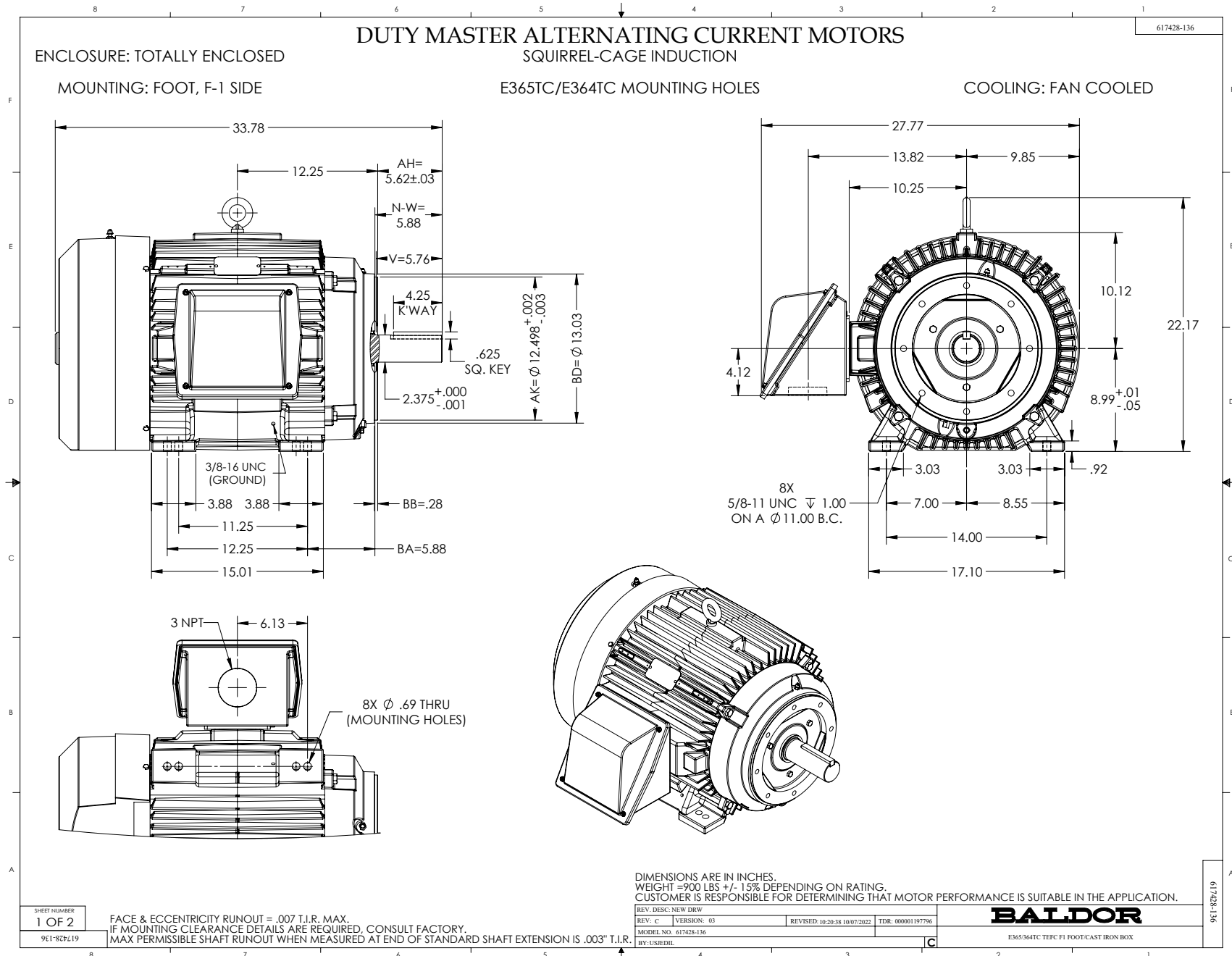


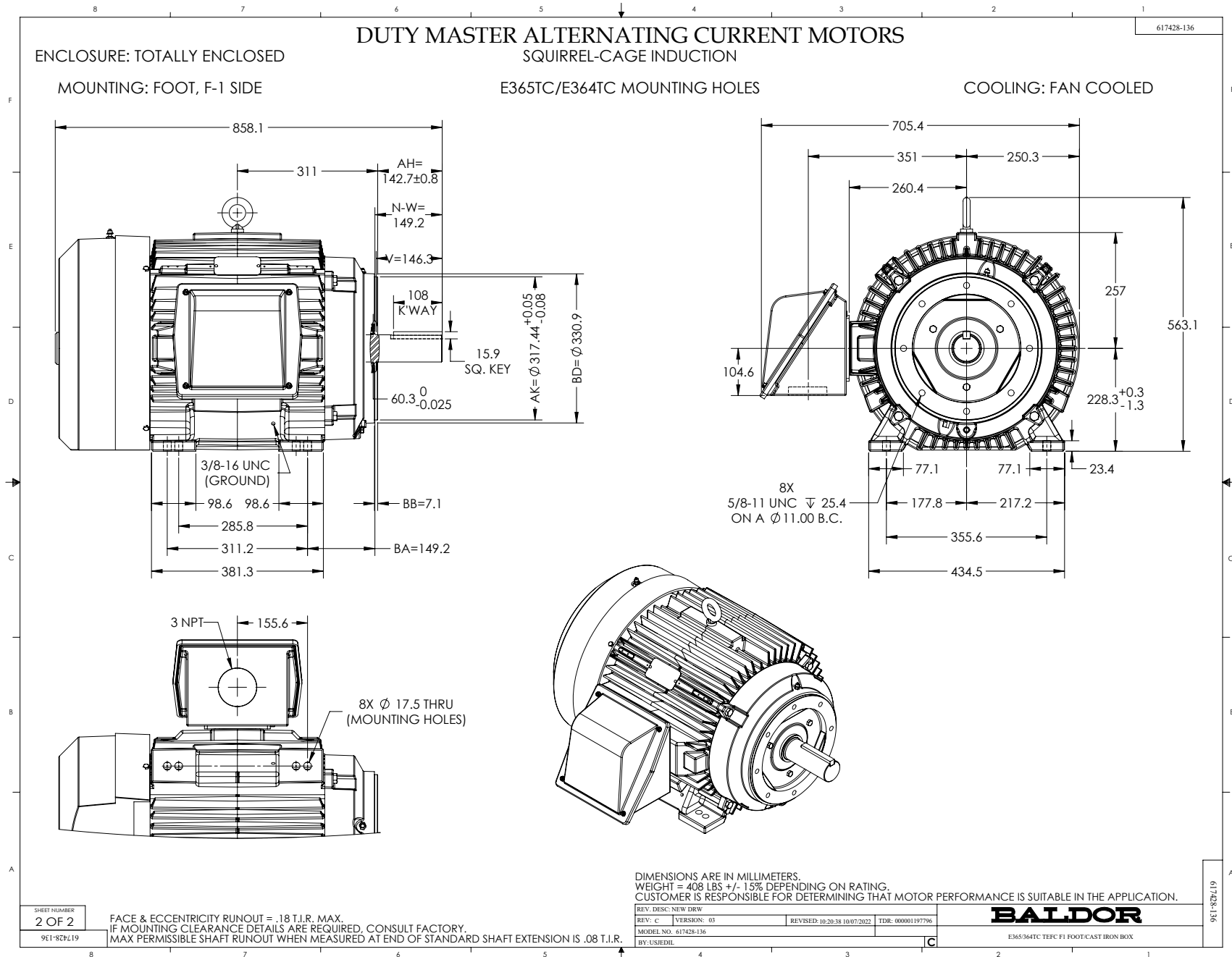
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AC MOTOR
PERFORMANCE
DATA

A36WG0747-R004

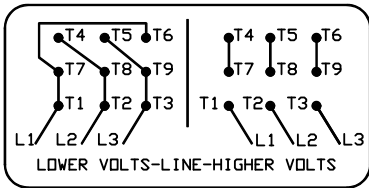
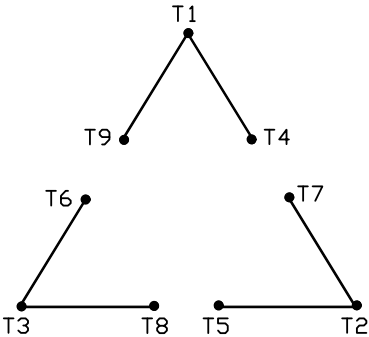
ISSUE DATE 02/25/14





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