

ABB BALDOR RELIANCE III

Customer information packet

CPX36726T

75HP, 3555RPM, 3PH, 60HZ, 365TS, TEFC, F1

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

Division - Division I

Specifications

Enclosure	TEFC
Frame	365TS
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	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	81.800 A @ 460.0 V 164.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	81.8 a
Insulation Class	F

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0026
Layout	617428-706
Eff. date	05-01-2019
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	04-26-2019

Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	92
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 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	E F G	
OPERATING TEMP CODE	T3C	

000901002AAA	
SUITABLE FOR 55C AMB AT 1.00 S	F AT SINEWAVE

NP3140L

SPEC NO.	A36-5003-0026			CAT.NO.	CPX36726T					FRAME	365TS
HP	75	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	3555	AMPS	164/81.8		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	F					
SF	1.15	WK2	8.642	MAG CUR	31/15.5		RPM MAX	4200			
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-70		NEMA-NOM-EFF		93.6		
	IP66										
SER.NO.				MOTOR WEIGHT		1005					

ABB BALDOR RELIANCE III S/O		CUSTOMER INFORMATION PACKET					CPX36726T - 75HP, 3555RPM, 3PH, 60HZ, 365TS, TEFC, F1				
		FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS				
		365TSC	75	P	3/60	3555	230/460				
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE					
164/81.8	CONT	40/F	1.00	B	F	TEFC					
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)							
892019	418141005TE	---	---	.0186/.0744							
PERFORMANCE											
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY						
NO LOAD	0	15.5	3600	12.6	0						
1/4	18.8	24.9	3589	78.9	89.3						
2/4	37.5	41.4	3578	91.1	93.1						
3/4	56.2	60.8	3567	92.3	93.9						
4/4	75.0	81.8	3555	91.6	93.8						
5/4	93.8	104	3542	90.9	93.3						
SPEED TORQUE											
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES						
LOCKED ROTOR		0	218	242	494						
PULL UP		1565	188	209	440						
BREAKDOWN		3395	226	250	259						
FULL LOAD		3555	100	111	81.8						
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. 93.6 % GUARANTEED MIN. EFF. 92.4%											
ABB		DRAWN BY: <u>C.E. JAMISON</u> CHECKED BY: <u>W.L. SMITH</u> APPROVED BY: <u>C.E. JAMISON</u> DATE: <u>08/17/17</u>		AC MOTOR PERFORMANCE DATA		A36WG0026-R004 DATE ISSUED 06/23/26					

FRAME 365TSC

HP 75

TYPE	P
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PHASE / HERTZ 3/60

CUSTOMER INFORMATION PACKET

INFORMATIC

VOLTS 230/460**AMPS 164/81.8****DUTY CONT**

AMB °C / INSUL 40/F

CPX3672CT - 75HP, 3555RPM, 3PH, 60HZ, 365TC, TFFC, F1

5726T - 75HP
S E 100

NEMA DESIGN B

CODE LETTER F

ENCLOSURE TEFC

E/S 892019

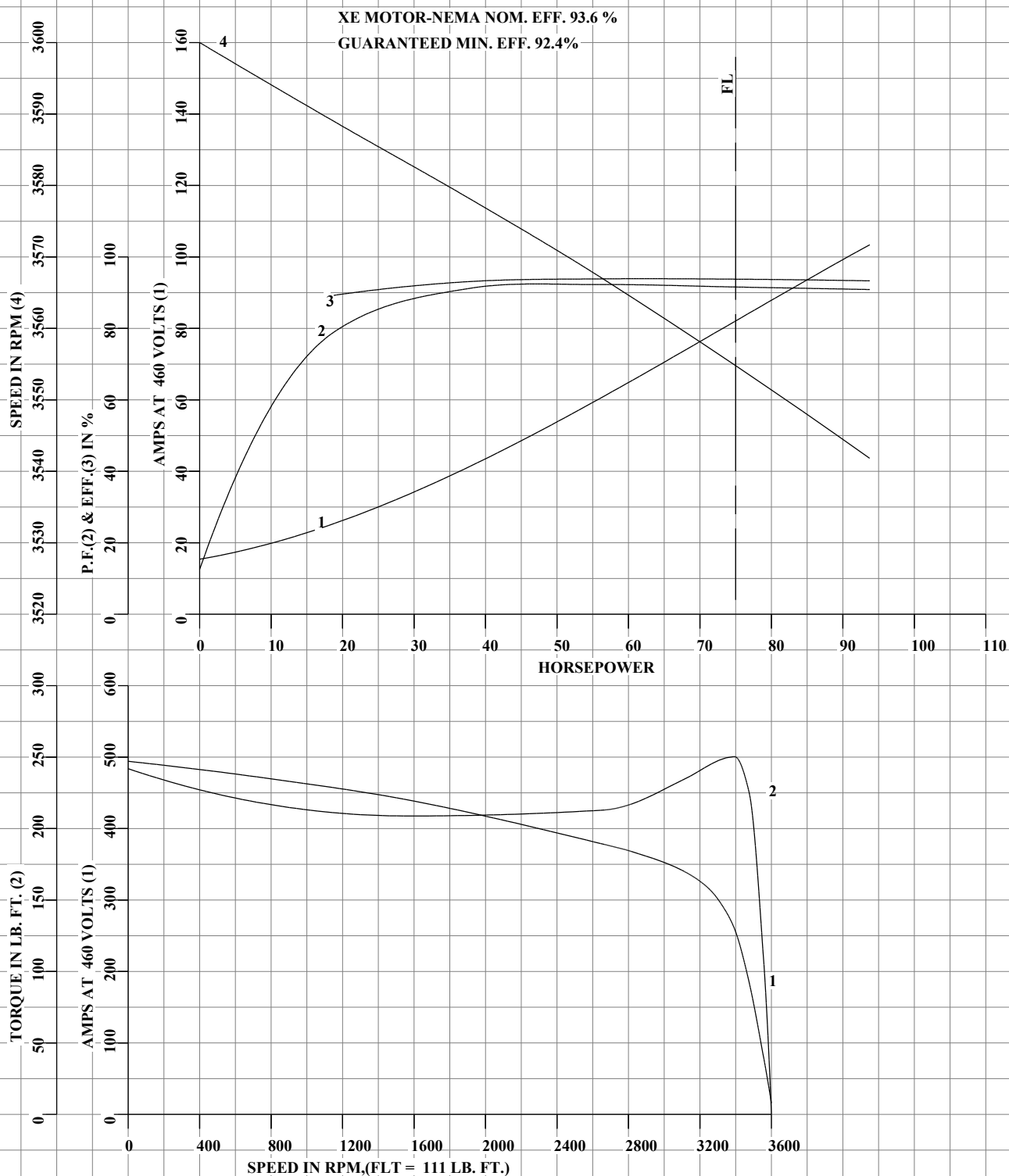
REF ID: A1841005

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25°C .0186/.0744

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: C.E. JAMISON
CHECKED BY: W.L. SMITH
APPROVED BY: C.E. JAMISON
DATE: 08/17/17

AC MOTOR PERFORMANCE DATA

A36WG0026-R004

ISSUE DATE 06/23/26

FRAME 365TSC

RPM 3555

S.F. 1.00

ROTOR 418141005TE

HP 75

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

TYPE P

AMPS 164/81.8

CODE LETTER F

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

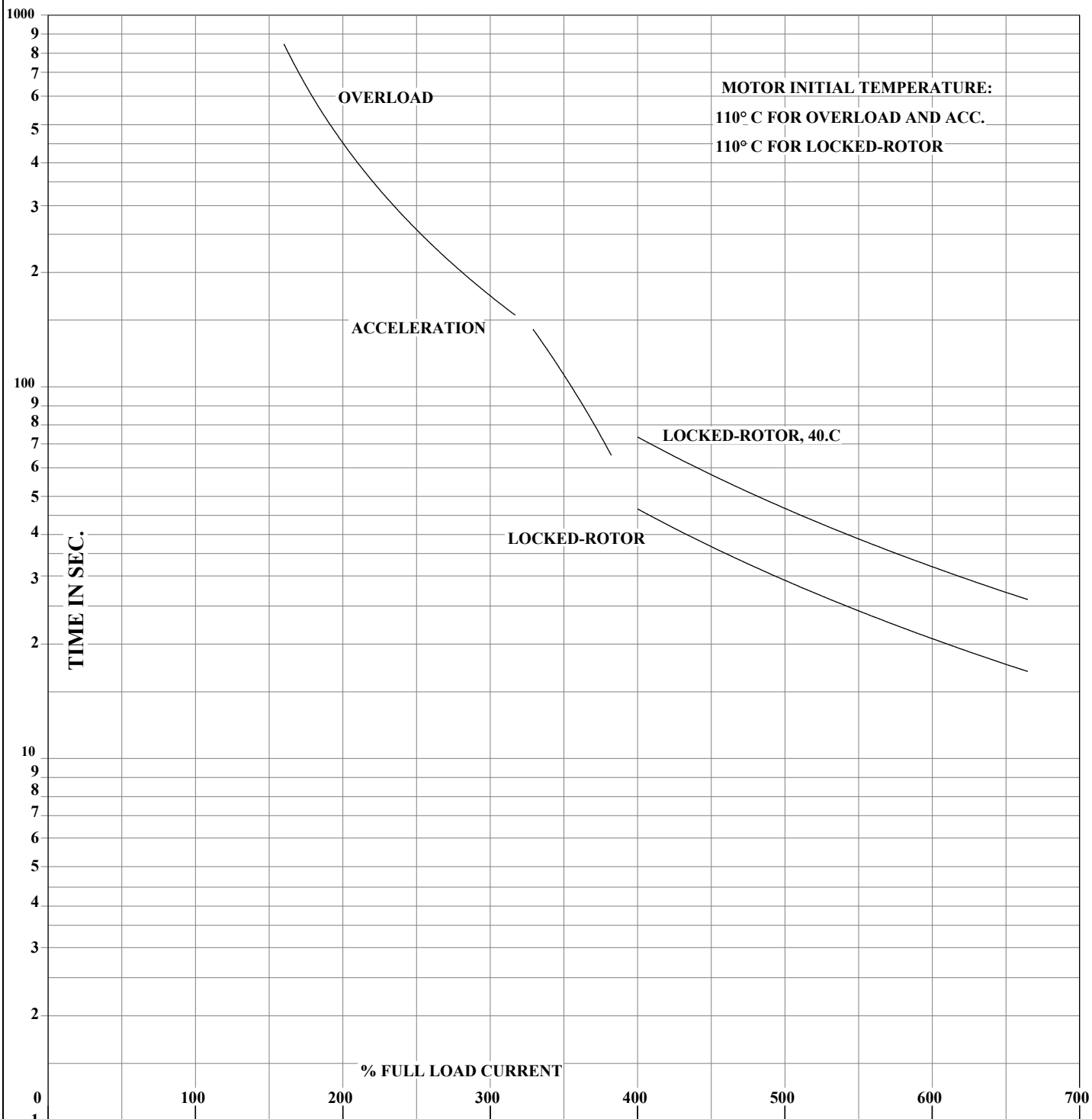
ENCLOSURE TEFC

STATOR RES. @ 25°C .0186/.0744

AMB °C / INSUL 40/F

E/S 892019

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 93.6 %

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

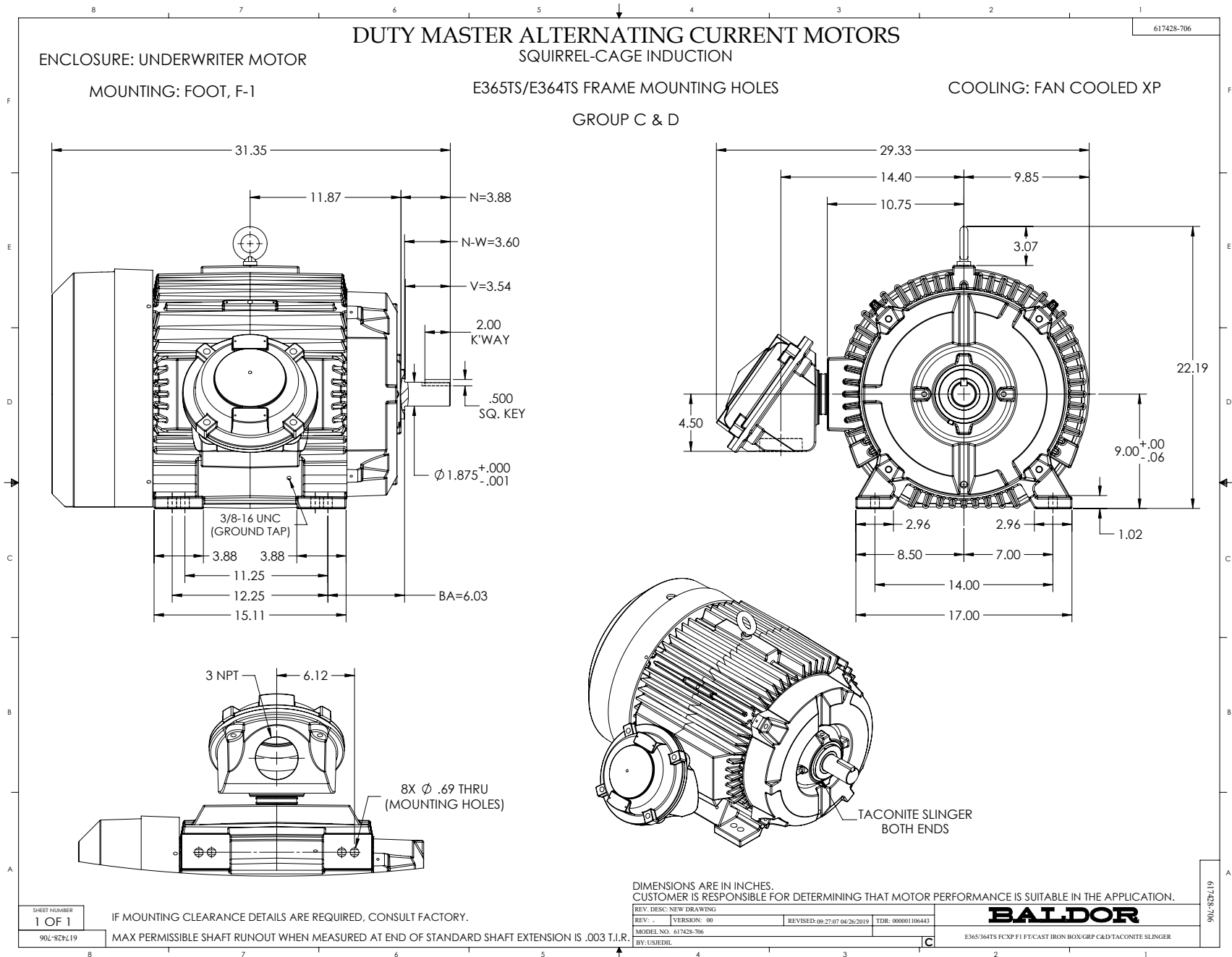


DRAWN BY: C.E. JAMISON
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DATE: 08/17/17

AC MOTOR
PERFORMANCE
DATA

A36WG0026-R004

ISSUE DATE 06/23/26



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

THERMOSTATS	
NORMALLY CLOSED	NORMALLY OPEN
FIGURE 1	FIGURE 4
FIGURE 2	FIGURE 5
FIGURE 3	FIGURE 6
FIGURE 7	FIGURE 8

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: -		

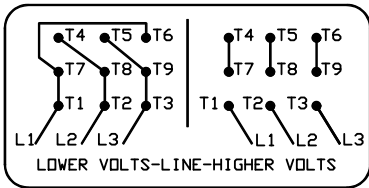
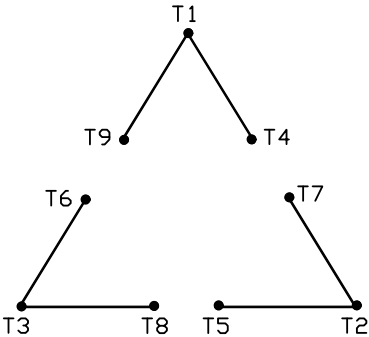
BALDOR

A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

416820-002

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