

ABB BALDOR RELIANCE III

Customer information packet

ECP844252T-4

250HP, 3575RPM, 3PH, 60HZ, 449TS, TEFC, FOOT,
Class - CLI GP A,B,C,D
Division - Division II

Specifications

Enclosure	TEFC
Frame	449TS
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CCSA US
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	266.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	266.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G

Part Detail

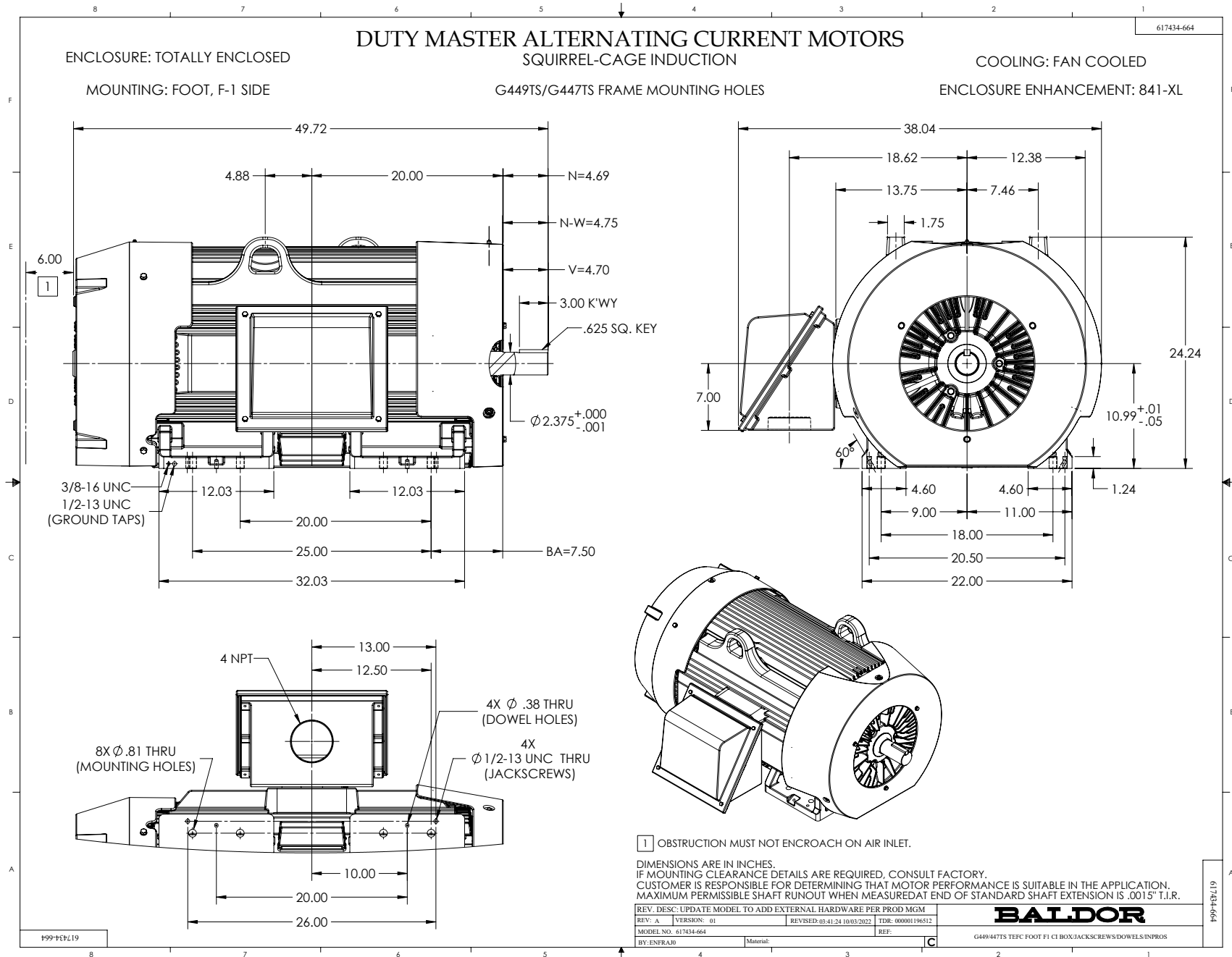
Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1505
Layout	617434-664
Eff. date	04-01-2024
CD Diagram	416820-036
Poles	02
Leads	3#2/0 (02 per group)
Proprietary	False
Created date	12-12-2018

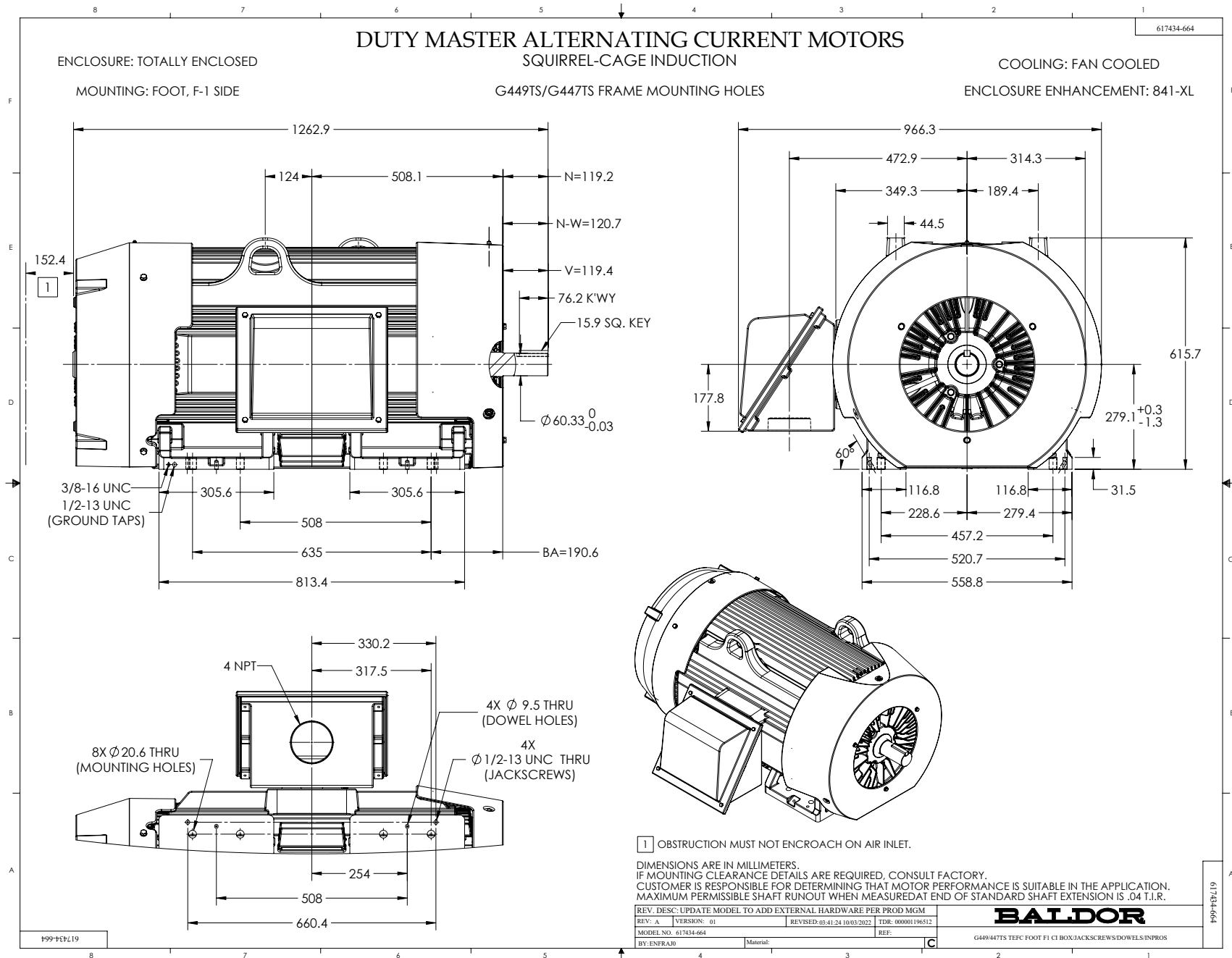
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG
Motor Standards	None
Motor Type	A44128M
Mounting Arrangement	F1
No Load Current	46.6 a
Number of Poles	2
Overall Length	49.72 IN
Power Factor	91
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4566													
CAT NO	ECP844252T-4			SPEC NO.		A44-5001-1505							
HP	250	AMPS		266		VOLTS		460		DESIGN		B	
FRAME SIZE	449TS	RPM		3570		HZ		60	AMB		40	SF 1.15	
D.E. BRG.DATA	6313			O.D.E. BRG.DATA			6313			PH 3		DUTY CONT INSUL.CLASS	
D.E. BRG.	65BC03J30X			TYPE ENCL		TEFC		CODE G					
O.D.E. BRG.	65BC03J30X			POWER FACTOR				91		NEMA-NOM-EFFICIENCY 96.2			
3/4 LOAD EFF.	96.6	IP 56		MAX CORR KVAR				23.0		GUARANTEED EFFICIENCY 95.4			
TEMP CODE	T3		TEMP =		200								
CHP HZ	60-75	CT HZ		30-60		VT HZ		0-60					
INVERTER-TEMP-CODE	T3												
SER.NO.				MOTOR WEIGHT				3287					

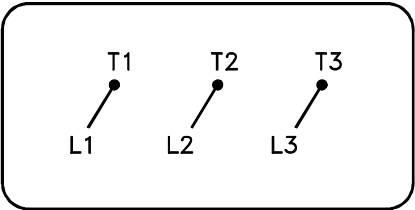
000613007EX				
CAT NO	ECP844252T-4	SPEC NO.	A44-5001-1505	
NO. ROTOR BARS	40	GREASE TYPE	POLYREX EM	
NO. SLOTS	48	NL AMPS AT RATED VOLTAGE		46.6
5 YEAR WARRANTY		WINDING RES @25 C	.0117	OHMS
MFG. DATE		SER.NO		





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
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