



Customer information packet

CECP4312T

50HP, 1185RPM, 3PH, 60HZ, 365TC, A36062M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365TC
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	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	61.700 A @ 460.0 V 135.000 A @ 208.0 V 123.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	61.7 a

Part detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0466
Layout	617428-136
Eff. date	08-26-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	11-27-2013

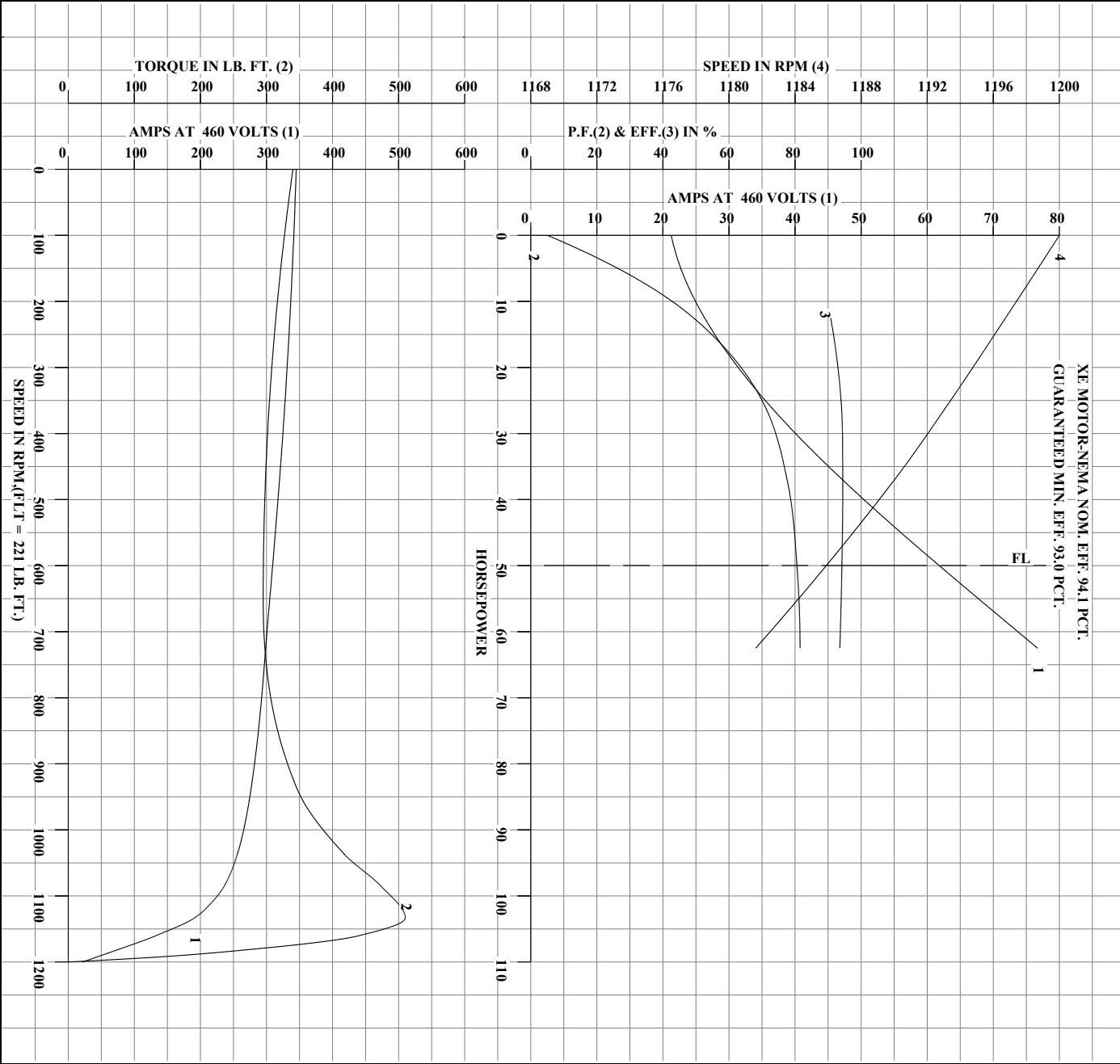
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.44 IN
Power Factor	81
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA														
CAT #		CECP4312T				SER				CC	010A			
SPEC		A36-4049-0466				RATING		40C AMB-CONT						
HZ		VOLTS		AMPS		RPM	HP	CODE	SF	DES	PF	NEMA NOM. EFF		
60		230/460		123/61.7		1185	50	F	1.15	B	81	%	94.1	%
												%		%
PH	3	CL	F	MAX RPM	1800	MAX CORR KVAR		14						
BRG		DE	6313	ODE	6313	ENCL	TEFC	FR	365TC	IP	55			
GREASE		POLYREX EM							MTR WT		893	LBS		
CL I DIV 2 GRPS A,B,C,D					CL I ZONE 2 GRPS				IIA,IIB,IIC			TEMP T	200	C
INV READY		CT	15-60	HZ	4:1	VT	3-60	HZ	20:1	CHP	60-90	HZ	1.5:1	
INV TEMP CL			200	C	USABLE AT		50HZ 40HP 190/380V 120/60A					SF1.0		

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	50	P	3/60	1185	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
123/61.7	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
892104	418141-74EE	---	---	.0325/130		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	21.3	1200	5.08	0	
1/4	12.5	26.2	1197	49.4	90.8	
2/4	25.0	35.6	1193	70.0	93.9	
3/4	37.5	47.8	1190	77.8	94.4	
4/4	50.0	61.7	1186	80.6	94.2	
5/4	62.5	76.7	1182	81.5	93.6	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0		154	340	345	
PULL UP	650		133	295	305	
BREAKDOWN	1133		230	510	191	
FULL LOAD	1186		100	221	61.7	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA NOM. EFF. 94.1 PCT. GUARANTEED MIN. EFF. 93.0 PCT.						
DRAWN BY: W.L. SMITH CHECKED BY: J.HARRISON APPROVED BY: W.L. SMITH DATE: 12/07/05		AC MOTOR PERFORMANCE DATA		A36WG0466-R003 DATE ISSUED 12/14/10		

REL.S.O.	FRAME 365T	RPM 1185	S.F. 1.15	ROTOR 418141-74EE
HP 50		VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P		AMPS 123/61.7	CODE LETTER F	TEST DATE ---
PHASE / HERTZ 3/60		DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0325/.130
		AMB °C / INSUL. 40/F	E/S 892104	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230/460 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: 12/07/05

AC MOTOR
PERFORMANCE
DATA

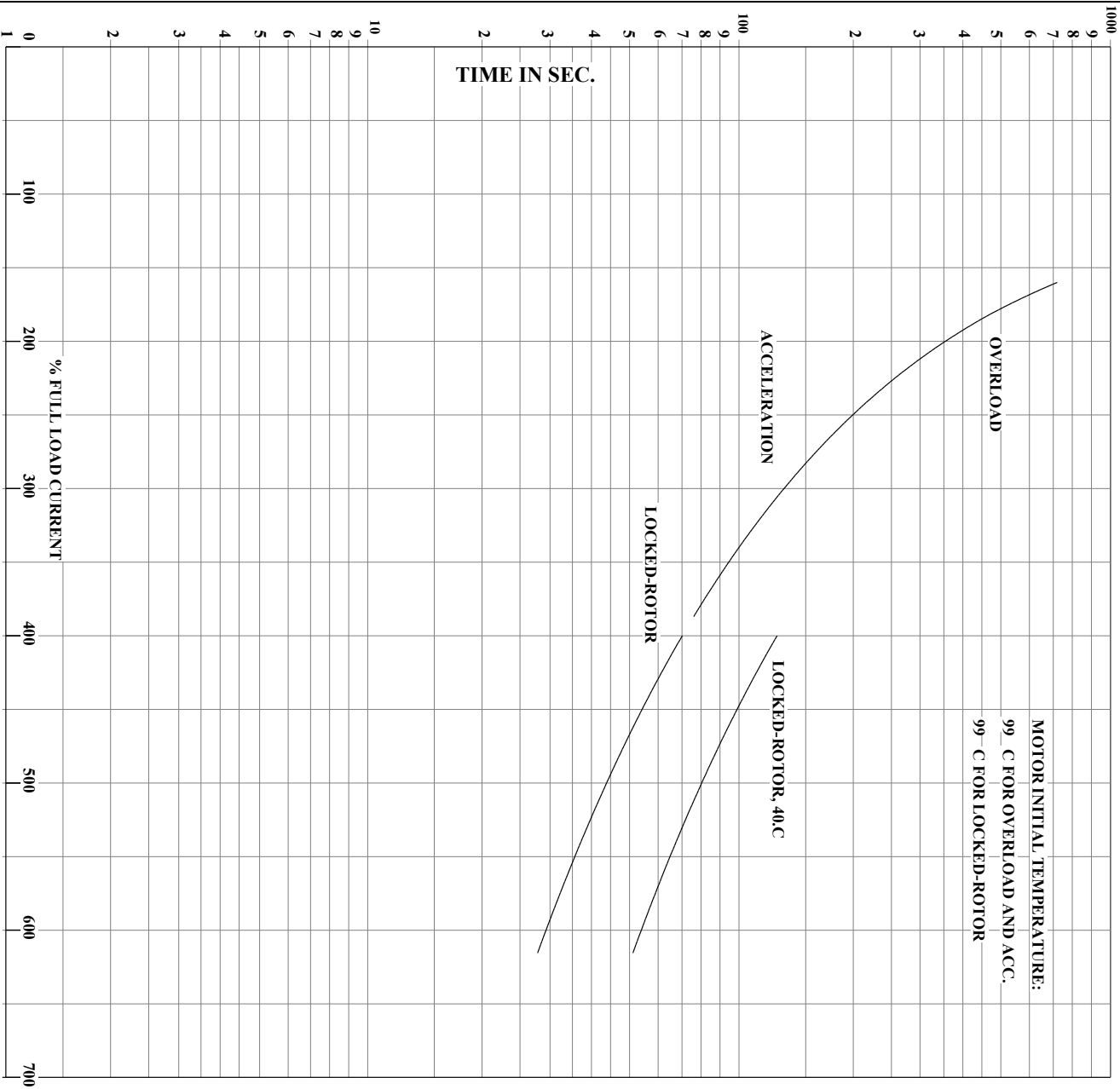
A36WG0466-R003

ISSUE DATE 12/14/10

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REL.S.O.	RPM 1185	S.F. 1.15	ROTOR 418141-74EE
FRAME 365T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 50	AMPS 123/61.7	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0325/.130
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 892104	OHMS (BETWEEN LINES)



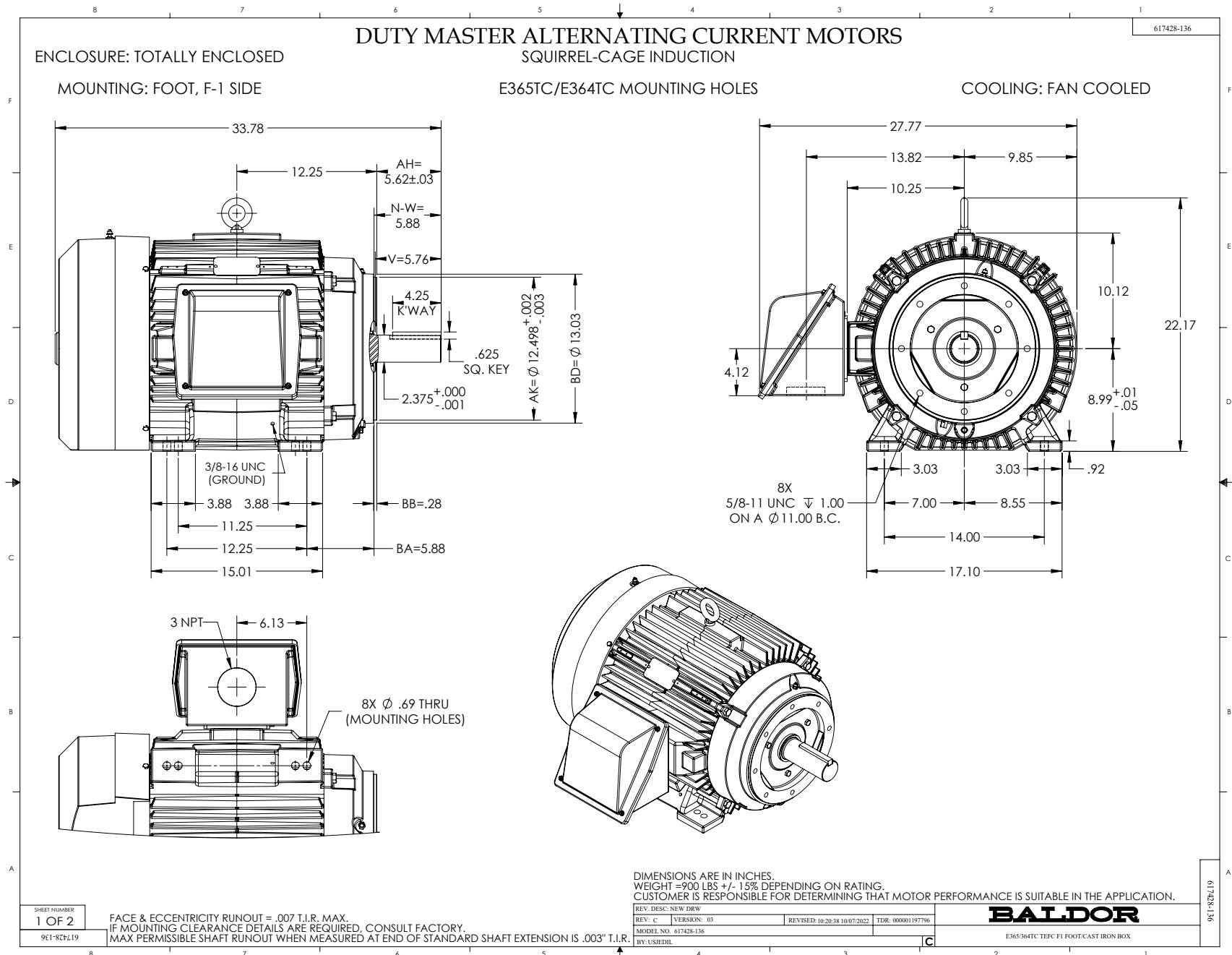
Thermal Limit Curve
XE MOTOR-NEMA NOM. EFF. 94.1 PCT.

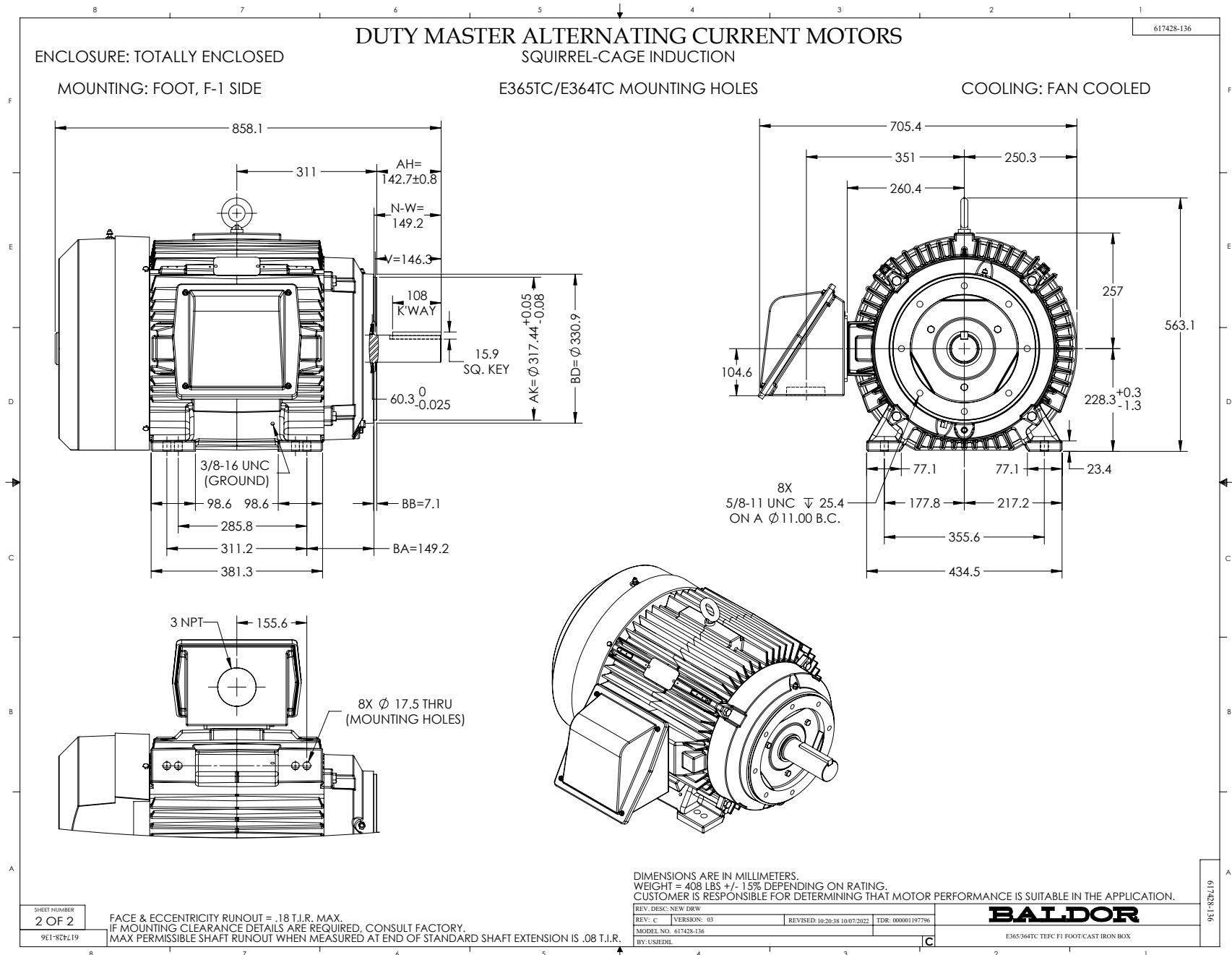
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416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

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REV. LTR: A	VERSION: 01	TDR: 000001009382
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CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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