

ABB BALDOR RELIANCE III

Customer information packet

DRX36464T

40HP, 1190RPM, 3PH, 60HZ, 364T, TEFC, F1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 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	49.800 A @ 460.0 V 99.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	49.8 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1194
Layout	611742-772
Eff. date	05-29-2019
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	05-01-2019

IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.48 IN
Power Factor	80
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 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	

000692000FX



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

NP3140L

SPEC NO.	A36-7817-1194			CAT.NO.	DRX36464T					FRAME	364T
HP	40	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1190	AMPS	99.6/49.8		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	G					
SF	1.15	WK2	20.223	MAG CUR	37/18.5		RPM MAX	2700			
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-90		NEMA-NOM-EFF		94.1		
	SUIT FOR 55C AMB AT 1.00 SF					IP55					
SER.NO.				MOTOR WEIGHT		908					

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							DRX36464T - 40HP, 1190RPM, 3PH, 60HZ, 364T, TEFC, F1																																		
S/O			FRAME			HP			TYPE			PHASE/ HERTZ			RPM			VOLTS																														
			364T			40			P			3/60			1190			230/460																														
AMPS							DUTY							AMB °C/ INSUL							S.F.							NEMA DESIGN							CODE LETTER							ENCLOSURE						
99.6/49.8							CONT							40/F							1.00							B							G							TEFC						
E/S							ROTOR							TEST S.O.							TEST DATE							STATOR RES. @25 °C OHMS (BETWEEN LINES)																				
491378							418141088JE							---							---							.0373/.149																				
PERFORMANCE																																																
LOAD							HP							AMPERES							RPM							% POWER FACTOR							% EFFICIENCY													
NO LOAD							0							18.5							1200							5.70							0													
1/4							10.0							22.4							1197							47.0							89.2													
2/4							20.0							29.6							1194							67.8							93.2													
3/4							30.0							39.1							1191							76.3							94.1													
4/4							40.0							49.8							1188							79.9							94.1													
5/4							50.0							61.2							1184							81.6							93.7													
SPEED TORQUE																																																
														RPM							TORQUE % FULL LOAD							TORQUE LB.-FT.							AMPERES													
LOCKED ROTOR														0							165							291							300													
PULL UP														480							142							251							274													
BREAKDOWN														1134							251							444							172													
FULL LOAD														1188							100							177							49.8													
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.																																																
TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 94.1 % GUARANTEED MIN. EFF. 93.0%																																																
														DRAWN BY: <u>T.G. KELATI</u> CHECKED BY: <u>D. H. MAY</u> APPROVED BY: <u>E.J. CHRISTIAN</u> DATE: <u>10/12/06</u>														AC MOTOR PERFORMANCE DATA							A36WG1194-R015 DATE ISSUED 01/24/25													

FRAME 364T

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 40

AMPS 99.6/49.8

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE TEFC

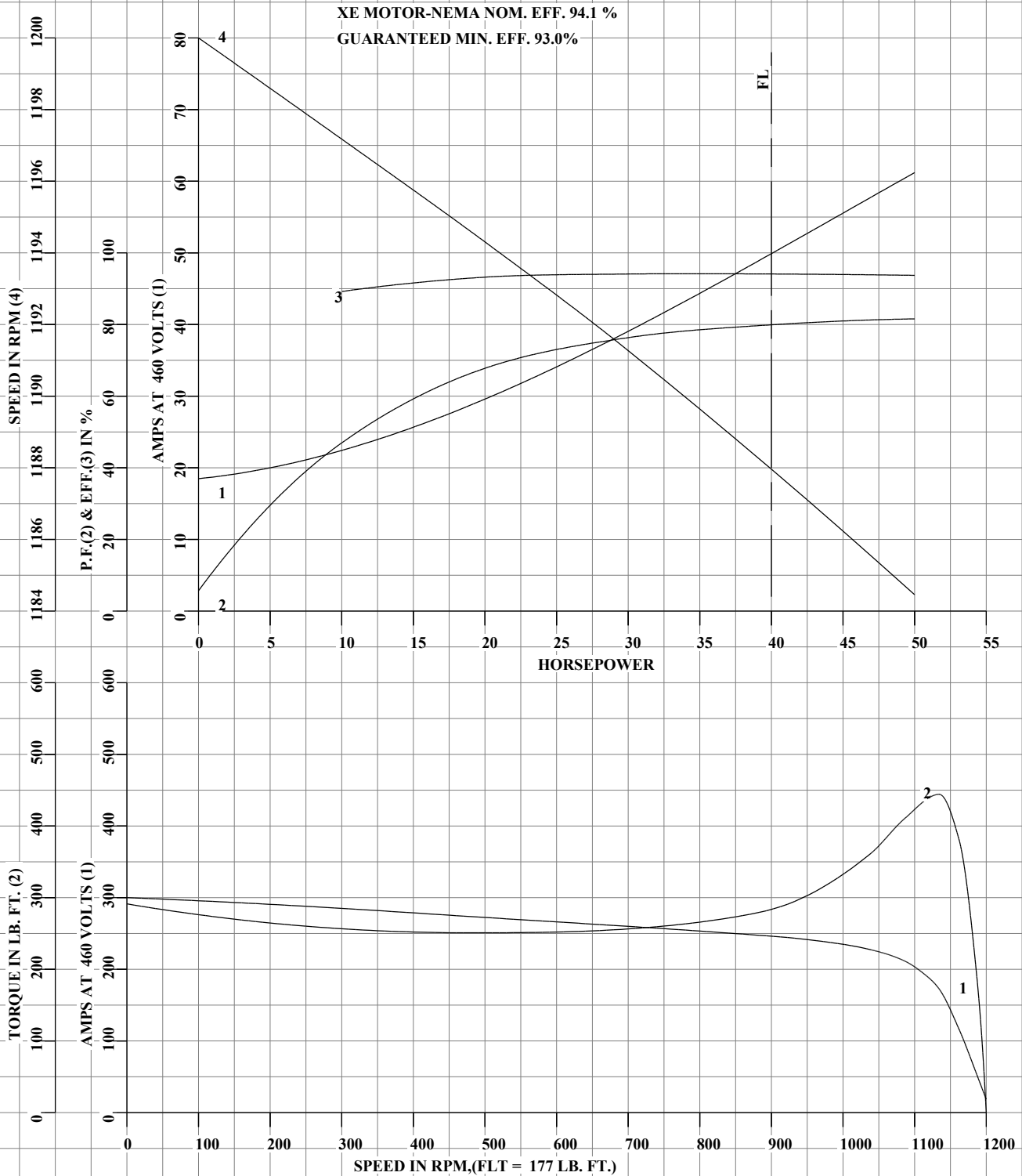
STATOR RES. @ 25°C .0373/.149

PHASE / HERTZ 3/60

AMB °C / INSUL 40/F

E/S 491378

OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DRAWN BY: T.G. KELATI
CHECKED BY: D. H. MAY
APPROVED BY: E.J. CHRISTIAN
DATE: 10/12/06

AC MOTOR
PERFORMANCE
DATA

A36WG1194-R015

ISSUE DATE 01/24/25

FRAME 364T

RPM 1190

S.F. 1.00

ROTOR 418141088JE

HP 40

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 99.6/49.8

CODE LETTER G

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

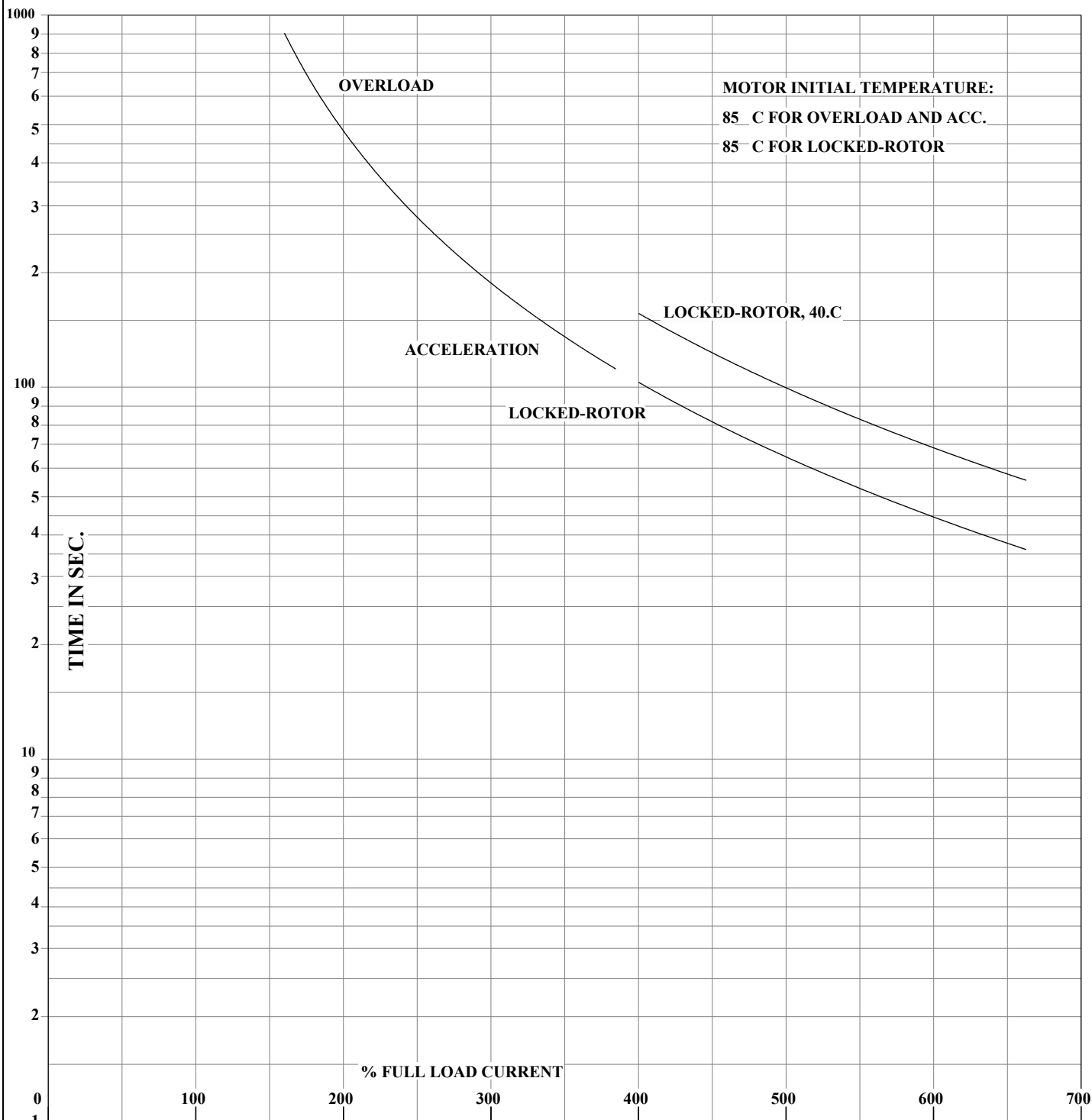
ENCLOSURE TEFC

STATOR RES. @ 25°C .0373/.149

AMB °C / INSUL 40/F

E/S 491378

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 94.1 %

AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

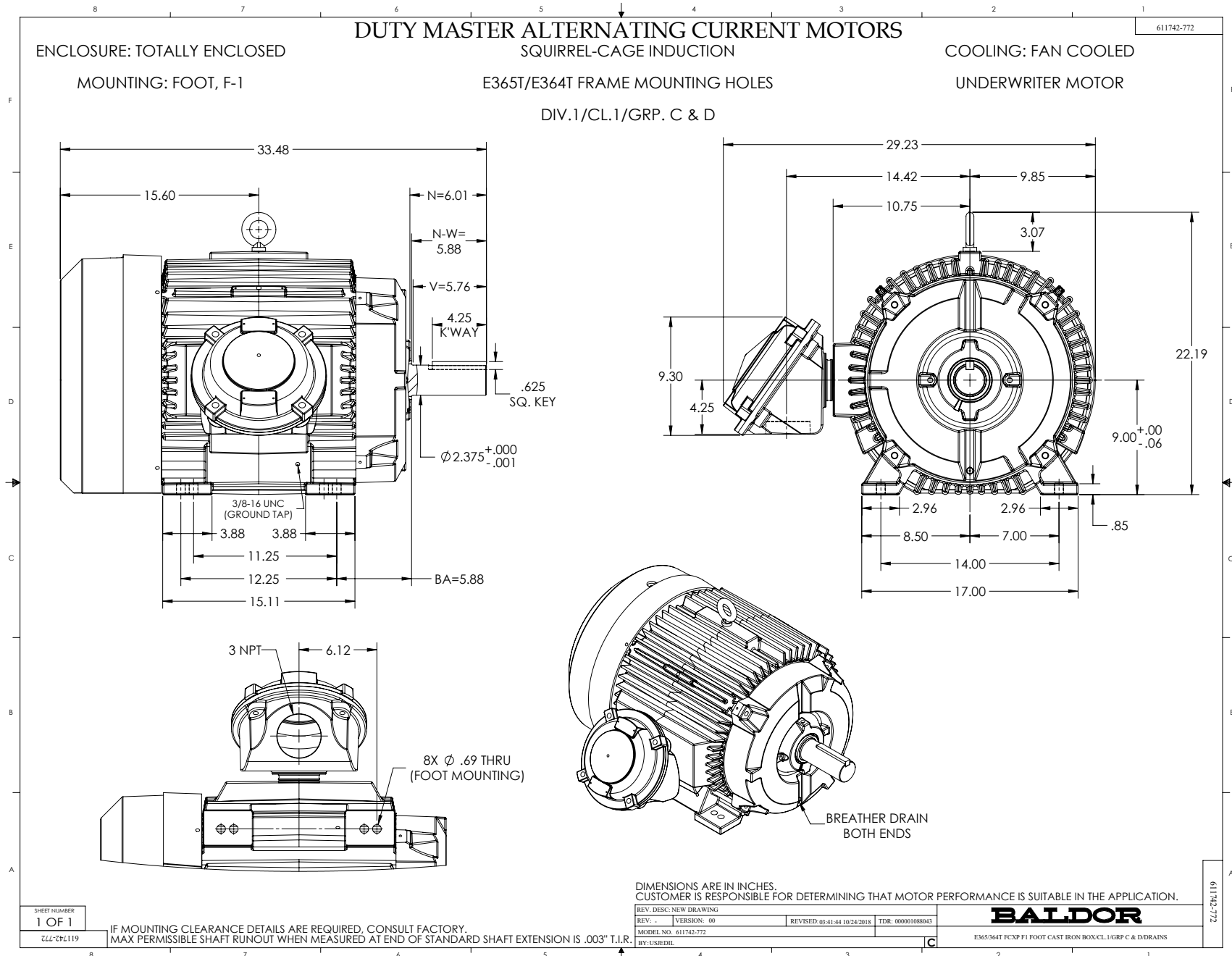


DRAWN BY: T.G. KELATI
CHECKED BY: D. H. MAY
APPROVED BY: E.J. CHRISTIAN
DATE: 10/12/06

AC MOTOR
PERFORMANCE
DATA

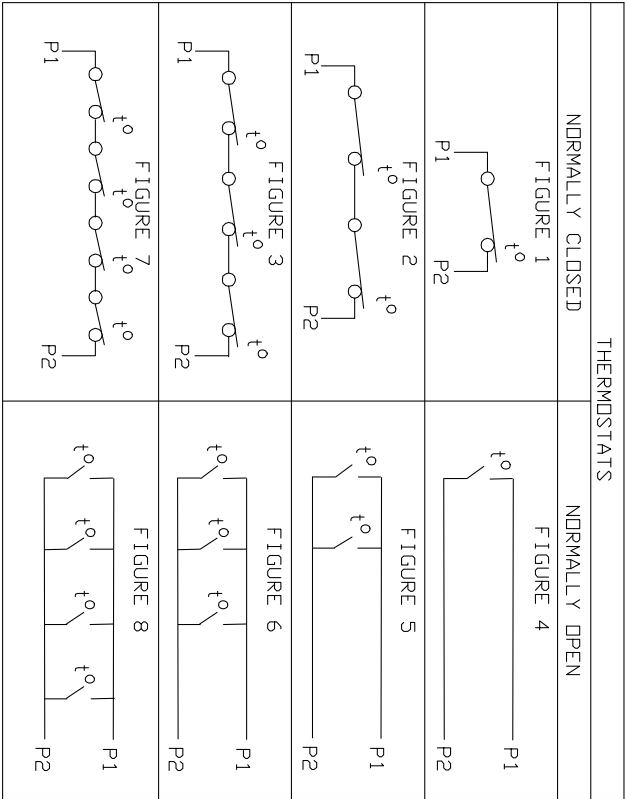
A36WG1194-R015

ISSUE DATE 01/24/25



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

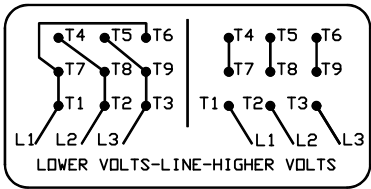
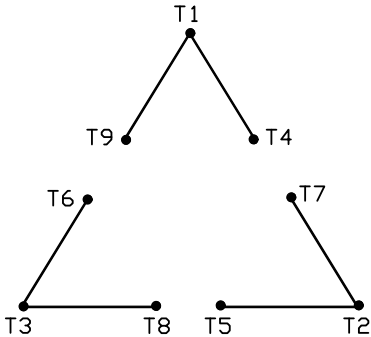


CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

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: -		

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N. P. 1575-B)

416820-002

REV. DESC: ADJUST TEXT DARKNESS

REV. LTR: B

VERSION: 02

TDR: 000001285318

FILE: \RAG\00022\453

REVISED: 09:36:26 09/24/2026

BY: USJOSUL

MTL: -



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1