

ABB BALDOR RELIANCE III

Customer information packet

CECP84308T-4

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	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR CCSA US
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	49.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	49.4 a
Insulation Class	F

Part Detail

Revision	Q
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0043
Layout	617428-620
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	06
Leads	3#4
Proprietary	False
Created date	01-03-2019

Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G
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
No Load Current	17.7 a
Number of Poles	6
Overall Length	33.48 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	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4388																	
CAT #	CECP84308T-4						FR	364TC			IP56						
SPEC	A36-6200-0043						ENCL		TEFC		DES	B					
HZ	60	PH	3	CL	F	HP	40	SF	1.15	PF	80	%	CODE	G			
VOLTS	460					AMPS		49.4									
RPM	1190		MAX RPM			1800		SER									
NEMA NOM. EFF	94.1		%		RATING		40C AMB-CONT										
GUAR MIN. EFF	93		%		BRG DE		6313			BRG ODE		6313					
CL I DIV 2 GRPS A,B,C,D				CL I ZONE 2 GRPS					IIA,IIB,IIC			TEMP T		3-200		C	
CT HZ	6-60		VT HZ			0-60											
CHP HZ	60-90		INV TEMP CL					200		C							
								MTR WT		945		LBS					

NP4333										
	CAT #	CECP84308T-4			ROTOR BARS		55			
	SPEC	A36-6200-0043			STATOR SLOTS		72			
	SER				MAX CORR KVAR		12			
	GREASE	POLYREX EM								
	ABMA DE BRG	65BC03J30X		ODE	65BC03J30X					
SPACE HEATER LEADS H1-H2:		TIE LIKE NUMBERS				TOGETHER				
MAX. SPACE HEATER TEMP.			C	V		A		W		

ABB BALDOR RELIANCE III S/O	CUSTOMER INFORMATION PACKET					
	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	40	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
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)		
491377	418141-74EE	---	---	.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>G. R. WEBB</u>		AC MOTOR PERFORMANCE DATA		A36WG0043-R005	
	CHECKED BY: <u>W. L. SMITH</u>					
	APPROVED BY: <u>W. L. SMITH</u>		DATE ISSUED 09/04/18			
	DATE: <u>07/14/15</u>					

FRAME 364T

RPM 1190

S.F. 1.15

ROTOR 418141-74EE

HP 40

VOLTS 460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 49.4

CODE LETTER G

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

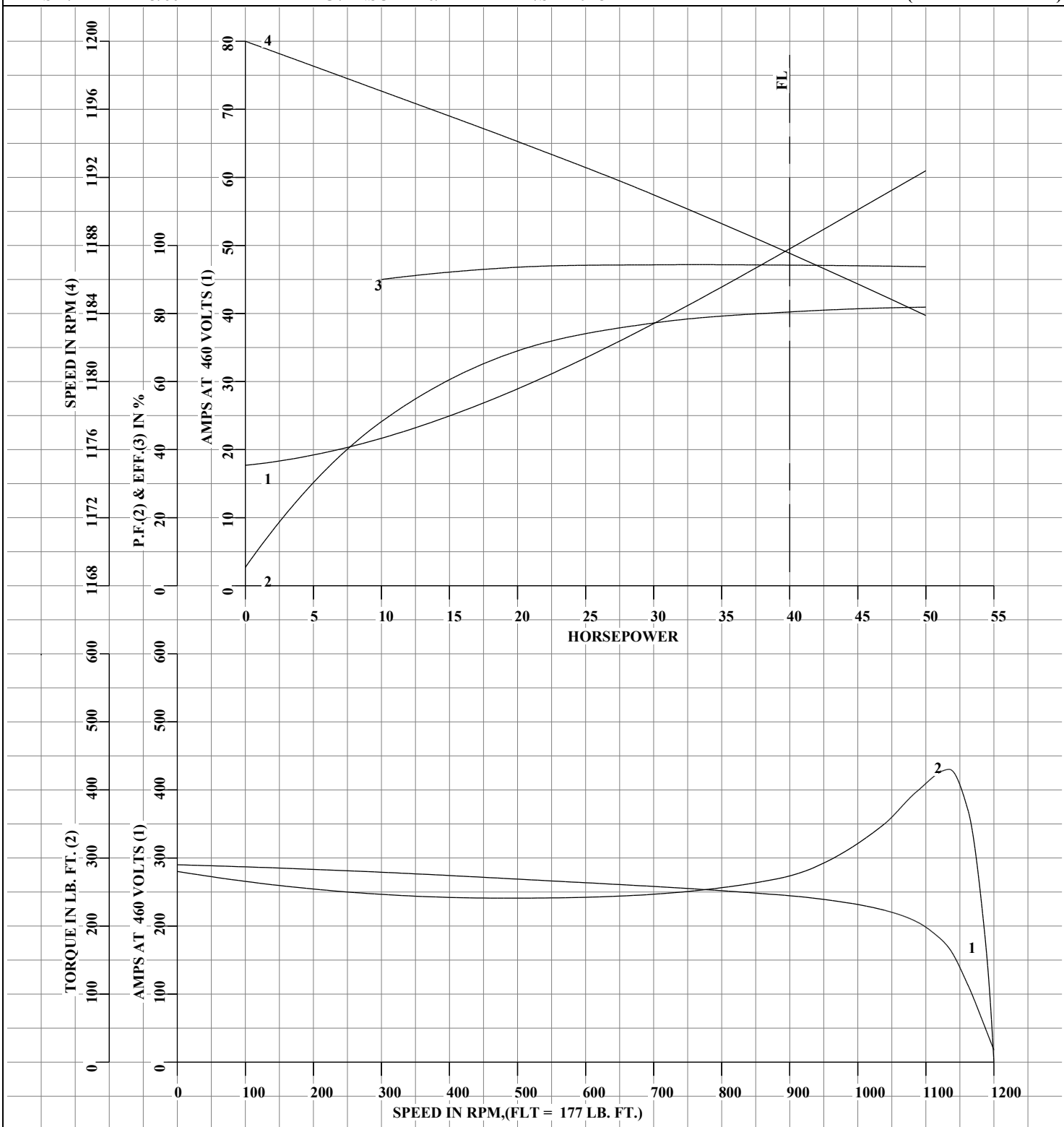
ENCLOSURE TEFC

STATOR RES. @ 25°C .152

AMB °C / INSUL 40/F

E/S 491377

OHMS (BETWEEN LINES)



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PERFORMANCE
DATA

A36WG0043-R005

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FRAME 364T

RPM 1190

S.F. 1.15

ROTOR 418141-74EE

HP 40

VOLTS 460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 49.4

CODE LETTER G

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PHASE / HERTZ 3/60

DUTY CONT

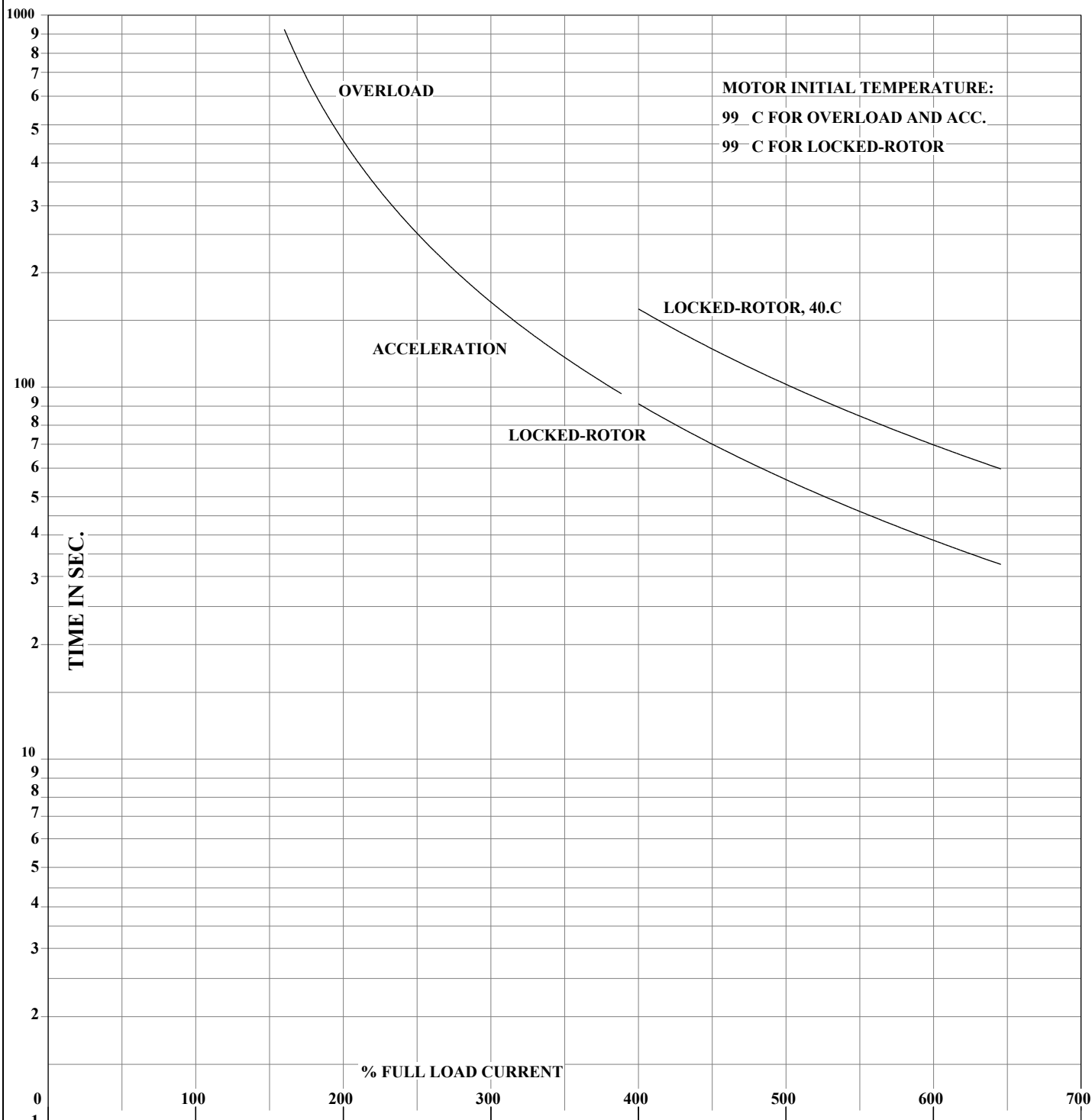
ENCLOSURE TEFC

STATOR RES. @ 25°C .152

AMB °C / INSUL 40/F

E/S 491377

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

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

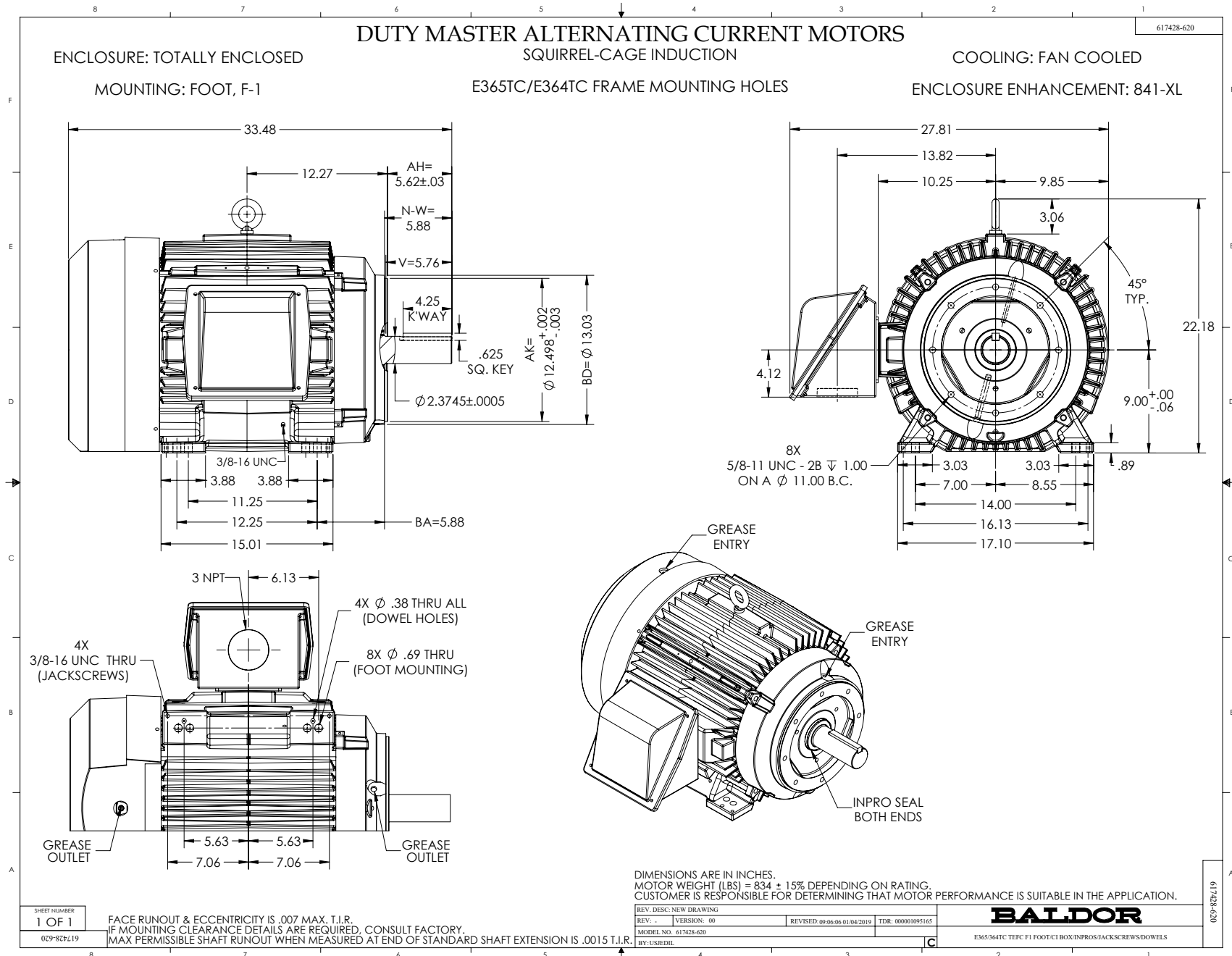


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AC MOTOR
PERFORMANCE
DATA

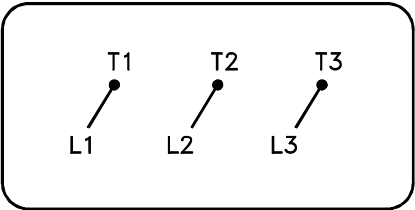
A36WG0043-R005

ISSUE DATE 09/04/18



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