

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						

Parts List

Part number	Description	Quantity
SA368892	SA A36-5003-0026	1.000 ea
RA358428	RA A36-5003-0026	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000692000JF	CAUTION LABEL TO PREVENT IGNITION	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
000692000FX	UL LISTED LOGO LABEL 2.53 X 0.75 X .018	1.000 ea
000613006PC	N/P U/L (REL QTY 500)	1.000 ea
000901002AAA	N/P BLANK (RELEASE QTY 1,500)	1.000 ea
NP3140L	INVERTER DUTY, SS, CC, CSA-C US, CSA EEV	1.000 ea
609158001B	SLGR - 360	1.000 ea
603284001S	SLGR - 360	1.000 ea
087793060DM	BRKT STD 313 E360 FCXP W/ CL.II GRP E &	1.000 ea
415072001B	CLAMP	1.000 ea
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 ea
415030051AX	BUSH - 360	1.000 ea
078559001A	+FANCV - 360	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
702676001C	FAN 360	1.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018008AK	HHCS 1/4-20X1 PLATED	4.000 ea
032018018CK	HHCS 3/8-16X2-1/4 PLTD.	2.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
604923009R	SLGR - 360	1.000 ea
410700004F	WSHR	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
032130020DB	HSHCS 1/2-13X2-1/2 PLTD.	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	2.000 ea
034530056AC	P/NIP 1/8X7L GALV-365	1.000 ea
032620012HD	HSSS 8-32X3/8 304S.S.	2.000 ea

HW4505A02	BREATHING/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
087793060DM	BRKT STD 313 E360 FCXP W/ CL.II GRP E &	1.000 ea
032018018CK	HHCS 3/8-16X2-1/4 PLTD.	2.000 ea
604923009R	SLGR - 360	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	2.000 ea
032620012HD	HSSS 8-32X3/8 304S.S.	2.000 ea
034530020AB	P/NIP 1/8X2-1/2 PLTED	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415030051AX	BUSH - 360	1.000 ea
032130020DB	HHCS 1/2-13X2-1/2 PLTD.	4.000 ea
073646000E	C/B 320 WA073646000 KB	1.000 ea
064069000A	C/BC320/360 X 064069000B	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
032018014DK	HHCS 1/2-13X1-3/4 PLTD	4.000 ea
063916001DE	+P/NIP 3X2-5/8 DIMPL-360	1.000 ea
034017016AB	LCKW 1/2" PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
415000103A	T/LUG #14AWG-#4AWG W/HOLE FOR .250 BOLT	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018004AM	HHCS 1/4-20X1/2PLTD GREN	1.000 ea
034036012AB	CKW EXTERNAL TOOTH 1/4"	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025G05	WILKOFAS, 789.227, MED. GRAY CHAR. MET.	0.250 ga
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 ea
034180016GA	KEY 1/2X1/2X2 L	1.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 ea
032509020C	CARRIAGE BOLT - 360	3.000 ea

ABB BALDOR RELIANCE III S/O	CUSTOMER INFORMATION PACKET					
	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: C.E. JAMISON CHECKED BY: W.L. SMITH APPROVED BY: C.E. JAMISON DATE: 08/17/17		AC MOTOR PERFORMANCE DATA		A36WG0026-R004 DATE ISSUED 06/23/26

FRAME 365TSC

VOLTS 230/460

NEMA DESIGN B

ROTOR 418141005TE

HP 75

AMPS 164/81.8

CODE LETTER F

TEST S.O. TYPICAL DATA

TYPE P

DUTY CONT

ENCLOSURE TEFC

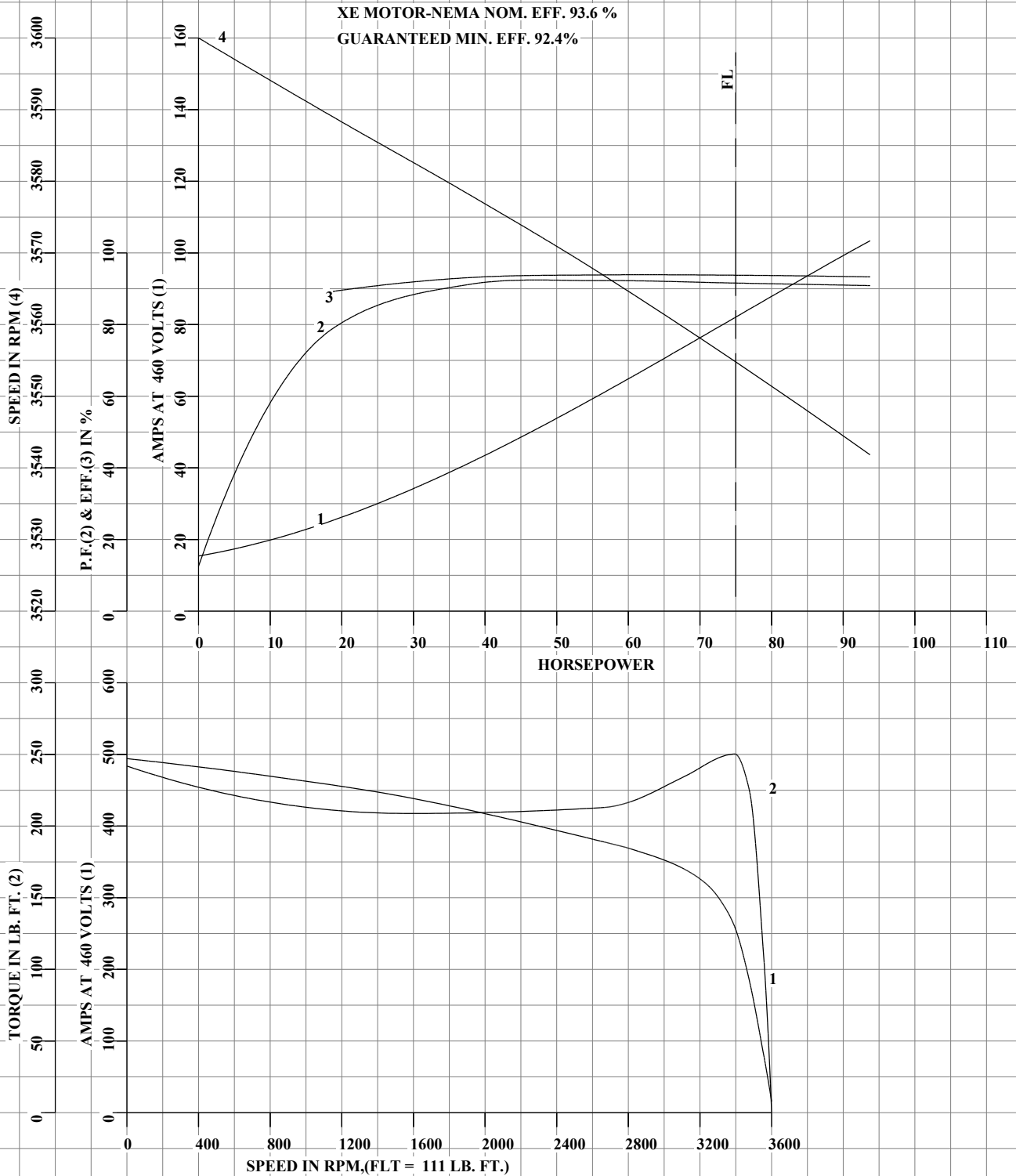
TEST DATE ---

PHASE / HERTZ 3/60

AMB °C / INSUL 40/F

E/S 892019

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

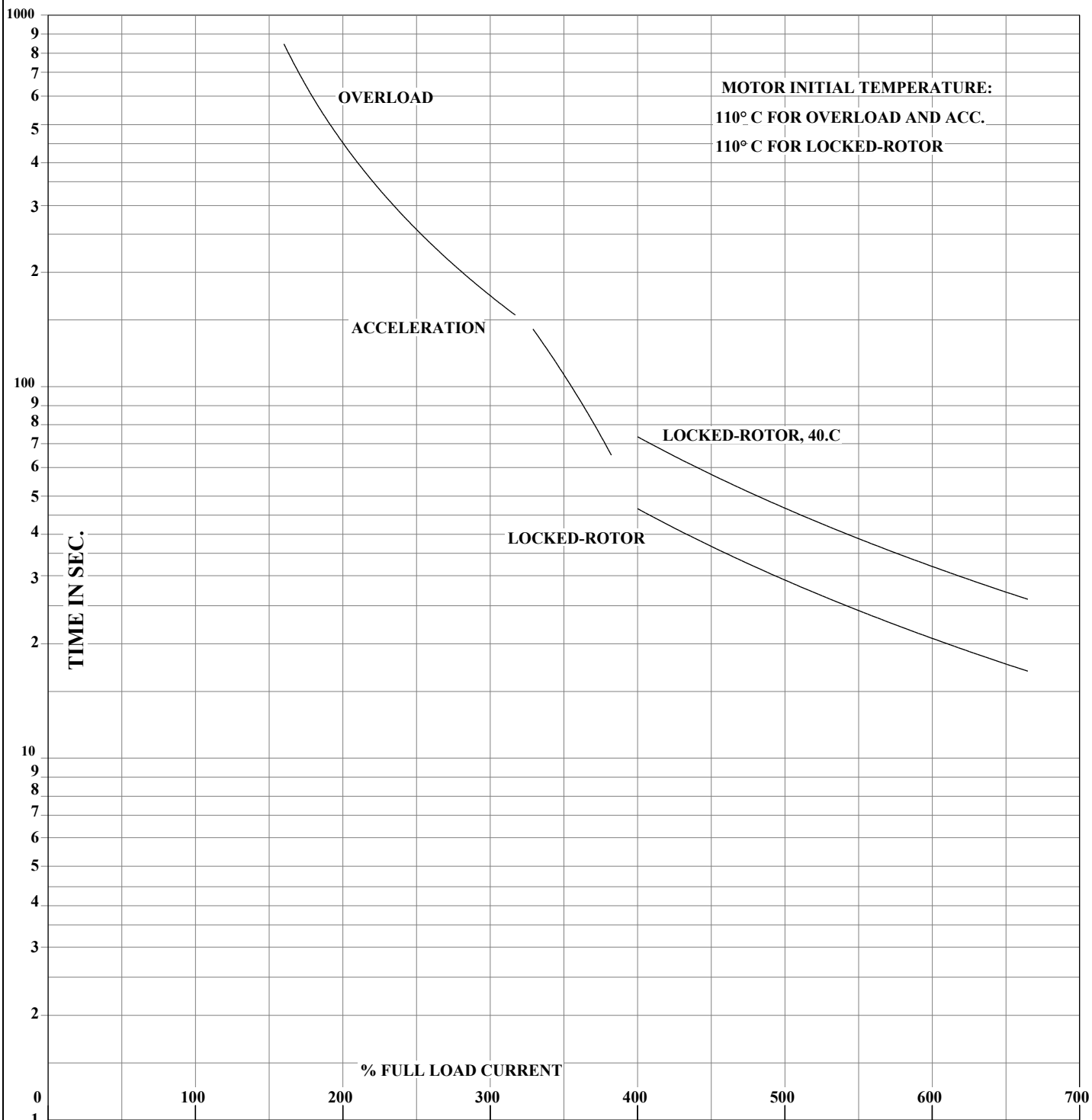
ENCLOSURE TEFC

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.

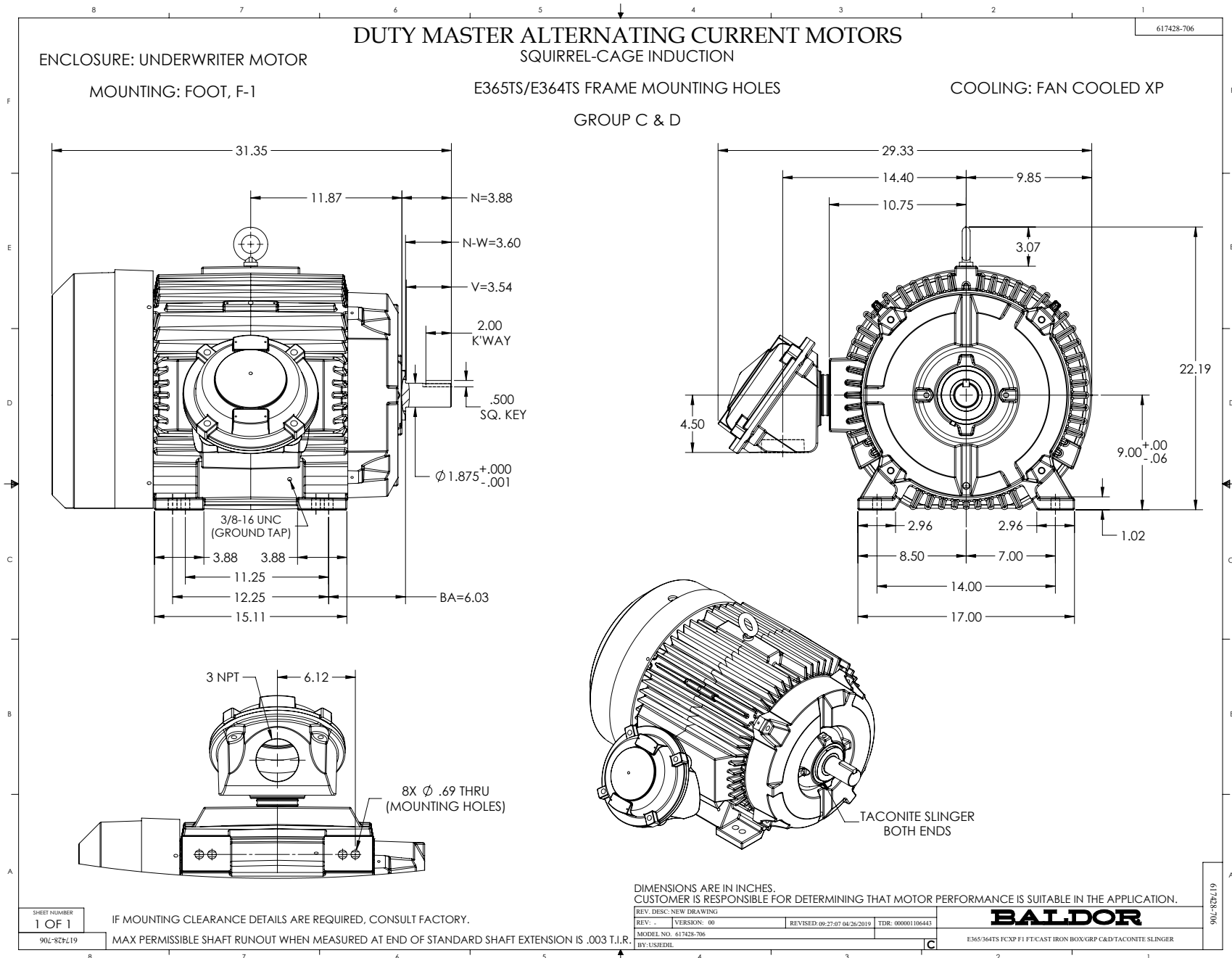


DRAWN BY: C.E. JAMISON
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APPROVED BY: C.E. JAMISON
DATE: 08/17/17

AC MOTOR
PERFORMANCE
DATA

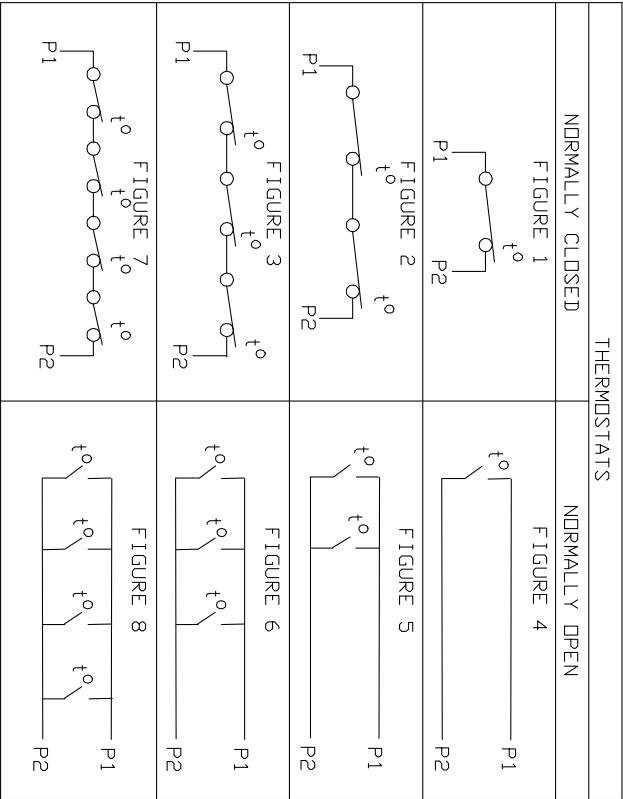
A36WG0026-R004

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



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: -		

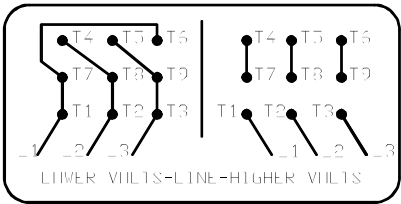
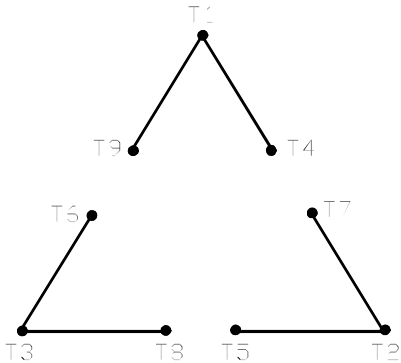
BALDOR

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)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002