

ABB BALDOR RELIANCE III

Customer information packet

ECP4308T-4

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

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	364T
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
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 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	49.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part Detail

Revision	W
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0043
Layout	617428-034
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	06
Leads	3#4
Proprietary	False
Created date	10-19-2010

Lifting Lugs	No 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	33.49 IN
Power Factor	80
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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

NP4033LUA																			
CAT #		ECP4308T-4				SER					CC		010A						
SPEC		P36G466				RATING		40C AMB-CONT											
HZ		VOLTS		AMPS		RPM		HP	CODE		-	SF		DES	PF	NEMA NOM. EFF			
60		460		49.4		1190		40	G			1.15		B	80	%	94.1	%	
																%		%	
PH	3	CL	F	MAX RPM		1800	MAX CORR KVAR			12									
BRG		DE	6313		ODE	6313		ENCL	TEFC		FR	364T		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	6-60		HZ	10:1		VT	0-60		HZ		1000:1		CHP	60-90		HZ	1.5:1
INV TEMP CL			200	C	USABLE AT		50HZ 30HP 380V 45A SF1.0												

Accessories

Part number	Description	Multiplier
K36G2	C-FACE KIT	A8

ABB BALDOR RELIANCE III S/O		CUSTOMER INFORMATION PACKET					ECP4308T-4 - 40HP, 1190RPM, 3PH, 60HZ, 364T, A36062M, TEFC				
		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> CHECKED BY: <u>W. L. SMITH</u> APPROVED BY: <u>W. L. SMITH</u> DATE: <u>07/14/15</u>		AC MOTOR PERFORMANCE DATA		A36WG0043-R005 DATE ISSUED 09/04/18					

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

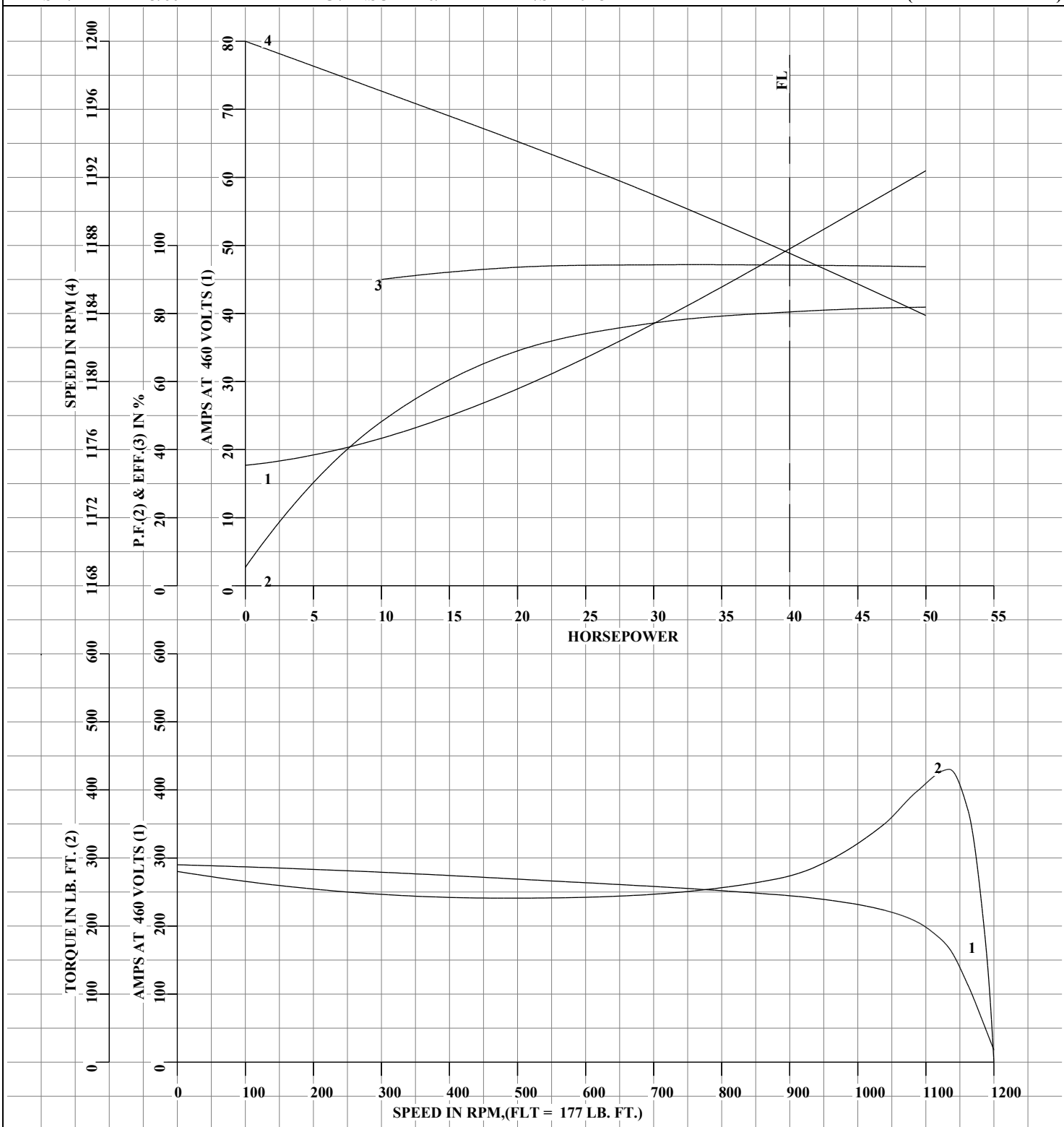
ENCLOSURE TEFC

STATOR RES. @ 25°C .152

AMB °C / INSUL 40/F

E/S 491377

OHMS (BETWEEN LINES)



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AC MOTOR
 PERFORMANCE
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RPM 1190

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HP 40

VOLTS 460

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DUTY CONT

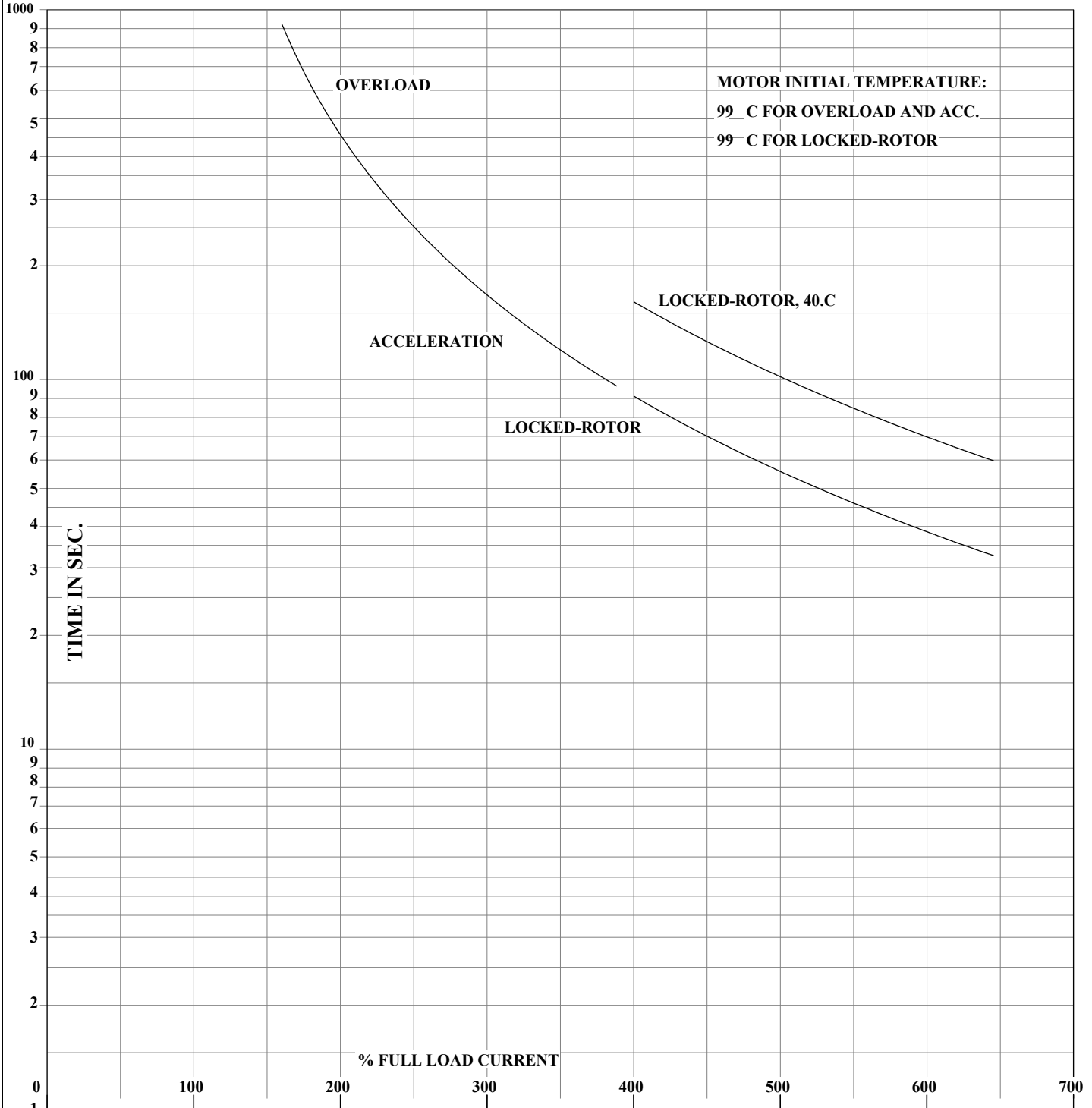
ENCLOSURE TEFC

STATOR RES. @ 25°C .152

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E/S 491377

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

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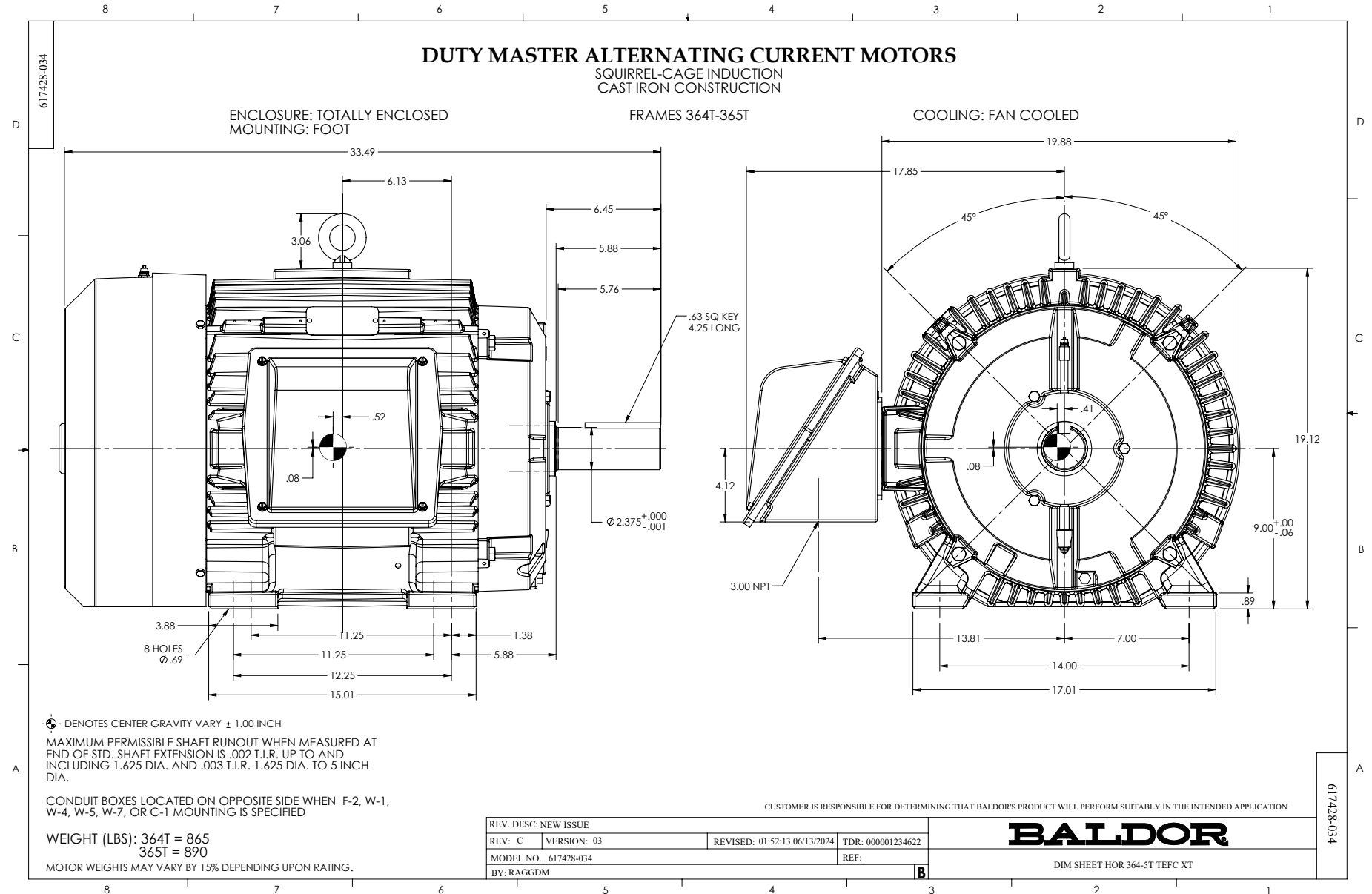


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AC MOTOR
PERFORMANCE
DATA

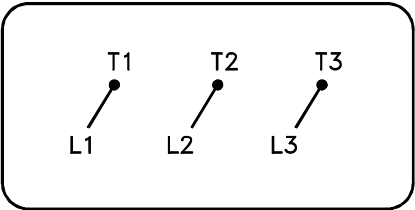
A36WG0043-R005

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