



Customer information packet

DRX441544T

150HP, 1785RPM, 3PH, 60HZ, 445T, TEFC, F1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	TEFC
Frame	445T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
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	UL CSA CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	10-60
Current @ Voltage	169.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	169.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3335
Layout	617426-001
Eff. date	05-06-2024
CD Diagram	416820-036
Poles	04
Leads	3#1/0
Proprietary	False
Created date	03-11-2019

Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A4488M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	44.97 IN
Power Factor	86
Product Family	General Industrial
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	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L	
MOBIL POLYREX EM	

000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T3C	

NP3140L

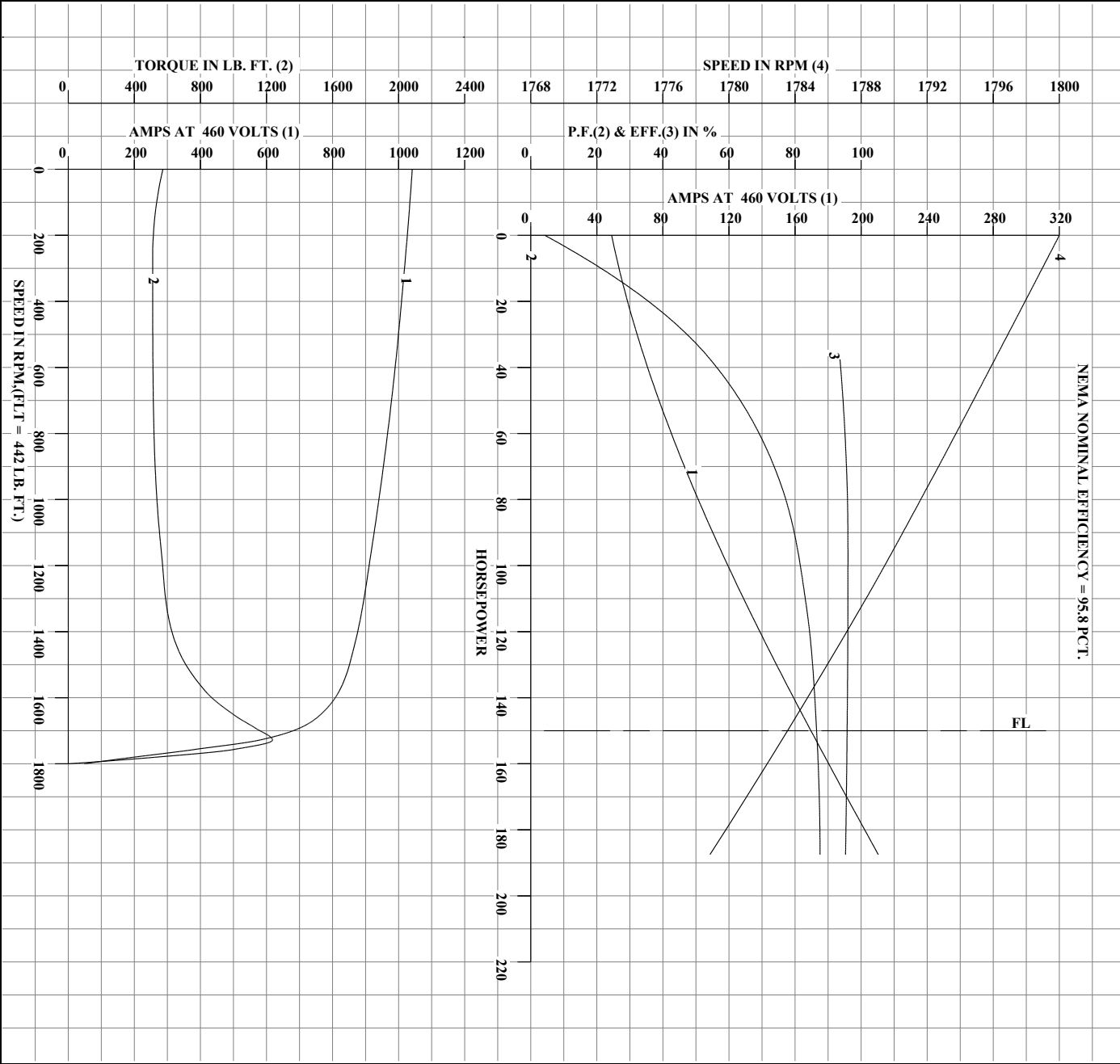
SPEC NO.	A44-9223-3335			CAT.NO.	DRX441544T					FRAME	445T
HP	150	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	169		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC	CODE	F					
SF	1.15	WK2	51.1	MAG CUR	48.9		RPM MAX	3600			
CT HZ	10-60	VT HZ	0-60	CHP HZ	60-90		NEMA-NOM-EFF		95.8		
	SUIT FOR 55C AMB AT 1.00 SF					IP55					
SER.NO.				MOTOR WEIGHT							

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	150	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
169	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
498808	418143053AE	---	---	.0298		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	48.9	1800	4.26	0	
1/4	37.6	69.1	1796	54.3	93.6	
2/4	75.0	97.1	1792	75.6	95.7	
3/4	112	131	1788	83.4	96.0	
4/4	150	169	1784	86.5	95.8	
5/4	188	210	1779	87.6	95.3	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	130	572	1041	
PULL UP		270	116	511	1020	
BREAKDOWN		1729	280	1237	579	
FULL LOAD		1784	100	442	169	
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 = 95.8 PCT.						
		DRAWN BY: C.BATANGANE CHECKED BY: C.EJAMISON APPROVED BY: C.EJAMISON DATE: 10/16/23		AC MOTOR PERFORMANCE DATA	A44W/G3335-R001 DATE ISSUED 02/03/25	

USCHATA

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REL.S.O.	445T	RPM	1785	S.F.	1.15	ROTOR	418143053AE
FRAME	150	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)	



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

AC MOTOR
PERFORMANCE
DATA

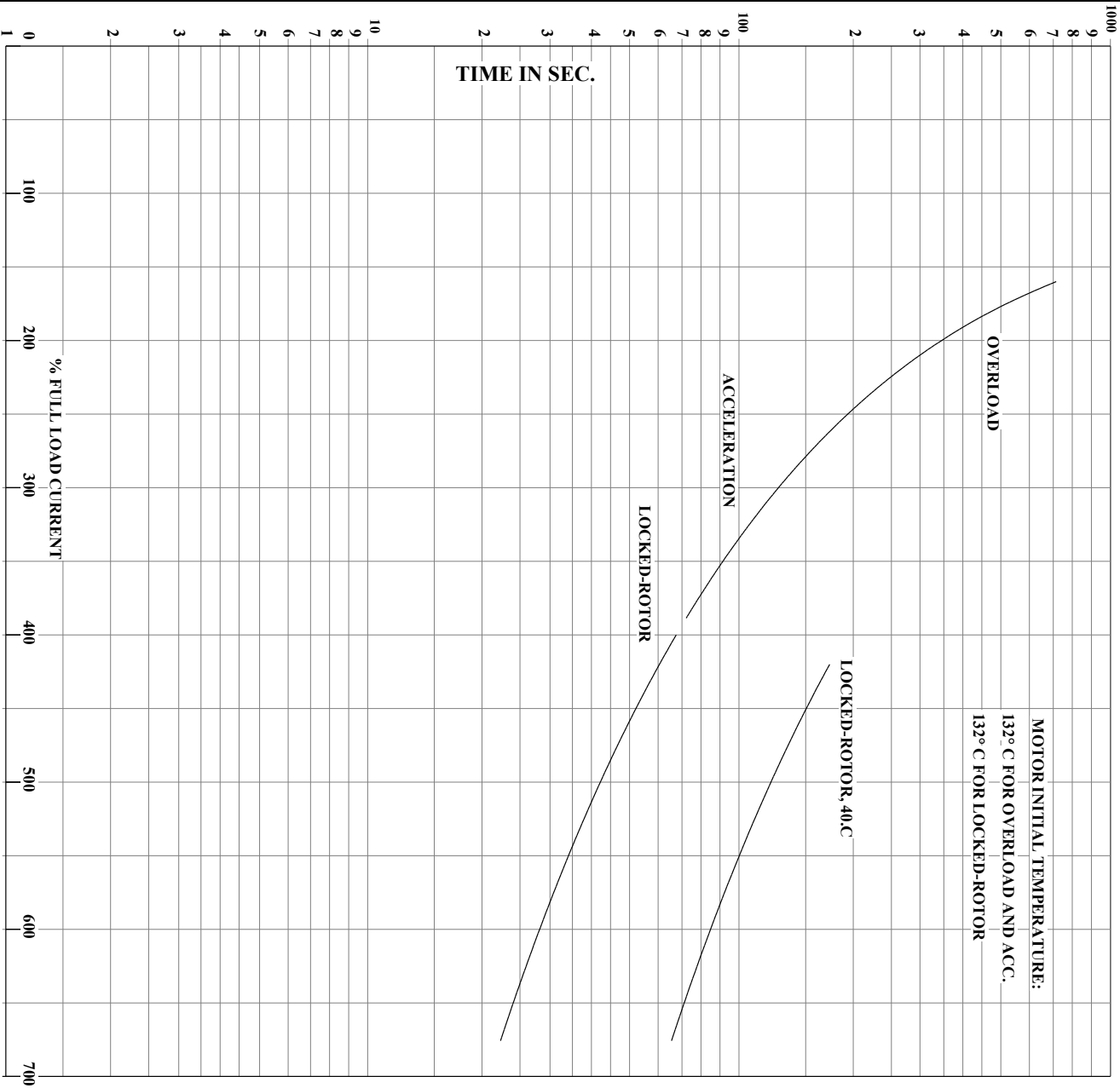
A44WCG3335-R001

ISSUE DATE 02/03/25

USCHATA

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



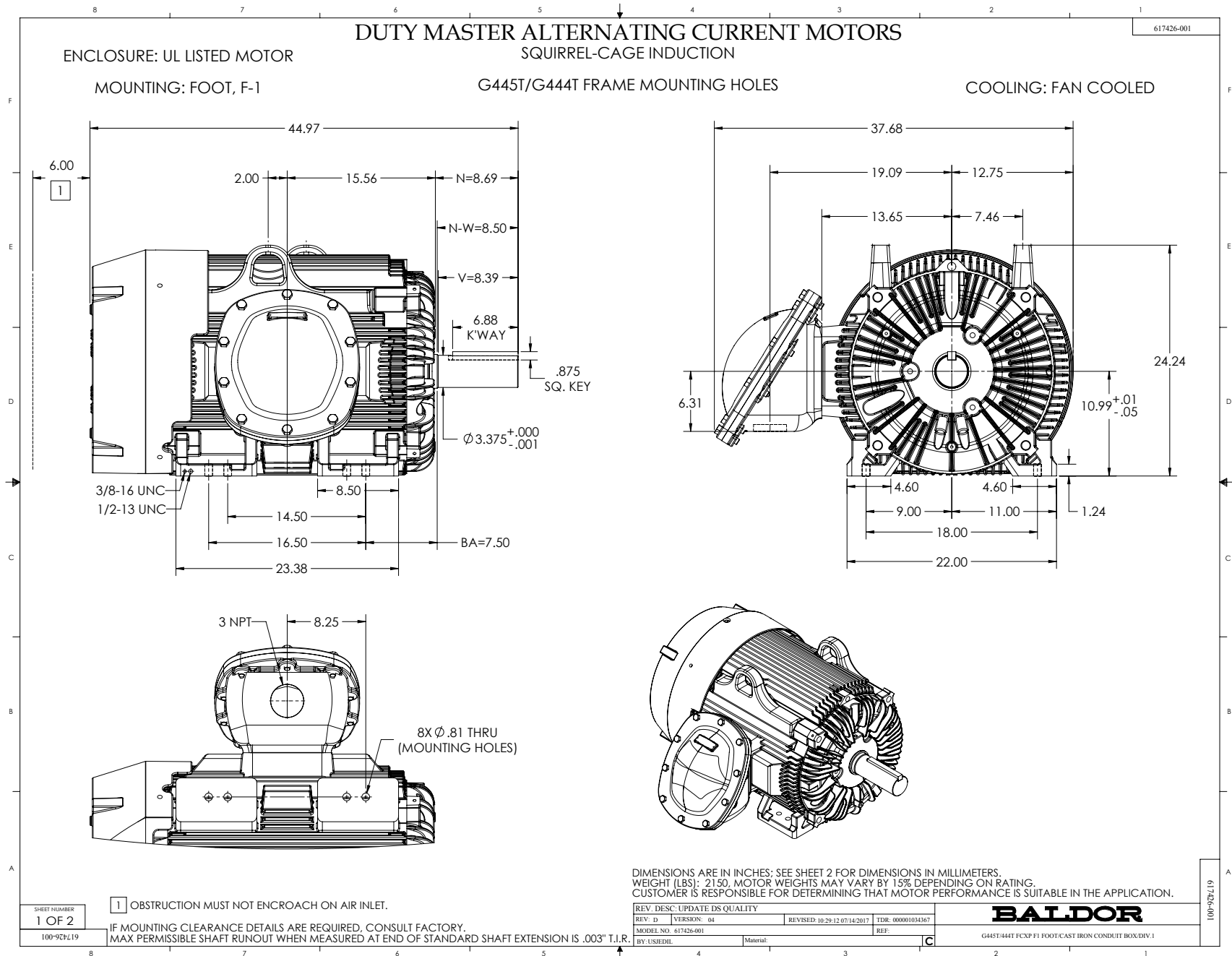
Thermal Limit Curve
NEMA Nominal Efficiency = 95.8 PCT.

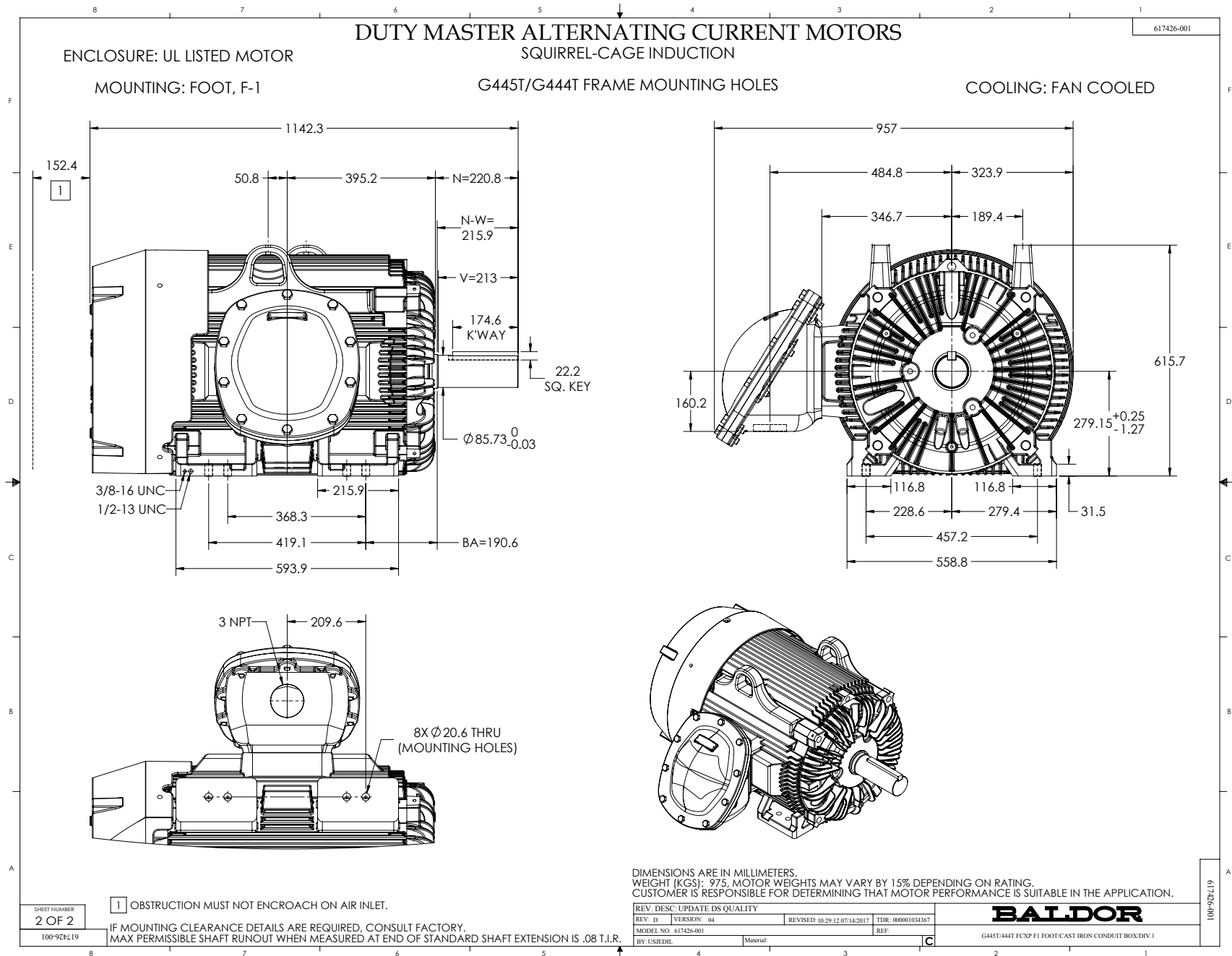
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: C.B.ATANGANE	AC MOTOR PERFORMANCE DATA	A44WG3335-R001
	CHECKED BY: C.E.JAMISON APPROVED BY: C.E.JAMISON DATE: 10/16/23		ISSUE DATE 02/03/25

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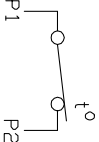
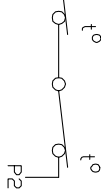
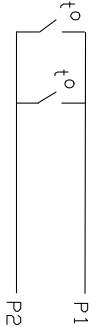
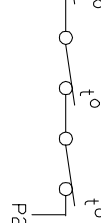
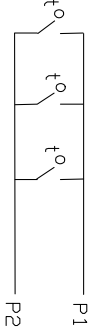
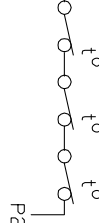
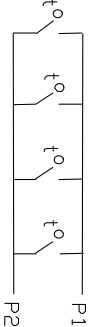
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CONNECTION DIAGRAM
ACCESSORIES

MOTOR WINDING THERMOSTATS		
CONTACTS _____ @ _____ °C		
FIGURE NUMBER _____		
CONTACT RATING		
VOLTS	CONTINUOUS AMPERES	INRUSH AMPERES
110-120	3.0	30
220-240	1.5	15
440-480	0.75	7.5
550-600	0.60	6.0

THERMOSTATS	
NORMALLY CLOSED	NORMALLY OPEN
FIGURE 1 	FIGURE 4 
FIGURE 2 	FIGURE 5 
FIGURE 3 	FIGURE 6 
FIGURE 7 	FIGURE 8 

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

418174-006

418174-006

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
MTL: -		

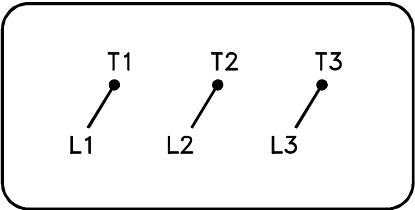
BALDOR

A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

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