



Customer information packet

ECP84406TR-4

150HP, 1785RPM, 3PH, 60HZ, 445T, A4488M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	445T
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CCSAUSEEV UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	15-60
Current @ Voltage	169.000 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	169.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3335
Layout	617434-733
Eff. date	12-11-2023
CD Diagram	416820-036
Poles	04
Leads	3#1/0
Proprietary	False
Created date	04-01-2021

Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A4488M
Mounting Arrangement	F1
No Load Current	48.9 a
Number of Poles	4
Overall Length	44.97 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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

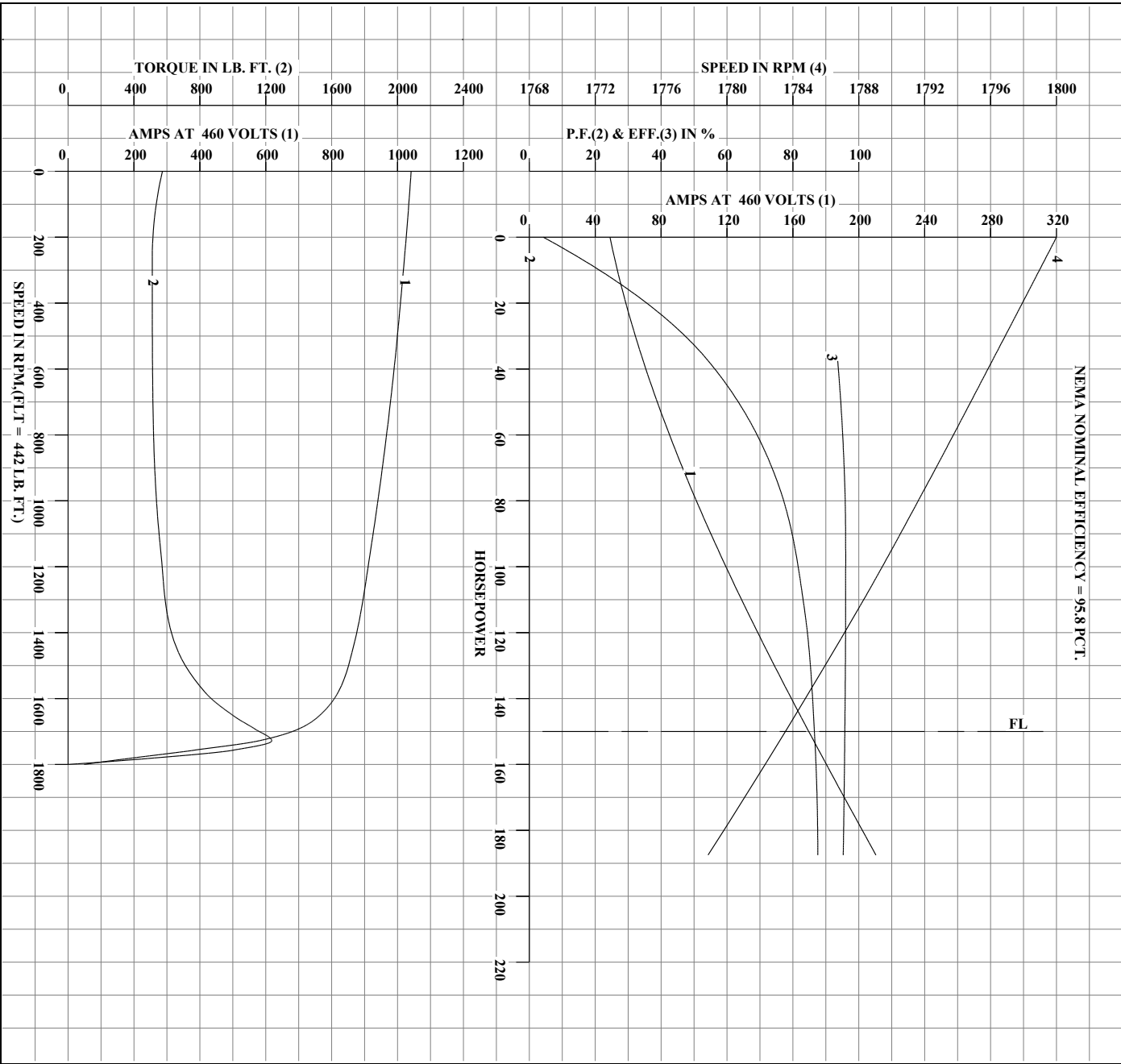
NP2496L	
MOBIL SHC -220 GREASE	

000613007EX				
CAT NO	ECP84406TR-4	SPEC NO.	A44-9320-3335	
NO. ROTOR BARS	58	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	72	NL AMPS AT RATED VOLTAGE		48.9
5 YEAR WARRANTY		WINDING RES @25 C	.0298	OHMS
MFG. DATE		SER.NO		

NP4566

CAT NO	ECP84406TR-4		SPEC NO.		A44-9320-3335							
HP	150	AMPS	169		VOLTS		460		DESIGN		B	
FRAME SIZE	445T	RPM	1785	HZ	60	AMB	40	SF	1.15			
D.E. BRG.DATA	6318	O.D.E. BRG.DATA			NU222		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	110RU02M30X		TYPE	ENCL	TEFC	CODE	F					
O.D.E. BRG.	90BC03J30X		POWER FACTOR			86		NEMA-NOM-EFFICIENCY			95.8	
3/4 LOAD EFF.	96.0	IP	56	MAX CORR KVAR			30		GUARANTEED EFFICIENCY			95
TEMP CODE	T3	TEMP =	200									
CHP HZ	60-90	CT HZ	15-60	VT HZ	0-60							
INVERTER-TEMP-CODE	T3											
SER.NO.				MOTOR WEIGHT								

REL.S.O.	445T	RPM	1785	S.F.	1.15	ROTOR	418143053AE
FRAME	445T	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	150	AMPS	169	CODE LETTER	F	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0298
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	498808	OHMS (BETWEEN LINES)	



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DRAWN BY: C.B. ATANGANE
CHECKED BY: C.E. JAMISON
APPROVED BY: C.E. JAMISON
DATE: 10/16/23

AC MOTOR
PERFORMANCE
DATA

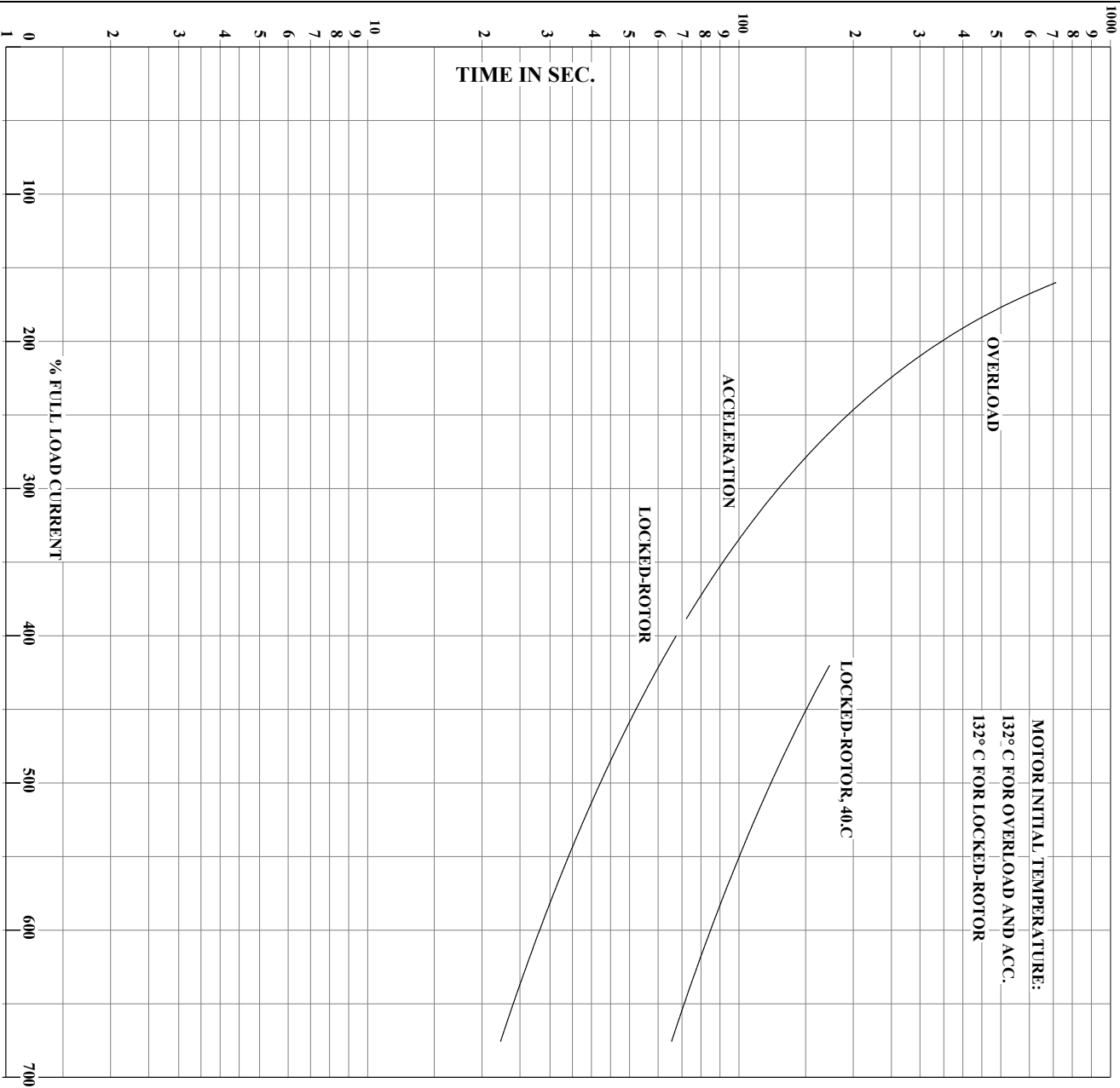
A44WG3335-R001

ISSUE DATE 02/03/25

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REL.S.O.		RPM 1785	S.F. 1.15	ROTOR 418143053AE
FRAME 445T		VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 150		AMPS 169	CODE LETTER F	TEST DATE ---
TYPE P		DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0298
PHASE / HERTZ 3/60		AMB °C / INSUL 40/F	E/S 498808	OHMS (BETWEEN LINES)



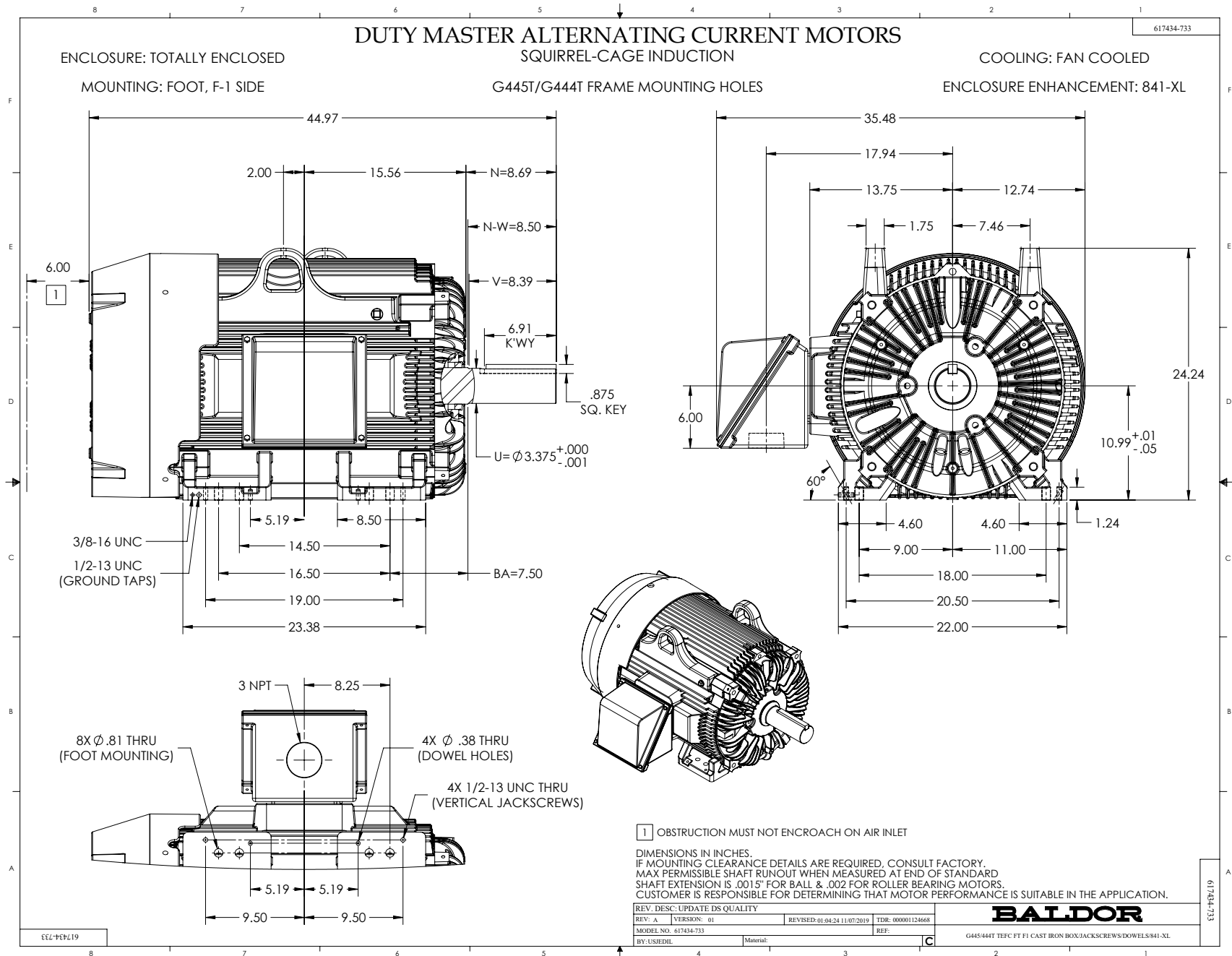
Thermal Limit Curve
NEMA Nominal Efficiency = 95.8 PCT.

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	DRAWN BY: C.B.ATANGANE CHECKED BY: C.E.JAMISON APPROVED BY: C.E.JAMISON DATE: 10/16/23	AC MOTOR PERFORMANCE DATA	A44WG3335-R001
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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