



Customer information packet

ECP844256T-4

250HP, 1200RPM, 3PH, 60HZ, 449T, TEFC, FOOT,
Class - CLI GP A,B,C,D
Division - Division II

Specifications

Enclosure	TEFC
Frame	449T
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	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	30-60
Current @ Voltage	287.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	287.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1499
Layout	617434-665
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	06
Leads	3#1/0 (02 per group)
Proprietary	False
Created date	12-12-2018

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	None
Motor Type	A44160M
Mounting Arrangement	F1
No Load Current	82.3 a
Number of Poles	6
Overall Length	53.47 IN
Power Factor	85
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
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

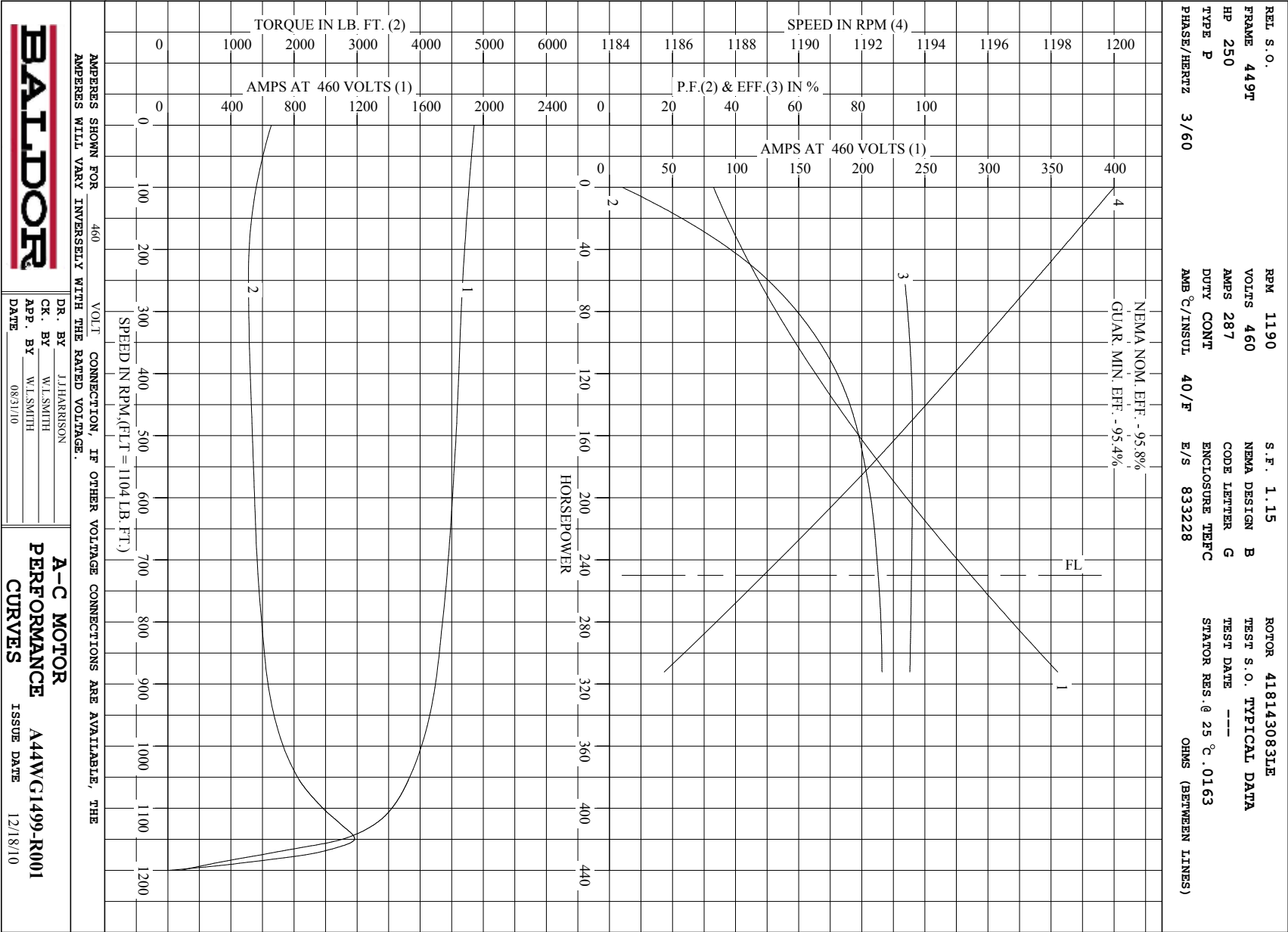
Nameplate

NP4566																
CAT NO	ECP844256T-4			SPEC NO.		A44-8790-1499										
HP	250	AMPS		287		VOLTS		460		DESIGN		B				
FRAME SIZE	449T	RPM		1190		HZ		60	AMB		40	SF		1.15		
D.E. BRG.DATA	6318			O.D.E. BRG.DATA			6318		PH		3	DUTY		CONT	INSUL.CLASS	F
D.E. BRG.	90BC03J30X			TYPE		ENCL		TEFC		CODE		G				
O.D.E. BRG.	90BC03J30X			POWER FACTOR				85		NEMA-NOM-EFFICIENCY				95.8		
3/4 LOAD EFF.	96.0	IP		56		MAX CORR KVAR				48.0		GUARANTEED EFFICIENCY			95	
TEMP CODE	T3	TEMP =		200												
CHP HZ	60-90	CT HZ		30-60		VT HZ		0-60								
INVERTER-TEMP-CODE	T3															
SER.NO.				MOTOR WEIGHT												

000613007EX

CAT NO	ECP844256T-4	SPEC NO.	A44-8790-1499
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE	82.3
5 YEAR WARRANTY		WINDING RES @25 C	.01634
MFG. DATE		SER.NO	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	250	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
287	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833228	418143083LE	---	---	.0163		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	82.3	1200	4.07	0	
1/4	62.6	121	1197	51.7	93.8	
2/4	125	166	1195	73.3	95.8	
3/4	187	223	1192	81.8	96.0	
4/4	250	287	1189	85.2	95.8	
5/4	312	355	1186	86.4	95.3	
SPEED TORQUE						
	RPM	% TORQUE FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	149	1640	1942		
PULL UP	240	116	1278	1872		
BREAKDOWN	1149	268	2960	1113		
FULL LOAD	1189	100	1104	287		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOM. EFF. - 95.8% GUAR. MIN. EFF. - 95.4%						
			DR. BY J.J.HARRISON CK. BY W.L.SMITH APP. BY W.L.SMITH DATE 08/31/10		A-C MOTOR PERFORMANCE DATA A44WG1499-R001 ISSUE DATE 12/18/10	



REL. S.O. FRAME 449T HP 250 TYPE P PHASE/HERTZ 3/60	RPM 1190 VOLTS 460 AMPS 287 DUTY CONT AMB °C/INSUL 40/F	S.F. 1.15 NEMA DESIGN B CODE LETTER G ENCLOSURE TEFC E/S 833228	ROTOR 418143083LE TEST S.O. TYPICAL DATA TEST DATE --- STATOR RES. @ 25 °C. 0163 OHMS (BETWEEN LINES)
---	---	---	---

10.00
9
8
7
6
5
4
3
2
1

0.00
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

TIME IN SEC.

OVERLOAD

LOCKED-ROTOR, 40 °C

LOCKED-ROTOR

% FULL LOAD CURRENT

0 200 400 600 800 1000 1200 1400

THERMAL LIMIT CURVE

REMARKS:
NEMA NOM. EFF. - 95.8%
GUAR. MIN. EFF. - 95.4%

AMPERES SHOWN FOR 460
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

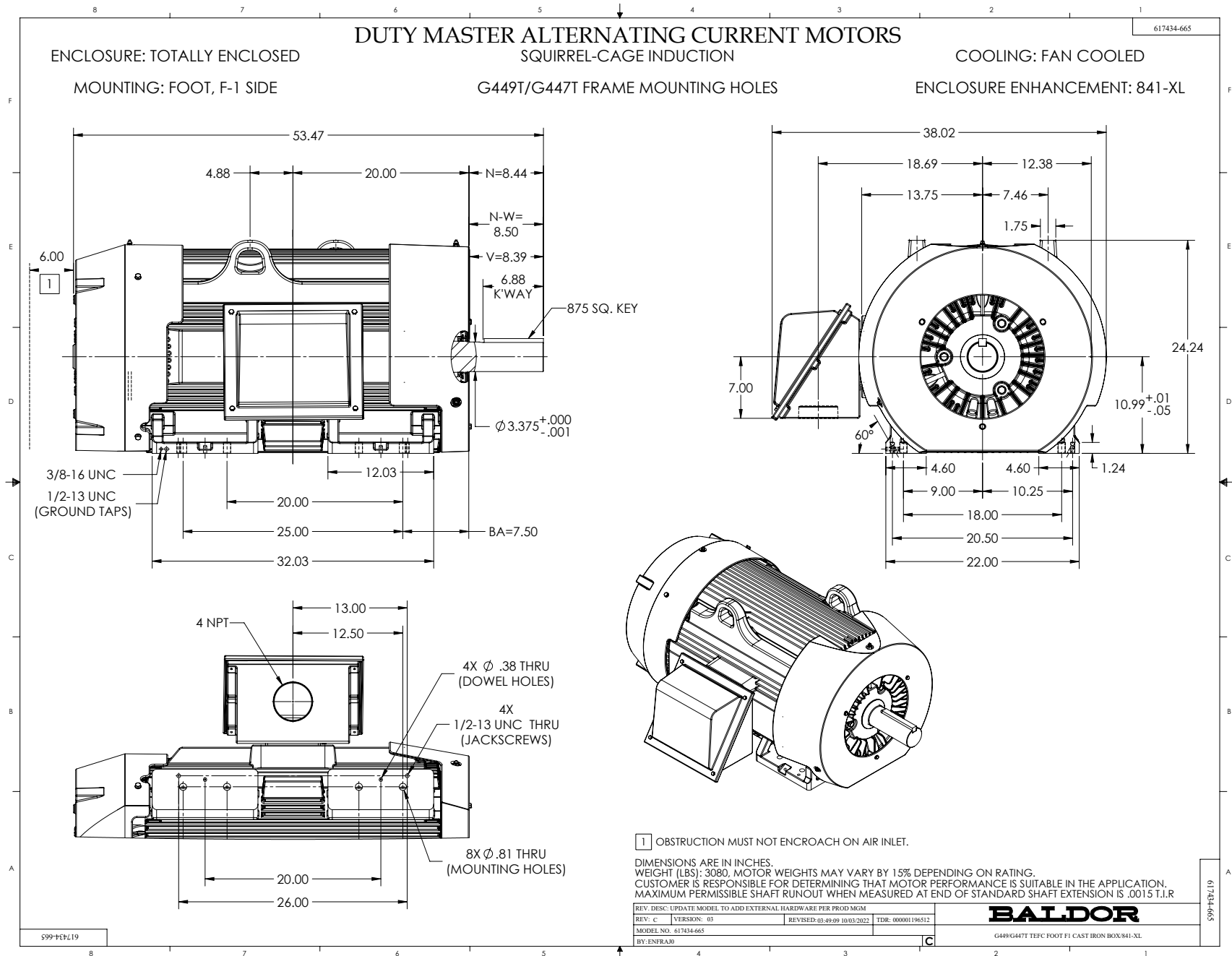
VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

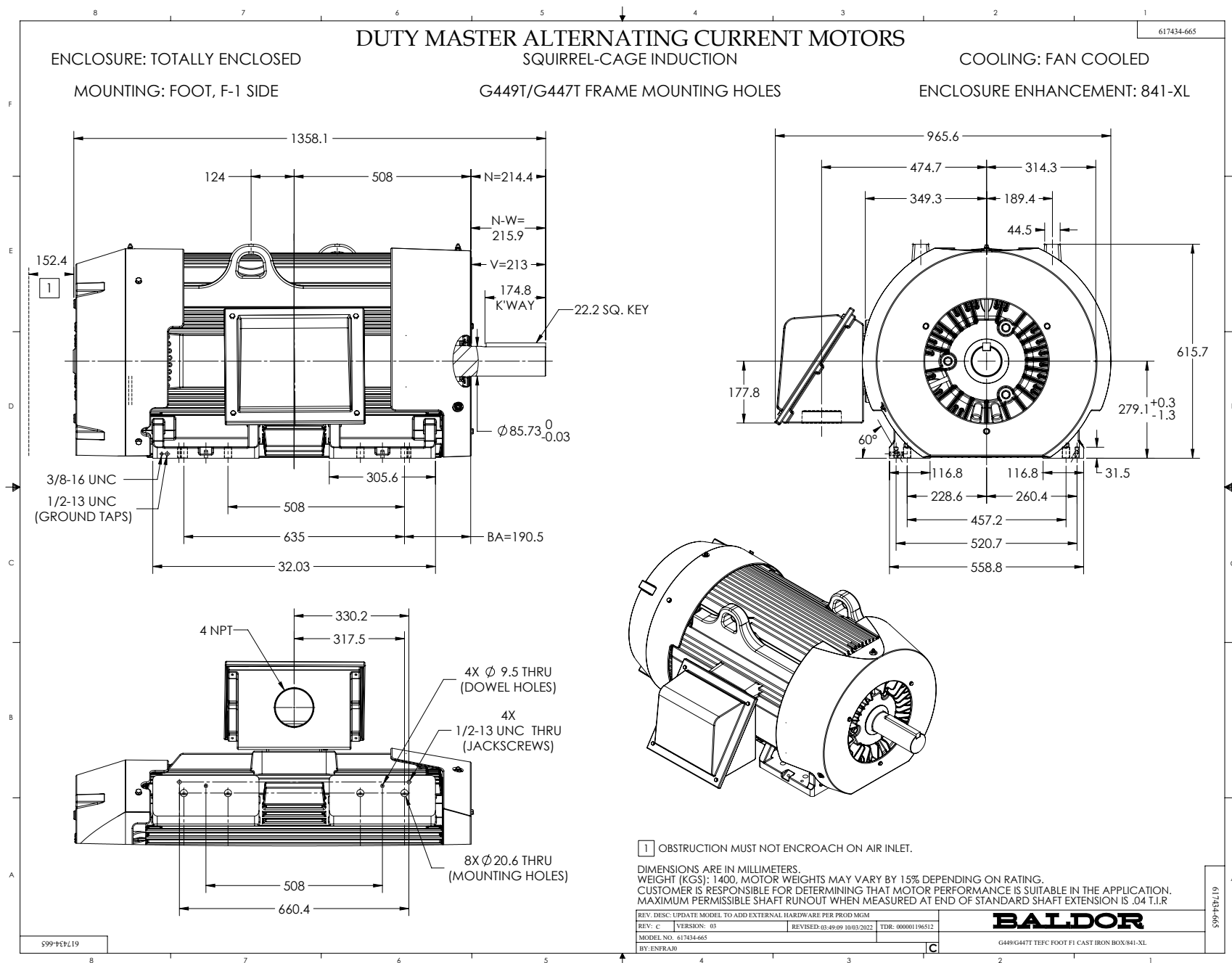
BALDOR

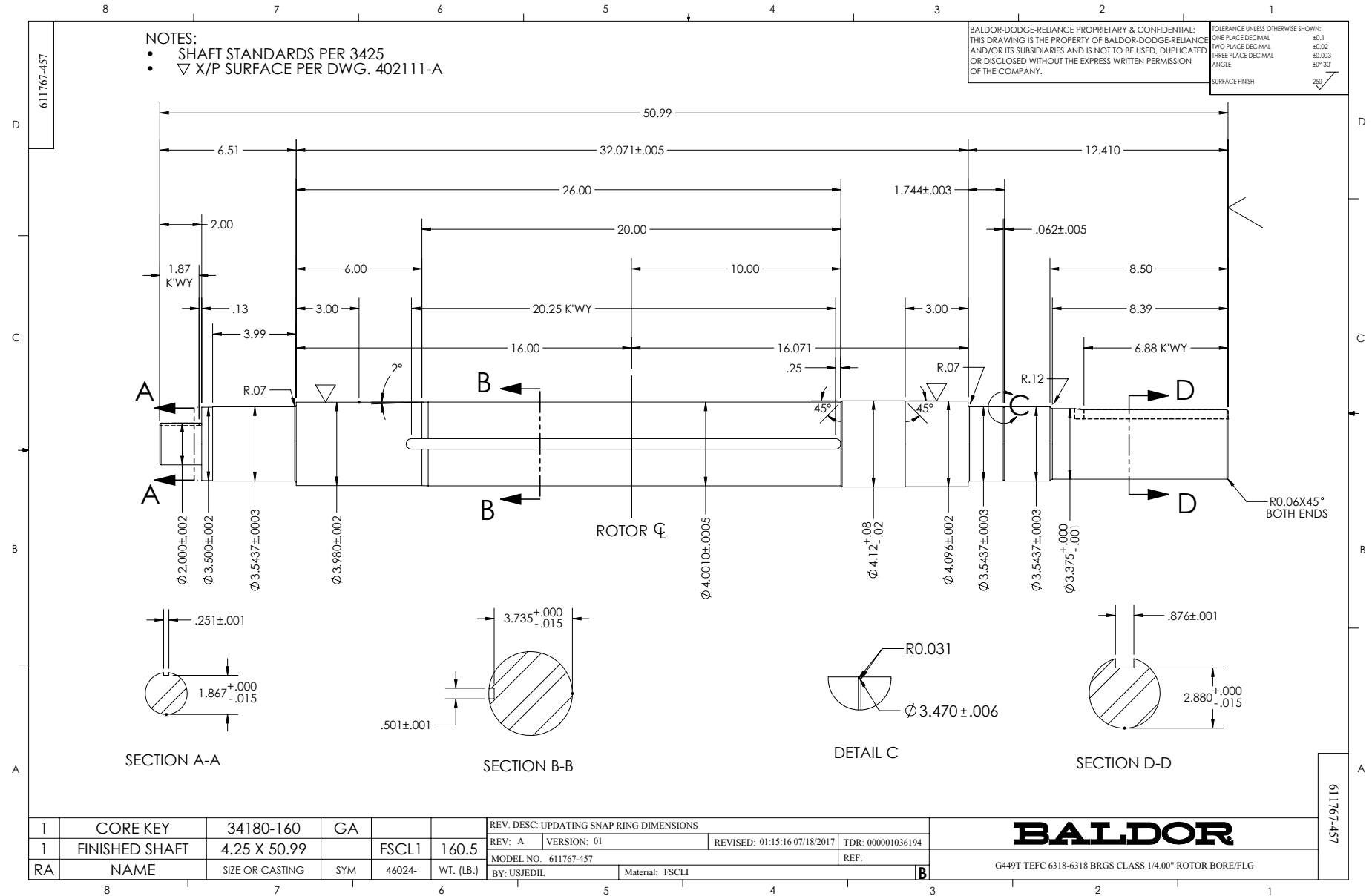
DR. BY J. HARRISON
CK. BY W. L. SMITH
APP. BY W. L. SMITH
DATE 08/31/10

A-C MOTOR
PERFORMANCE
CURVES

A44WG1499-R001
ISSUE DATE 12/8/10

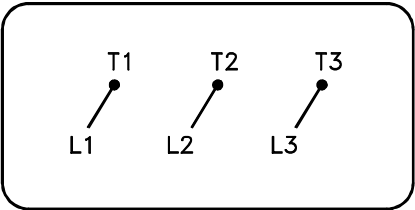






416820-036

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