



Customer information packet

EM44402T-4

400HP, 3570RPM, 3PH, 60HZ, L449TS, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	L449TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	400.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	420.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	420.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Motor Lead Quantity/Wire Size	12 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1

Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5211
Layout	617435-427
Eff. date	11-06-2020
CD Diagram	416820-036
Poles	02
Leads	3#1/0 (04 per group)
Proprietary	False
Created date	06-05-2017

Number of Poles	2
Overall Length	56.72 IN
Power Factor	92
Product Family	General Industrial
Pulley End Bearing Type	Ball
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

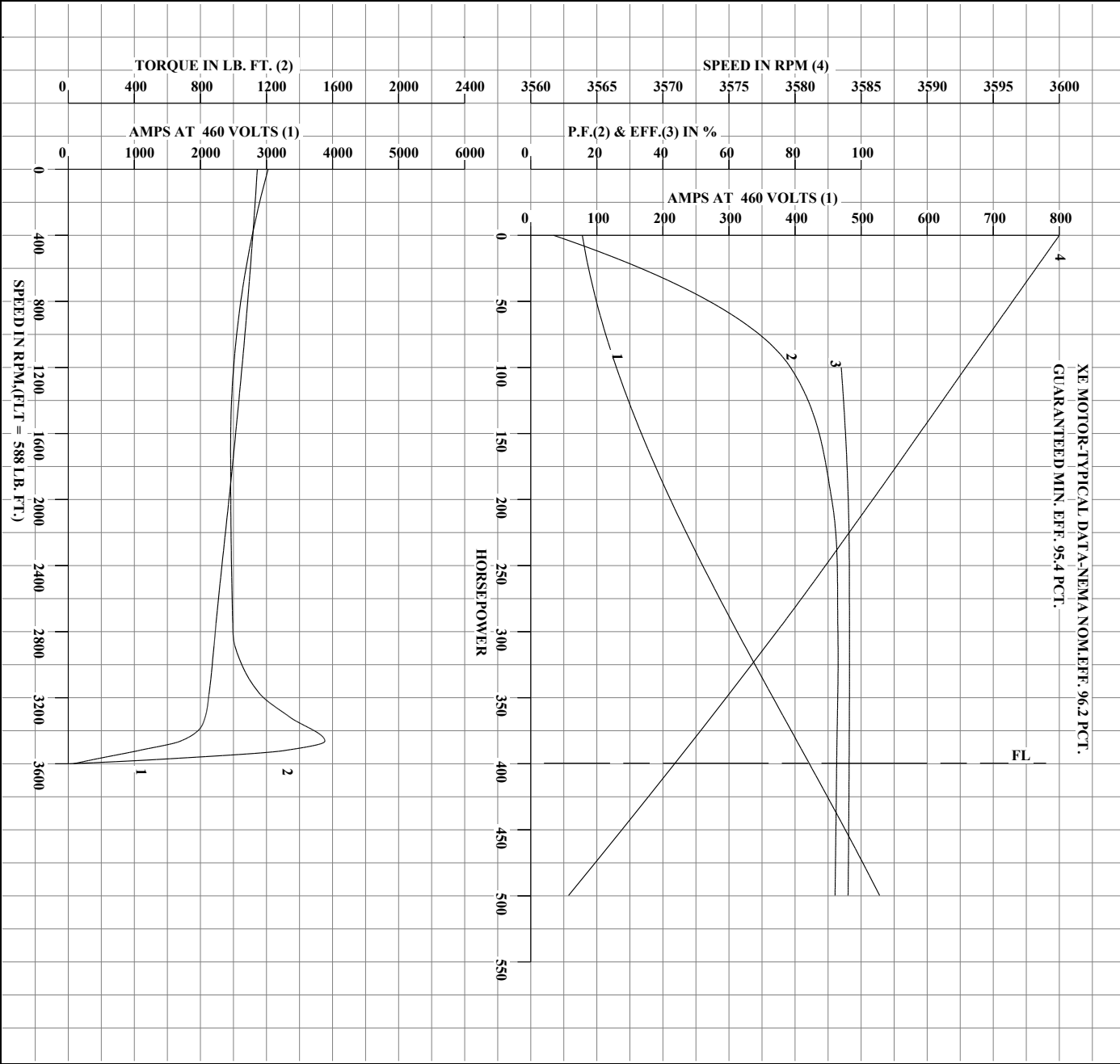
SPEC NO.	P44G4028			CAT.NO.	EM44402T-4					FRAME	L449TS	
HP	400	VOLTS	460	PHASE	3	DESIGN	B	TYPE				
RPM	3570	AMPS	420	HZ	60	AMB	40	SF	1.15			
DRIVE END BEARING	65BC03J30X			DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	65BC03J30X			ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR		92	NEMA-NOM-EFFICIENCY			96.2		
						MAX CORR KVAR		25	GUARANTEED EFFICIENCY		95.4	
						NEMA NOM/CSA QUOTED EFF						
									MOTOR WEIGHT		3649	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	L449TS	400	P	3/60	3570	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
420	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143-016-MEQ	---	---	.00612		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	78.9	3600	6.92	0	
1/4	100	127	3593	78.6	94.0	
2/4	200	214	3586	91.1	96.1	
3/4	300	313	3579	93.0	96.5	
4/4	400	419	3571	92.6	96.4	
5/4	500	529	3563	92.1	96.1	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	206	1210	2861	
PULL UP		1670	167	983	2517	
BREAKDOWN		3463	264	1554	1697	
FULL LOAD		3571	100	588	419	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA MOTOR-TYPICAL DATA-NEMA NOM.EFF.96.2 PCT. GUARANTEED MIN. EFF.95.4 PCT.						
		DRAWN BY: J.P. TSAO CHECKED BY: W.L. SMITH APPROVED BY: W.L. SMITH DATE: 05/15/17		AC MOTOR PERFORMANCE DATA	A44WG5211-R002 DATE ISSUED 10/14/24	

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REL.S.O.	FRAME L449TS	RPM 3570	S.F. 1.15	ROTOR 418143-016-MEQ
HP 400		VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P		AMPS 420	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60		DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .00612
		AMB °C / INSUL. 40/F	E/S -	OHMS (BETWEEN LINES)



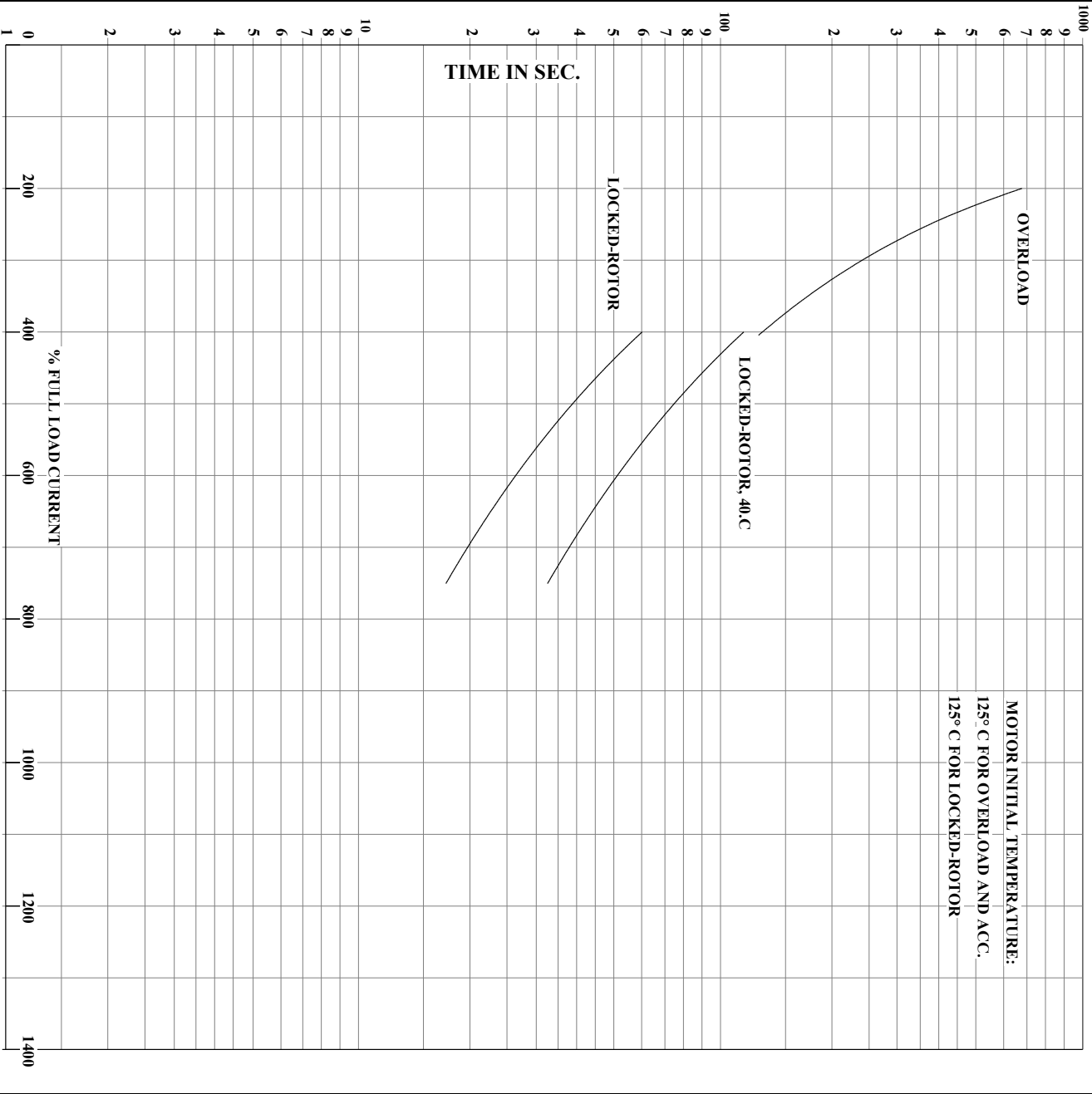
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: J.P. TSAO	AC MOTOR PERFORMANCE DATA	A44WG5211-R002
	CHECKED BY: W.L. SMITH APPROVED BY: W.L. SMITH DATE: 05/15/17		

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ISSUE DATE 10/14/24
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REL.S.O.	RPM 3570	S.F. 1.15	ROTOR 418143-016-MEQ
FRAME L449TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 400	AMPS 420	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .00612
PHASE / HERTZ 3/60	AMB °C / INSUL. 40/F	E/S -	OHMS (BETWEEN LINES)



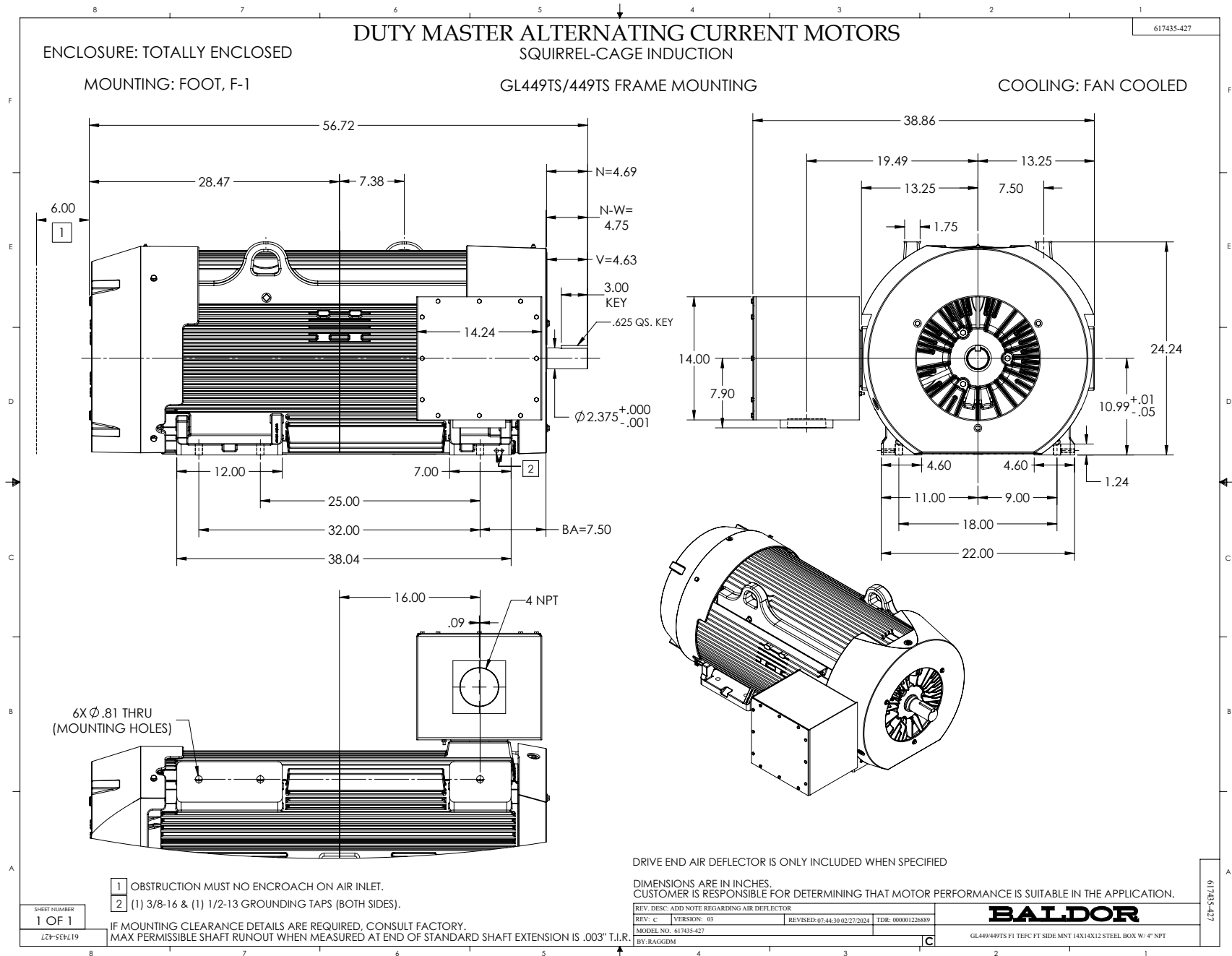
Thermal Limit Curve
XE Motor-Typical Data-NEMA Nom.Eff. 96.2 PCT.

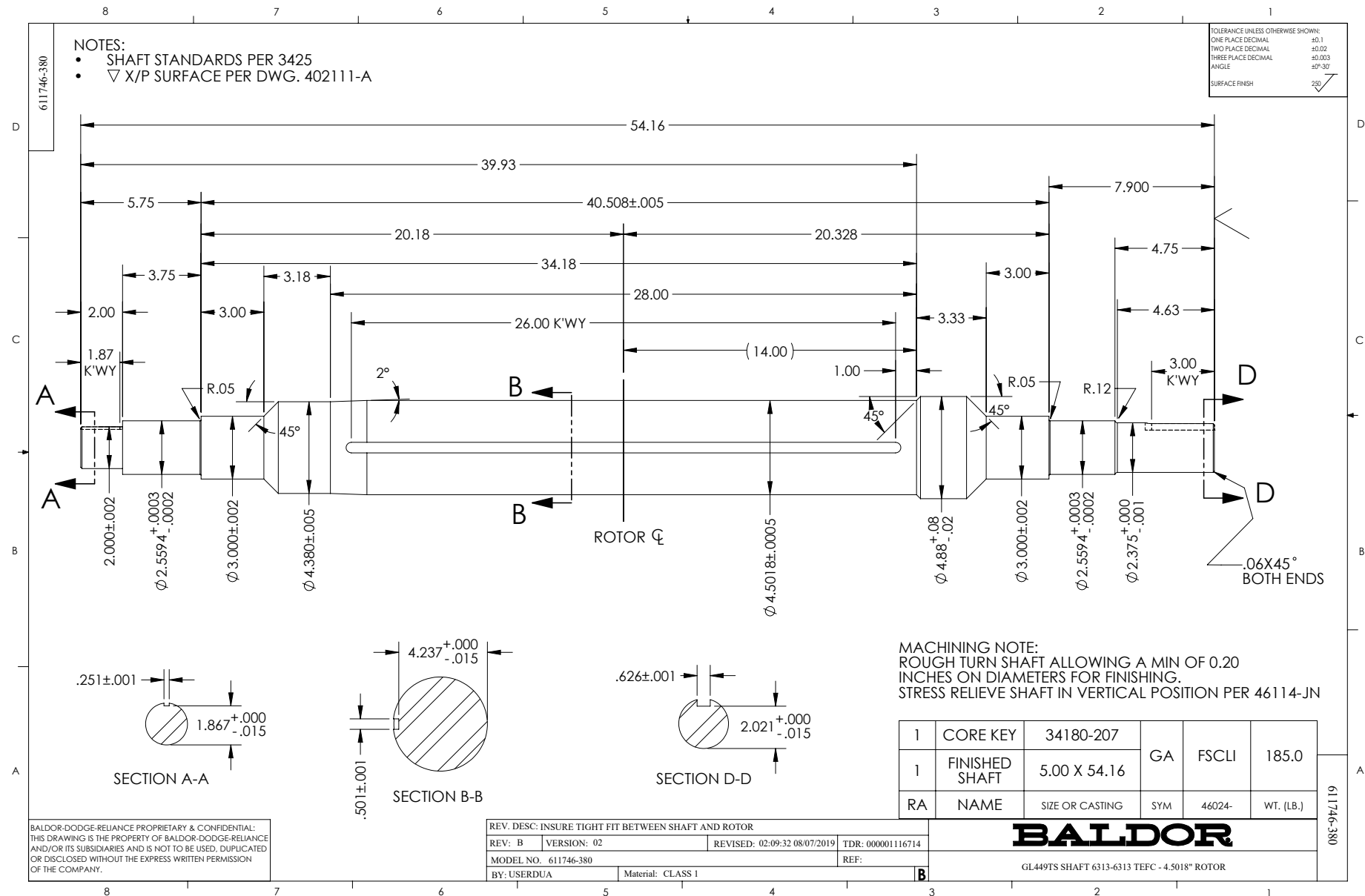
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416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	