

ABB BALDOR RELIANCE III

Customer information packet

CXT31254T-5

125HP, 1785RPM, 3PH, 60HZ, 444TC, A44076M, TEF

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	444TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR NEMA_PREMIUM NEMA PREMIUM CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	115.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	115.0 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	G
Max Speed	3600 rpm

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	NLA/A
Elec. spec.	A44WG4202
Layout	617427-802
Eff. date	09-29-2026
CD Diagram	416820-036
Poles	04
Leads	3#1
Proprietary	False
Created date	07-15-2021

Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44076M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	44.97 IN
Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4152LUA																		
CAT #		CXT31254T-5				SER					CC		010A					
SPEC		A44-0002-4202				RATING		40C AMB-CONT										
HZ		VOLTS		AMPS		RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF				
60		575		115		1785		125	H		1.15	B	85	%	95.4	%		
													%		%			
PH	3	CL	F	MAX RPM		3600	MAX CORR KVAR			27								
BRG		DE	6318		ODE	6318		ENCL	TEFC	FR	444TC		IP	54				
GREASE		POLYREX EM								MTR WT				LBS				
CL I DIV 2 GRPS A,B,C,D				CL I ZONE 2 GRPS				IIA,IIB,IIC				TEMP T		200	C			
INV READY		CT	6:1		HZ	10-60		VT	1000:1		HZ	0-60		CHP	1:1.5		HZ	60-90
INV TEMP CL		T3	C	USABLE AT		N/A												
SFA 132																		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444TS	125	P	3/60	1785	575
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
115	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
498874	418143052KE	---	---	.0591		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	41.6	1800	3.95	0	
1/4	31.3	49.6	1796	50.9	92.8	
2/4	62.5	67.1	1793	73.1	95.3	
3/4	93.7	89.3	1789	82.1	95.7	
4/4	125	114	1785	85.9	95.5	
5/4	156	141	1781	87.4	95.1	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	150	553	789	
PULL UP		270	127	465	774	
BREAKDOWN		1729	287	1054	439	
FULL LOAD		1785	100	368	114	
AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOMINAL EFFICIENCY = 95.4PCT.						
		DR. BY E.J. CHRISTIAN CK. BY T.G. KELATI APP. BY E.J. CHRISTIAN DATE 11/24/15		A-C MOTOR PERFORMANCE DATA A44WG4202-R001 ISSUE DATE 10/23/20		

REL S.O.

 RPM **1785**

 S.F. **1.15**

 ROTOR **418143052KE**

 FRAME **444TS**

 VOLTS **575**

 NEMA DESIGN **B**

 TEST S.O. **TYPICAL DATA**

 HP **125**

 AMPS **115**

 CODE LETTER **G**

TEST DATE ---

 TYPE **P**

 DUTY **CONT**

 ENCLOSURE **TEFC**

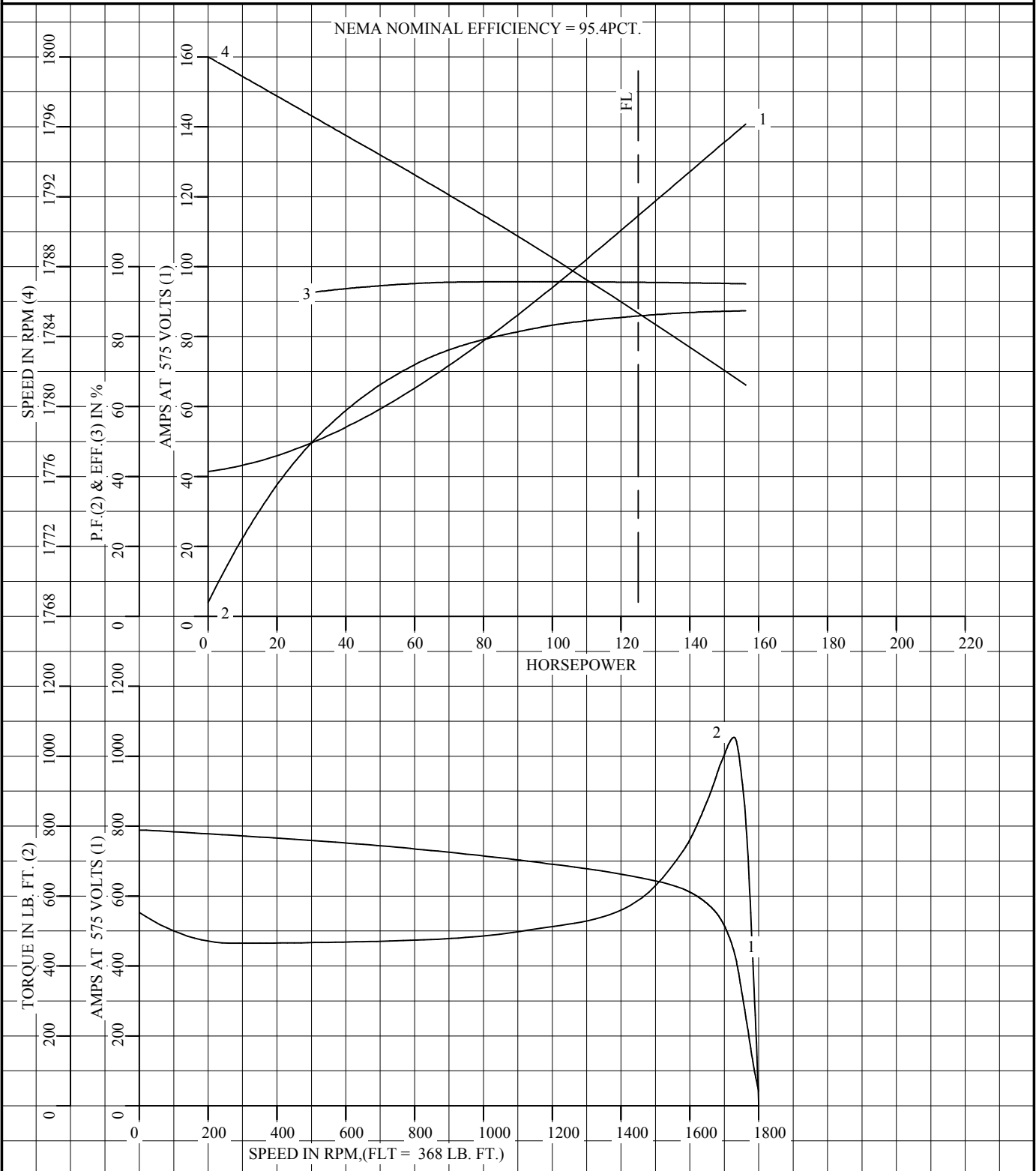
 STATOR RES. @ 25 °C **.0591**

 PHASE/HERTZ **3/60**

 AMB °C/INSUL **40/F**

 E/S **498874**

OHMS (BETWEEN LINES)



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

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY EJCHRISTIAN
CK. BY T.G.KELATI
APP. BY EJCHRISTIAN
DATE 11/24/15

**A-C MOTOR
PERFORMANCE
CURVES**

A44WG4202-R001

ISSUE DATE 10/23/20

Page 6 of 9

REL. S.O.

RPM **1785**

S.F. **1.15**

ROTOR **418143052KE**

FRAME **444TS**

VOLTS **575**

NEMA DESIGN **B**

TEST S.O. **TYPICAL DATA**

HP **125**

AMPS **115**

CODE LETTER **G**

TEST DATE **---**

TYPE **P**

DUTY **CONT**

ENCLOSURE **TEFC**

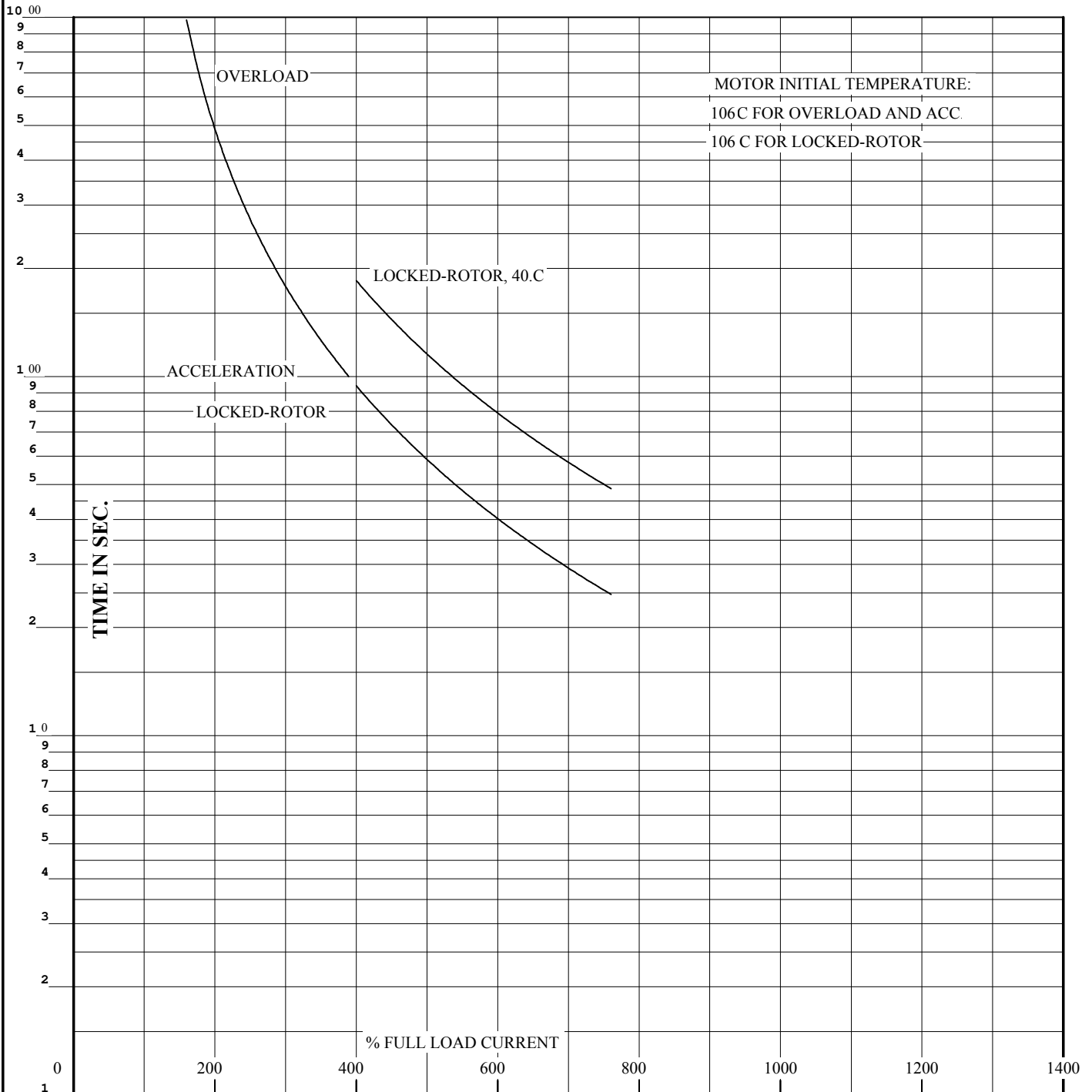
STATOR RES. @ 25 °C **.0591**

PHASE/HERTZ **3/60**

AMB °C/INSUL **40/F**

E/S **498874**

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

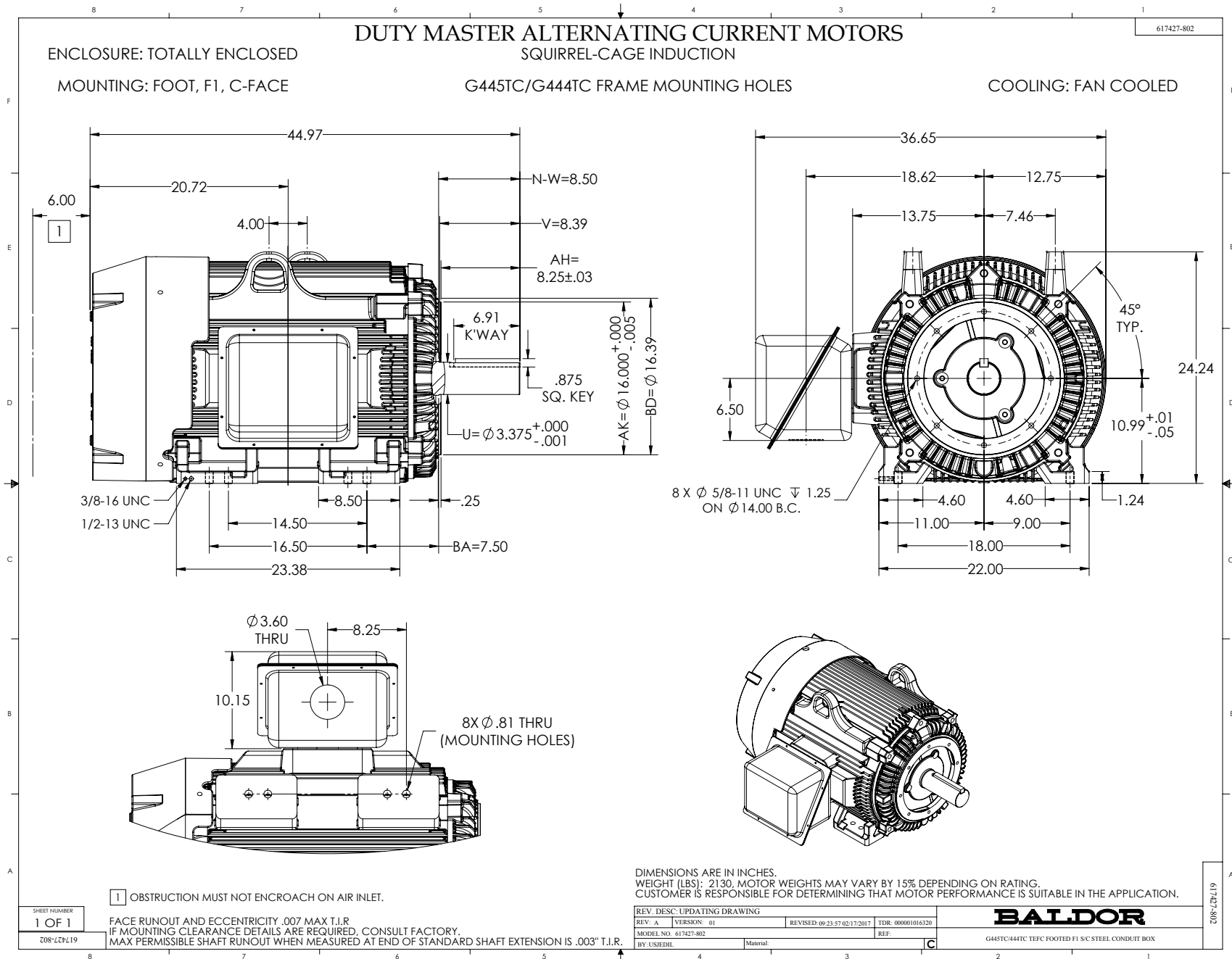
NEMA NOMINAL EFFICIENCY = 95.4PCT.

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

BALDOR
A MEMBER OF THE ABB GROUP

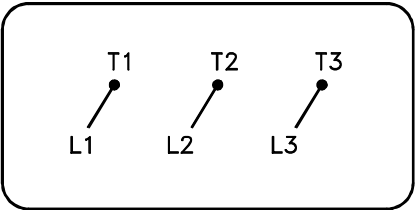
DR. BY EJCHRISTIAN
CK. BY T.G.KELATI
APP. BY EJCHRISTIAN
DATE 11/24/15
**A-C MOTOR
PERFORMANCE
CURVES**
A44WG4202-R001

ISSUE DATE 10/23/20 Page 7 of 9



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