



Customer information packet

ECP84404T-4

75HP, 1185RPM, 3PH, 60HZ, 405T, A40072M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	405T
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	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	C UR US CCSA US CCSAUSEEV CURUS
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	84.200 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	84.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG3693
Layout	617429-818
Eff. date	06-19-2025
CD Diagram	416820-036
Poles	06
Leads	3#4
Proprietary	False
Created date	05-16-2025

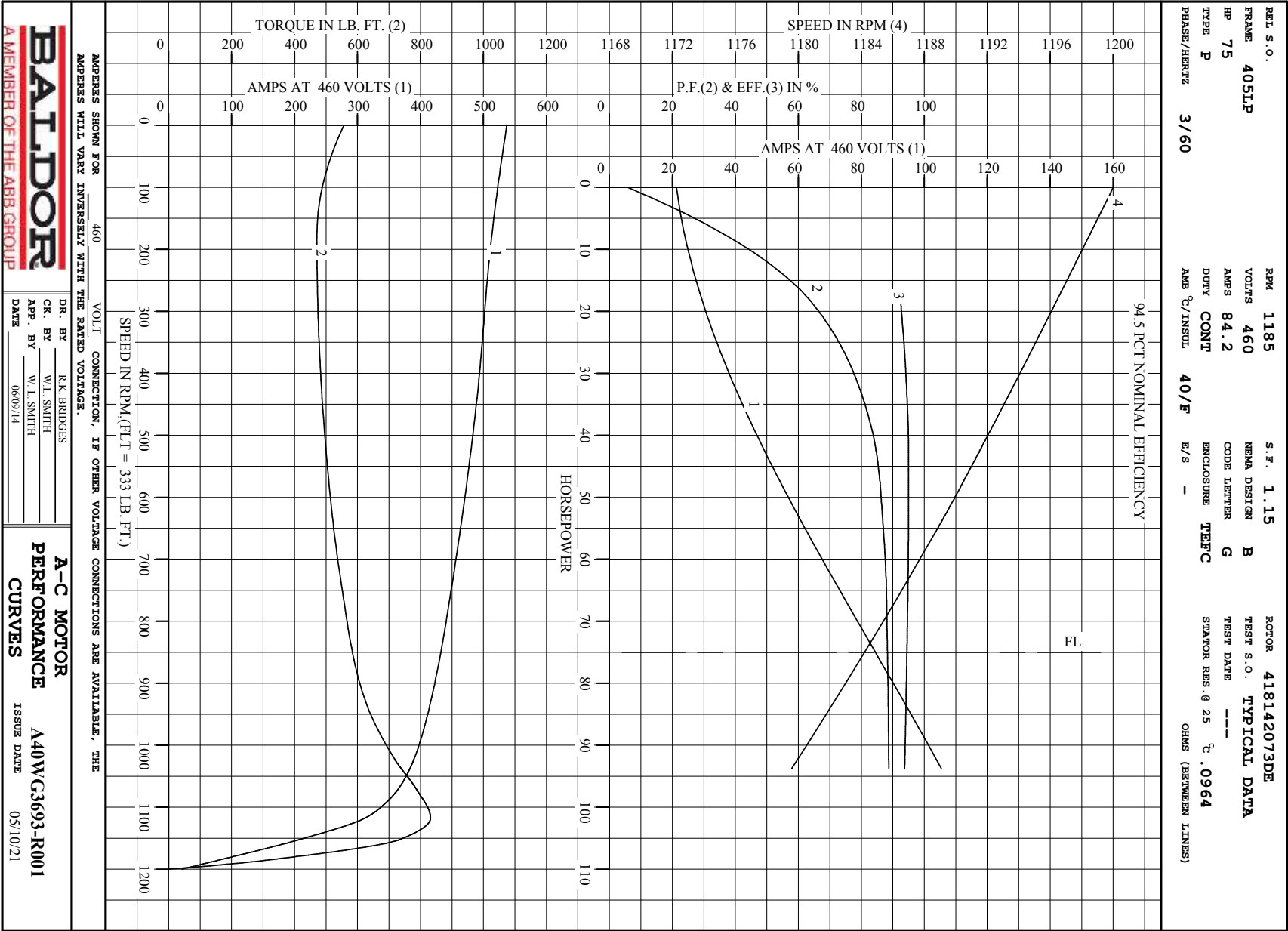
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	None
Motor Type	A40072M
Mounting Arrangement	F1
No Load Current	21.5 a
Number of Poles	6
Overall Length	38.19 IN
Power Factor	88
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4566															
CAT NO	ECP84404T-4			SPEC NO.		A40-0004-3693									
HP	75	AMPS		84.2		VOLTS		460		DESIGN		B			
FRAME SIZE	405T	RPM		1185		HZ		60	AMB		40	SF		1.15	
D.E. BRG.DATA	6316		O.D.E. BRG.DATA			6316		PH		3	DUTY		CONT	INSUL.CLASS	
D.E. BRG.	80BC03J30X			TYPE		ENCL	TEFC		CODE		G				
O.D.E. BRG.	80BC03J30X			POWER FACTOR			88		NEMA-NOM-EFFICIENCY				94.5		
3/4 LOAD EFF.	94.9	IP	56	MAX CORR KVAR				12		GUARANTEED EFFICIENCY				93.6	
TEMP CODE	T3	TEMP =		200											
CHP HZ	60-90	CT HZ	10-60		VT HZ		0-60								
INVERTER-TEMP-CODE	T3														
SER.NO.				MOTOR WEIGHT											

000613007EX

CAT NO	ECP84404T-4	SPEC NO.	A40-0004-3693
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE	21.5
5 YEAR WARRANTY		WINDING RES @25 C	.096
MFG. DATE		SER.NO	



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REL. S. O.		RPM	1185	S. F.	1.15	ROTOR	418142073DE	
FRAME		405LP	VOLTS	460	NEMA DESIGN	B	TEST S. O.	TYPICAL DATA
HP		75	AMPS	84.2	CODE LETTER	G	TEST DATE	---
TYPE		P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES. @ 25 °C	.0964
PHASE/HERTZ		3/60	AMB °C/INSUL	40/°F	E/S	-	OHMS (BETWEEN LINES)	

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OVERLOAD

LOCKED-ROTOR, 40 °C

LOCKED-ROTOR

ACCELERATION

MOTOR INITIAL TEMPERATURE:
96 °C FOR OVERLOAD AND ACC.
96 °C FOR LOCKED-ROTOR

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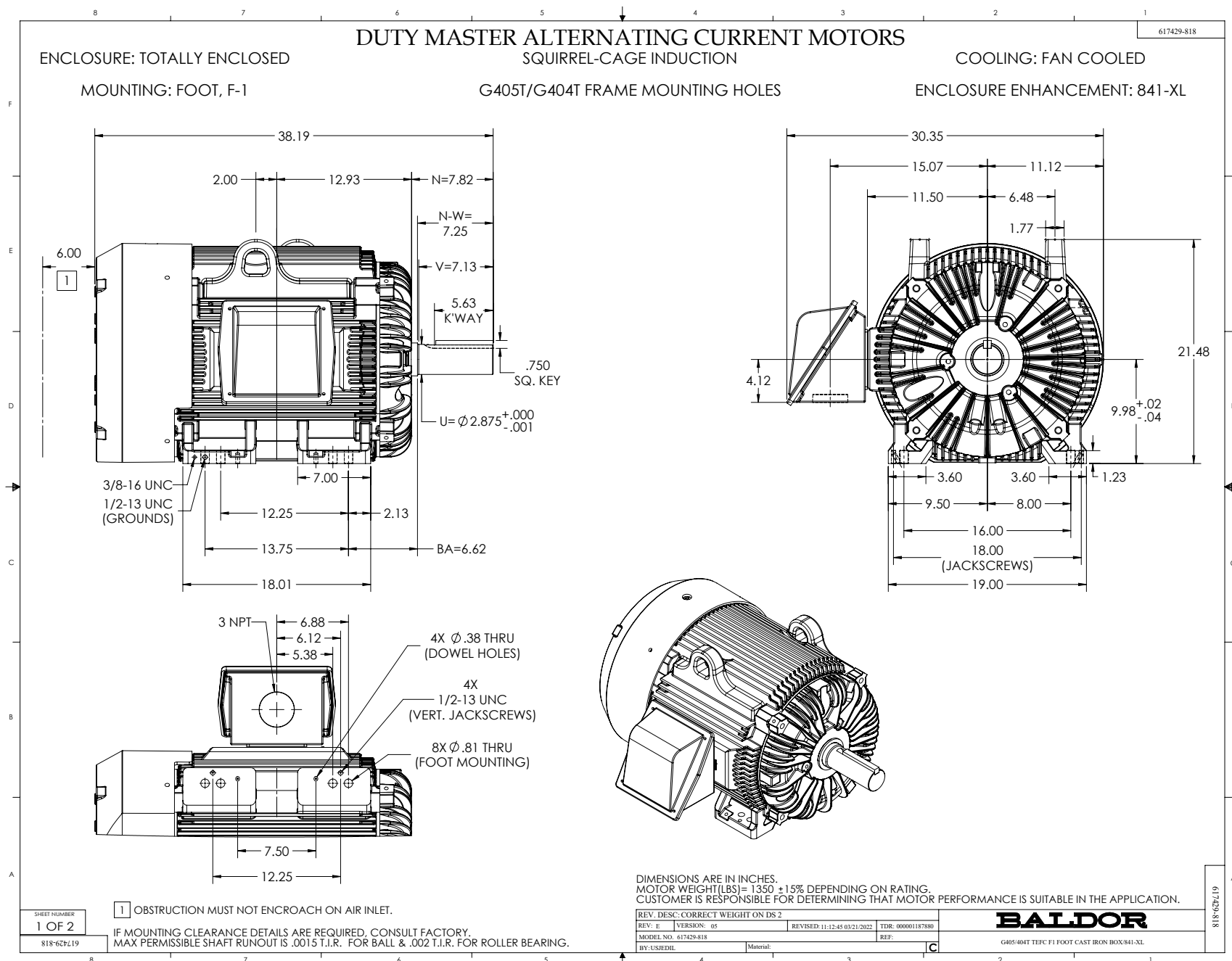
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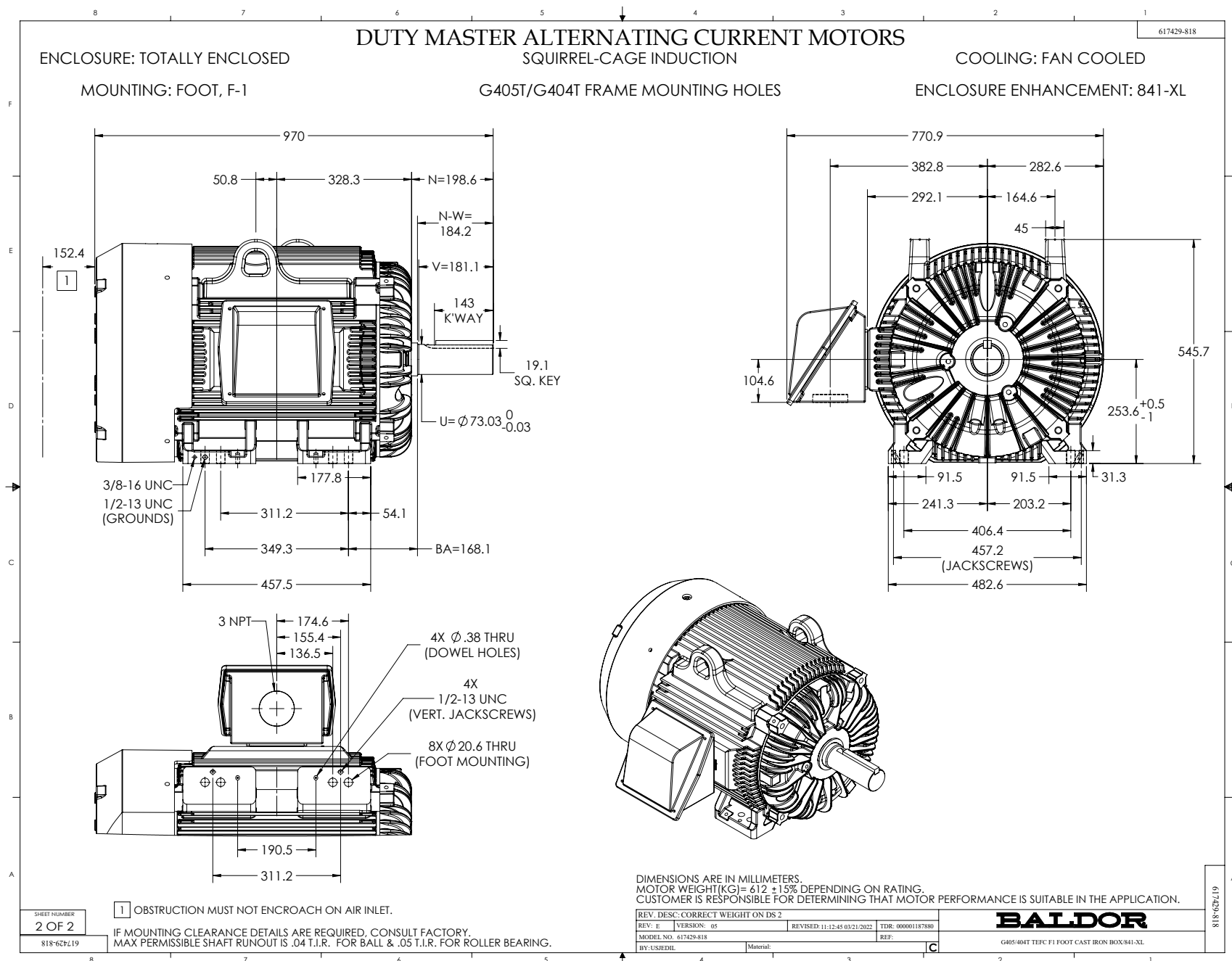
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416820-036

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	