

ABB BALDOR RELIANCE III

Customer information packet

CXT32004T-5

200HP, 1785RPM, 3PH, 60HZ, 447TC, A44120M, TEF

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	447TC
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	200.000 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	178.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	178.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Max Speed	3600 rpm

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	NLA/A
Elec. spec.	A44WG0891
Layout	617435-359
Eff. date	09-29-2026
CD Diagram	416820-036
Poles	04
Leads	3#1 (02 per group)
Proprietary	False
Created date	09-16-2021

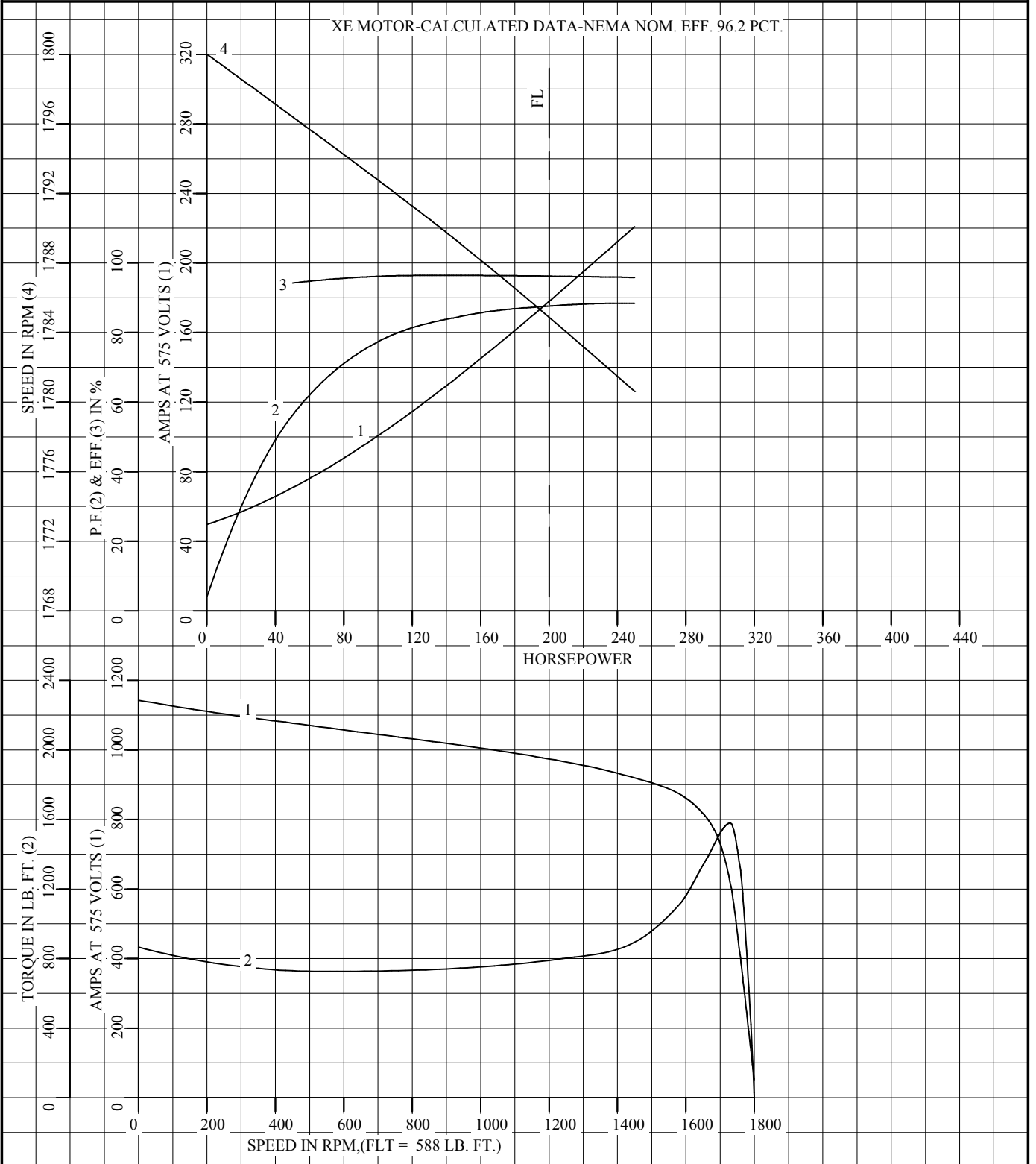
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44120M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	48.47 IN
Power Factor	88
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground 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 #		CXT32004T-5				SER					CC		010A				
SPEC		A44-0094-0891				RATING		40C AMB-CONT									
HZ		VOLTS		AMPS		RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF			
60		575		178		1785		200	G		1.15	B	88	%	96.2	%	
													%			%	
PH	3	CL	F	MAX RPM		3600	MAX CORR KVAR			34							
BRG		DE	6318		ODE	6318		ENCL	TEFC	FR	447TC		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	2:1	HZ	30-60	VT	1000:1	HZ	0-60		CHP	1:1.5	HZ	60-90			
INV TEMP CL		T3	C	USABLE AT		N/A											

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TZ	200	P	3/60	1785	575
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
178	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
---	418143052CE	---	---	.0265		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	49.6	1800	4.07	0	
1/4	50.0	70.7	1796	56.3	94.3	
2/4	100	101	1793	77.4	96.2	
3/4	150	137	1789	84.8	96.4	
4/4	200	178	1785	87.6	96.2	
5/4	250	221	1781	88.4	95.8	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	147	865	1143	
PULL UP		540	123	726	1065	
BREAKDOWN		1730	268	1579	616	
FULL LOAD		1785	100	588	178	
AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: TYPICAL DATA XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 96.2 PCT.						
		DR. BY	C.E. JAMISON	A-C MOTOR PERFORMANCE DATA A44WG0891-R001 ISSUE DATE 10/23/20		
		CK. BY	W.L. SMITH			
		APP. BY	W.L. SMITH			
		DATE	06/12/18			

REL S.O.	RPM 1785	S.F. 1.15	ROTOR 418143052CE
FRAME 447TZ	VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 200	AMPS 178	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C .0265
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S ---	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 C.E. JAMISON
CK. BY W.L. SMITH
APP. BY W.L. SMITH
DATE 06/12/18

**A-C MOTOR
PERFORMANCE
CURVES**

A44WG0891-R001

ISSUE DATE 10/23/20 Page 6 of 9

REL. S.O.

RPM **1785**

S.F. **1.15**

ROTOR **418143052CE**

FRAME **447TZ**

VOLTS **575**

NEMA DESIGN **B**

TEST S.O. **TYPICAL DATA**

HP **200**

AMPS **178**

CODE LETTER **G**

TEST DATE **---**

TYPE **P**

DUTY **CONT**

ENCLOSURE **TEFC**

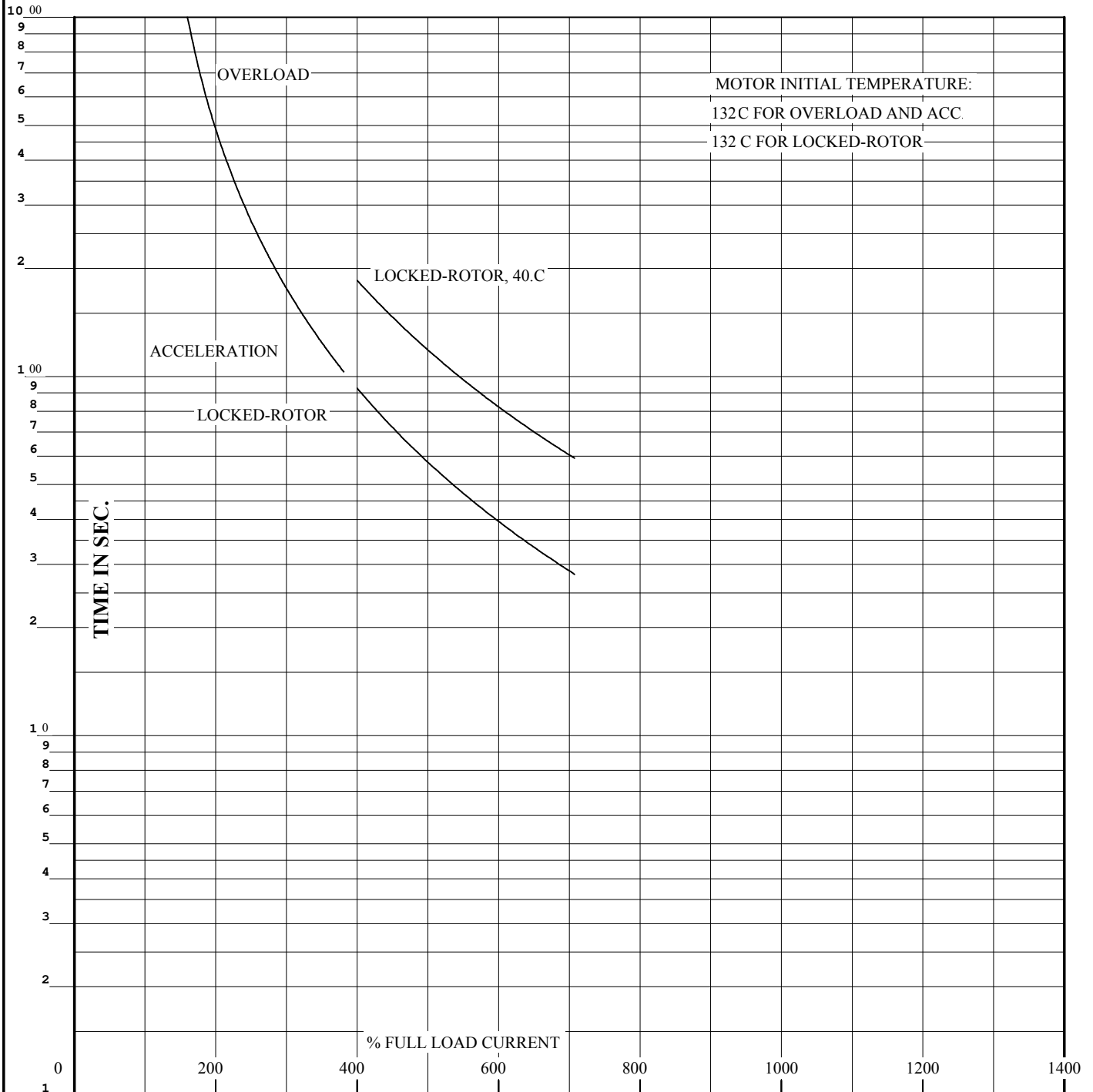
STATOR RES. @ 25 °C **.0265**

PHASE/HERTZ **3/60**

AMB °C/INSUL **40/F**

E/S **---**

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

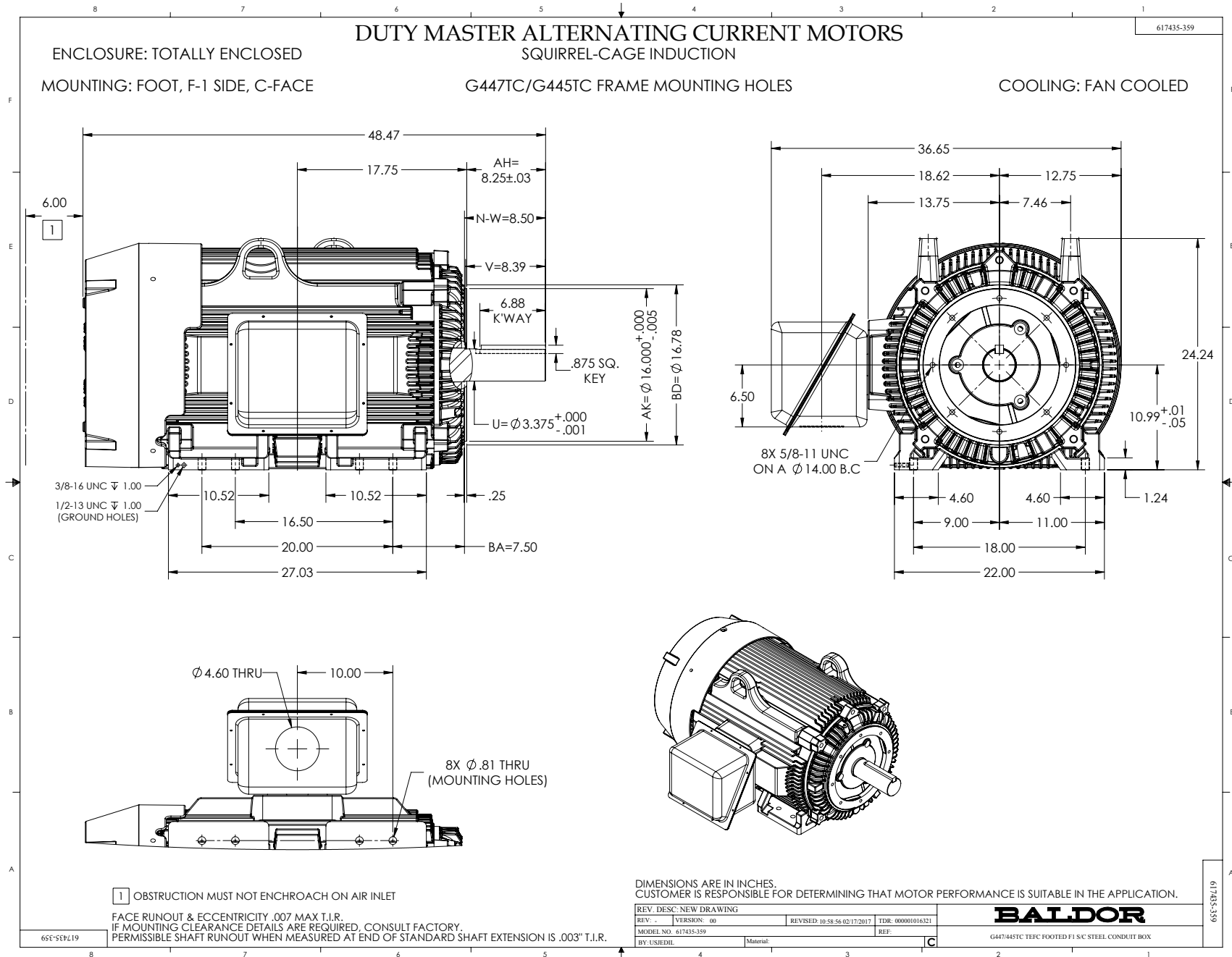
XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 96.2 PCT.

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

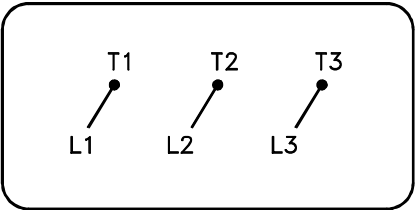
DR. BY C.E. JAMISON
CK. BY W.L. SMITH
APP. BY W.L. SMITH
DATE 06/12/18
**A-C MOTOR
PERFORMANCE
CURVES**
A44WG0891-R001

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