

ABB BALDOR RELIANCE III

Customer information packet

ECP84403T-5

60HP, 1185RPM, 3PH, 60HZ, 404T, A40072M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	404T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 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	53.800 A @ 575.0 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	53.8 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G

Part Detail

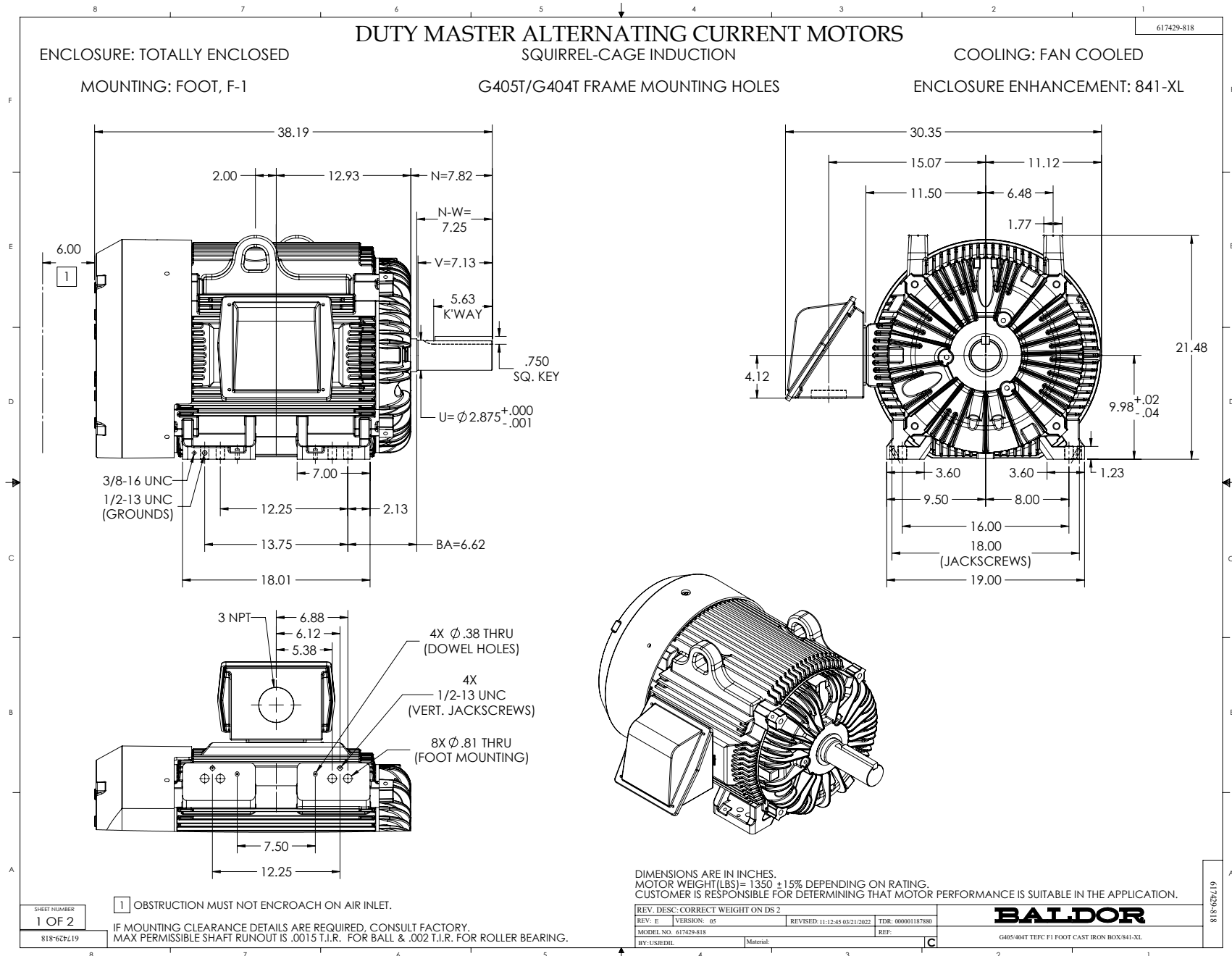
Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG2000
Layout	617429-818
Eff. date	06-19-2025
CD Diagram	416820-036
Poles	06
Leads	3#4
Proprietary	False
Created date	05-16-2025

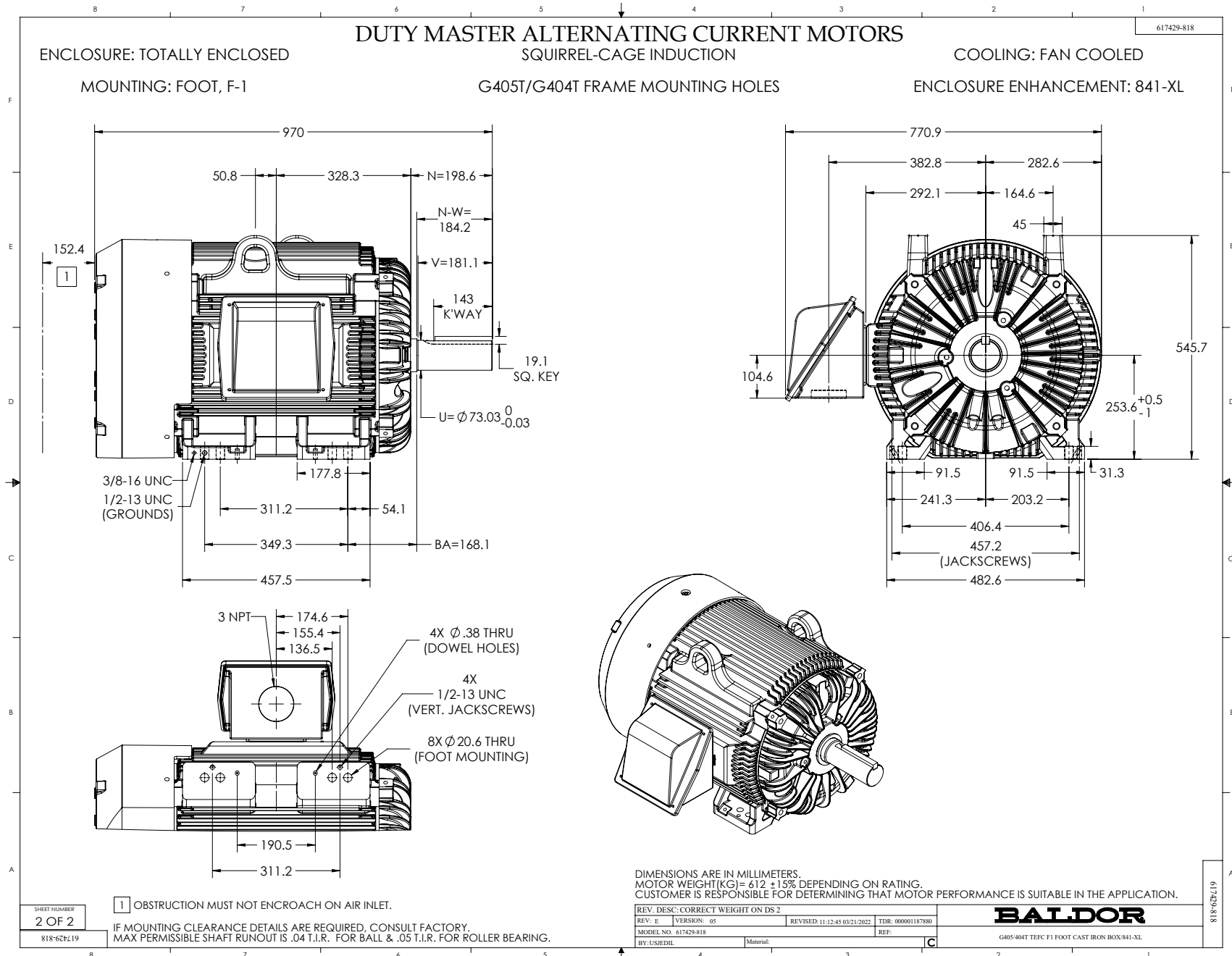
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	None
Motor Type	A40072M
Mounting Arrangement	F1
No Load Current	13.4 a
Number of Poles	6
Overall Length	38.19 IN
Power Factor	88
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft 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	ECP84403T-5			SPEC NO.		A40-0002-2000							
HP	60	AMPS	53.8		VOLTS		575		DESIGN	B			
FRAME SIZE	404T	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	F
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			9.5		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									

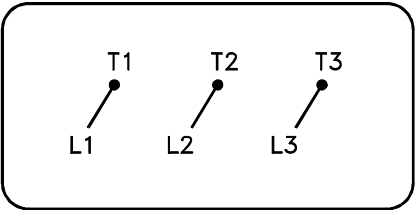
000613007EX					
CAT NO	ECP84403T-5	SPEC NO.	A40-0002-2000		
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM		
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		13.4	
5 YEAR WARRANTY		WINDING RES @25 C	.181	OHMS	
MFG. DATE		SER.NO			





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