



Customer information packet

ECP84313T-5

75HP, 3555RPM, 3PH, 60HZ, 365TS, A36068M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 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	15-60
Current @ Voltage	64.500 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	64.5 a
Insulation Class	F

Part detail

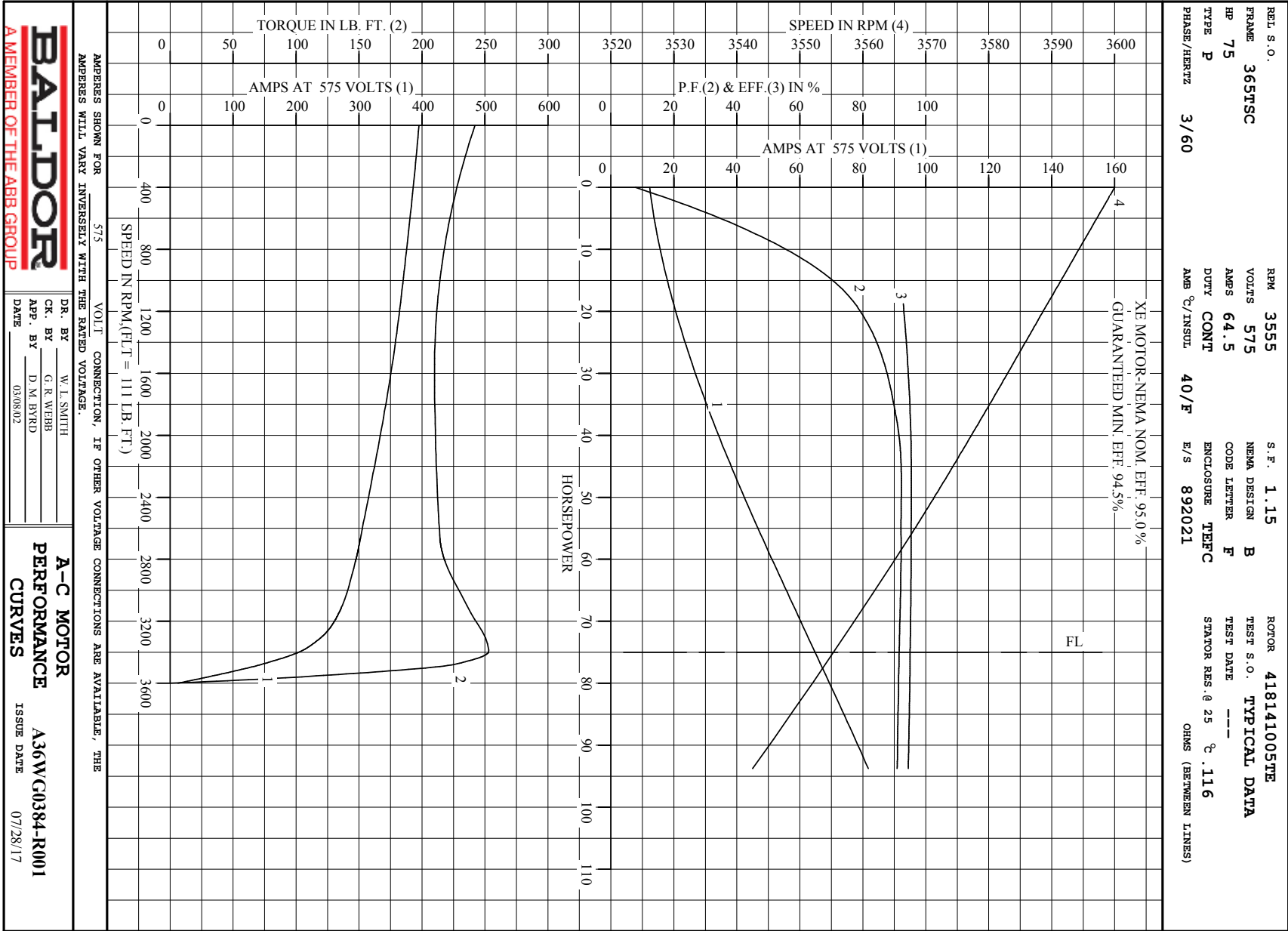
Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0384
Layout	617428-510
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	02
Leads	3#4
Proprietary	False
Created date	11-27-2018

Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	None
Motor Type	A36068M
Mounting Arrangement	F1
No Load Current	12.4 a
Number of Poles	2
Overall Length	31.35 IN
Power Factor	92
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4388																
CAT #	ECP84313T-5						FR	365TS			IP56					
SPEC	A36-6000-0384						ENCL	TEFC			DES	B				
HZ	60	PH	3	CL	F	HP	75	SF	1.15	PF	92	%	CODE	F		
VOLTS	575					AMPS	64.5									
RPM	3555		MAX RPM		4500		SER									
NEMA NOM. EFF	94.5		%		RATING		40C AMB-CONT									
GUAR MIN. EFF	93.6		%		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	15-60			VT HZ		0-60										
CHP HZ	60-75			INV TEMP CL				200		C						
								MTR WT		1018		LBS				

NP4333									
CAT #	ECP84313T-5		ROTOR BARS		38				
SPEC	A36-6000-0384		STATOR SLOTS		48				
SER			MAX CORR KVAR		5				
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		



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REL. S.O.
FRAME 365TSC
HP 75
TYPE P
PHASE/HERTZ 3/60

RPM 3555
VOLTS 575
AMPS 64.5
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 892021

ROTOR 418141005TE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 116
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1.00
9
8
7
6
5
4
3
2
1

TIME IN SEC.

OVERLOAD
132C FOR OVERLOAD AND ACC
132 C FOR LOCKED-ROTOR

ACCELERATION
LOCKED-ROTOR 40 C
LOCKED-ROTOR

1
0
100
200
300
400
500
600
700

% FULL LOAD CURRENT

1.0
9
8
7
6
5
4
3
2
1

THERMAL LIMIT CURVE

REMARKS:
XE MOTOR-NEMA NOM. EFF. 95.0 %
GUARANTEED MIN. EFF. 94.5%

AMPERES SHOWN FOR 575
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

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A MEMBER OF THE ABB GROUP

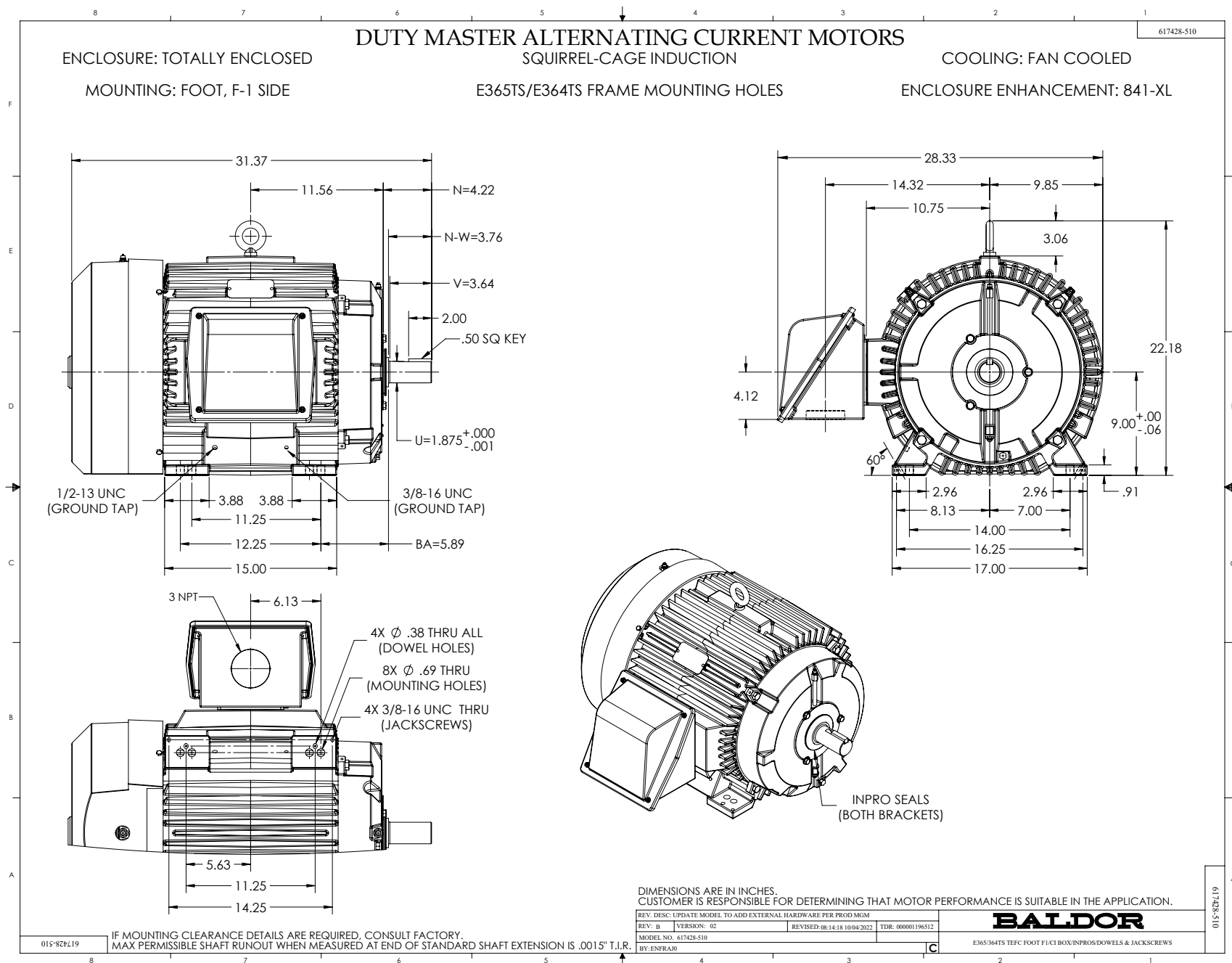
DR. BY W. L. SMITH
CK. BY G. R. WEBB
APP. BY D. M. BYRD
DATE 03/08/02

A-C MOTOR
PERFORMANCE
CURVES

A36WG0384-R001
ISSUE DATE 07/28/17

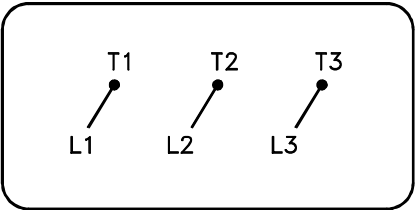
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416820-036

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	

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CONN DIAG - STANDARD 3 LEAD
SH 1 of 1