ABB BALDOR RELIANCE

Customer information packet

ECP84403T-5

60HP, 1185RPM, 3PH, 60HZ, 404T, A40072M, TEFC
Class - CLI GP A,B,C,D
Division - Division II

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11/19/2026 3:10:16 PM

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**										

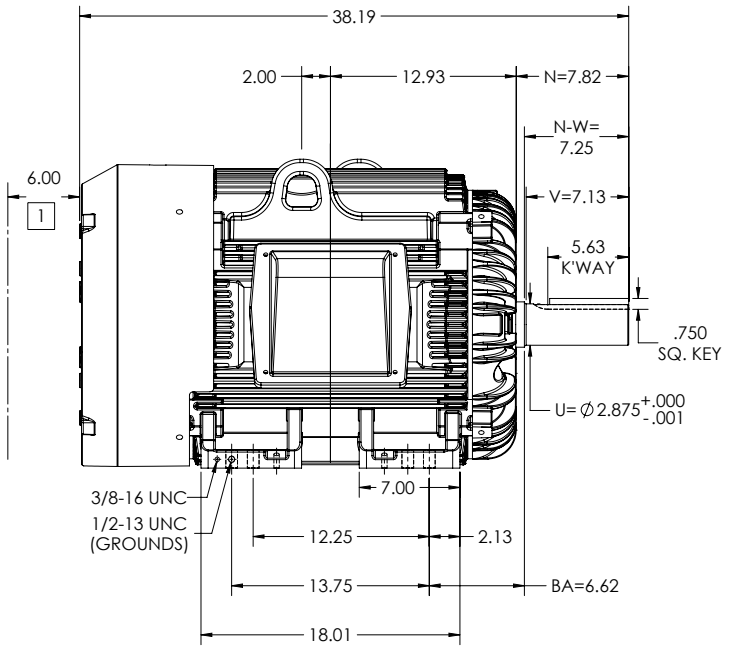
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CAT NO	ECP84403T-5	**SPEC NO.**	A40-0002-2000		
NO. ROTOR BARS	71	**GREASE TYPE**	POLYREX EM		
NO. SLOTS	90	**NL AMPS AT RATED VOLTAGE**		13.4	
5 YEAR WARRANTY		**WINDING RES @25 C**	.181	**OHMS**	
MFG. DATE		**SER.NO**			

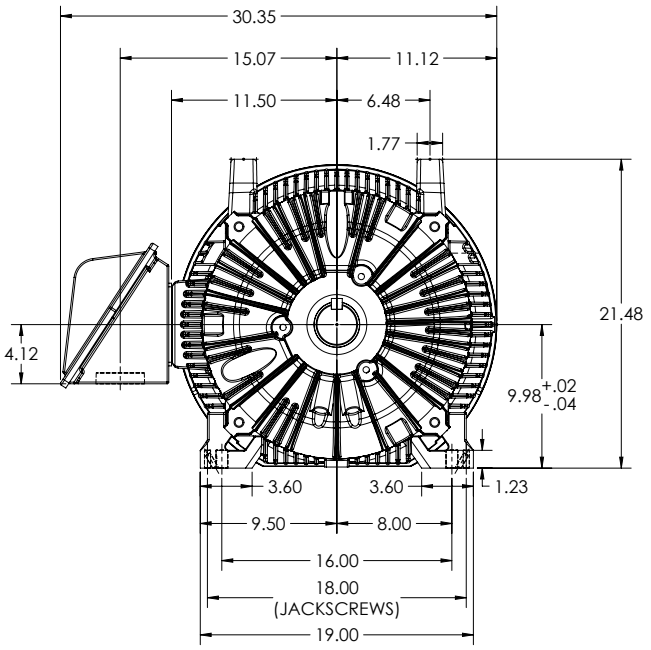
DUTY MASTER ALTERNATING CURRENT MOTORS

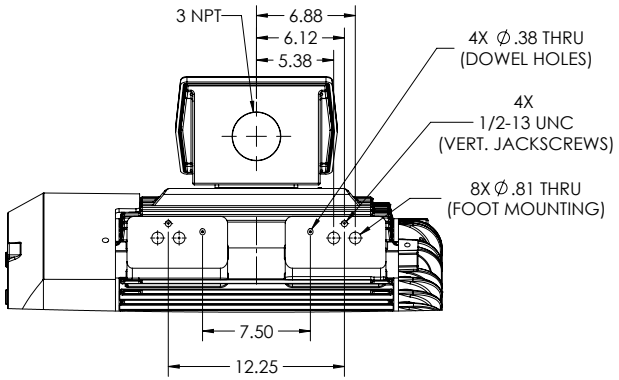
617429-818

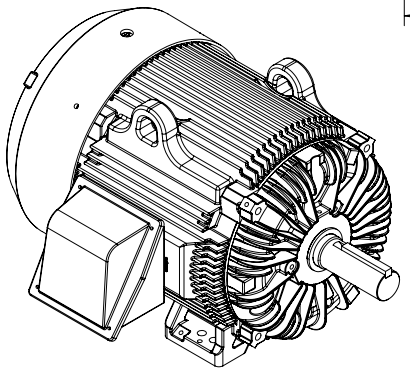
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 | G405T/G404T FRAME MOUNTING HOLES | ENCLOSURE ENHANCEMENT: 841-XL









1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT IS .0015 T.I.R. FOR BALL & .002 T.I.R. FOR ROLLER BEARING.

DIMENSIONS ARE IN INCHES.
MOTOR WEIGHT(LBS)= 1350 ±15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 1 OF 2

617429-818

REV. DESC: CORRECT WEIGHT ON DS 2			
REV: E	VERSION: 05	REVISED: 11:12:45 03/21/2022	TDR: 000001187880
MODEL NO. 617429-818			REF:
BY: USJEDIL	Material:	C	

BALDOR

G405/404T TEFC F1 FOOT CAST IRON BOX/841-XL

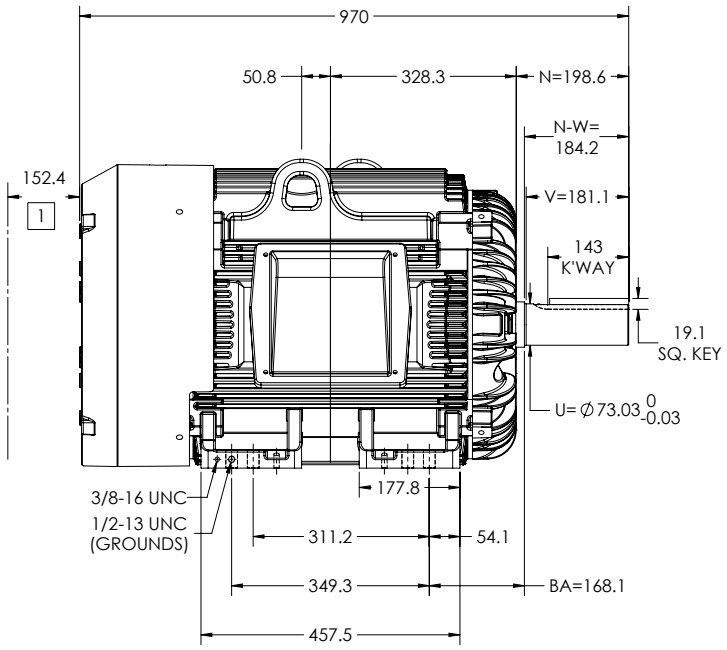
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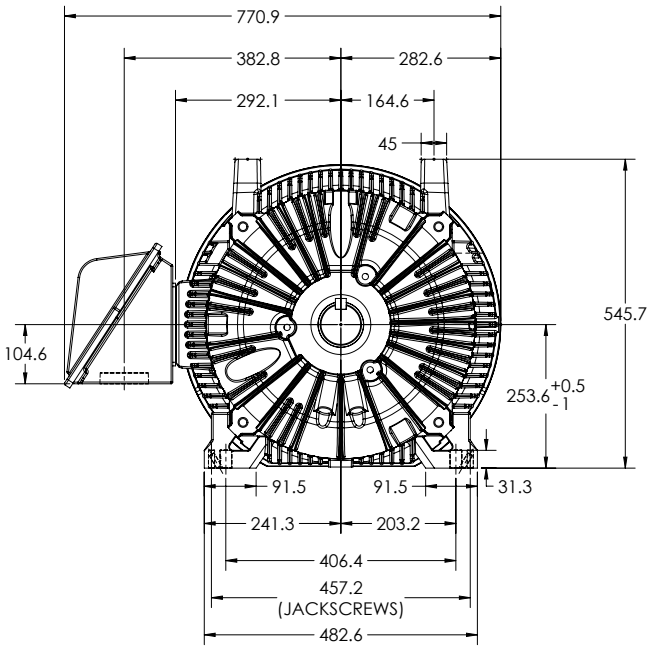
DUTY MASTER ALTERNATING CURRENT MOTORS

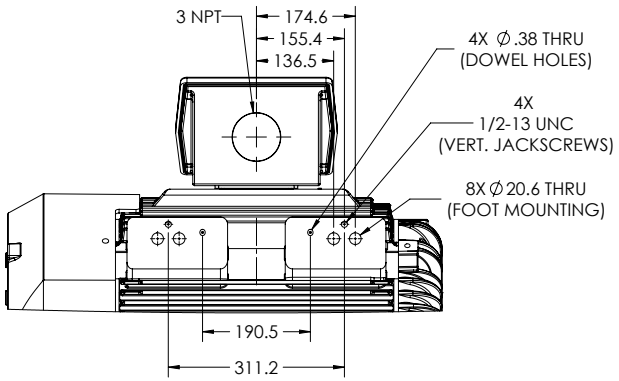
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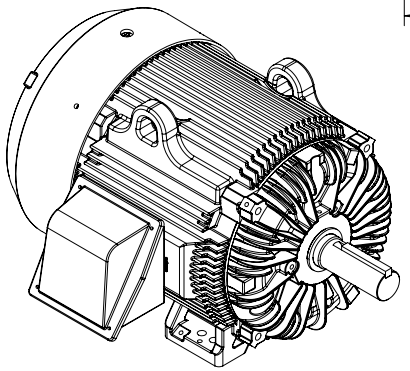
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 | G405T/G404T FRAME MOUNTING HOLES | ENCLOSURE ENHANCEMENT: 841-XL









SHEET NUMBER 2 OF 2

818-617429

1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT IS .04 T.I.R. FOR BALL & .05 T.I.R. FOR ROLLER BEARING.

DIMENSIONS ARE IN MILLIMETERS.
MOTOR WEIGHT(KG)= 612 ±15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: CORRECT WEIGHT ON DS 2			
REV: E	VERSION: 05	REVISED: 11:12:45 03/21/2022	TDR: 000001187880
MODEL NO. 617429-818			REF:
BY: USJEDIL	Material:	C	

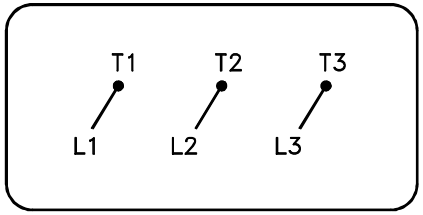
BALDOR

G405/404T TEFC F1 FOOT CAST IRON BOX/841-XL

617429-818

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
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1