

ABB BALDOR RELIANCE III

Customer information packet

JMEWDM4310T

60HP, 3560RPM, 3PH, 60HZ, 364TCZ, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364TCZ
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	60.000 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	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	132.000 A @ 230.0 V 66.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	66.1 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1558
Layout	617436-346
Eff. date	10-01-2021
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	10-01-2019

Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	33.11 IN
Power Factor	91
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	1.249 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A36-7819-1558			CAT.NO.	JMEWDM4310T					FRAME	364TCZ	
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3560	AMPS	132/66.1		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03JGG30A		DUTY	CONT	INSUL.CLASS		F					
OPP D.E. BEARING	65BC03JGG30A		ENCL	TEFC	CODE	G						
SER.NO.			POWER FACTOR		91	NEMA-NOM-EFFICIENCY					93.6	
						MAX CORR KVAR		5	GUARANTEED EFFICIENCY			92.4
	IP55					NEMA NOM/CSA QUOTED EFF						
	10:1CT AND 10:1VT ON VPWM INVE					RTER, 1.00SF			MOTOR WEIGHT			901

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	3560	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
132/66.1	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491281	418141005XE	---	---	.0254/.101		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.0	3600	13.0	0	
1/4	15.0	21.3	3590	74.9	87.8	
2/4	30.0	34.5	3580	88.3	92.4	
3/4	45.0	49.7	3569	90.8	93.5	
4/4	60.0	66.1	3558	90.8	93.6	
5/4	75.0	83.0	3546	90.7	93.3	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	203	180	435	
PULL UP		1565	175	155	355	
BREAKDOWN		3397	231	205	212	
FULL LOAD		3558	100	88.6	66.1	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 93.6 % GUARANTEED MIN. EFF. 92.4%						
		DR. BY W. L. SMITH		A-C MOTOR PERFORMANCE DATA A36WG1558-R007 ISSUE DATE 08/30/19		
		CK. BY G. R. WEBB				
		APP. BY E. J. CHRISTIAN				
		DATE 03/11/02				
Page 6 of 6						

REL S.O.

RPM 3560

S.F. 1.15

ROTOR 418141005XE

FRAME 364TS

VOLTS 230/460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 60

AMPS 132/66.1

CODE LETTER G

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE TEFC

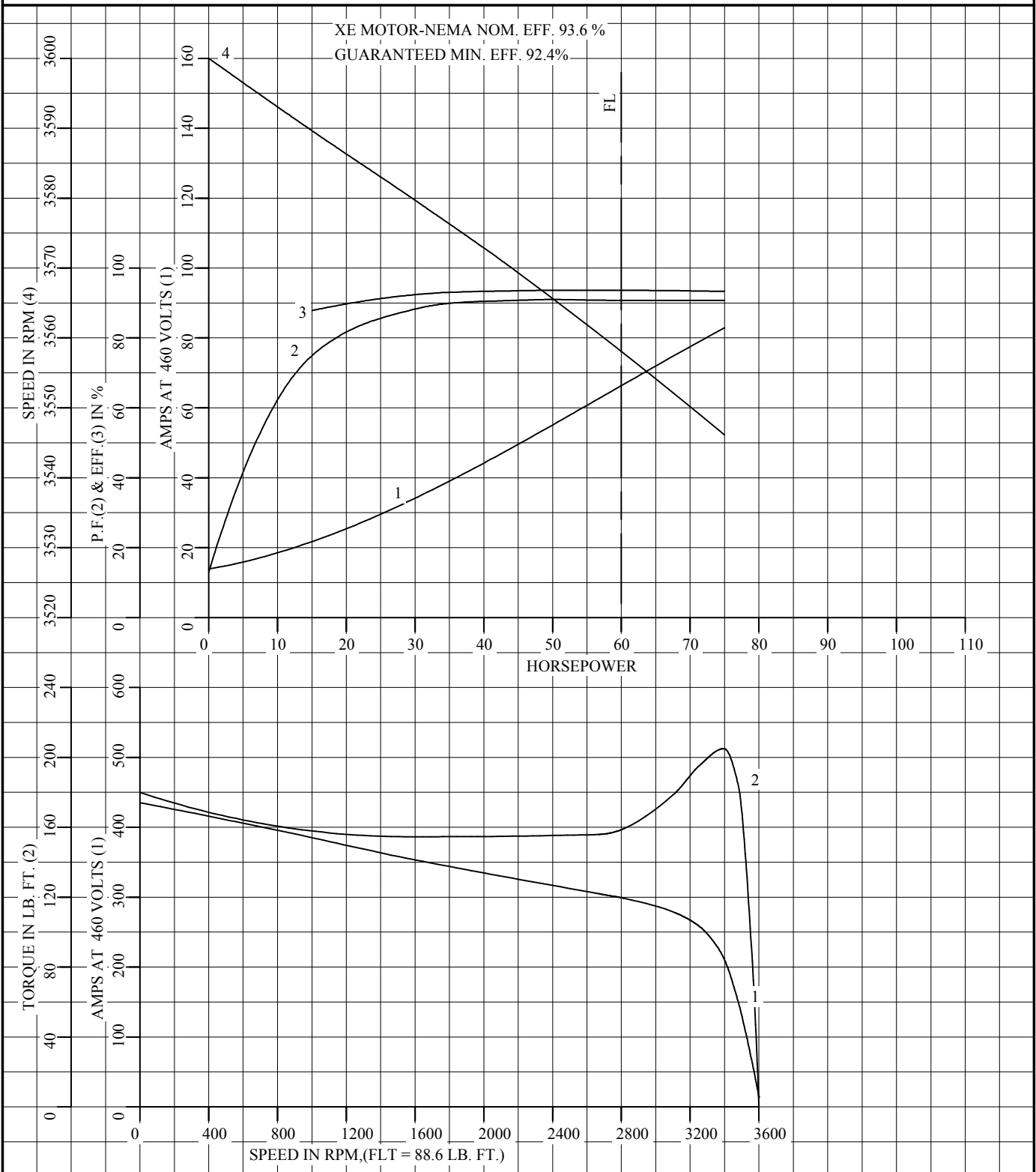
STATOR RES. @ 25 °C .0254/.101

PHASE/HERTZ 3/60

AMB °C/INSUL 40/F

E/S 491281

OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 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 W. L. SMITH
CK. BY G. R. WEBB
APP. BY E. J. CHRISTIAN
DATE 03/11/02

**A-C MOTOR
PERFORMANCE
CURVES**

A36WG1558-R007

ISSUE DATE 08/30/19

Page 7 of 10

REL. S.O.

FRAME 364TS

HP 60

TYPE P

PHASE/HERTZ 3/60

RPM 3560

VOLTS 230/460

AMPS 132/66.1

DUTY CONT

AMB °C/INSUL 40/F

S.F. 1.15

NEMA DESIGN B

CODE LETTER G

ENCLOSURE TEFC

E/S 491281

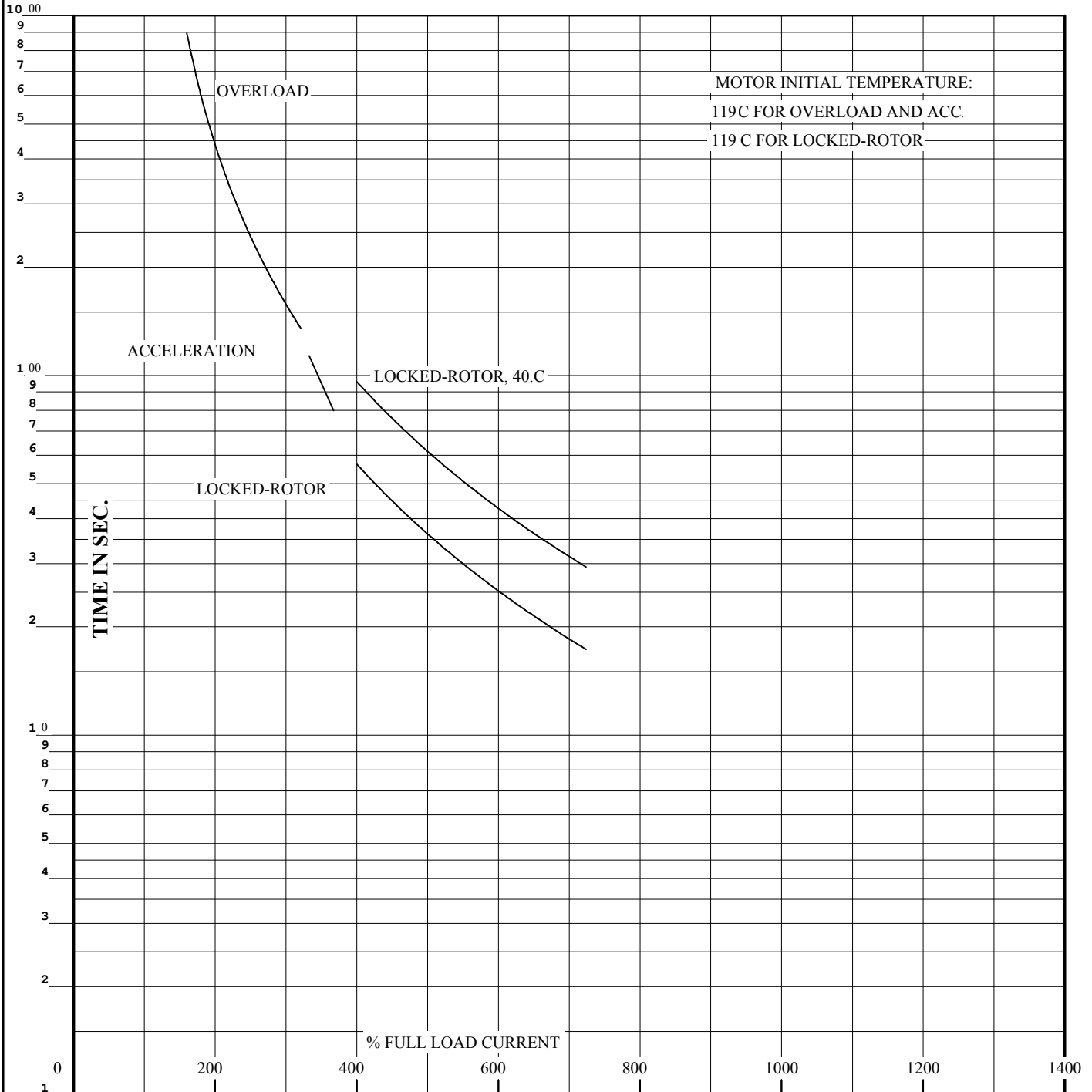
ROTOR 418141005XE

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25 °C .0254/.101

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

XE MOTOR-NEMA NOM. EFF. 93.6 %

GUARANTEED MIN. EFF. 92.4%

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


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**A-C MOTOR
PERFORMANCE
CURVES**

A36WG1558-R007

ISSUE DATE 08/30/19 Page 8 of 10

DUTY MASTER ALTERNATING CURRENT MOTORS SQUIRREL-CAGE INDUCTION

617436-346

ENCLOSURE: TOTALLY ENCLOSED

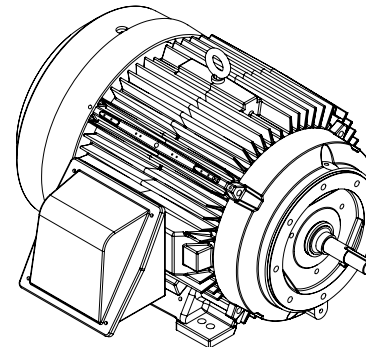
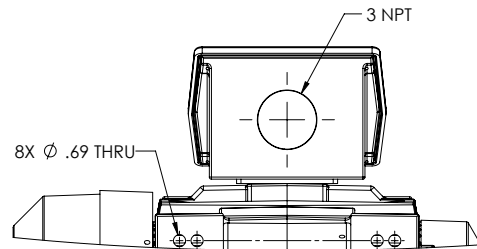
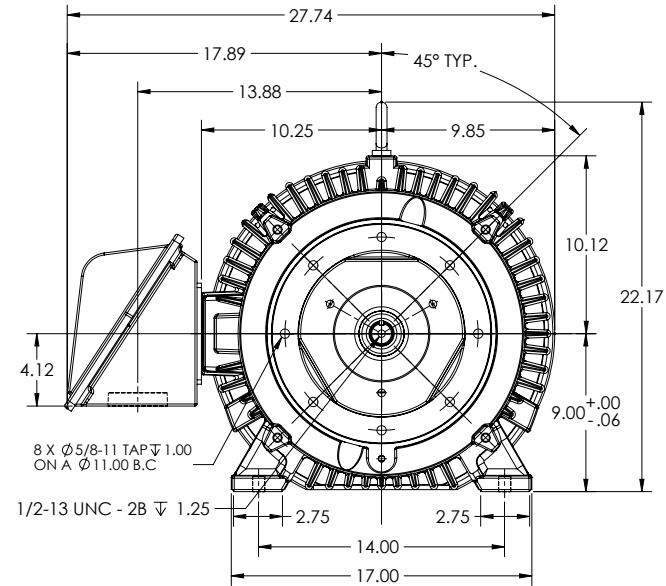
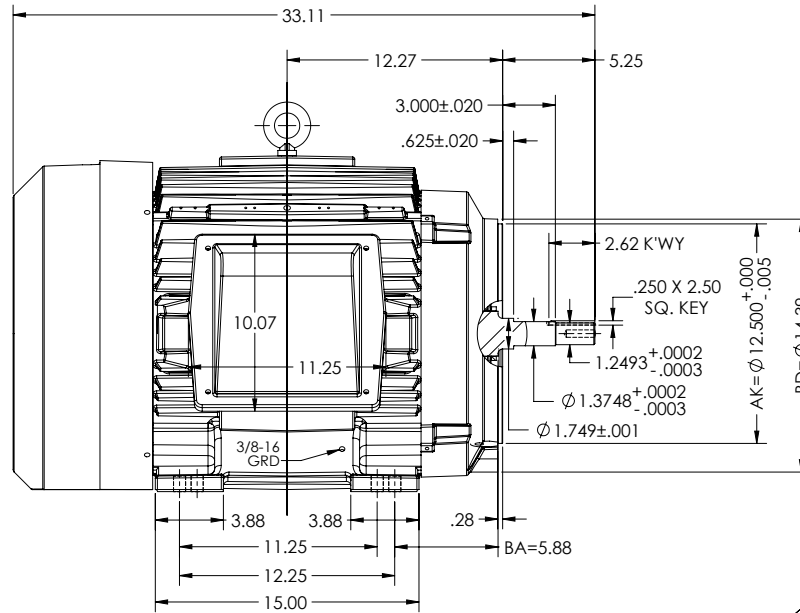
FRAME 365TCZ
INCLUDES 364TCZ FRAME MOUNTING HOLES

COOLING: FAN COOLED

MOUNTING: FOOT, C-FACE, F-1 SIDE

326JM D.E. SHAFT EXT. PER 14LYP021

ENCLOSURE ENHANCEMENT: SEVERE DUTY



FACE RUNOUT & ECCENTRICITY .007 MAX T.I.R

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .003" T.I.R.

DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW LAYOUT	VERSION: 00	REVISED: 09-14-39 09/30/2019	TDR: 000001121139
MODEL NO. 617436-346	BY: USTBEE		

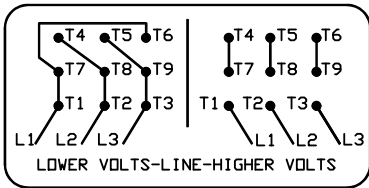
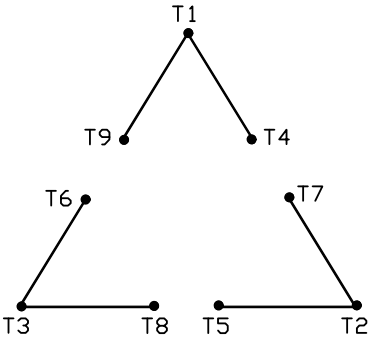
BALDOR

E365TCZ TEFC FT - F1 - SHAFT 326JM PER 14LYP021

617436-346

416820-002

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



(N. P. 1575-B)

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

416820-002