

ABB BALDOR RELIANCE III

Customer information packet

ECP84408TR-5

250HP, 1785RPM, 3PH, 60HZ, 449T, A44160M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	449T
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	1800 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	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	30-60
Current @ Voltage	219.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	219.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5260
Layout	617434-667
Eff. date	01-08-2026
CD Diagram	416820-036
Poles	04
Leads	3#1 (02 per group)
Proprietary	False
Created date	05-21-2025

Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	Other
Motor Type	A44160M
Mounting Arrangement	F1
No Load Current	63.6 a
Number of Poles	4
Overall Length	53.49 IN
Power Factor	89
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
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

NP4566													
CAT NO	ECP84408TR-5			SPEC NO.		A44-0005-5260							
HP	250	AMPS		219		VOLTS		575		DESIGN		B	
FRAME SIZE	449T	RPM		1785		HZ		60	AMB		40	SF 1.15	
D.E. BRG.DATA	NU222			O.D.E. BRG.DATA			6318			PH	3	DUTY CONT INSUL.CLASS	
D.E. BRG.	110RU02M30X			TYPE ENCL		TEFC		CODE		G			
O.D.E. BRG.	90BC03J30X			POWER FACTOR				89		NEMA-NOM-EFFICIENCY 96.2			
3/4 LOAD EFF.	96.5	IP	56	MAX CORR KVAR				37		GUARANTEED EFFICIENCY 95.4			
TEMP CODE	T3	TEMP =		200									
CHP HZ	60-90	CT HZ	30-60	VT HZ		0-60							
INVERTER-TEMP-CODE	T3												
SER.NO.				MOTOR WEIGHT									

000613007EX				
CAT NO	ECP84408TR-5	SPEC NO.	A44-0005-5260	
NO. ROTOR BARS	58	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	72	NL AMPS AT RATED VOLTAGE		63.6
5 YEAR WARRANTY		WINDING RES @25 C	.0187	OHMS
MFG. DATE		SER.NO		

NP2496L	
MOBIL SHC -220 GREASE	

ECP84408TR-5 - 250HP, 1785RPM, 3PH, 60HZ, 449T, A44160M, TEFC						
ABB BALDOR RELIANCE III S/O	CUSTOMER INFORMATION FRAME	PACKET HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449LP	250	P	3/60	1785	575
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
219	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
445260	418143052ZEQ	---	---	.0187		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR		% EFFICIENCY
NO LOAD	0	63.6	1800	4.01		0
1/4	62.5	82.5	1796	60.2		94.3
2/4	125	121	1793	80.7		96.2
3/4	187	168	1789	86.8		96.5
4/4	250	219	1785	88.6		96.3
5/4	313	273	1781	89.2		95.9
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.		AMPERES
LOCKED ROTOR		0	163	1195		1460
PULL UP		1200	134	987		1228
BREAKDOWN		1726	276	2027		761
FULL LOAD		1785	100	735		219
AMPERES SHOWN FOR 575 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 96.2%						
		DRAWN BY: <u>C.E. JAMISON</u> CHECKED BY: <u>W.L. SMITH</u> APPROVED BY: <u>C.E. JAMISON</u> DATE: <u>08/07/15</u>		AC MOTOR PERFORMANCE DATA		A44WG5260-R001 DATE ISSUED 10/14/19

FRAME 449LP

HP 250

TYPE P

PHASE / HERTZ 3/60

CUSTOMER INFORMATION PACKET

RPM 1785

VOLTS 575

AMPS 219

DUTY CONT

AMB °C / INSUL 40/F

ECP844081R-1, 250HP, 1785RPM, 3PH, 60HZ, 449LP, 4443052Z, TEFC

S.F. 1.15

NEMA DESIGN B

CODE LETTER G

ENCLOSURE TEFC

E/S 445260

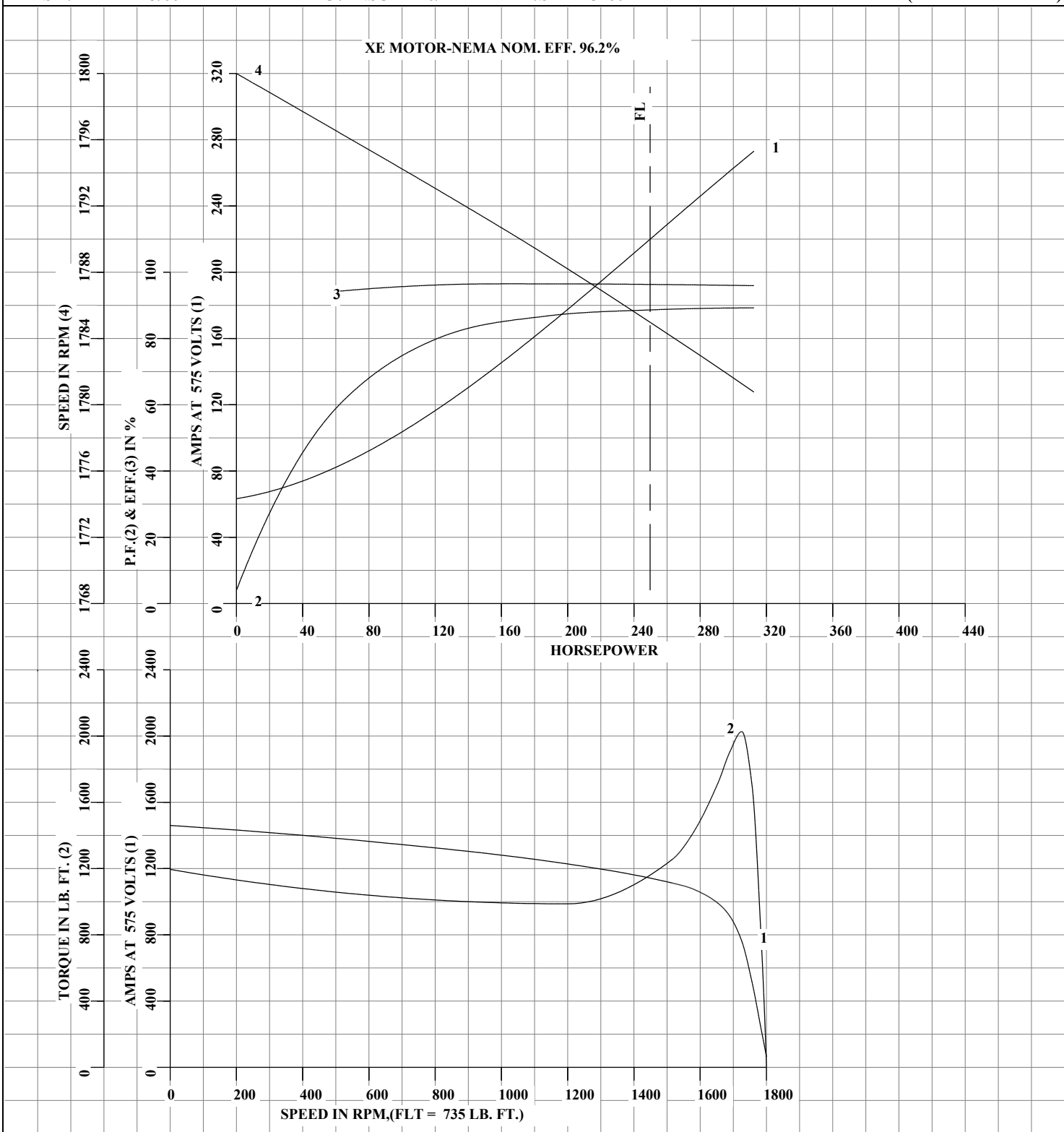
ROTOR 418143052Z EQ

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25°C .0187

OHMS (BETWEEN LINES)



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



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 DATE: 08/07/15

AC MOTOR
 PERFORMANCE
 DATA

A44WG5260-R001

ISSUE DATE 10/14/19

FRAME 449LP

RPM 1785

S.F. 1.15

ROTOR 418143052ZLEQ

HP 250

VOLTS 575

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 219

CODE LETTER G

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

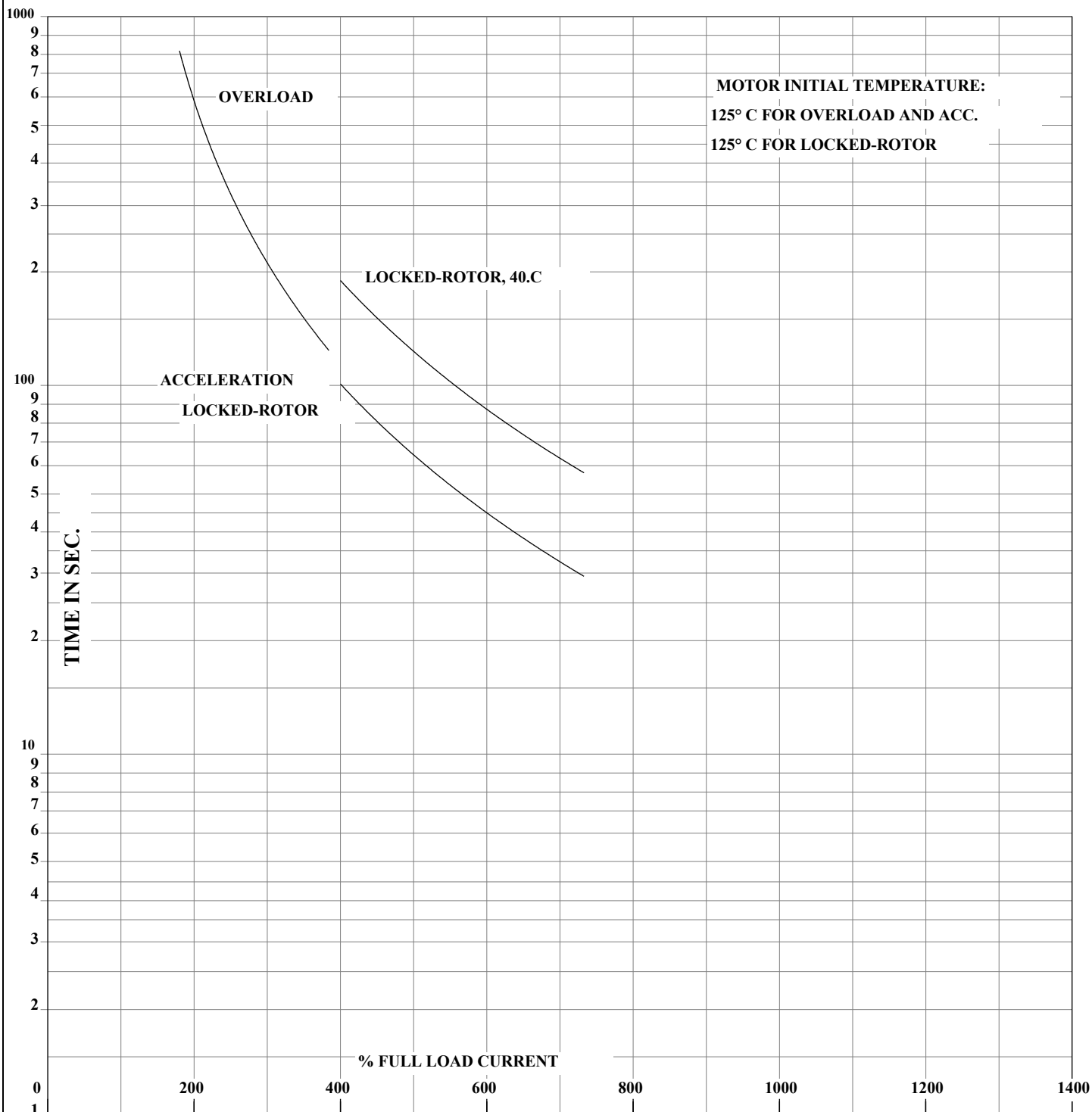
ENCLOSURE TEFC

STATOR RES. @ 25°C .0187

AMB °C / INSUL 40/F

E/S 445260

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 96.2%

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

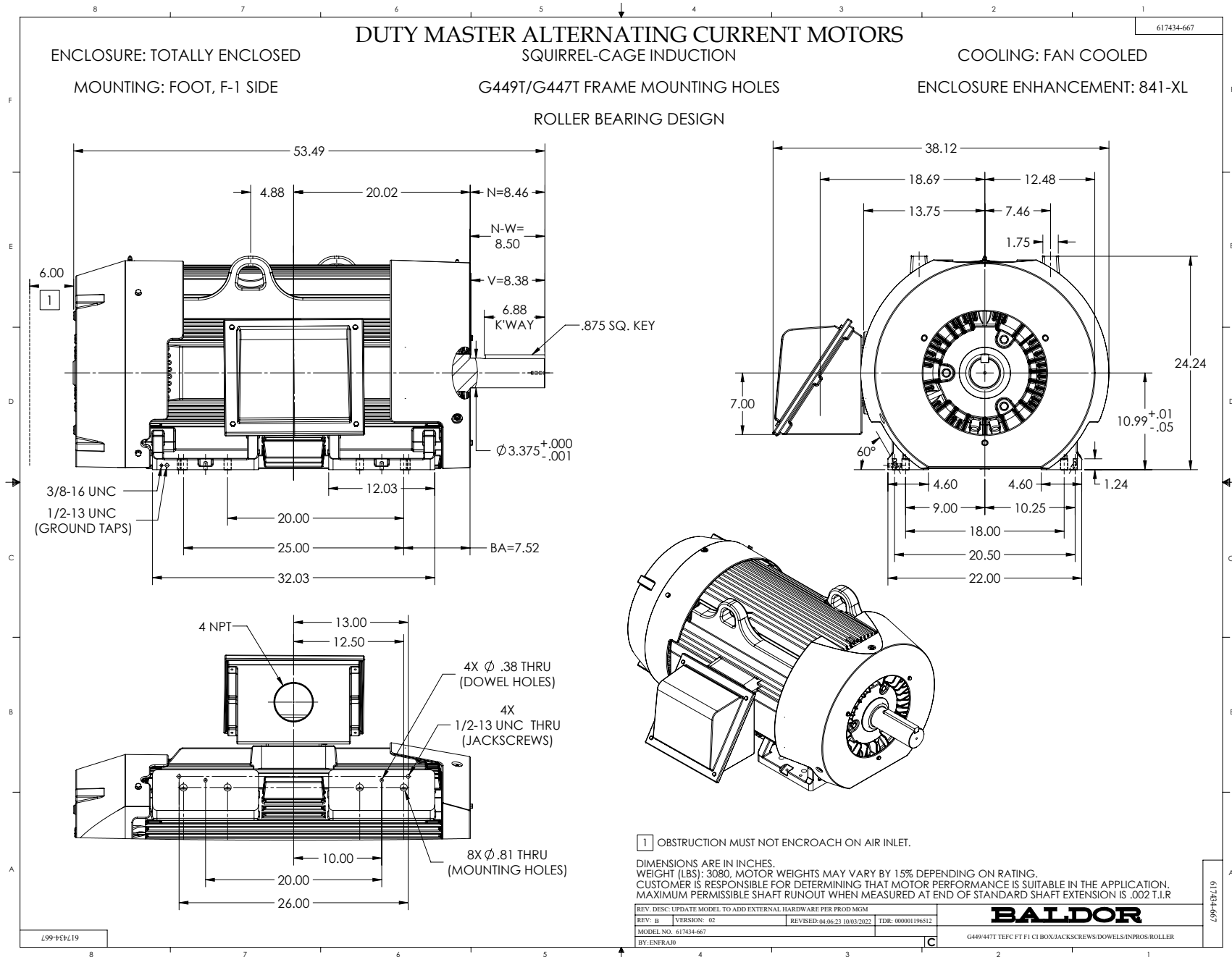


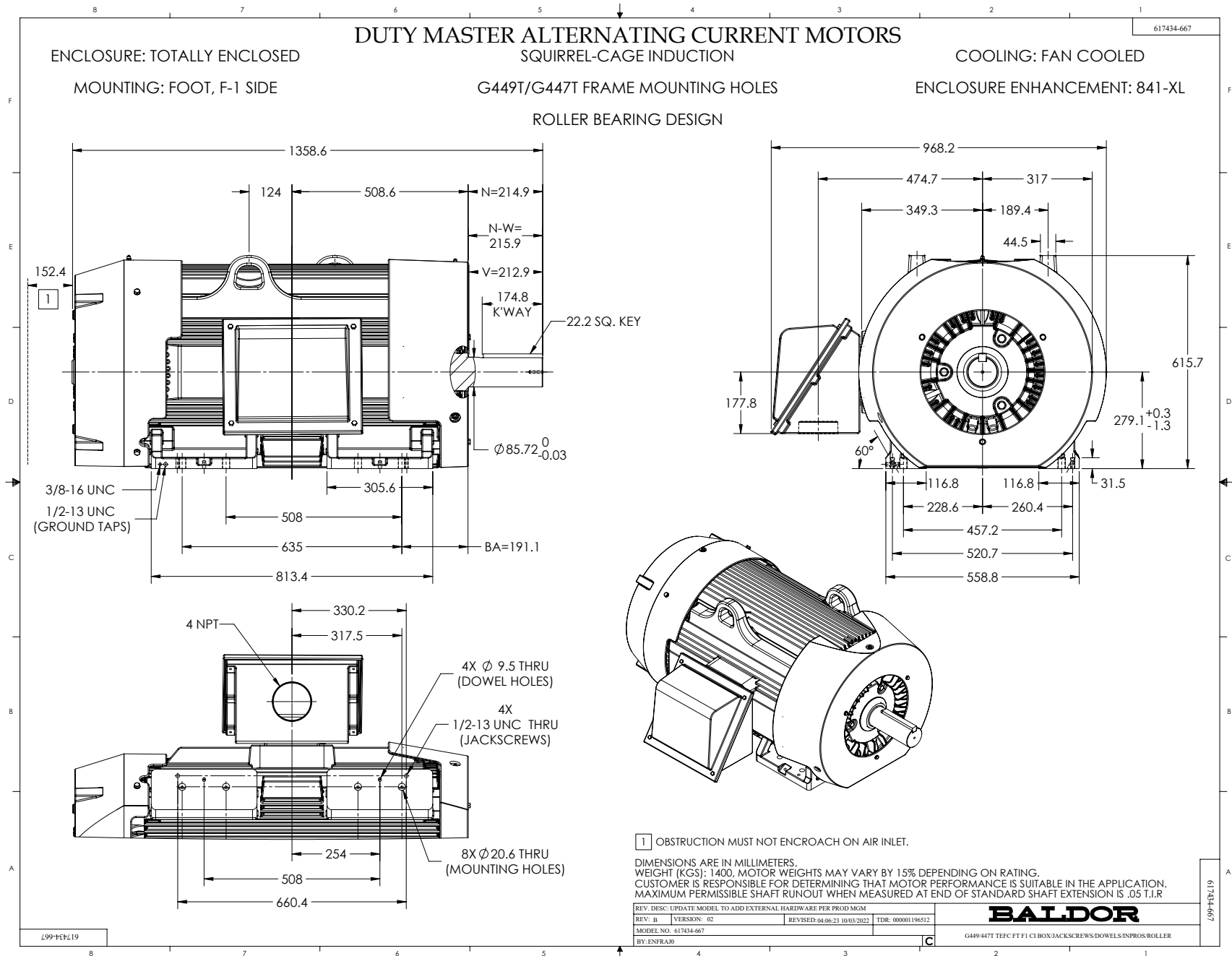
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AC MOTOR
PERFORMANCE
DATA

A44WG5260-R001

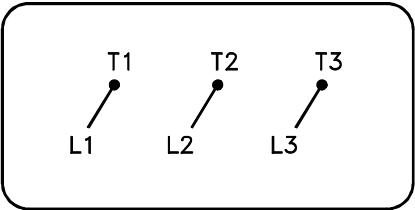
ISSUE DATE 10/14/19





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