



Customer information packet

ECP84407TR-4

200HP, 1785RPM, 3PH, 60HZ, 447T, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	447T
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	1800 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	222.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	222.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG0690
Layout	617434-663
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	04
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	Other
Motor Type	A44120M
Mounting Arrangement	F1
No Load Current	60.4 a
Number of Poles	4
Overall Length	48.46 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	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

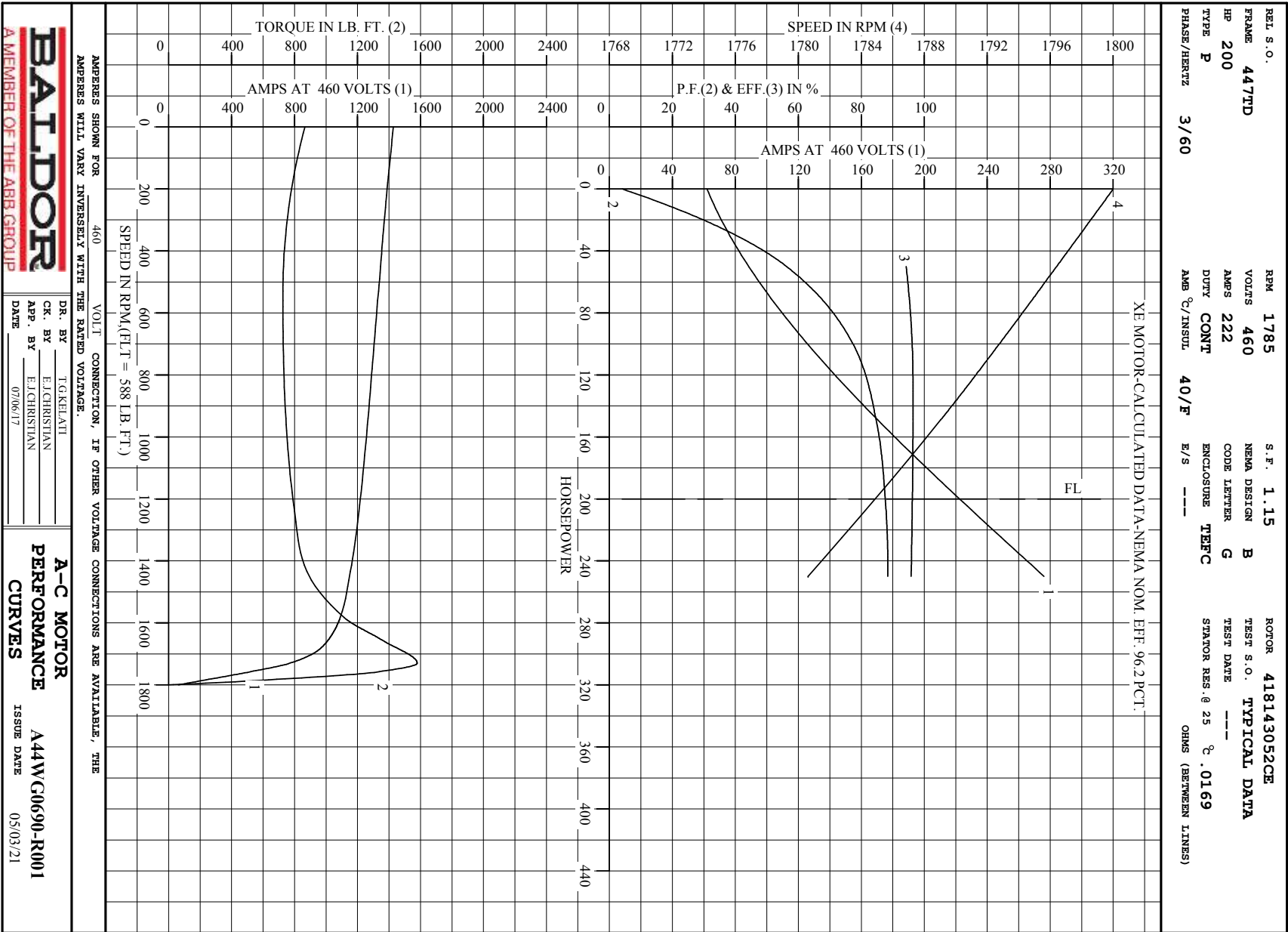
NP4566															
CAT NO	ECP84407TR-4			SPEC NO.		A44-5047-0690									
HP	200	AMPS		222		VOLTS		460		DESIGN		B			
FRAME SIZE	447T	RPM		1785		HZ		60	AMB		40	SF	1.15		
D.E. BRG.DATA	NU222		O.D.E. BRG.DATA			6318		PH		3	DUTY		CONT	INSUL.CLASS	F
D.E. BRG.	110RU02M30X			TYPE		ENCL		TEFC		CODE		G			
O.D.E. BRG.	90BC03J30X			POWER FACTOR				87		NEMA-NOM-EFFICIENCY				96.2	
3/4 LOAD EFF.	96.5	IP	56	MAX CORR KVAR				32.0		GUARANTEED EFFICIENCY				95.4	
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											

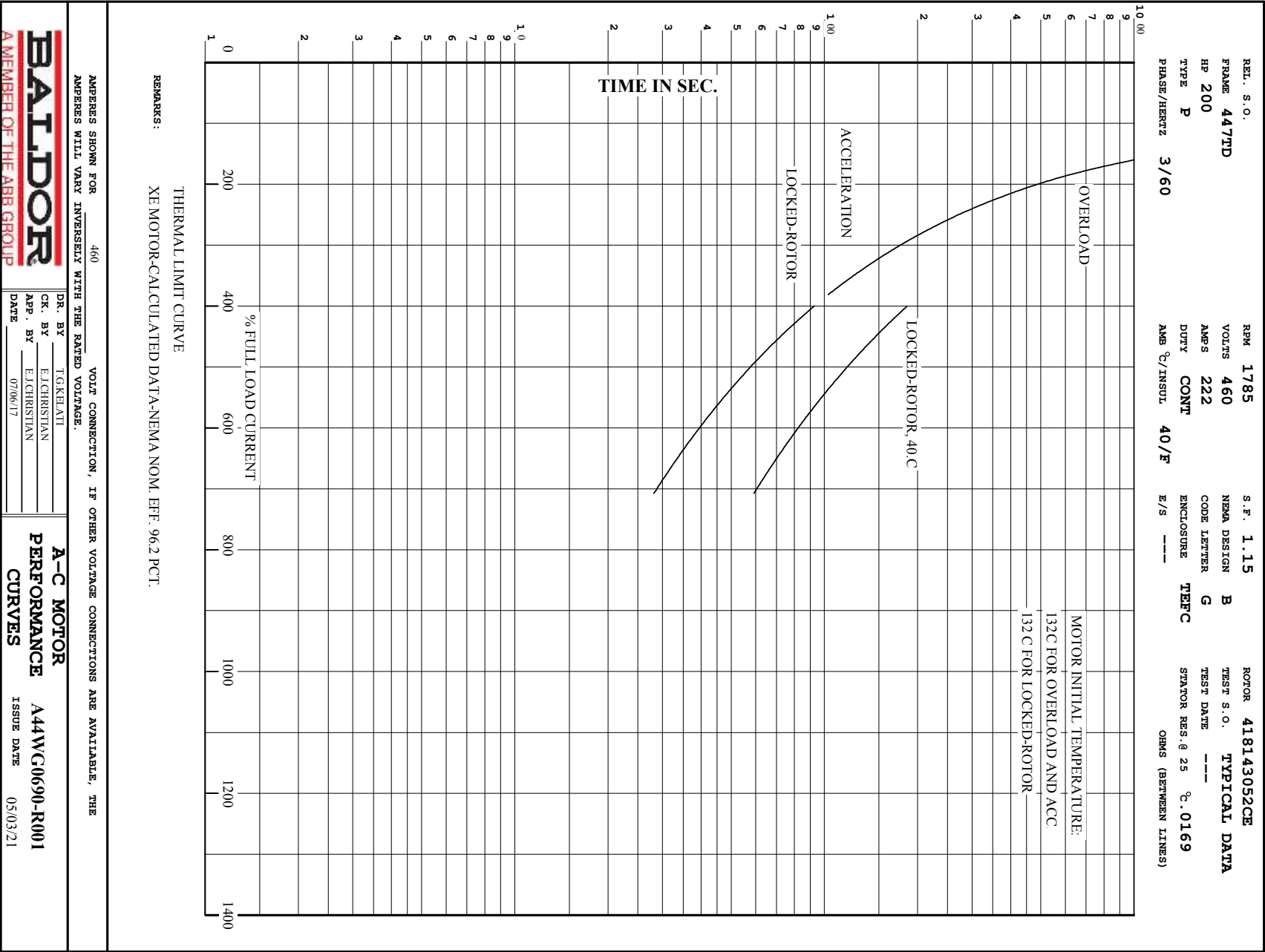
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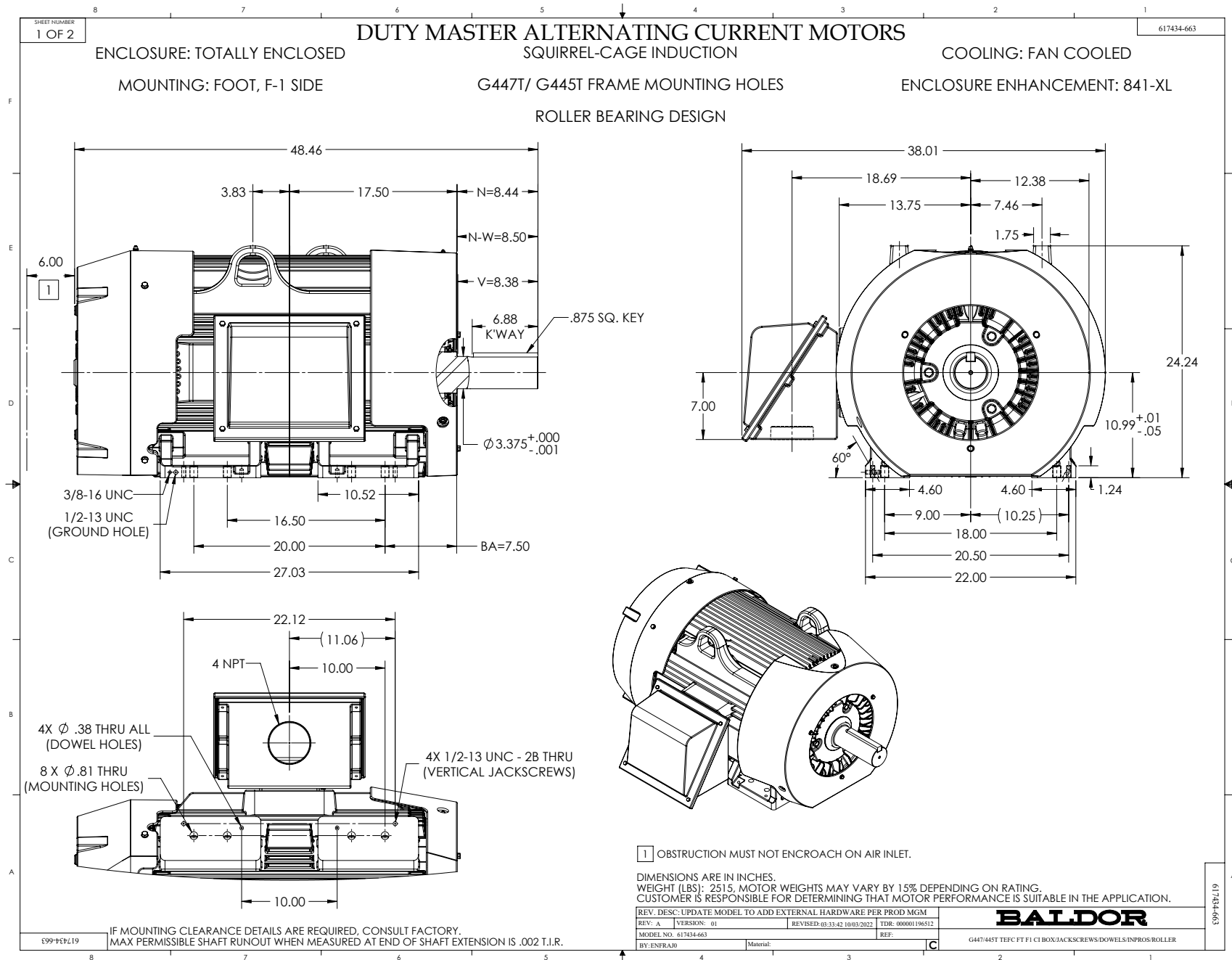
CAT NO	ECP84407TR-4	SPEC NO.	A44-5047-0690	
NO. ROTOR BARS	58	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	72	NL AMPS AT RATED VOLTAGE	60.4	
5 YEAR WARRANTY		WINDING RES @25 C	.0209	OHMS
MFG. DATE		SER.NO		

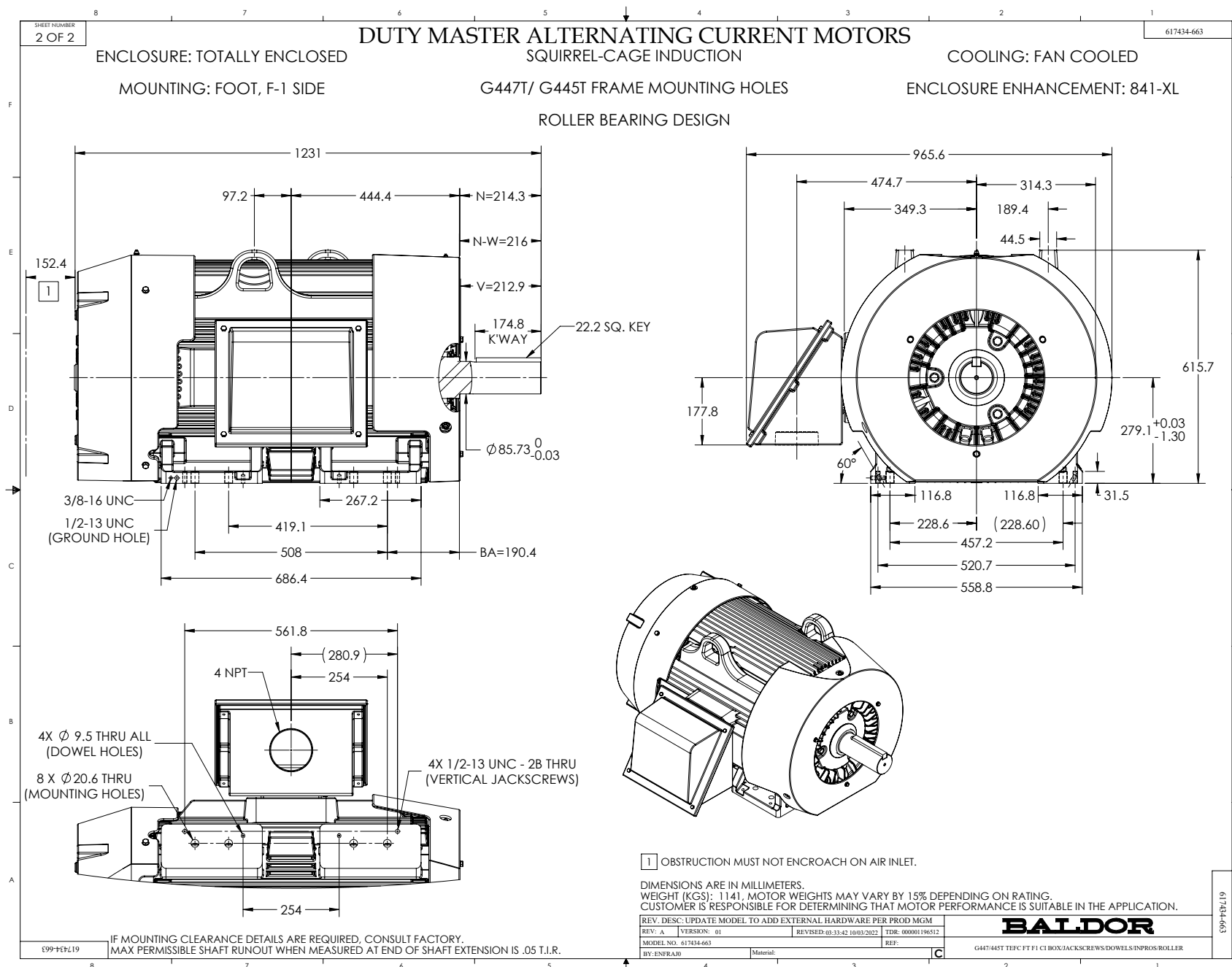
NP2496L	
MOBIL SHC -220 GREASE	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TD	200	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
222	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR		TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	
---	418143052CE		---	---	.0169	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %	
NO LOAD	0	62.0	1800	4.07	0	
1/4	50.0	88.3	1796	56.3	94.3	
2/4	100	126	1793	77.4	96.2	
3/4	150	172	1789	84.8	96.4	
4/4	200	222	1785	87.6	96.2	
5/4	250	276	1781	88.4	95.8	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0		147	865	1428	
PULL UP	540		123	726	1332	
BREAKDOWN	1730		268	1579	770	
FULL LOAD	1785		100	588	222	
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-CALCULATED DATA-NEMA NOM. EFF. 96.2 PCT.						
				A-C MOTOR PERFORMANCE DATA		
DR. BY T.G. KELATT CR. BY E.J. CHRISTIAN APP. BY E.J. CHRISTIAN DATE 07/06/17				A44WG0690-R001 ISSUE DATE 05/03/21		
A MEMBER OF THE ABB GROUP						









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
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