



Customer information packet

EM4400T-5

100HP, 1785RPM, 3PH, 60HZ, 405T, A40064M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405T
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	100.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSA US CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	89.600 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	89.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA

Part detail

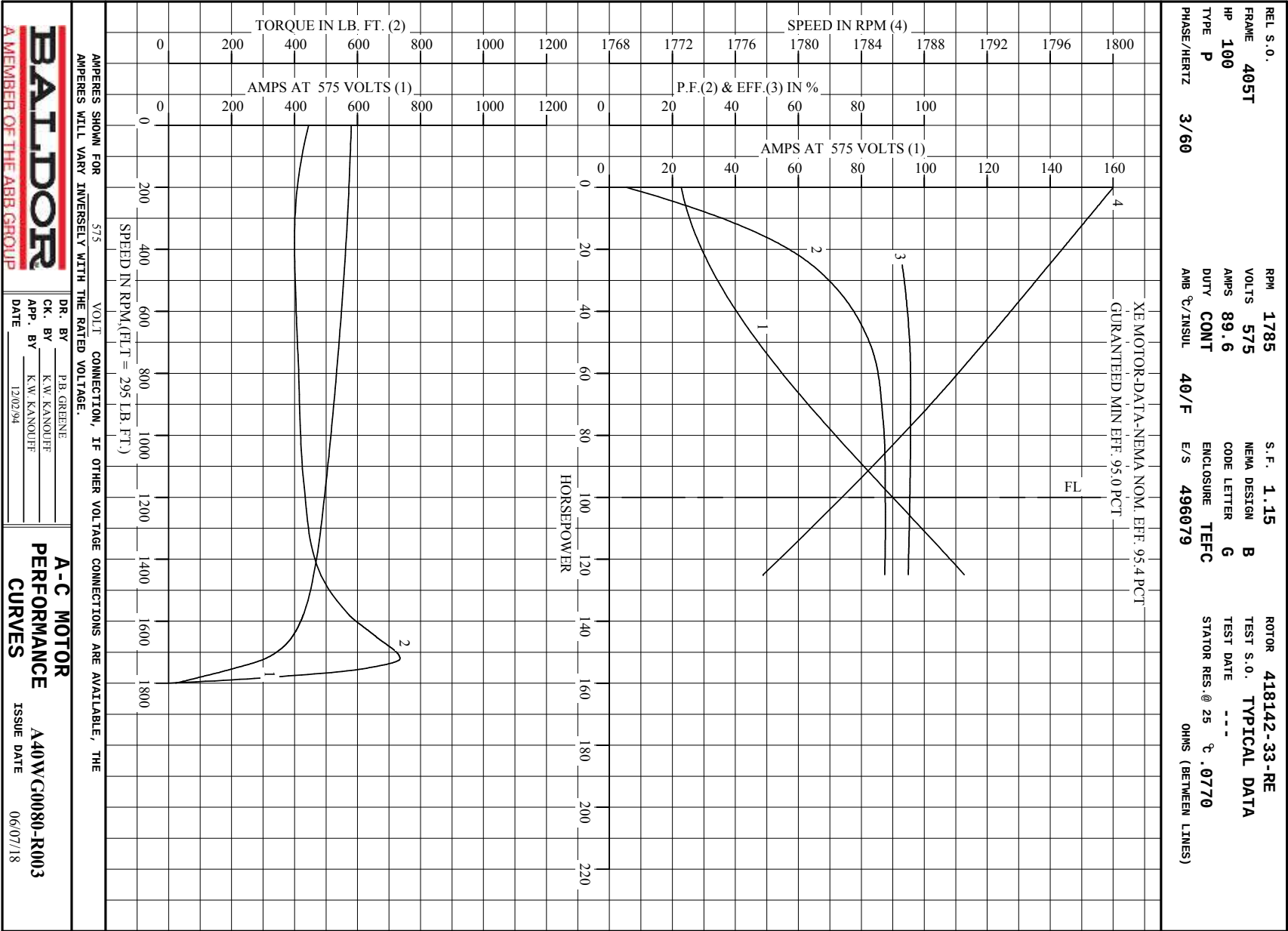
Revision	M
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0080
Layout	617429-001
Eff. date	09-04-2024
CD Diagram	416820-036
Poles	04
Leads	3#2
Proprietary	False
Created date	07-17-2013

Motor Type	A40064M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	38.04 IN
Power Factor	87
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.875 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	None

Nameplate

NP2349L

SPEC NO.	P40G3926			CAT.NO.	EM4400T-5				FRAME	405T	
HP	100	VOLTS	575		PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	89.6		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	80BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	80BC03J30X		ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR	87		NEMA-NOM-EFFICIENCY				95.4
						MAX CORR KVAR		18	GUARANTEED EFFICIENCY		94.5
						NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT					



REL. S.O.	FRAME 405T	RPM 1785	S.F. 1.15	ROTOR 418142-33-RE
HP 100	VOLTS 575	AMPS 89.6	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	DUTY CONT	ENCLOSURE TEFC	CODE LETTER G	TEST DATE ---
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 496079	STATOR RES. @ 25 °C. 0770	OHMS (BETWEEN LINES)

10.00

9

8

7

6

5

4

3

2

1.00

9

8

7

6

5

4

3

2

1

0

200

400

600

800

1000

1200

1400

TIME IN SEC.

ACCELERATION

LOCKED-ROTOR, 40 C

LOCKED-ROTOR

OVERLOAD

MOTOR INITIAL TEMPERATURE:
119C FOR OVERLOAD AND ACC
119 C FOR LOCKED-ROTOR

% FULL LOAD CURRENT

REMARKS:

THERMAL LIMIT CURVE

XE MOTOR-DATA-NEMA NOM. EFF. 95.4 PCT

GURANTEED MIN EFF. 95.0 PCT

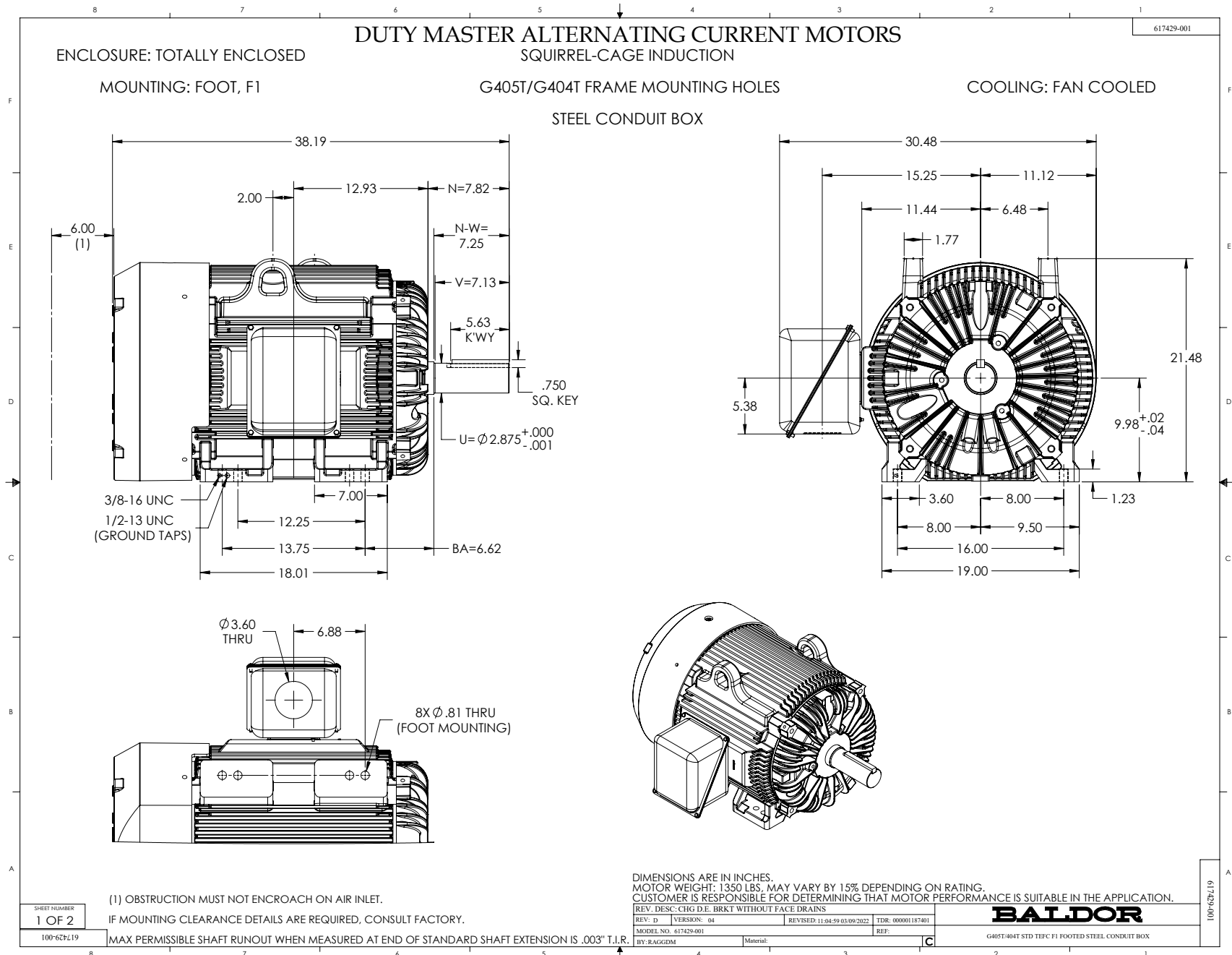
AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

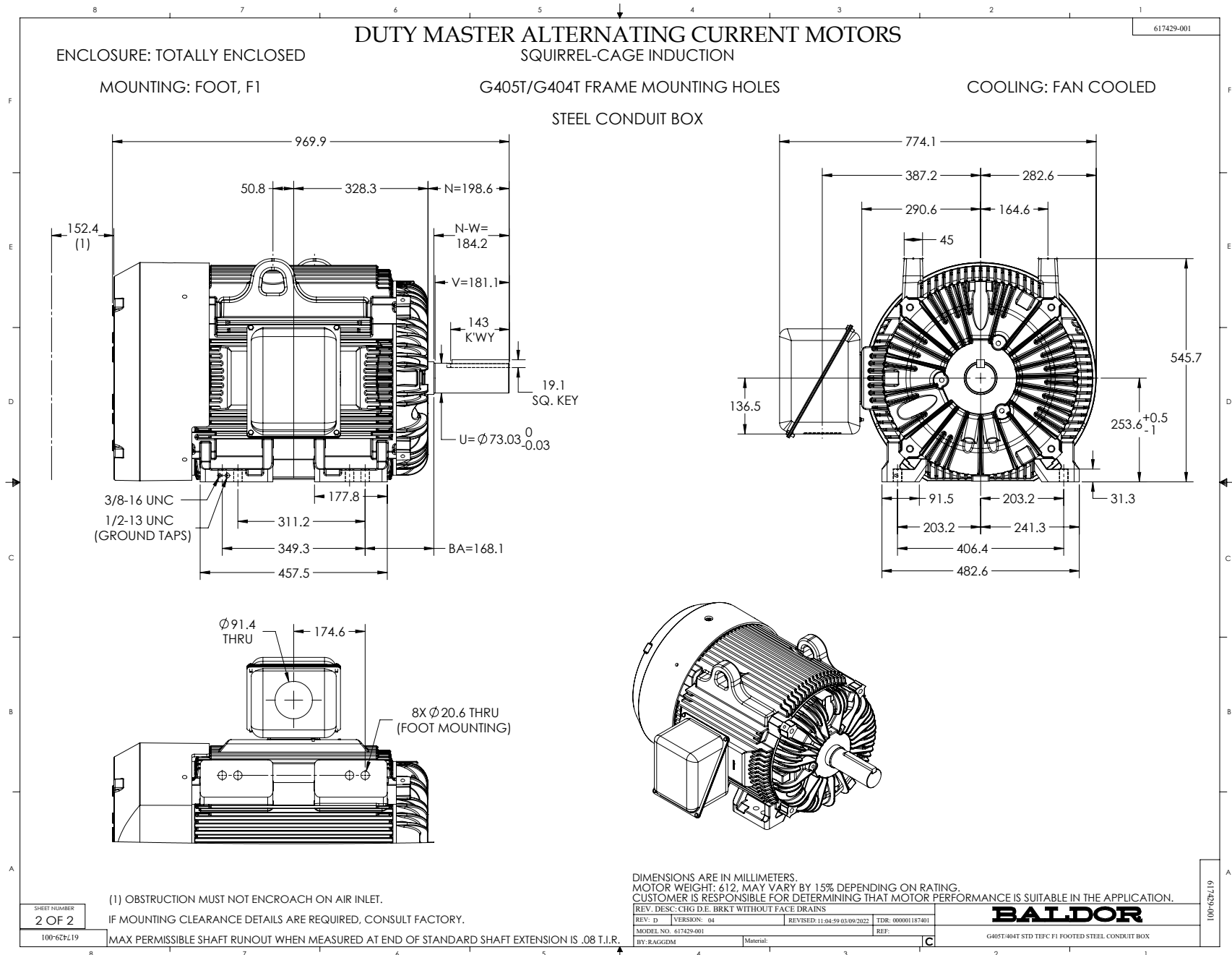
DR. BY	P.B. GREENE
CK. BY	K.W. KANDOLFE
APP. BY	K.W. KANDOLFE
DATE	12/02/94

A-C MOTOR PERFORMANCE CURVES

A40WG0080-R003

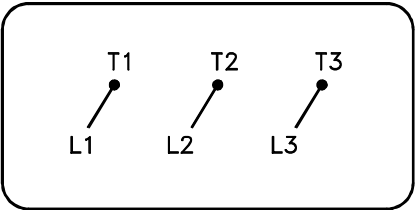
ISSUE DATE 06/07/18





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