ABB BALDOR RELIANCE

Customer information packet

CDRX36464T

40HP, 1190RPM, 3PH, 60HZ, 364TC, TEFC, F1
Class - CLI GP C,D
Division - Division I

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Specifications

Enclosure	TEFC
Frame	364TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI 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	611742-780
Eff. date	06-18-2019
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	05-30-2019

IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	3000 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.45 IN
Power Factor	80
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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.	A36-7818-1194			**CAT.NO.**	CDRX36464T				**FRAME**	364TC	
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**	3000			
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						

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

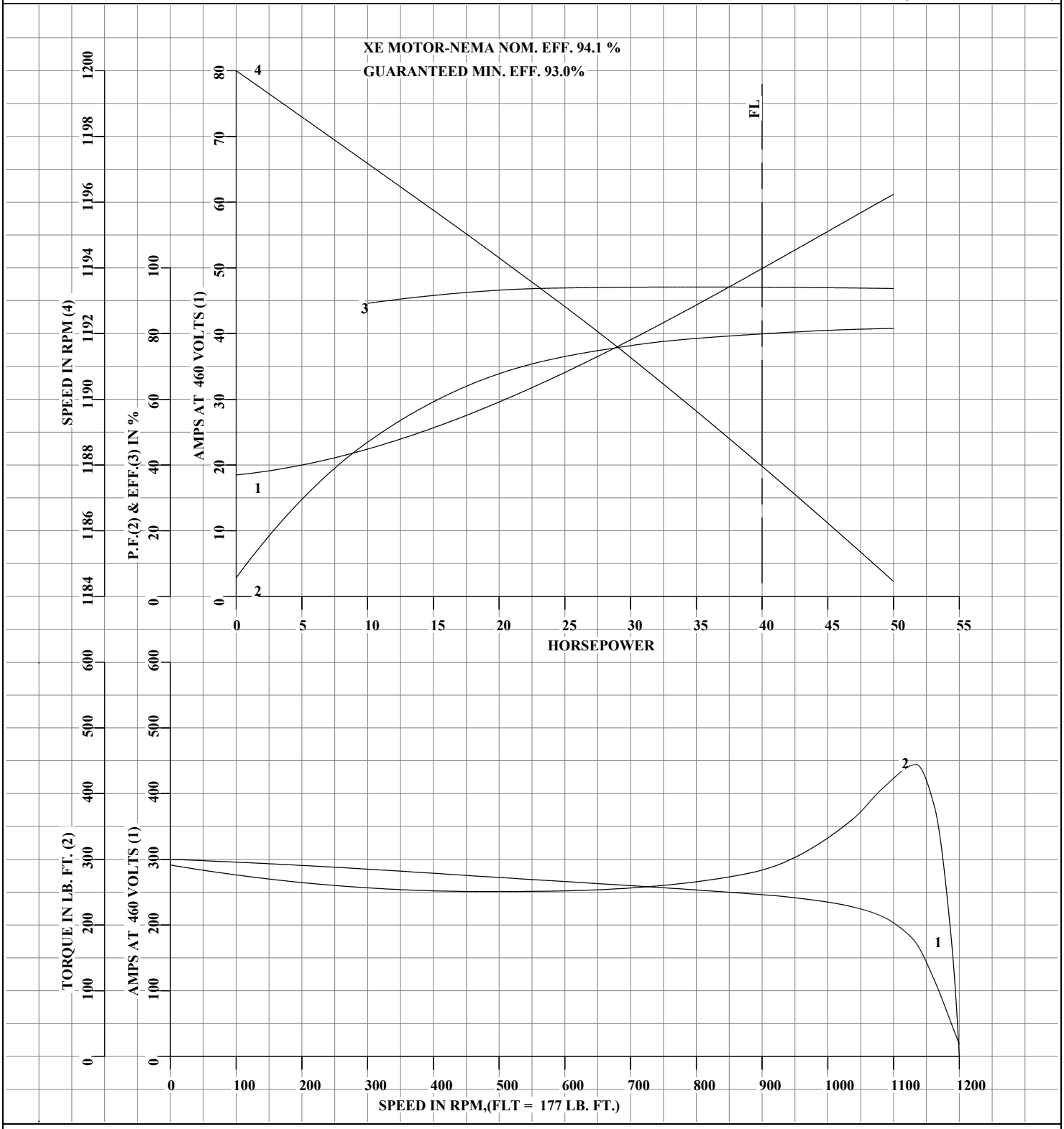
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	165	291	300
PULL UP	480	142	251	274
BREAKDOWN	1134	251	444	172
FULL LOAD	1188	100	177	49.8

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%

ABB	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 DATE ISSUED 01/24/25

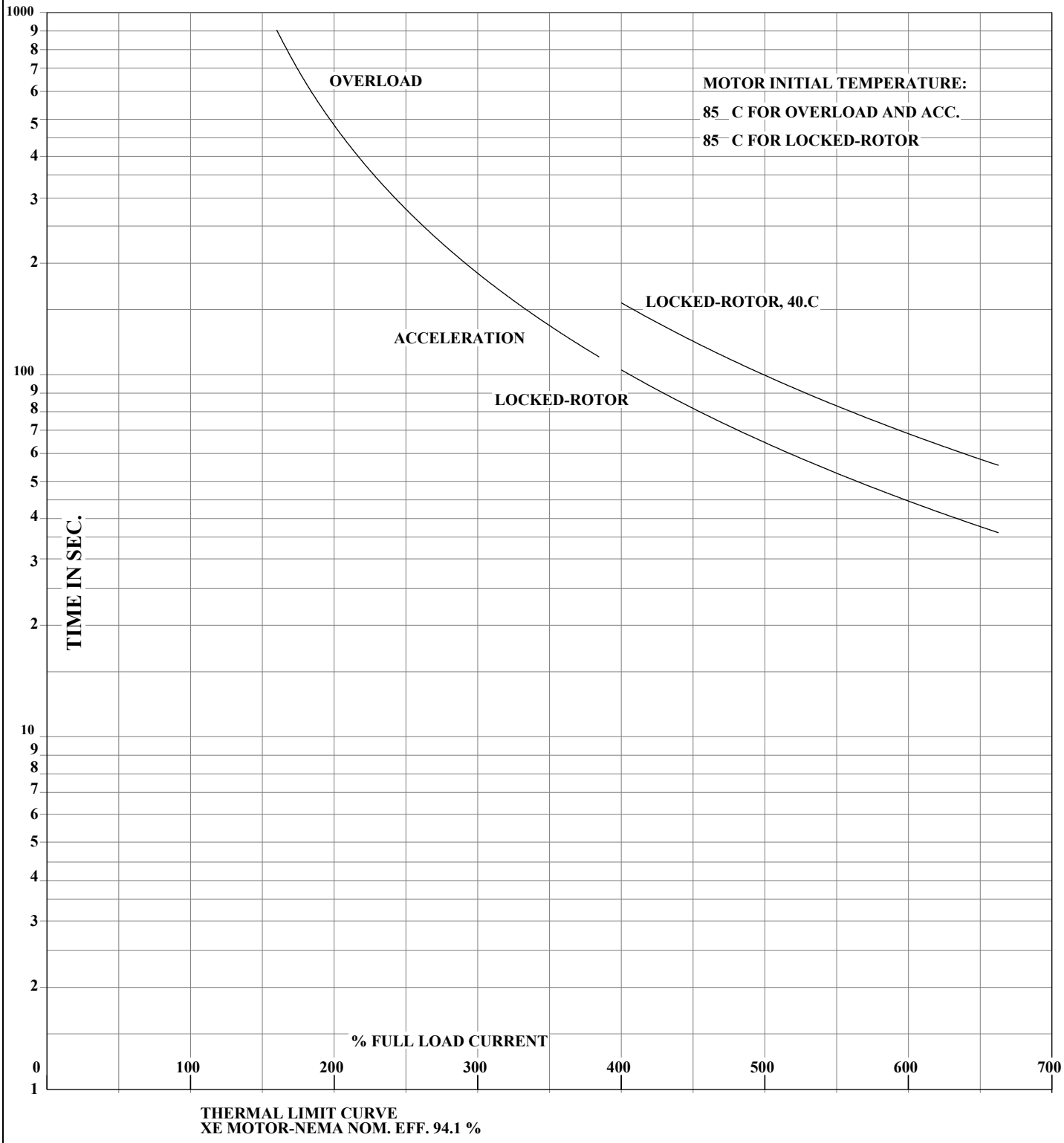
FRAME 364T	RPM 1190	S.F. 1.00	ROTOR 418141088JE
HP 40	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 99.6/49.8	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0373/.149
	AMB °C / INSUL 40/F	E/S 491378	OHMS (BETWEEN LINES)



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

ABB	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.

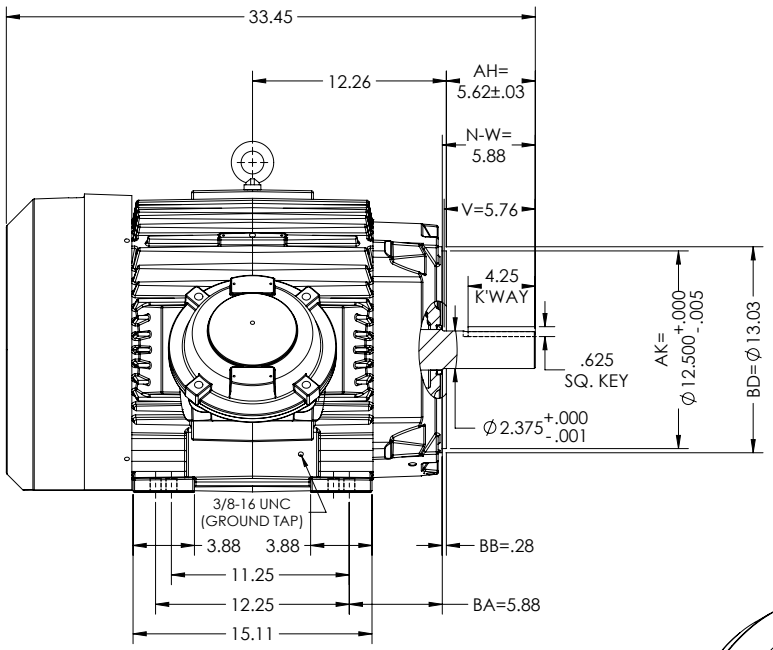
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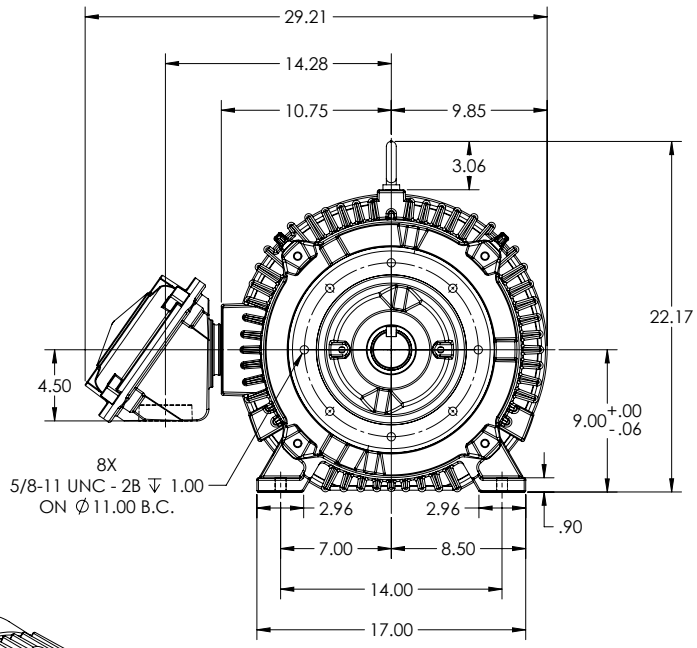
DUTY MASTER ALTERNATING CURRENT MOTORS

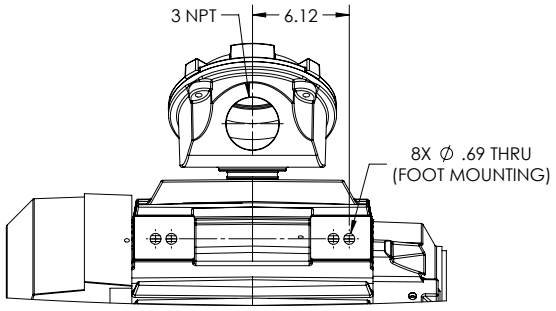
611742-780

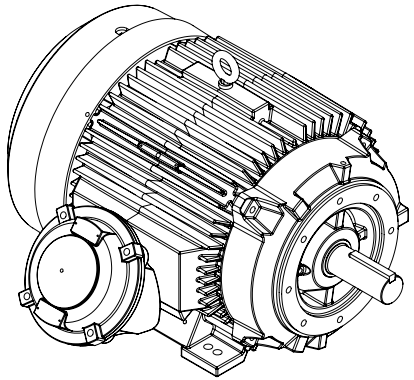
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | UNDERWRITER MOTOR

MOUNTING: FOOT, F-1 | E365TC/E364TC FRAME MOUNTING HOLES | COOLING: FAN COOLED EXPLOSION PROOF









DIMENSIONS ARE IN INCHES.
MOTOR WEIGHT (LBS)= 944±15% DEPENDING RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 1 OF 1

611742-780

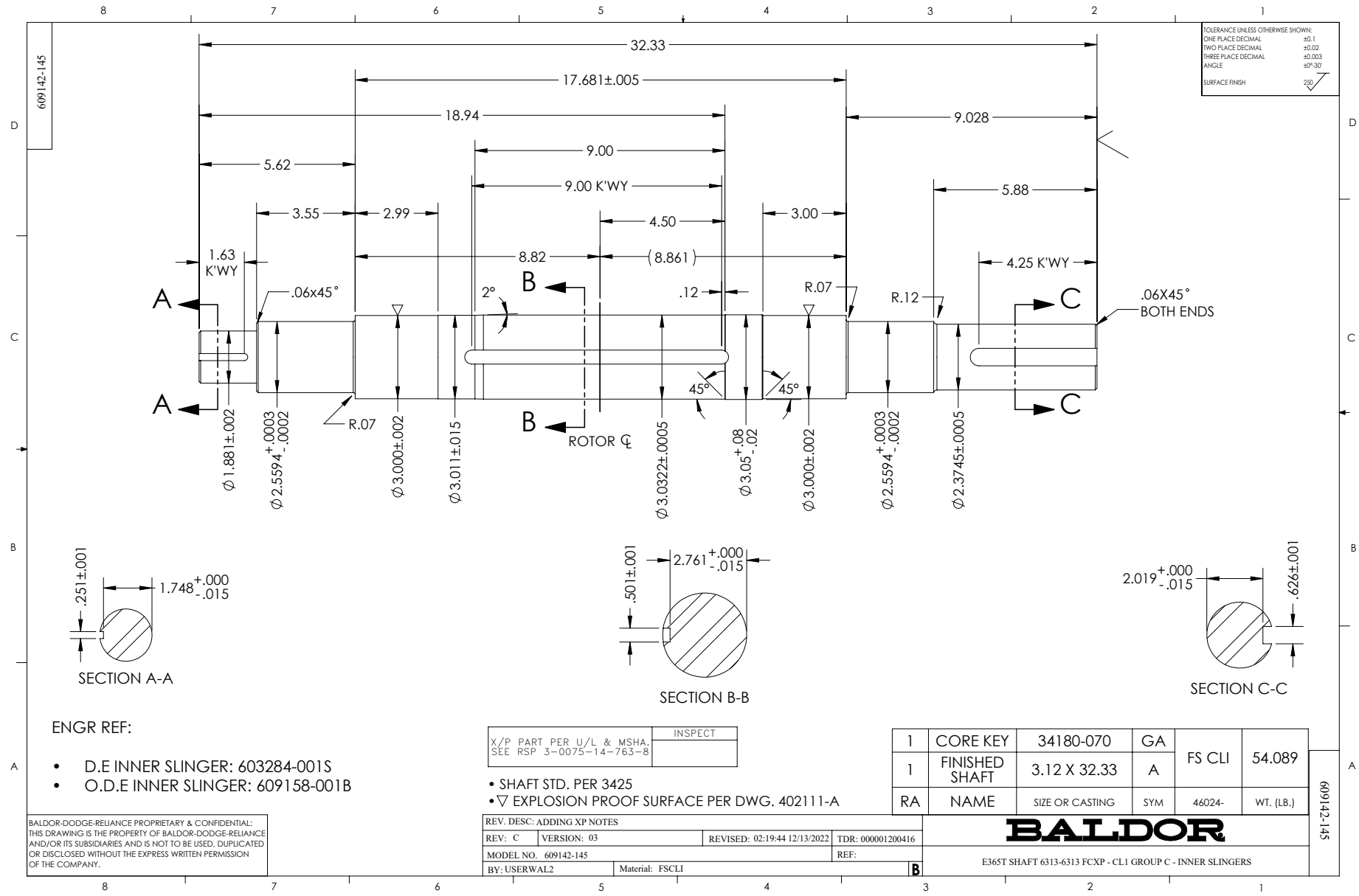
FACE RUNOUT & ECCENTRICITY = .007 MAX. T.I.R.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

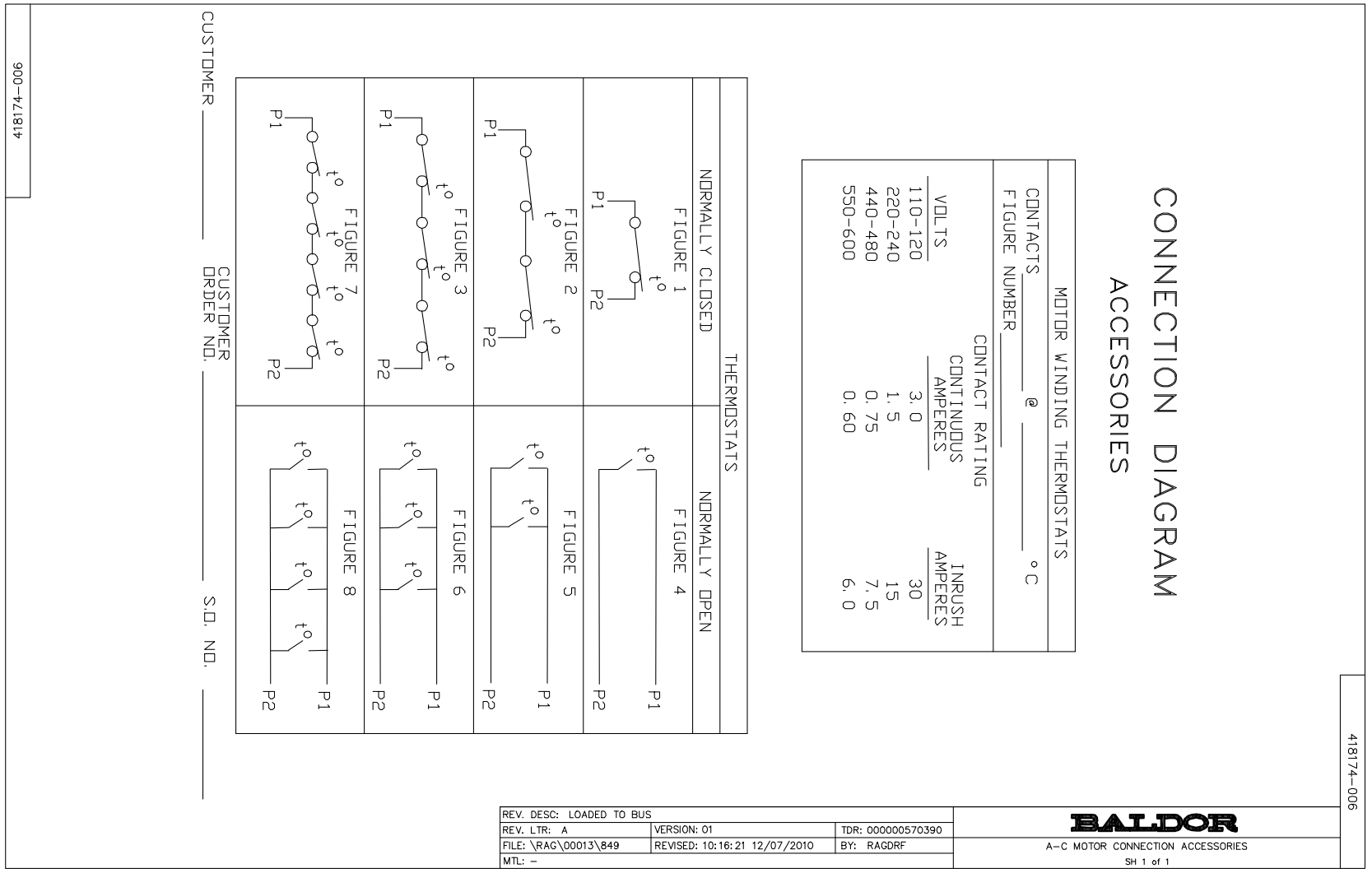
REV. DESC: NEW DRAWING			
REV: -	VERSION: 00	REVISED: 02:26:38 05/21/2019	TDR: 000001109209
MODEL NO. 611742-780			
BY: USJEDIL			C

BALDOR

E365/364TC FCXP F1 FOOT CAST IRON BOX/GROUP C & D/GROUND TAP

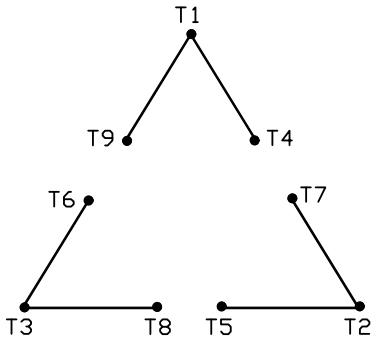
611742-780

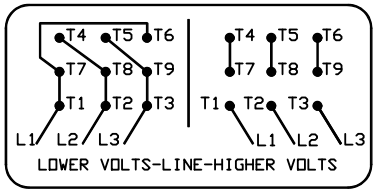

609142-145
TOLERANCE UNLESS OTHERWISE SHOWN:
ONE PLACE DECIMAL ±0.1
TWO PLACE DECIMAL ±0.02
THREE PLACE DECIMAL ±0.003
ANGLE ±0°-30'
SURFACE FINISH 250
32.33
17.681±.005
18.94
9.028
9.00
5.62
9.00 K'WY
5.88
3.55
2.99
4.50
3.00
1.63 K'WY
8.82
(8.861)
4.25 K'WY
.06x45°
2°
.12
R.07
R.12
.06X45° BOTH ENDS
45°
45°
R.07
ROTOR ℄
Ø1.881±.002
Ø2.5594 +.0003 -.0002
Ø3.000±.002
Ø3.011±.015
Ø3.0322±.0005
Ø3.05 +.08 -.02
Ø3.000±.002
Ø2.5594 +.0003 -.0002
Ø2.3745±.0005
.251±.001
1.748 +.000 -.015
SECTION A-A
.501±.001
2.761 +.000 -.015
SECTION B-B
2.019 +.000 -.015
.626±.001
SECTION C-C
ENGR REF:
• D.E INNER SLINGER: 603284-001S
• O.D.E INNER SLINGER: 609158-001B
X/P PART PER U/L & MSHA. SEE RSP 3-0075-14-763-8
INSPECT
• SHAFT STD. PER 3425
• ▽ EXPLOSION PROOF SURFACE PER DWG. 402111-A
1 CORE KEY 34180-070 GA FS CLI 54.089
1 FINISHED SHAFT 3.12 X 32.33 A
RA NAME SIZE OR CASTING SYM 46024- WT. (LB.)
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REV. DESC: ADDING XP NOTES
REV: C VERSION: 03 REVISED: 02:19:44 12/13/2022 TDR: 000001200416
MODEL NO. 609142-145 REF:
BY: USERWAL2 Material: FSCLI B
BALDOR
E365T SHAFT 6313-6313 FCXP - CL1 GROUP C - INNER SLINGERS
609142-145


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 2
FIGURE 3
FIGURE 4
FIGURE 5
FIGURE 6
FIGURE 7
FIGURE 8
P1
P2
CUSTOMER _____
CUSTOMER ORDER NO. _____
S.O. NO. _____
418174-006
418174-006
BALDOR
A-C MOTOR CONNECTION ACCESSORIES
SH 1 of 1
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)

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: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002