

ABB BALDOR RELIANCE III

Customer information packet

ECP4308T-5

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

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
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	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
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	39.700 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	39.7 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1195
Layout	617428-034
Eff. date	10-24-2024
CD Diagram	416820-036
Poles	06
Leads	3#6
Proprietary	False
Created date	06-20-2019

Motor Lead Quantity/Wire Size	3 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.49 IN
Power Factor	80
Product Family	General Industrial
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	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

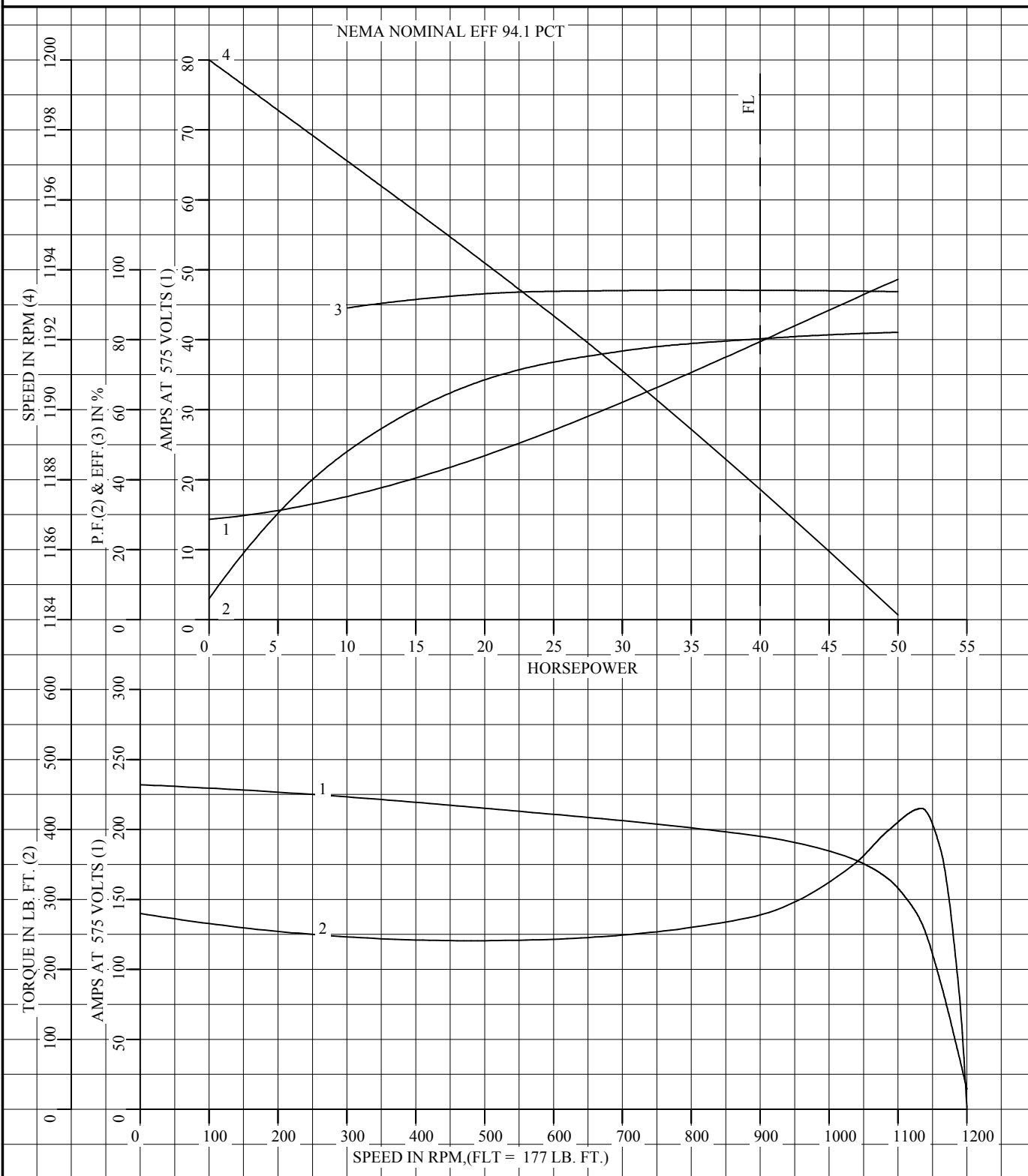
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IP55 CONSTRUCTION	

NP3238

CAT NO	ECP4308T-5			SPEC NO.		A36-7786-1195							
HP	40	AMPS	39.7		VOLTS		575		DESIGN	B			
FRAME	364T	RPM	1190	HZ	60	AMB	40	SF	1.15				
D.E. BRG.DATA	6313		O.D.E. BRG.DATA			6313		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03J30X			TYPE	P	ENCL	TEFC	CODE	G				
O.D.E. BRG.	65BC03J30X			POWER FACTOR			80		NEMA NOM EFFICIENCY			94.1	
3/4 LOAD EFF.	94.0		MAX CORR KVAR			12.0		GUARANTEED EFFICIENCY			93		
TEMP CODE	T3A		TEMP =		180								
CHP HZ	60-90		CT HZ	6-60		VT HZ	0-60						
INVERTER-TEMP-CODE	T3A												
SER.NO.					MOTOR WEIGHT								

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	40	P	3/60	1190	575
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
39.7	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491379	418141088JE	---	---	.237		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.4	1200	5.97	0	
1/4	10.0	17.5	1197	48.0	89.1	
2/4	20.0	23.5	1194	68.5	93.1	
3/4	30.0	31.1	1191	76.8	94.0	
4/4	40.0	39.7	1188	80.3	94.1	
5/4	50.0	48.7	1184	82.1	93.7	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	158	280	232	
PULL UP		480	136	241	216	
BREAKDOWN		1135	243	430	133	
FULL LOAD		1188	100	177	39.7	
AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOMINAL EFF 94.1 PCT						
		DR. BY W. L. SMITH		A-C MOTOR PERFORMANCE DATA A36WG1195-R013 ISSUE DATE 06/20/19		
		CK. BY C. E. JAMISON				
		APP. BY E. J. CHRISTIAN				
		DATE 09/22/17				
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REL S.O.	RPM 1190	S.F. 1.15	ROTOR 418141088JE
FRAME 364T	VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 40	AMPS 39.7	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .237
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 491379	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY C. E. JAMISON
APP. BY E. J. CHRISTIAN
DATE 09/22/17

**A-C MOTOR
PERFORMANCE
CURVES**

A36WG1195-R013

ISSUE DATE 06/20/19

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REL. S.O.

FRAME 364T

HP 40

TYPE P

PHASE/HERTZ 3/60

RPM 1190

VOLTS 575

AMPS 39.7

DUTY CONT

AMB °C/INSUL 40/F

S.F. 1.15

NEMA DESIGN B

CODE LETTER G

ENCLOSURE TEFC

E/S 491379

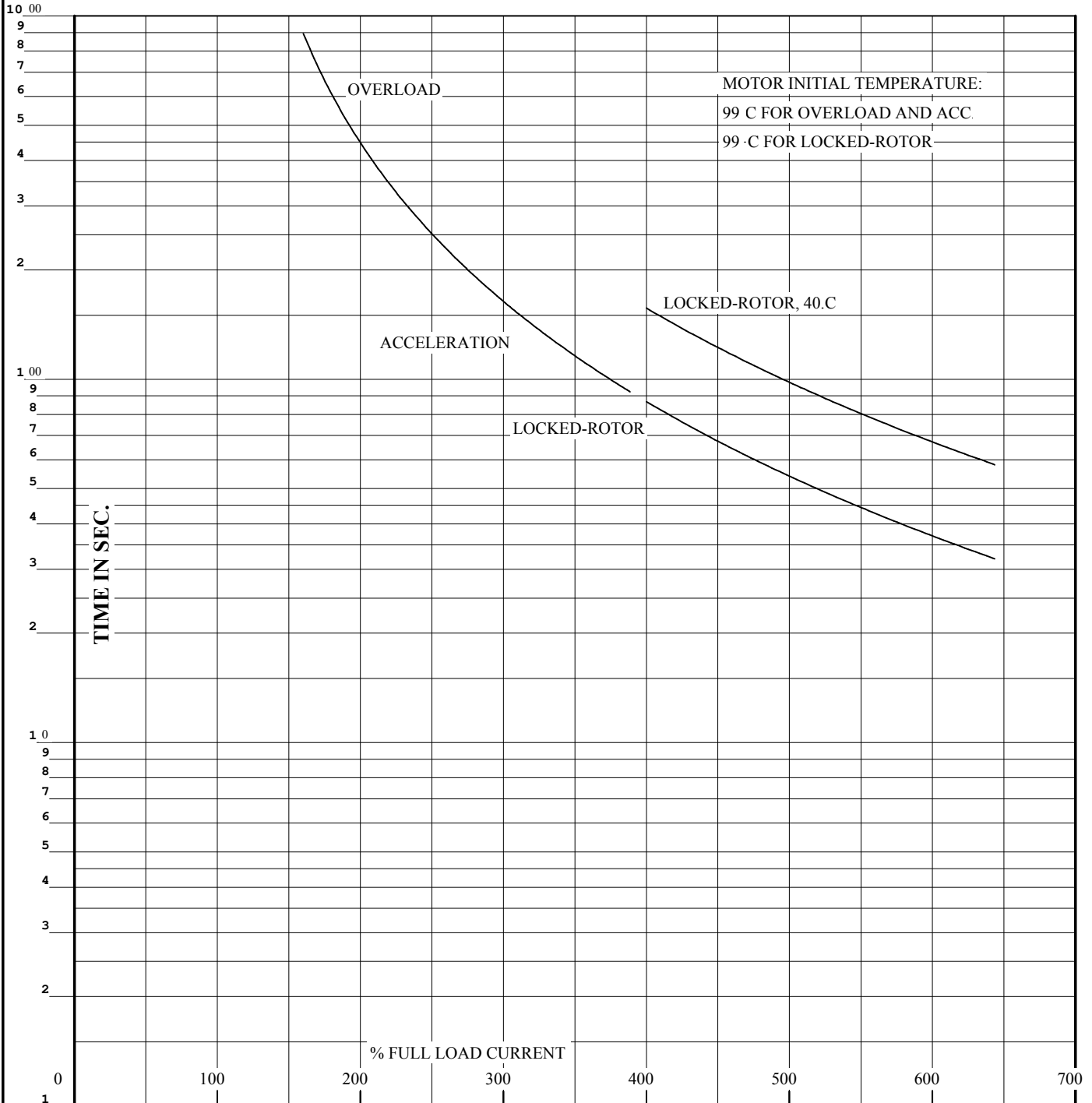
ROTOR 418141088JE

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25 °C .237

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

NEMA NOMINAL EFF 94.1 PCT

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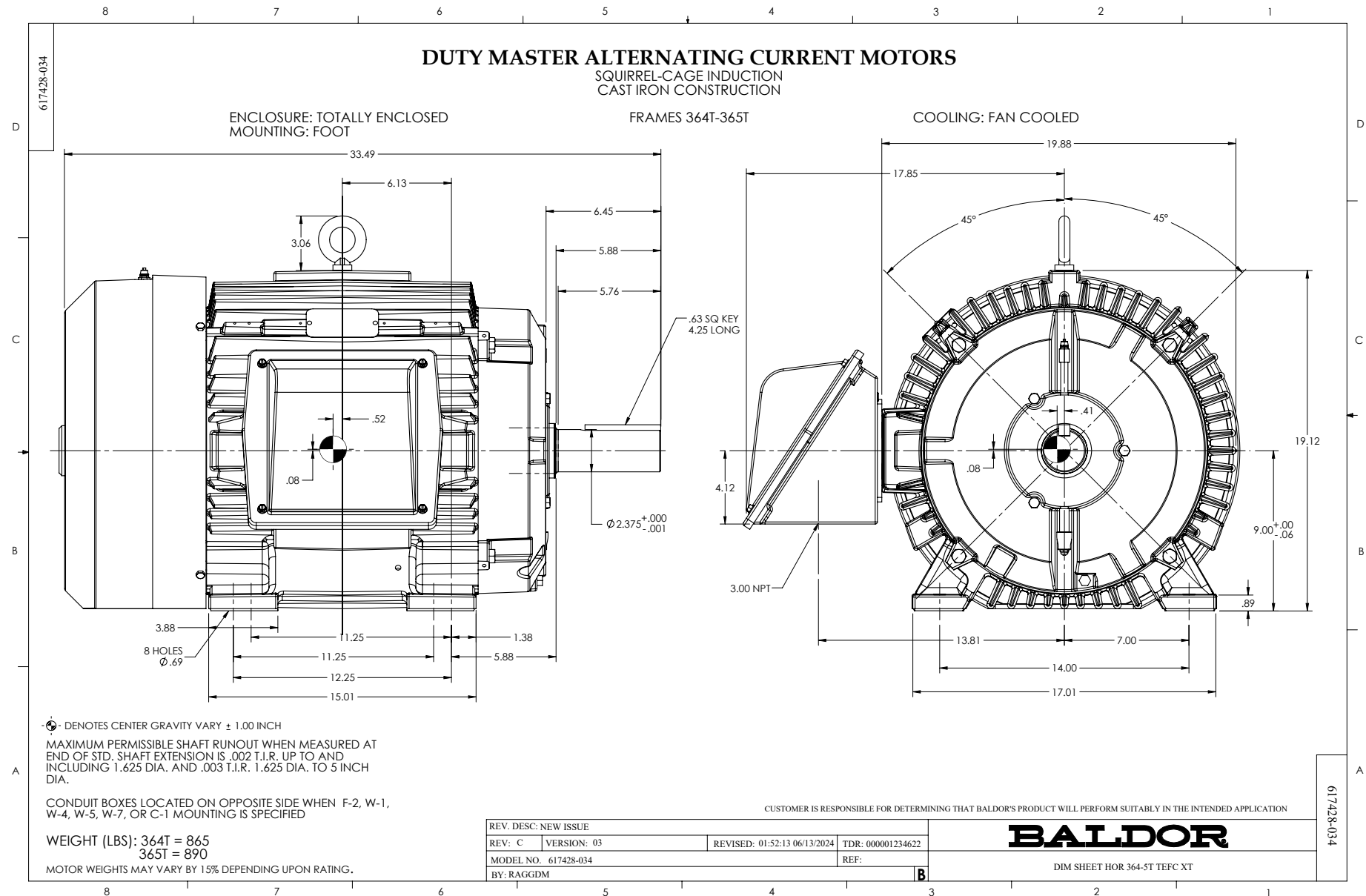
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**A-C MOTOR
PERFORMANCE
CURVES**

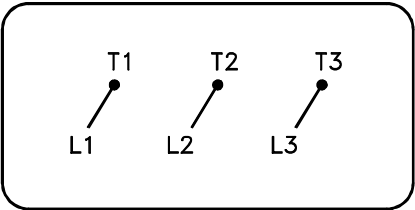
A36WG1195-R013

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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