

ABB BALDOR RELIANCE III

Customer information packet

CPX44246T

200HP, 1785RPM, 3PH, 60HZ, 447T, TEFC, F1

Class - CLI GP C,D; CLII GP E,F,G

Division - Division I

Specifications

Enclosure	TEFC
Frame	447T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	222.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	222.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG0690
Layout	617426-328
Eff. date	05-01-2019
CD Diagram	416820-036
Poles	04
Leads	3#1/0 (02 per group)
Proprietary	False
Created date	04-29-2019

KVA Code	G
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	6 @ 1/0 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	Standard
Service Factor	1.00
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	Normally Closed Thermostat

Nameplate

NP2496L	
MOBIL POLYREX EM	

000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	E F G	
OPERATING TEMP CODE	T3C	

000901002AAA	
SUITABLE FOR 55C AMB AT 1.00 A	T SINEWAVE

NP3140L

SPEC NO.	A44-5067-0690			CAT.NO.	CPX44246T					FRAME	447T
HP	200	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P		
RPM	1785	AMPS	222	HZ	60	AMB	40	SF	1.00		
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC	CODE	G					
SF	1.15	WK2	68.32	MAG CUR	62.0	RPM MAX		3600			
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-90	NEMA-NOM-EFF			96.2		
	IP66										
SER.NO.				MOTOR WEIGHT		2676					

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							CPX44246T - 200HP, 1785RPM, 3PH, 60HZ, 447T, TEFC, F1						
S/O			FRAME			HP			TYPE			PHASE/HERTZ			RPM			VOLTS		
			447LP			200			P			3/60			1785			460		
AMPS			DUTY			AMB °C/ INSUL			S.F.			NEMA DESIGN			CODE LETTER			ENCLOSURE		
222			CONT			40/F			1.00			B			G			TEFC		
E/S			ROTOR			TEST S.O.			TEST DATE			STATOR RES. @25 °C OHMS (BETWEEN LINES)								
---			418143052CE			---			---			.0169								
PERFORMANCE																				
LOAD			HP			AMPERES			RPM			% POWER FACTOR			% EFFICIENCY					
NO LOAD			0			62.0			1800			4.07			0					
1/4			50.0			88.3			1796			56.3			94.3					
2/4			100			126			1793			77.4			96.2					
3/4			150			172			1789			84.8			96.4					
4/4			200			222			1785			87.6			96.2					
5/4			250			276			1781			88.4			95.8					
SPEED TORQUE																				
						RPM			TORQUE % FULL LOAD			TORQUE LB.-FT.			AMPERES					
LOCKED ROTOR						0			147			865			1428					
PULL UP						540			123			726			1332					
BREAKDOWN						1730			268			1579			770					
FULL LOAD						1785			100			588			222					
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.																				
TYPICAL DATA XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 96.2 PCT.																				
						DRAWN BY: <u>C.D.</u> CHECKED BY: <u>E.J.CHRISTIAN</u> APPROVED BY: <u>E.J.CHRISTIAN</u> DATE: <u>07/06/17</u>						AC MOTOR PERFORMANCE DATA			A44WG0690-R005 DATE ISSUED 04/22/20					

FRAME 447LP

VOLTS 460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 200

AMPS 222

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE TEFC

STATOR RES. @ 25°C .0169

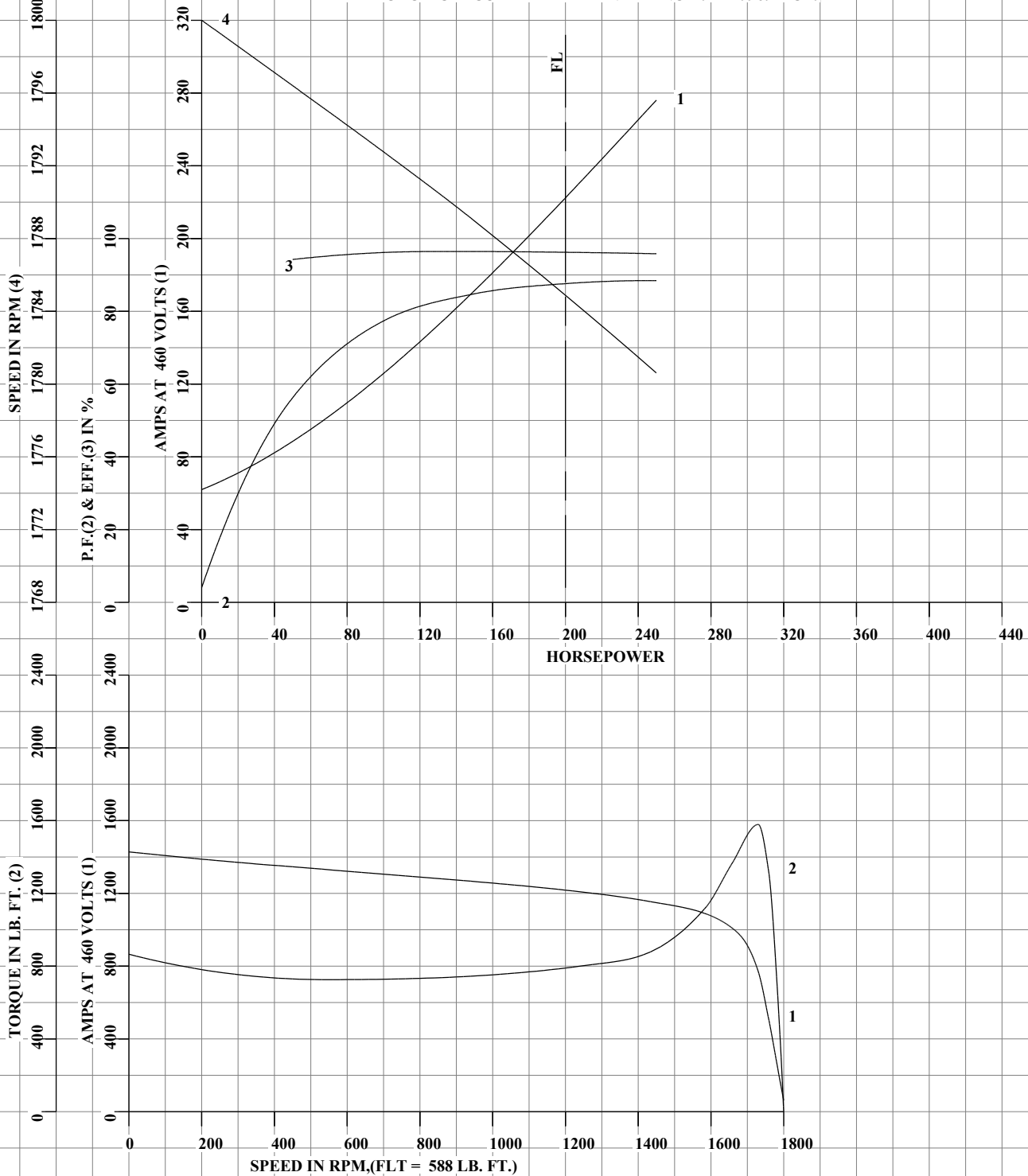
PHASE / HERTZ 3/60

AMB °C / INSUL 40/F

E/S ---

OHMS (BETWEEN LINES)

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



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DRAWN BY: C.D.
 CHECKED BY: E.J. CHRISTIAN
 APPROVED BY: E.J. CHRISTIAN
 DATE: 07/06/17

AC MOTOR
 PERFORMANCE
 DATA

A44WG0690-R005

ISSUE DATE 04/22/2026

FRAME 447LP

RPM 1785

S.F. 1.00

ROTOR 418143052CE

HP 200

VOLTS 460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 222

CODE LETTER G

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

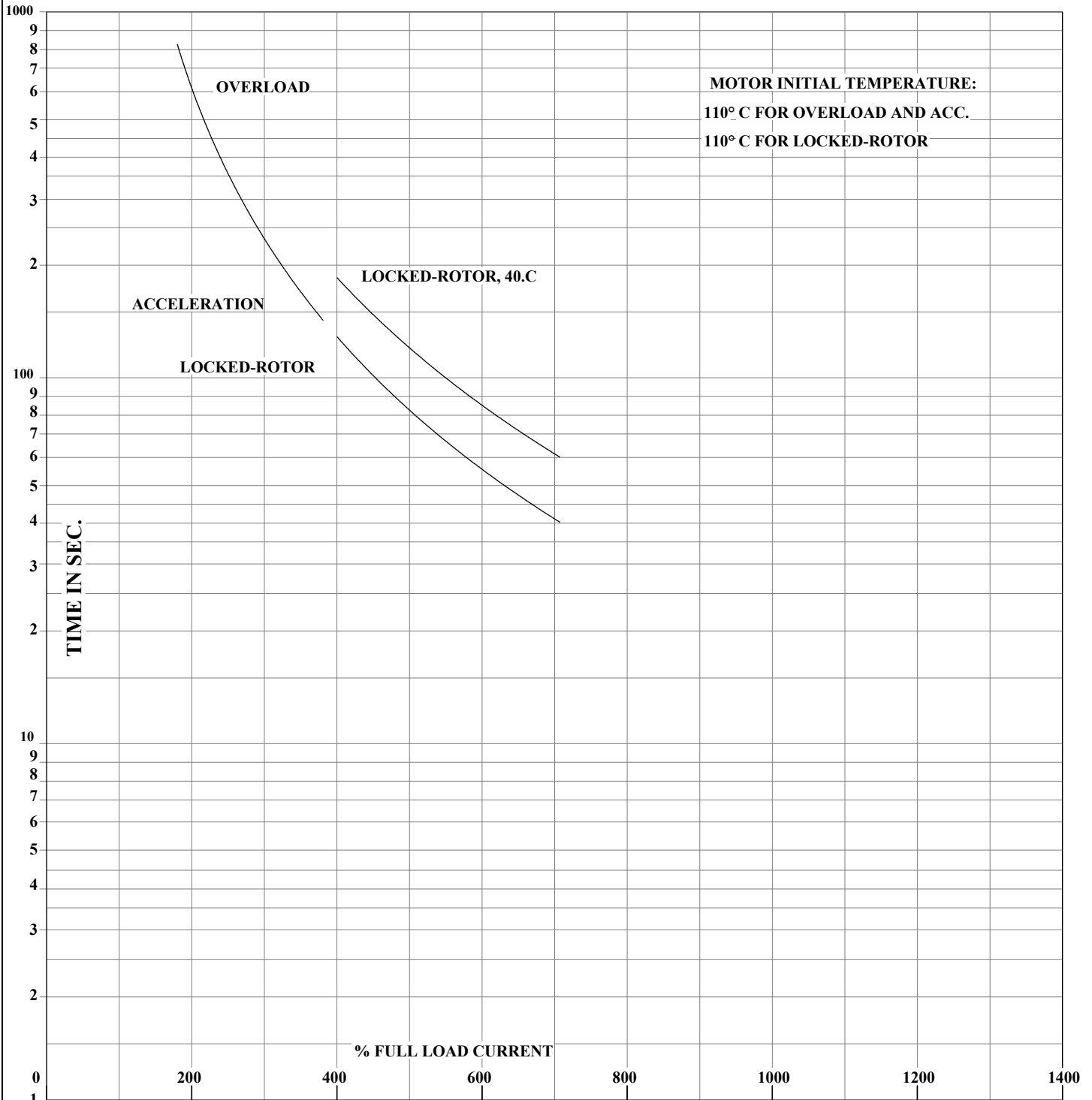
ENCLOSURE TEFC

STATOR RES. @ 25°C .0169

AMB °C / INSUL 40/F

E/S ---

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 96.2 PCT.

AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

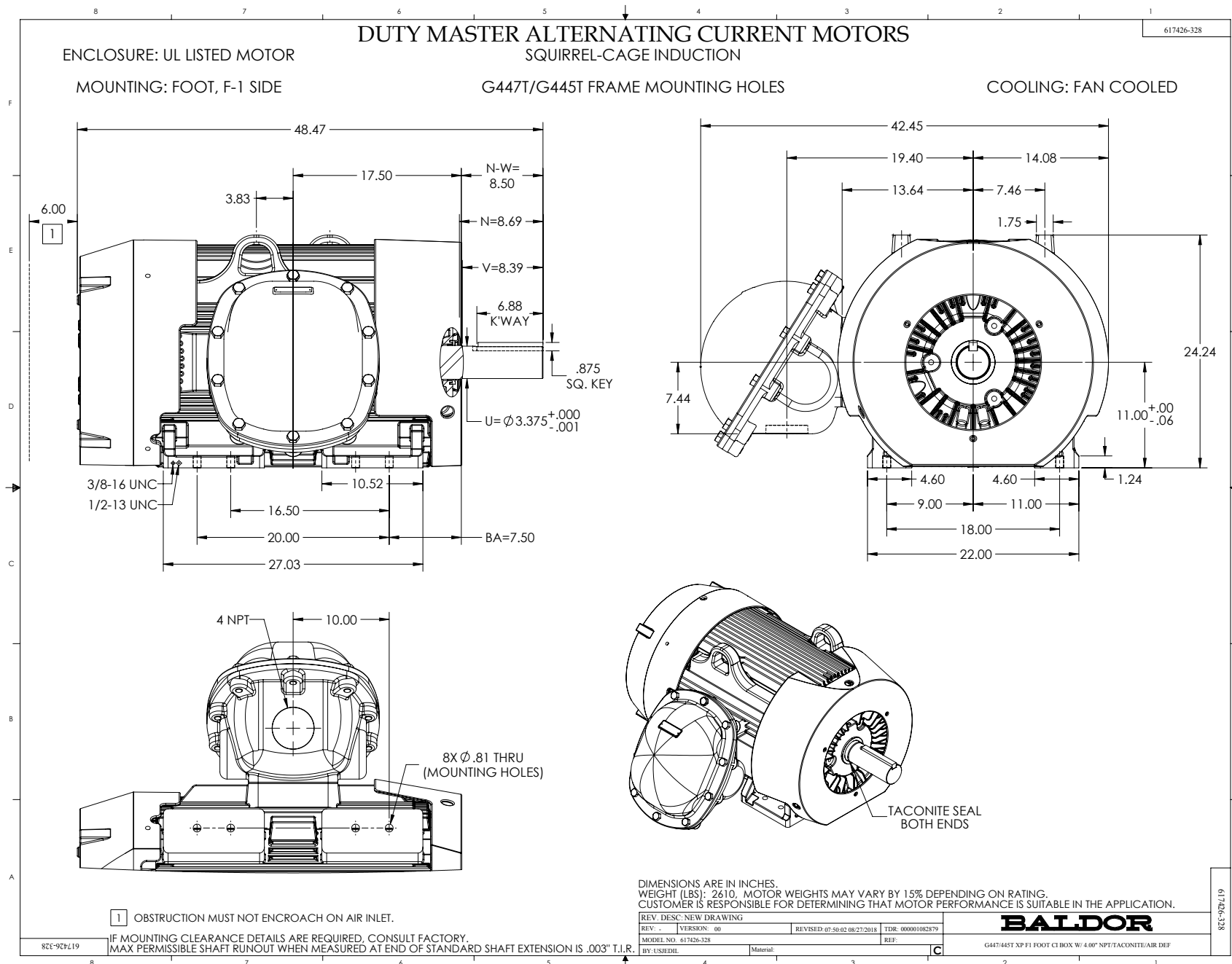


DRAWN BY: C.D.
CHECKED BY: E.J.CHRISTIAN
APPROVED BY: E.J.CHRISTIAN
DATE: 07/06/17

AC MOTOR
PERFORMANCE
DATA

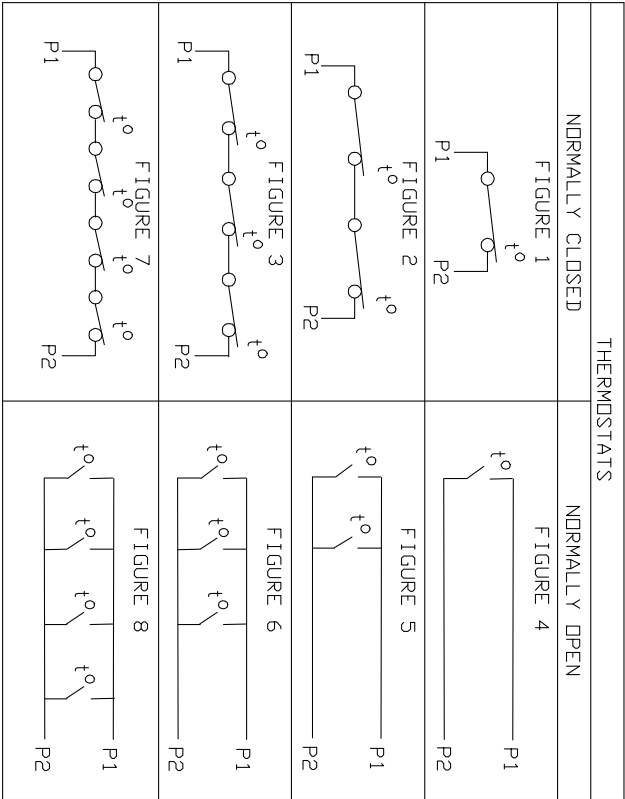
A44WG0690-R005

ISSUE DATE 04/22/2026



CONNECTION DIAGRAM
ACCESSORIES

MOTOR WINDING THERMOSTATS		
CONTACTS _____ @ _____ °C		
FIGURE NUMBER _____		
CONTACT RATING		
VOLTS	CONTINUOUS AMPERES	INRUSH AMPERES
110-120	3.0	30
220-240	1.5	15
440-480	0.75	7.5
550-600	0.60	6.0



CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

418174-006

418174-006

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
MTL: -		

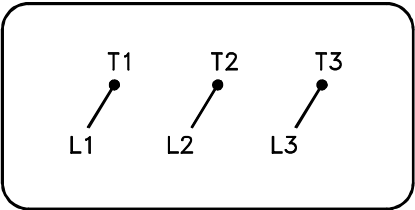
BALDOR

A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

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