



Customer information packet

ECP84411T-4

125HP, 1188RPM, 3PH, 60HZ, 445T, TEFC, F1

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	125.000 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	15-60
Current @ Voltage	146.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	146.0 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.	A44WG3350
Layout	617434-660
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	06
Leads	3#1
Proprietary	False
Created date	12-12-2018

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	None
Motor Type	A44090M
Mounting Arrangement	F1
No Load Current	50.2 a
Number of Poles	6
Overall Length	44.97 IN
Power Factor	84
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	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1188 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4566													
CAT NO	ECP84411T-4			SPEC NO.		A44-5000-3350							
HP	125	AMPS	146		VOLTS		460		DESIGN	B			
FRAME SIZE	445T	RPM	1188	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			84		NEMA-NOM-EFFICIENCY			95	
3/4 LOAD EFF.	95.3	IP	56	MAX CORR KVAR			30.0		GUARANTEED EFFICIENCY			94.1	
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									

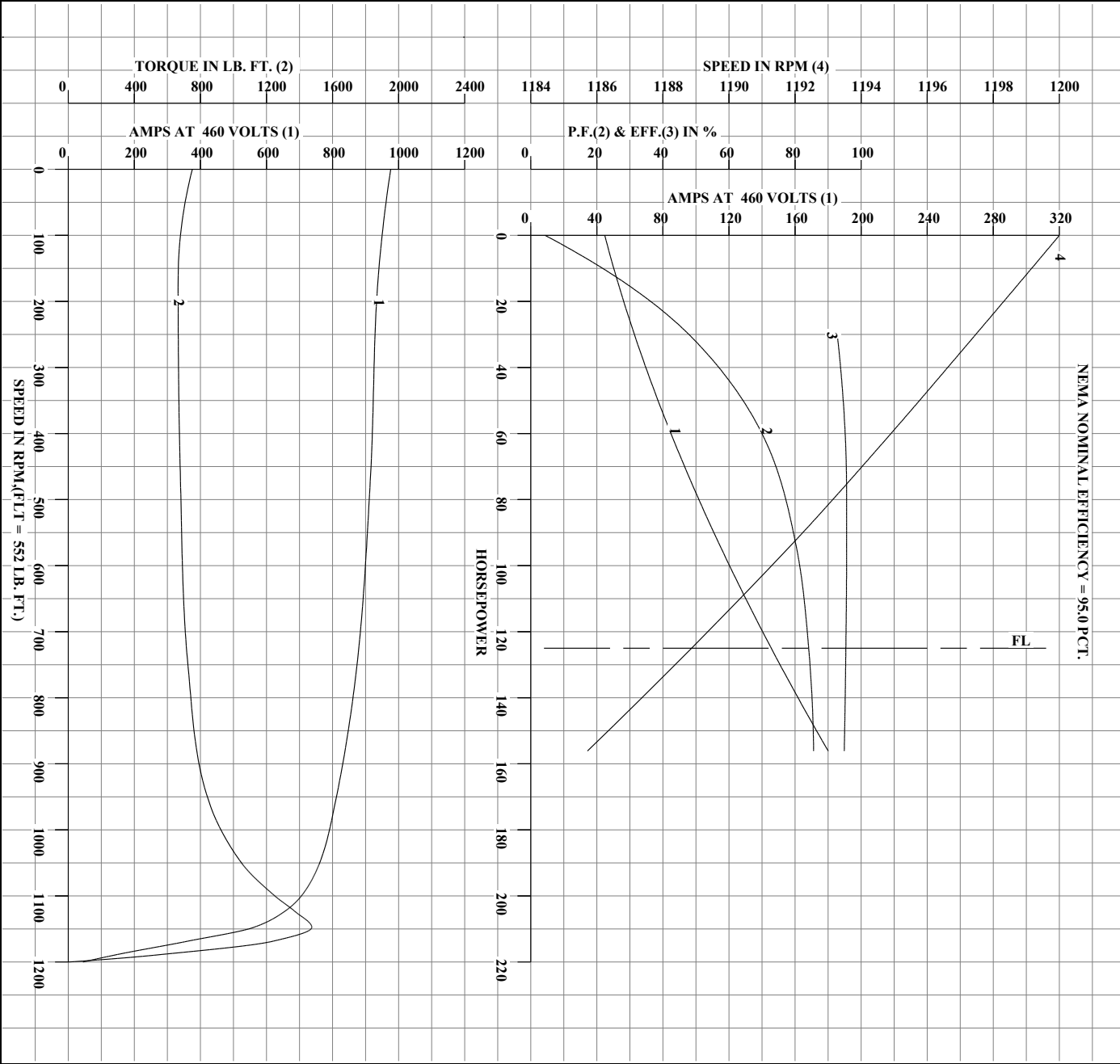
000613007EX				
CAT NO	ECP84411T-4	SPEC NO.	A44-5000-3350	
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		50.2
5 YEAR WARRANTY		WINDING RES @25 C	.0364	OHMS
MFG. DATE		SER.NO		

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	125	P	3/60	1188	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
146	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
498802	418143098ME	---	---	.0377		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	44.6	1200	4.33	0	
1/4	31.3	64.2	1197	49.1	92.9	
2/4	62.5	86.3	1195	71.2	95.3	
3/4	93.7	114	1192	80.3	95.6	
4/4	125	146	1189	84.1	95.4	
5/4	156	180	1186	85.6	94.9	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	136	751	976	
PULL UP		168	120	665	938	
BREAKDOWN		1148	267	1474	561	
FULL LOAD		1189	100	552	146	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA NOMINAL EFFICIENCY = 95.0 PCT.						
		DRAWN BY: W.L. SMITH CHECKED BY: J.J. HARRISON APPROVED BY: W.L. SMITH DATE: 04/20/10		AC MOTOR PERFORMANCE DATA	A44W/G3350-R001 DATE ISSUED 08/09/19	

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REL.S.O.	FRAME 445T	RPM 1188	S.F. 1.15	ROTOR 418143098ME
HP 125	VOLTS 460	AMPS 146	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	CODE LETTER G	ENCLOSURE TEFC	TEST DATE ---
PHASE / HERTZ 3/60	AMB °C / INSUL. 40/F	E/S 498802	STATOR RES. @ 25°C .0377	STATOR RES. @ 25°C .0377
			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: W.L. SMITH
CHECKED BY: J.J. HARRISON
APPROVED BY: W.L. SMITH
DATE: 04/20/10

AC MOTOR
PERFORMANCE
DATA

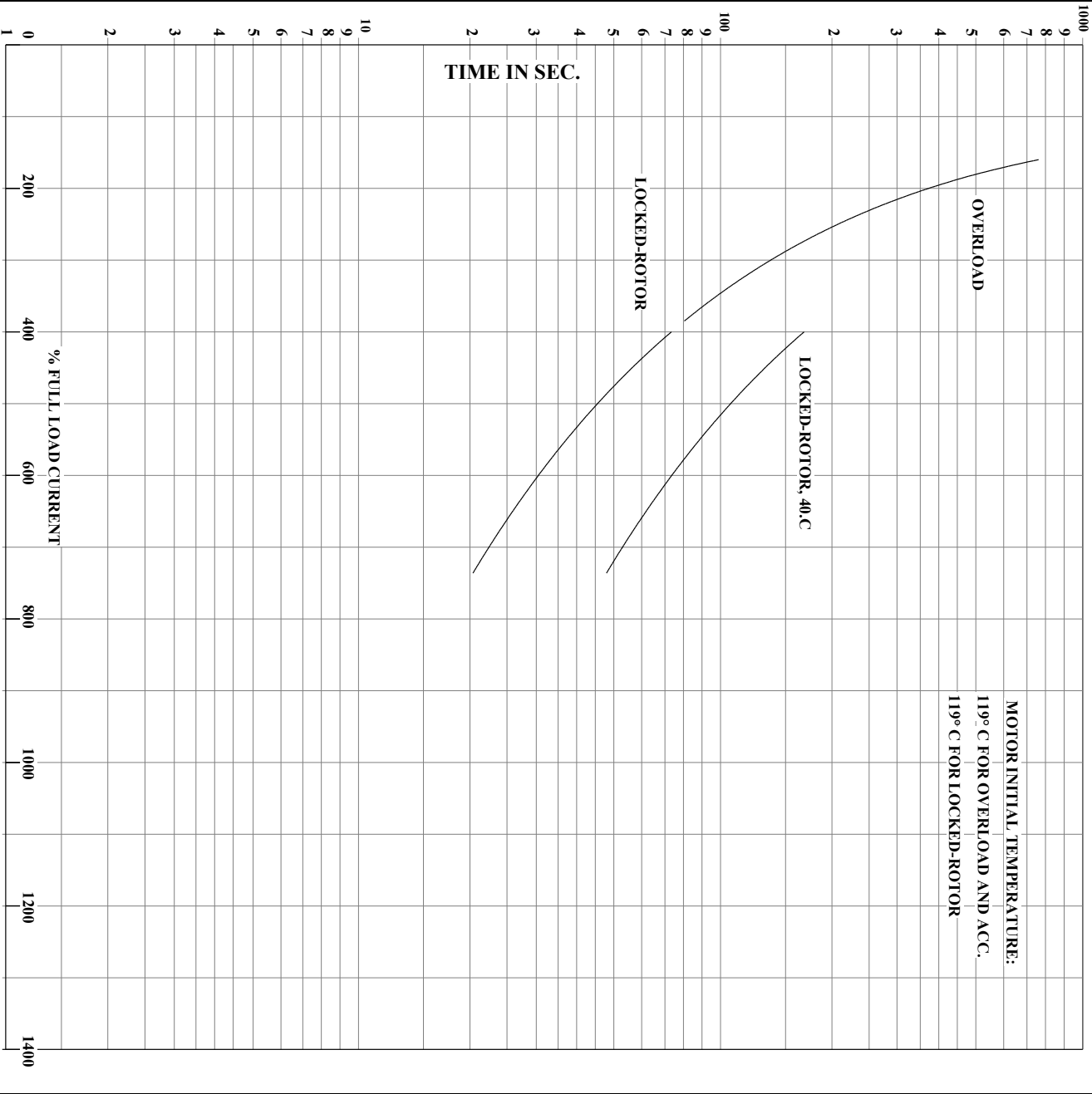
A44WCG3350-R001

ISSUE DATE 08/09/19

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HP 125	VOLTS 460	AMPS 146	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	CODE LETTER G	ENCLOSURE TEFC	TEST DATE --
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 498802	STATOR RES. @ 25°C .0377	OHMS (BETWEEN LINES)



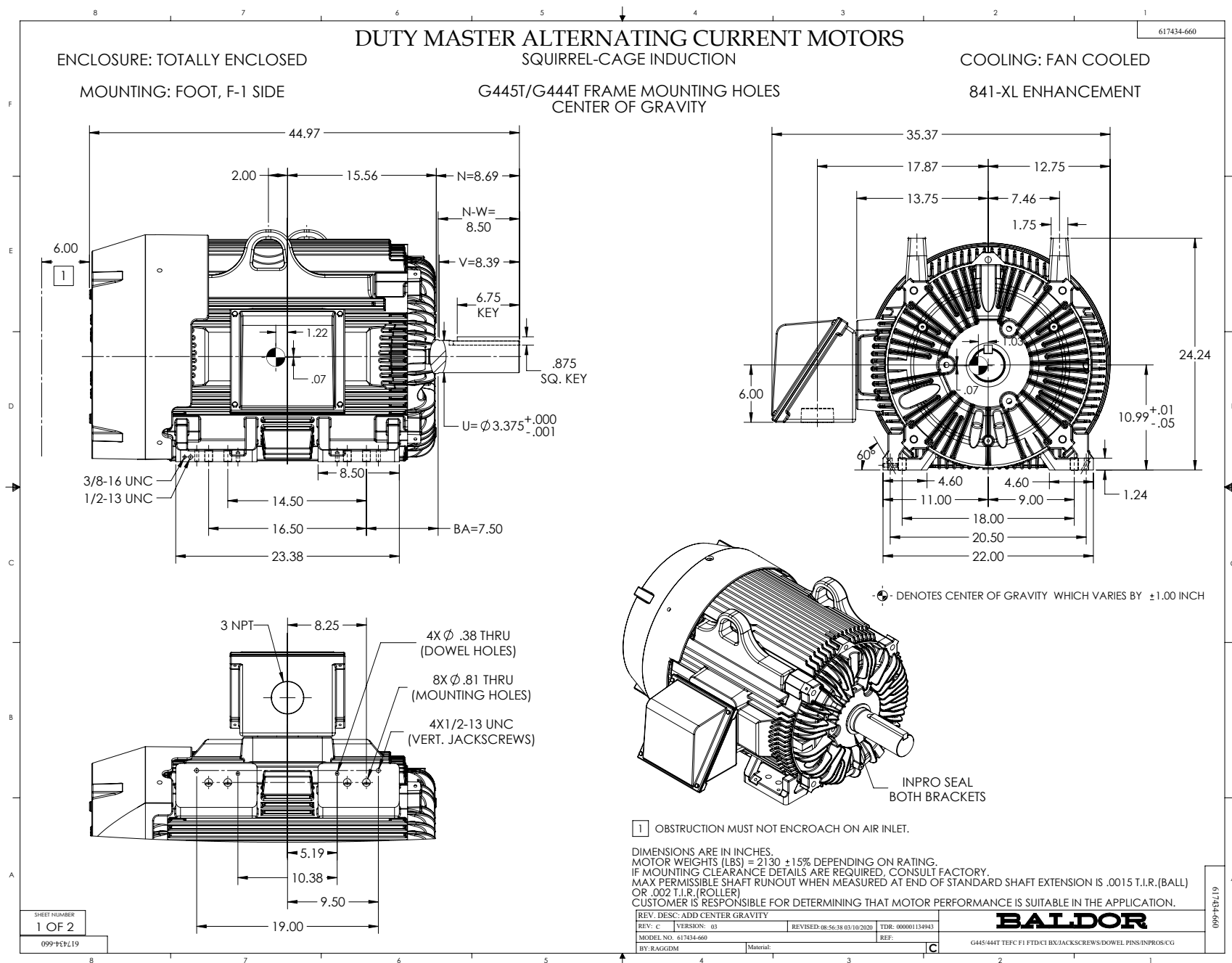
Thermal Limit Curve
NEMA Nominal Efficiency = 95.0 PCT.

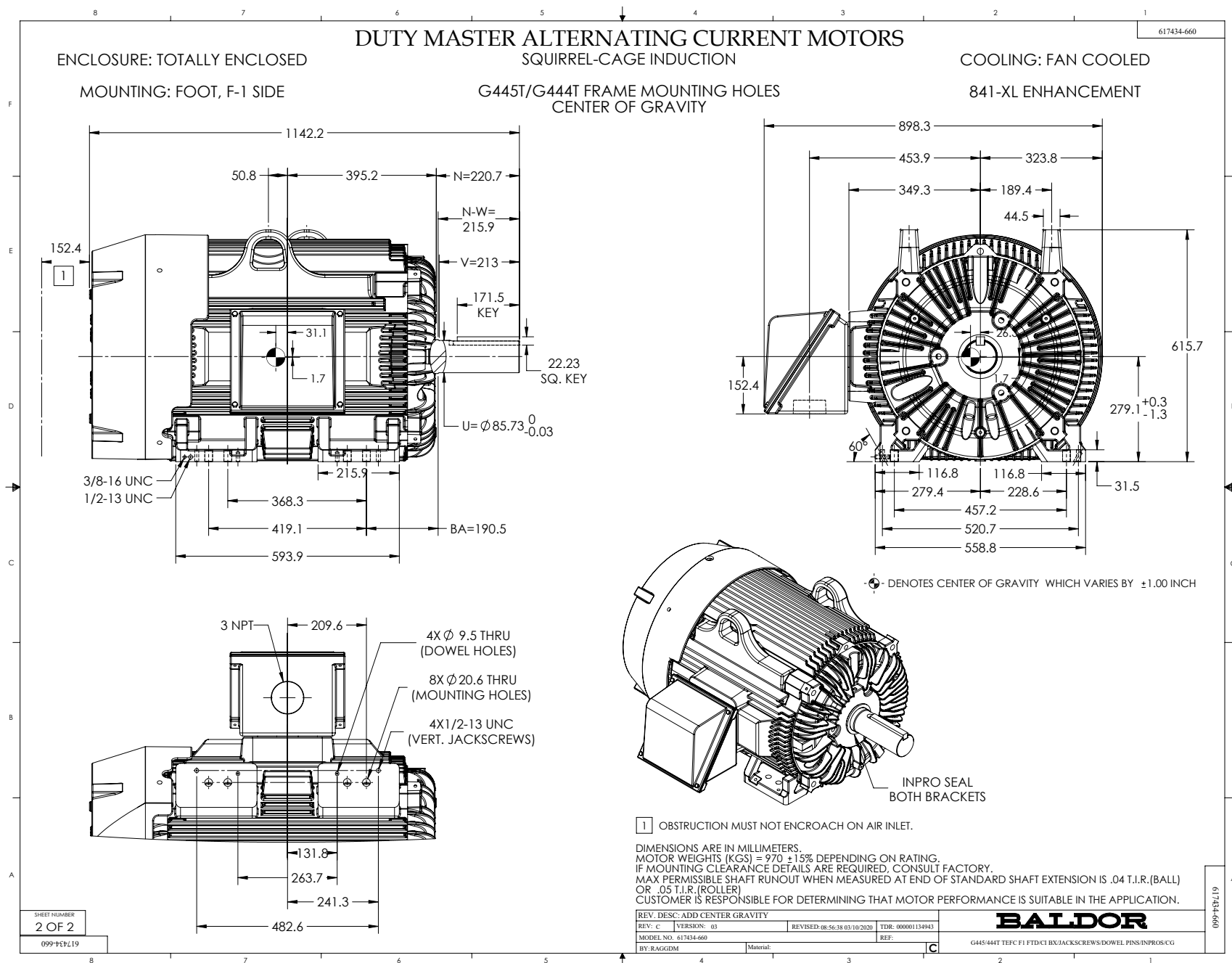
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416820-036

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