



Customer information packet

ECP844206TR-4

200HP, 1190RPM, 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	200.000 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	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	30-60
Current @ Voltage	225.000 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	225.0 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	IP56
KVA Code	G

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1497
Layout	617434-667
Eff. date	02-24-2025
CD Diagram	416820-036
Poles	06
Leads	3#1 (02 per group)
Proprietary	False
Created date	12-12-2018

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	None
Motor Type	A44160M
Mounting Arrangement	F1
No Load Current	55.3 a
Number of Poles	6
Overall Length	53.27 IN
Power Factor	87
Pulley End Bearing Type	Roller
Pulley Face Code	C-Face
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

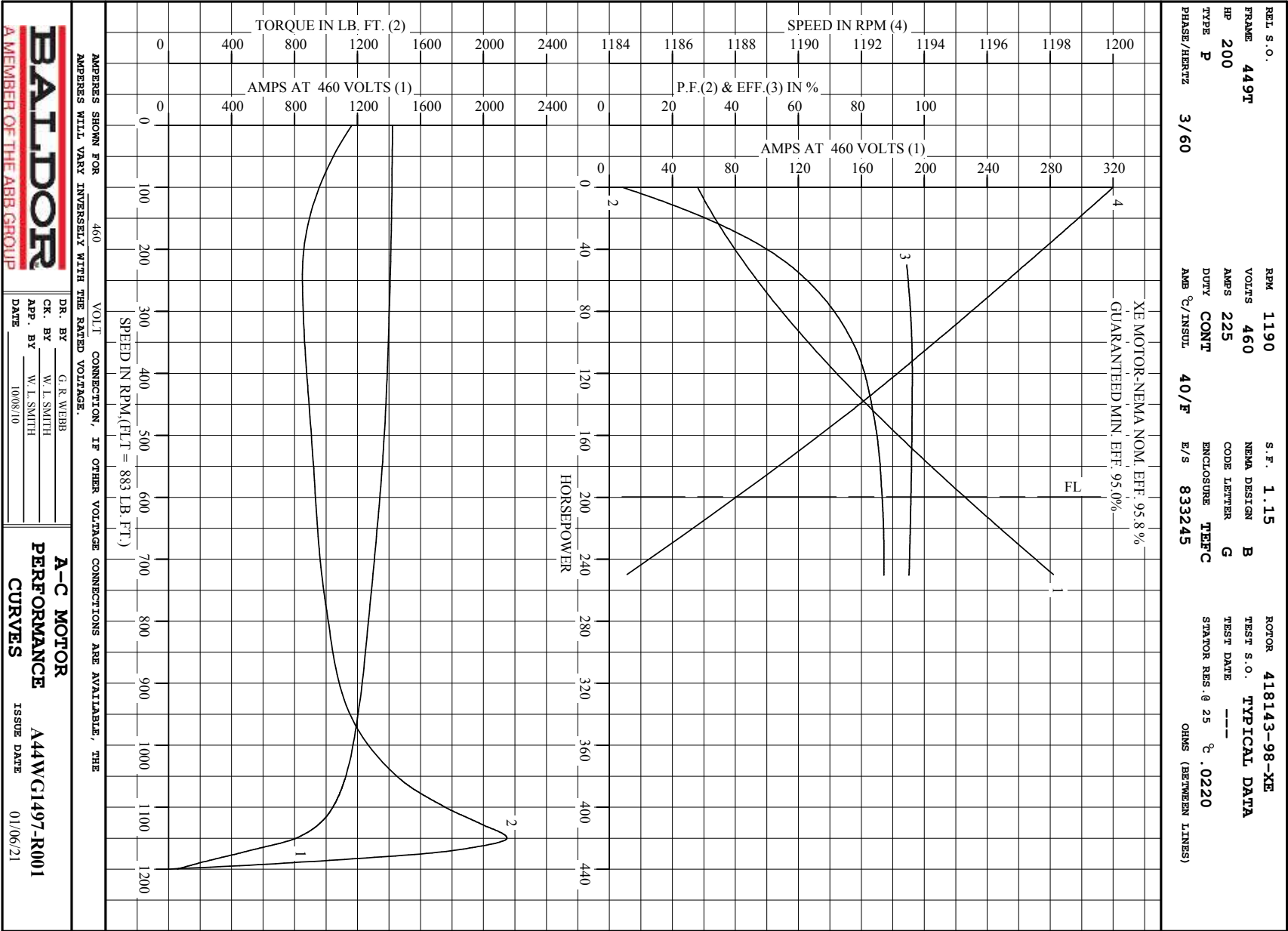
Nameplate

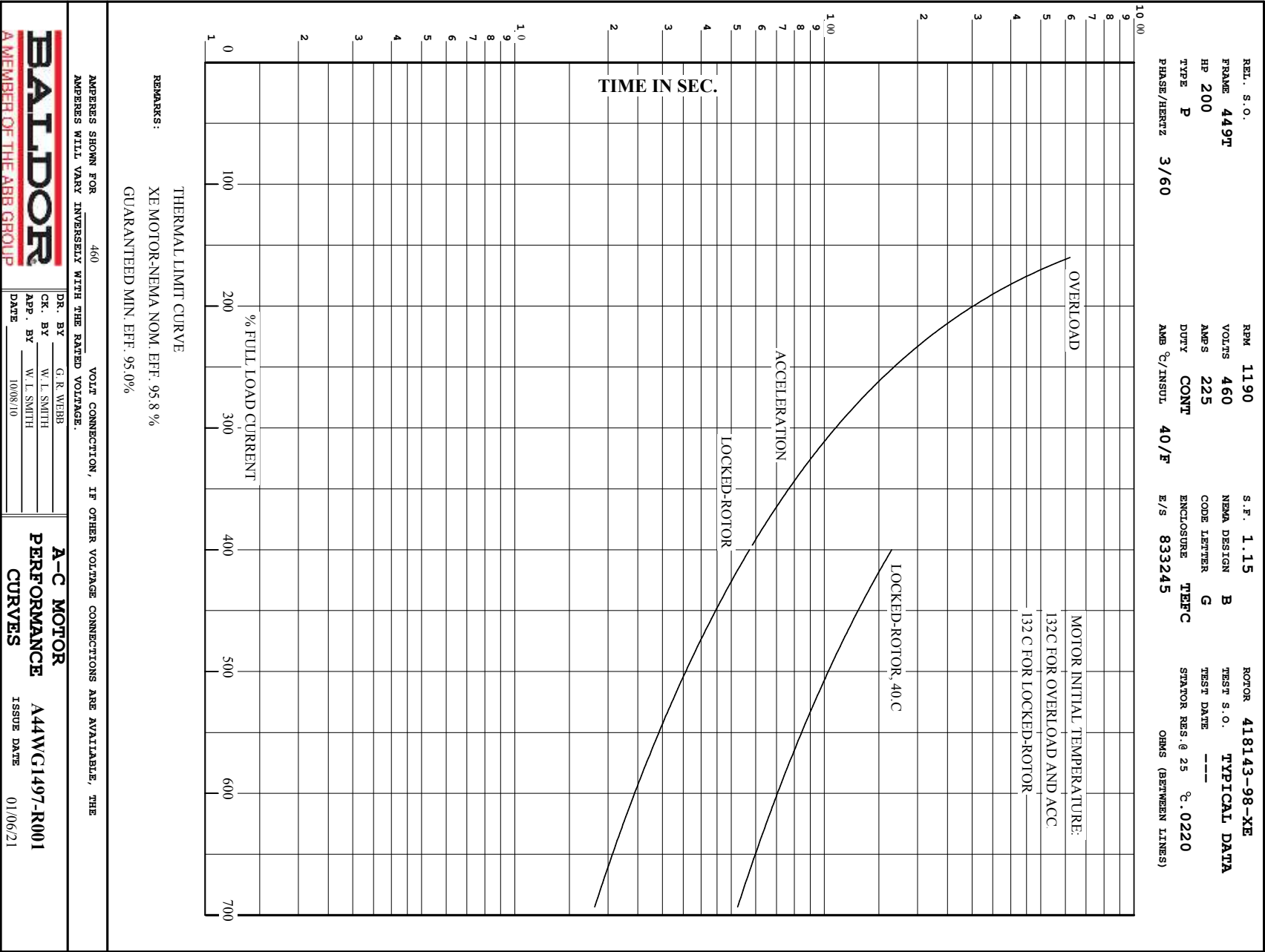
NP4566															
CAT NO	ECP844206TR-4			SPEC NO.		A44-8470-1497									
HP	200	AMPS		225		VOLTS		460		DESIGN		B			
FRAME SIZE	449T	RPM		1190	HZ		60	AMB		40	SF	1.15			
D.E. BRG.DATA	NU222		O.D.E. BRG.DATA			6318		PH		3	DUTY		CONT	INSUL.CLASS	
D.E. BRG.	110RU02M30X			TYPE		ENCL	TEFC		CODE		G				
O.D.E. BRG.	90BC03J30X			POWER FACTOR			87		NEMA-NOM-EFFICIENCY				95.8		
3/4 LOAD EFF.	96.1	IP	56	MAX CORR KVAR				35.0		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											

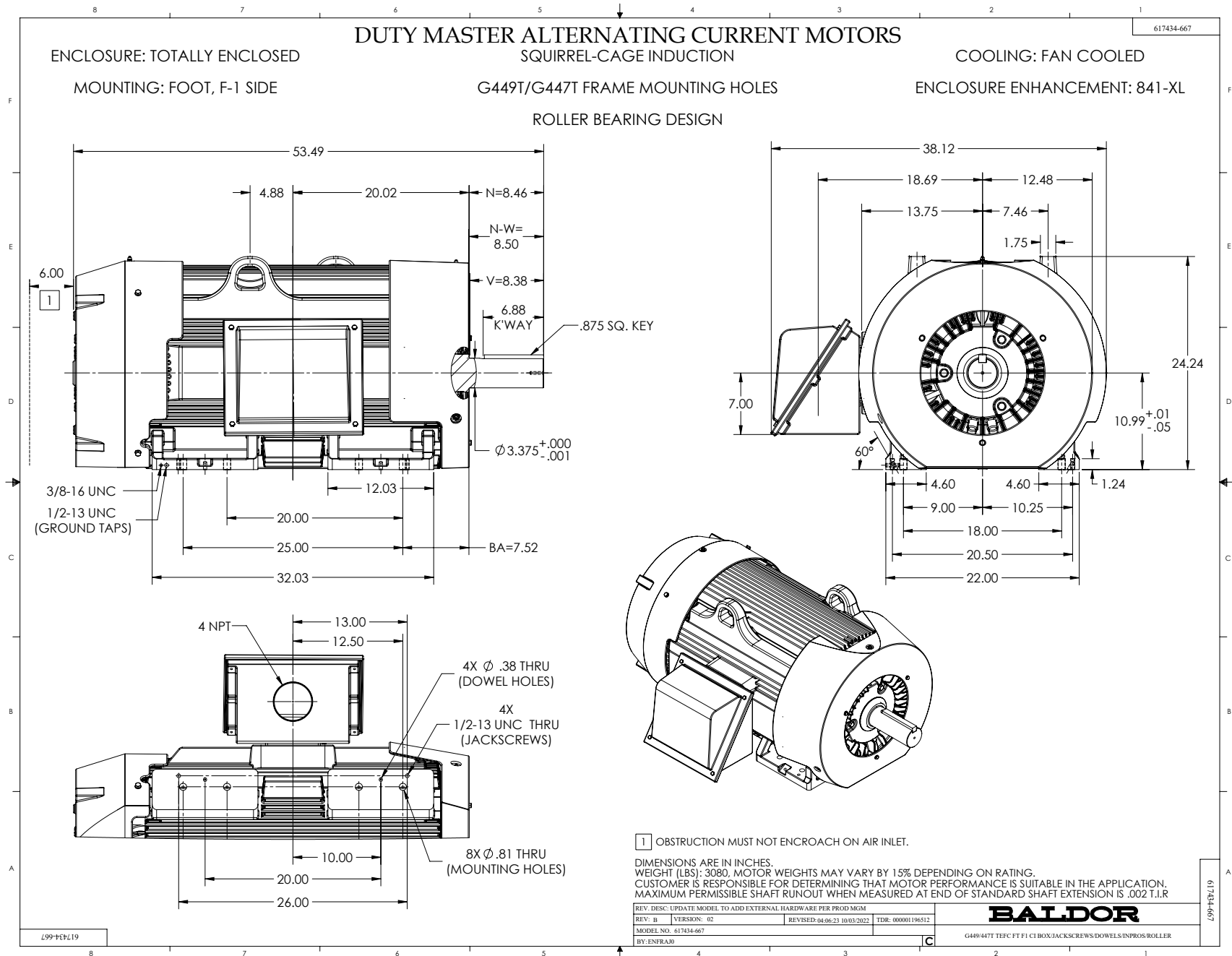
000613007EX				
CAT NO	ECP844206TR-4	SPEC NO.	A44-8470-1497	
NO. ROTOR BARS	71	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE	55.3	
5 YEAR WARRANTY		WINDING RES @25 C	.0220	OHMS
MFG. DATE		SER.NO		

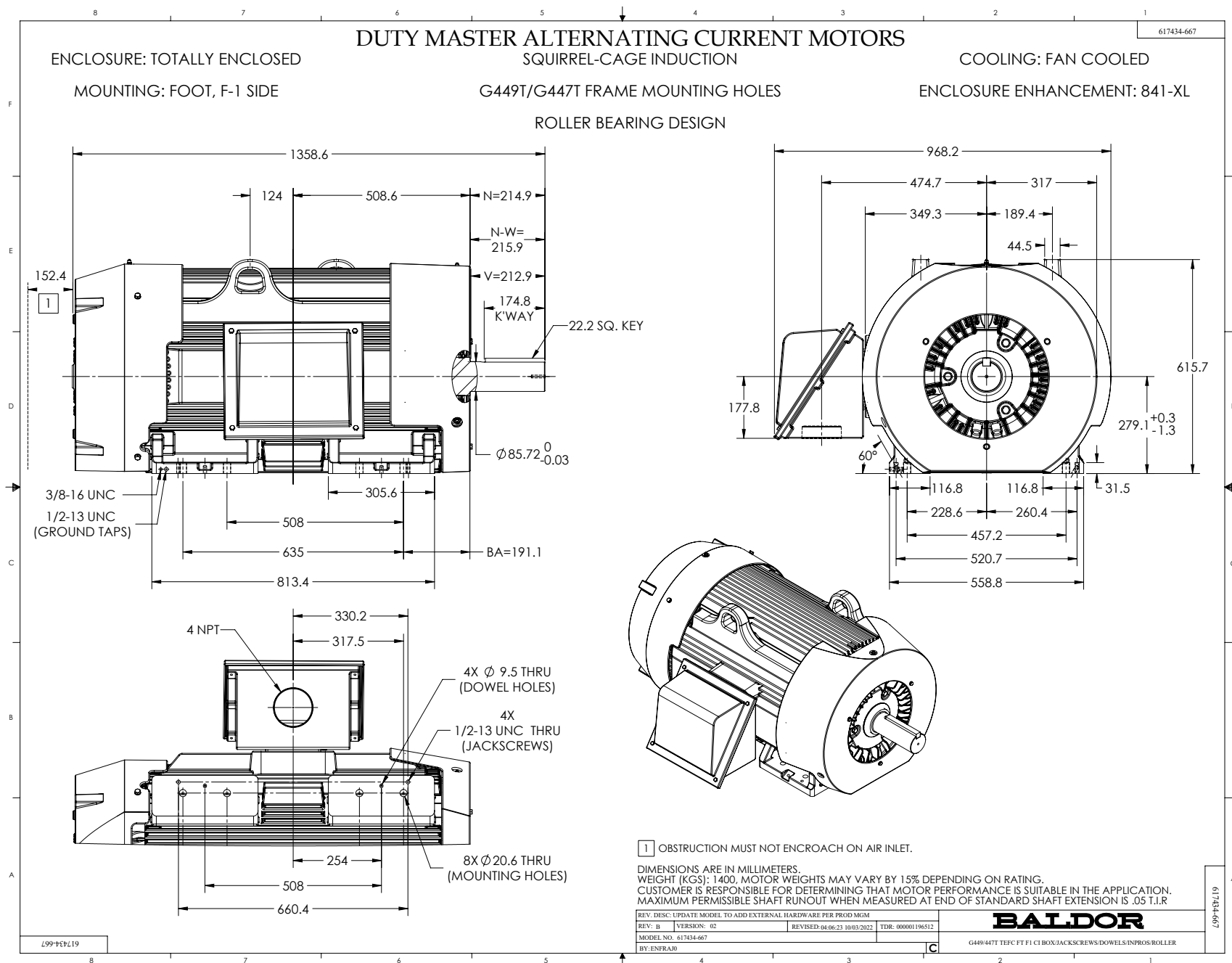
NP2496L	
MOBIL SHC -220 GREASE	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	200	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
225	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833245	418143-98-XE	---	---	.0220		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	56.0	1200	4.16	0	
1/4	50.1	86.8	1197	57.2	94.4	
2/4	100	126	1194	77.3	96.1	
3/4	150	173	1191	84.2	96.1	
4/4	200	226	1188	86.6	95.8	
5/4	250	282	1185	87.2	95.2	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	132	1163	1422		
PULL UP	240	96.3	850	1408		
BREAKDOWN	1150	243	2149	811		
FULL LOAD	1188	100	883	226		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 95.8 % GUARANTEED MIN. EFF. 95.0%						
 A MEMBER OF THE ABB GROUP		DR. BY G. R. WEBB CK. BY W. I. SMITH APP. BY W. I. SMITH DATE 10/08/10		A-C MOTOR PERFORMANCE DATA A44WG1497-R001 ISSUE DATE 01/06/21		



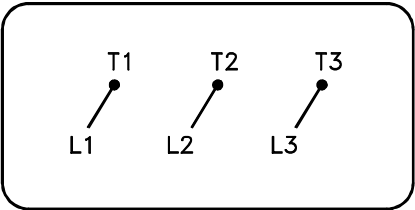






416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	