



Customer information packet

ECP49454T-4

450HP, 1785RPM, 3PH, 60HZ, L 449T, A44208M, TE

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	L449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	450.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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)
Constant Torque Speed Range	30-60
Current @ Voltage	501.000 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
Haz Area Temp Code	T2C
Heater Indicator	Heater Included, 115 V
High Voltage Full Load Amps	501.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	No Lifting Lugs

Part detail

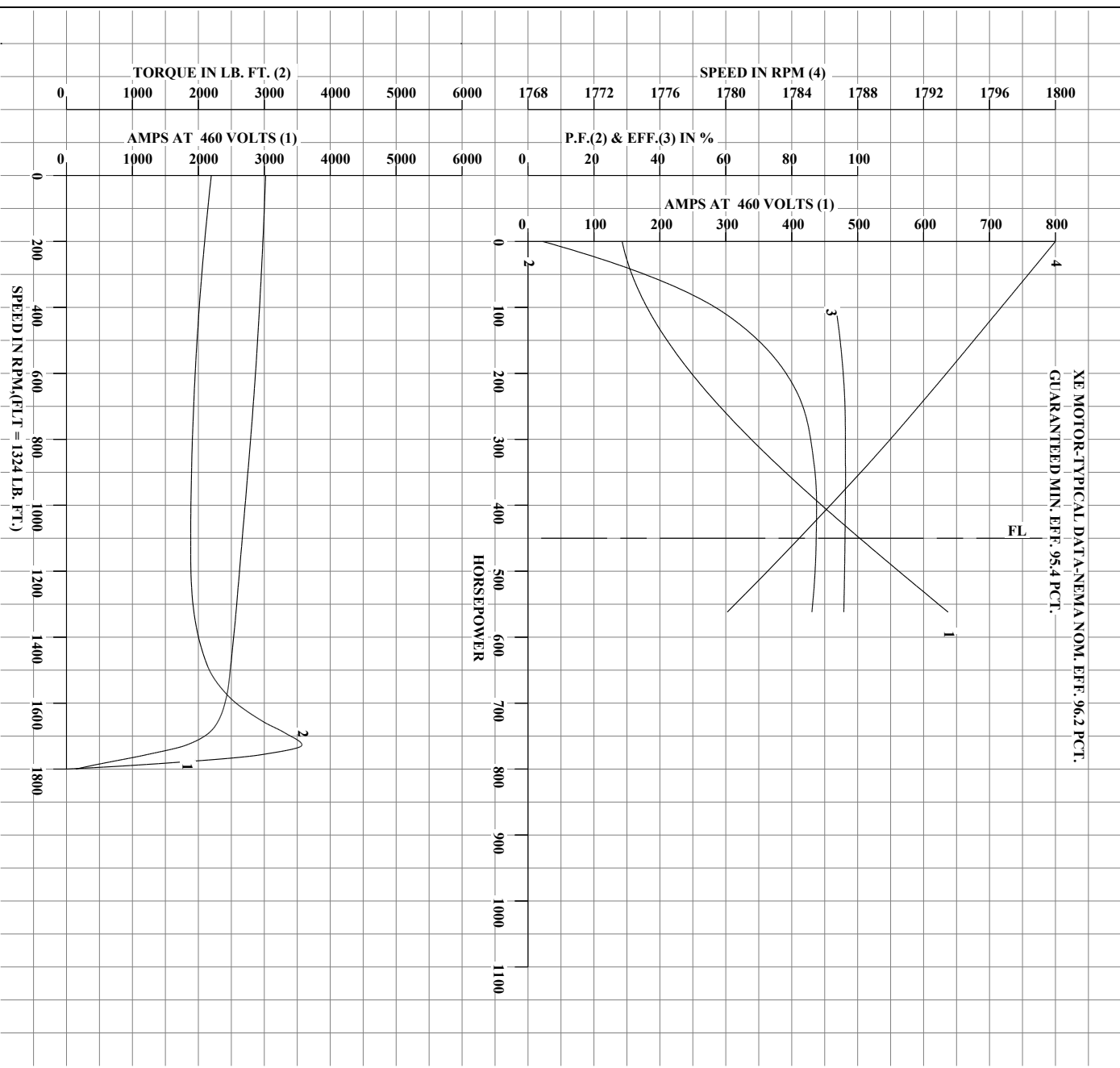
Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4196
Layout	617423-352
Eff. date	10-24-2024
CD Diagram	416820-036
Poles	04
Leads	3#1 (04 per group)
Proprietary	False
Created date	10-13-2016

Motor Lead Quantity/Wire Size	12 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	60.21 IN
Power Factor	87
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	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	RTD Only

Nameplate

NP3238													
CAT NO	ECP49454T-4			SPEC NO.		P44G5920							
HP	450	AMPS	501		VOLTS		460		DESIGN	B			
FRAME	L 449T	RPM	1785	HZ	60	AMB	40	SF	1.15				
D.E. BRG.DATA	6222		O.D.E. BRG.DATA			6318		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	110BC02J30X			TYPE	P	ENCL	TEFC	CODE	F				
O.D.E. BRG.	90BC03J30X			POWER FACTOR			87	NEMA NOM EFFICIENCY			96.2		
3/4 LOAD EFF.	96.5		MAX CORR KVAR			54.0		GUARANTEED EFFICIENCY			95.4		
TEMP CODE	T2C	TEMP =		230									
CHP HZ	60-90	CT HZ	30-60		VT HZ	6-60							
INVERTER-TEMP-CODE													
SER.NO.					MOTOR WEIGHT								

REL.S.O.	RPM	1785	S.F.	1.15	ROTOR	418143-48-RE
FRAME	L449T	VOL/TS	460	NEMA DESIGN	B	TEST S.O. TYPICAL DATA
HP	450	AMPS	501	CODE LETTER	F	TEST DATE
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C .00654
PHASE/HERTZ	3/60	AMB °C / INSUL	40/F	E/S	---	OHMS (BETWEEN LINES)



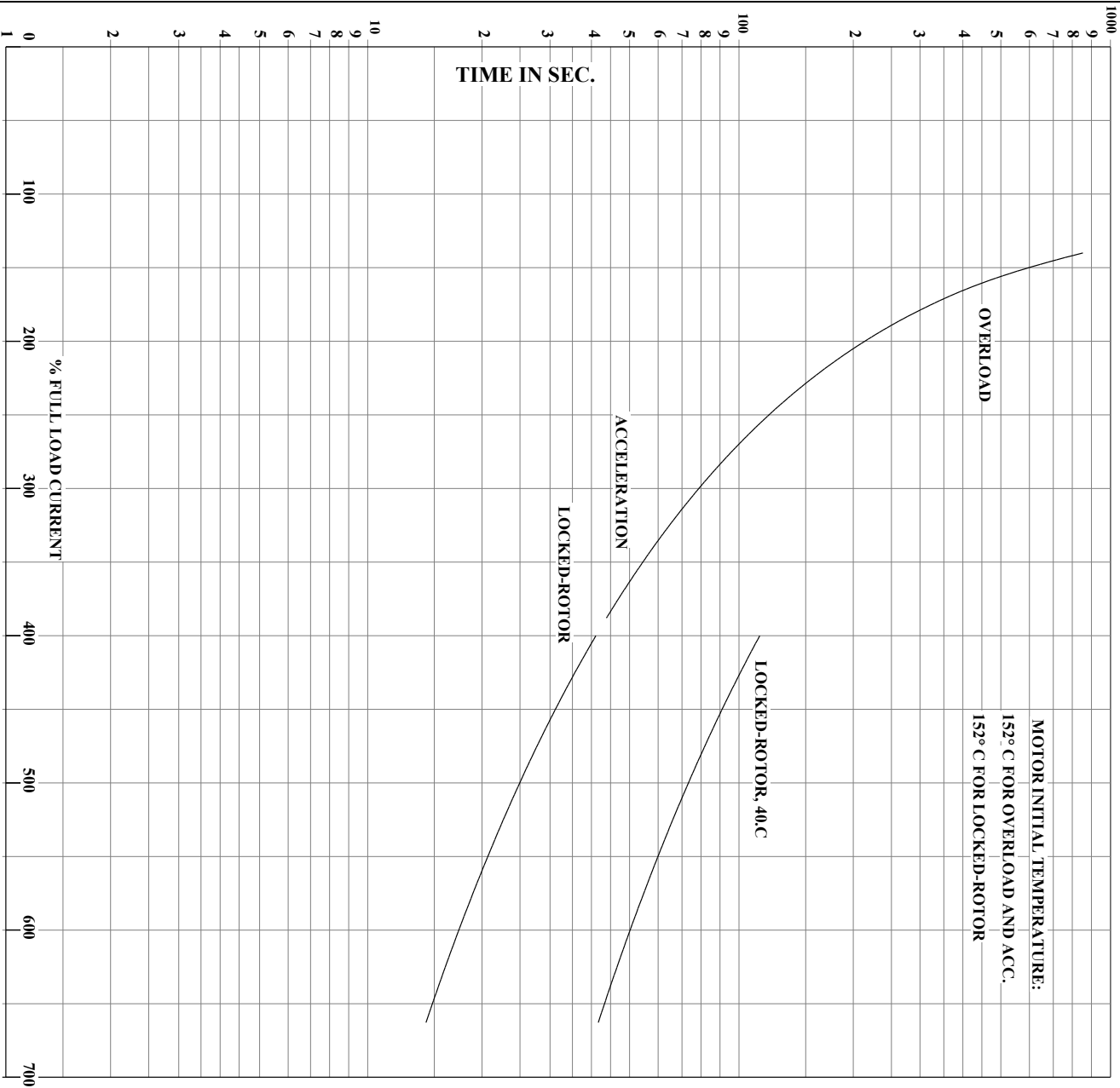
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: G. R. WEBB CHECKED BY: W. L. SMITH APPROVED BY: W. L. SMITH DATE: 08/22/14	AC MOTOR PERFORMANCE DATA	A44WG4196-R001 ISSUE DATE 06/18/19
			

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REL.S.O.	RPM 1785	S.F. 1.15	ROTOR 418143-48-RE
FRAME L449T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 450	AMPS 501	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .00654
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S ---	OHMS (BETWEEN LINES)



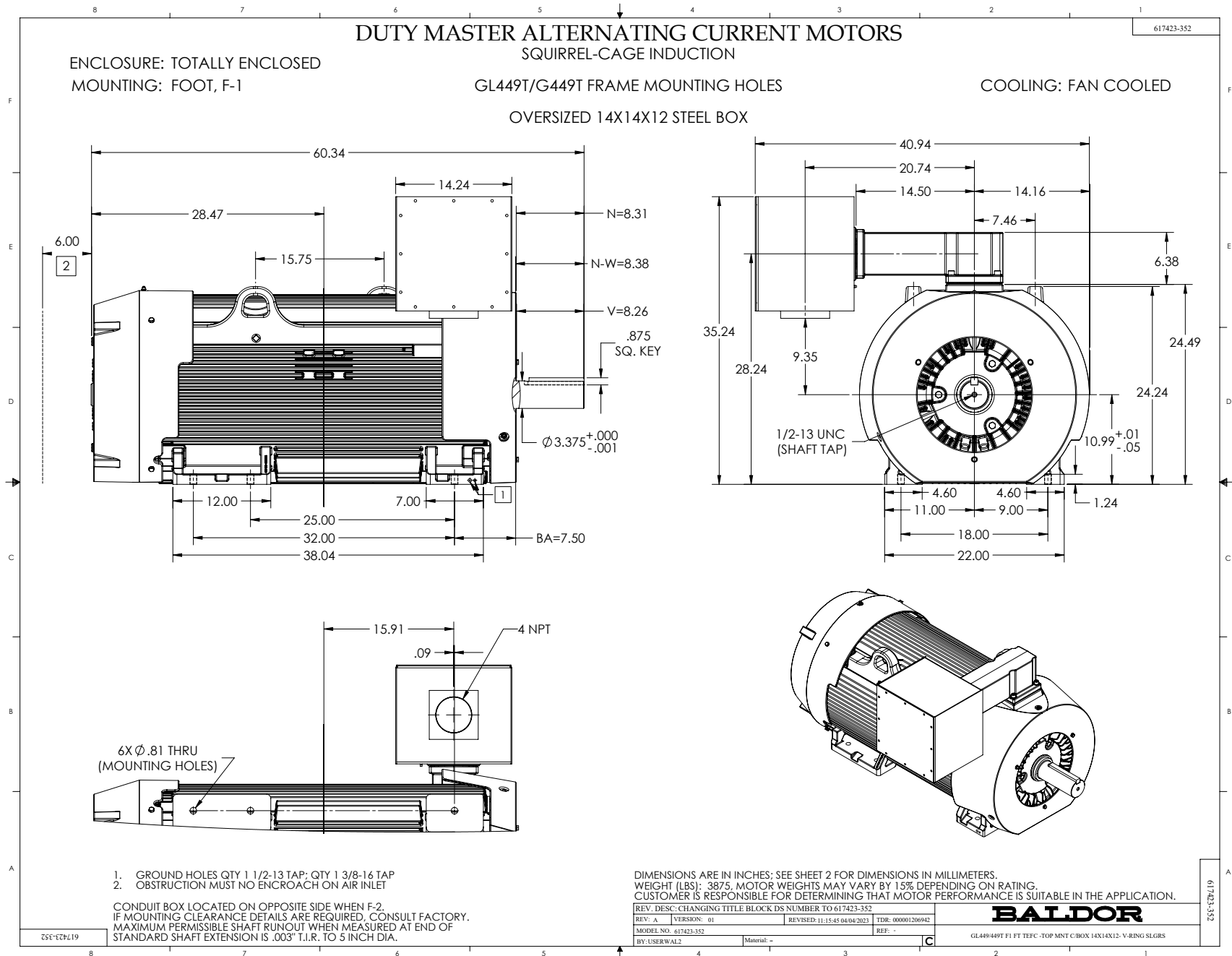
Thermal Limit Curve
XE Motor-Typical Data-NEMA Nom. Eff. 96.2 Pct.

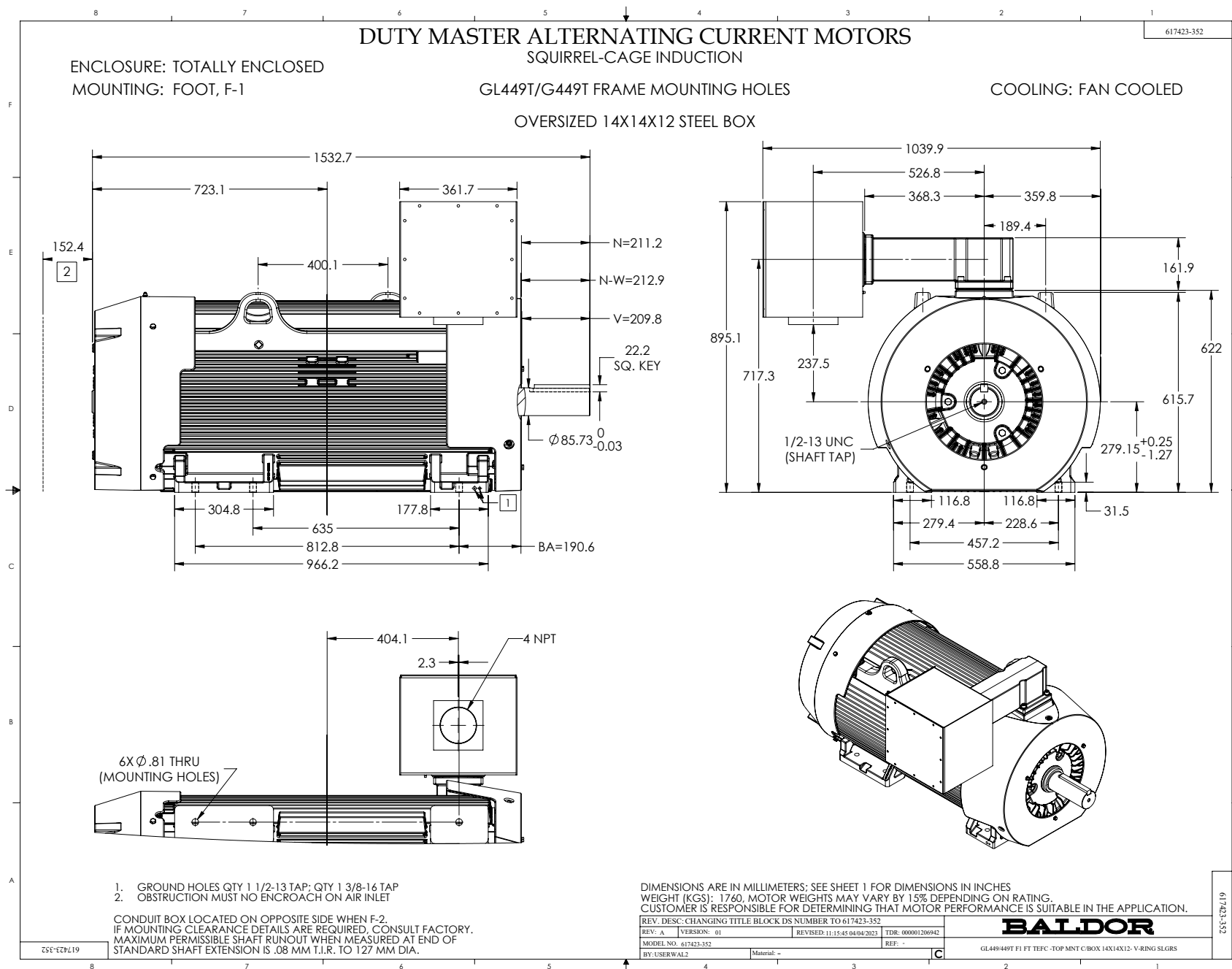
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416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
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