ABB BALDOR RELIANCE

Customer information packet

CSPM4310TS

60HP, 3555RPM, 3PH, 60HZ, 364TSC, A36056M, TEF
Class - CLI GP A,B,C,D; CLII GP F,G
Division - Division II

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Specifications

Enclosure	TEFC
Frame	364TSC
Frame Material	Cast Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
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	CCSAUSEEV
	CURUSEEV
	NEMA_PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	131.000 A @ 230.0 V
	145.000 A @ 208.0 V
	65.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	65.4 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0224
Layout	617438-610
Eff. date	05-28-2025
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	12-10-2024

Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.36 IN
Power Factor	91
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
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	None

Nameplate

NP2496L
MOBILE POLYREX EM

NP4562L																				
CAT NO	CSPM4310TS		**SPEC NO.**	A36-0004-0224		**I.P.**	55													
HP	60	**AMPS**	131/65.4		**VOLTS**	230/460		**DESIGN**	B											
FRAME SIZE	364TSC	**RPM**	3555		**MAX RPM**	4200	**HZ**	60	**AMB**	40	**C**									
D.E. BRG.	65BC03J30X		**PH.3**	3	**DUTY**	CONT			**INSUL.CLASS**	F										
O.D.E. BRG.	65BC03J30X			**TYPE P**	P	**ENCL**	TEFC	**SF**	1.15	**CODE**	G									
POWER FACTOR	91		**MAX CORR KVAR**	5			**NEMA NOM EFFICIENCY**	94.5			**MOTOR WEIGHT**		**LBS**							
CL.I,DIV 2,GRP:	**A,B,C,D**	**T.CODE**	T3			**CL.1,ZONE 2,GRP:**			**IIA,IIB,IIC**	**T=**	200	**C**	**INVERTER T.CODE**	T3						
CL.II,DIV 2,GRP:	**F,G**	**T.CODE**	T3C			**CL II ZONE 22 GRPS IIIB**				**T=**	160	**C**	**INVERTER T.CODE**	T3						
ID LOGO	**INV TYPE:**	**VPWM**	**CT**	15	**TO**	60	**VT**	3	**TO**	60	**CHP**	60	**TO**	70						
ID LOGO	**1.0 SF VPWM**	**WK2**			**LBFT2**		**SL HZ**	0.75	**MAG CUR**	28.2/14.1										
SER.NO.					**MEETS INTENT OF IEEE-45**				**FOR WEATHER PROTECTION**											

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364	60	P	3/60	3555	230/460

AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
131/65.4	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	14.1	3600	7.60	0
1/4	15.0	20.9	3589	73.2	92.1
2/4	30.0	33.6	3579	88.4	94.7
3/4	45.0	48.8	3567	90.8	95.0
4/4	60.0	65.4	3555	90.7	94.6
5/4	75.0	82.7	3542	90.4	94.0

SPEED TORQUE

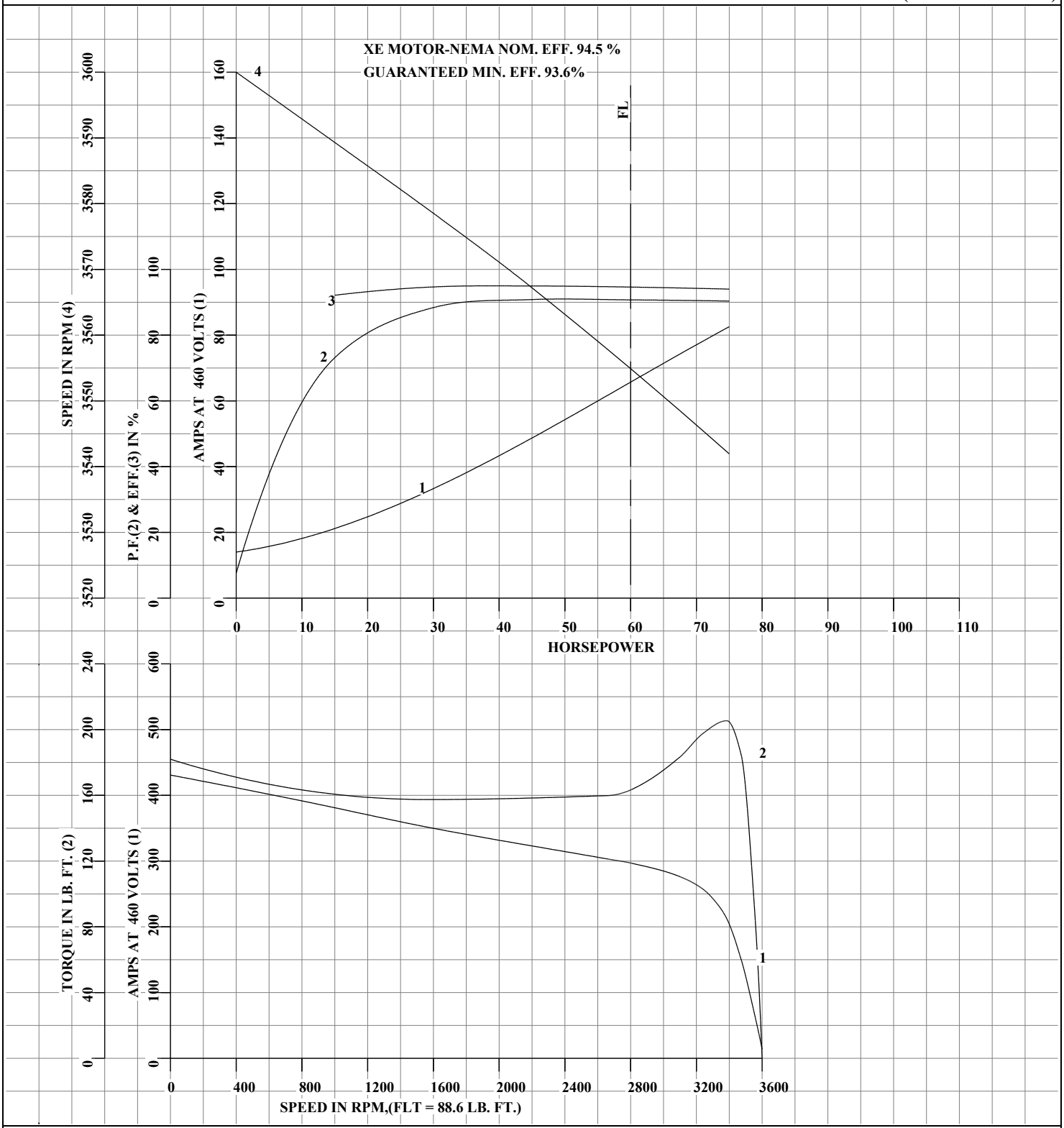
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	205	182	431
PULL UP	1565	178	157	352
BREAKDOWN	3386	232	205	212
FULL LOAD	3555	100	88.6	65.4

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. 94.5 %
GUARANTEED MIN. EFF. 93.6%

ABB	DRAWN BY: W. L. SMITH CHECKED BY: G. R. WEBB APPROVED BY: E.J.CHRISTIAN DATE: 03/11/02	AC MOTOR PERFORMANCE DATA	A36WG0224-R004 DATE ISSUED 01/11/22

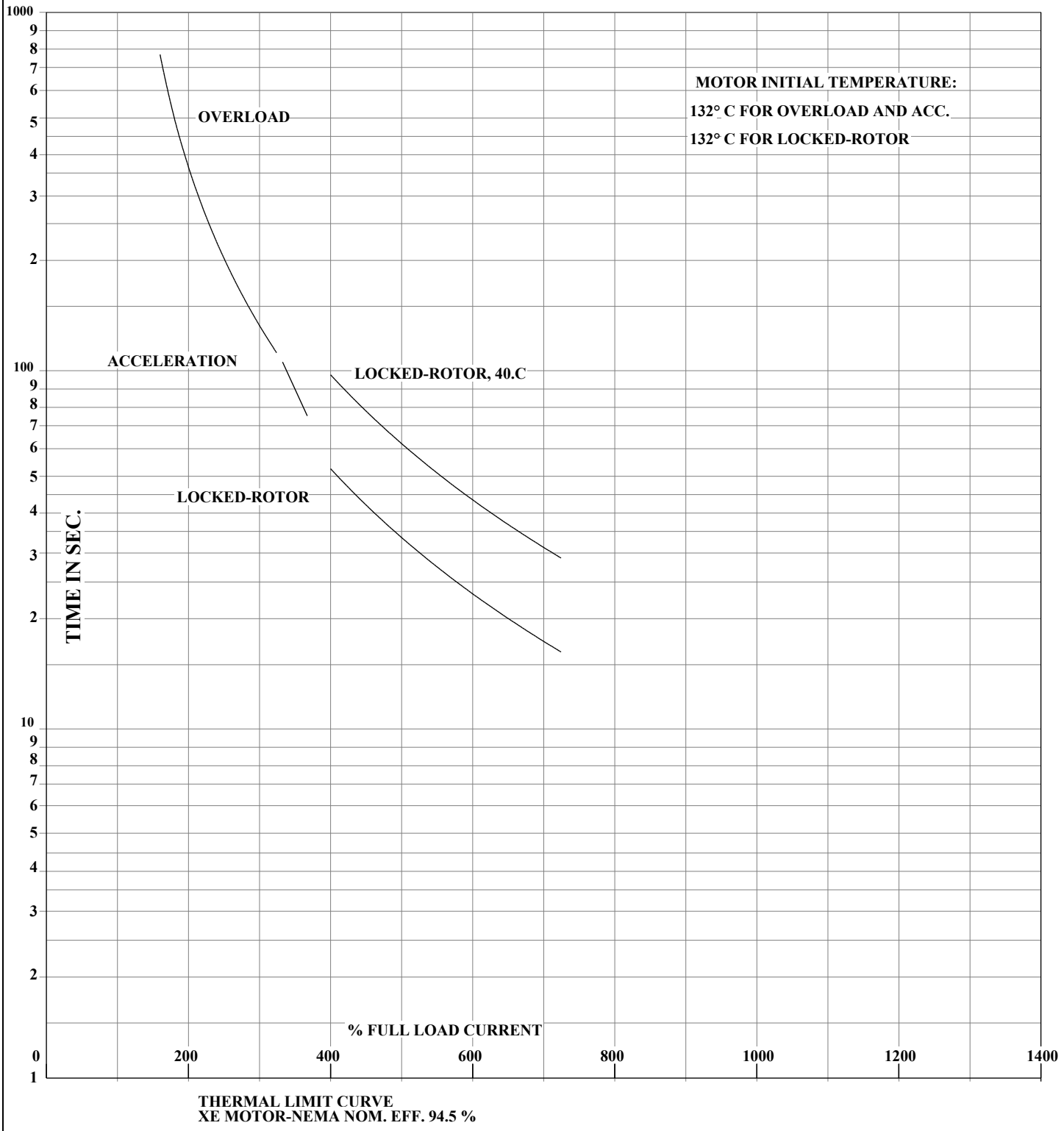
FRAME 364	RPM 3555	S.F. 1.15	ROTOR 418141005XE
HP 60	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 131/65.4	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0254/.101
	AMB °C / INSUL 40/F	E/S 491281	OHMS (BETWEEN LINES)



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: W. L. SMITH CHECKED BY: G. R. WEBB APPROVED BY: E.J.CHRISTIAN DATE: 03/11/02	AC MOTOR PERFORMANCE DATA	A36WG0224-R004 ISSUE DATE 01/11/22

FRAME 364	RPM 3555	S.F. 1.15	ROTOR 418141005XE
HP 60	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 131/65.4	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0254/.101
	AMB °C / INSUL 40/F	E/S 491281	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 94.5 %

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: W. L. SMITH CHECKED BY: G. R. WEBB APPROVED BY: E.J.CHRISTIAN DATE: 03/11/02	AC MOTOR PERFORMANCE DATA	A36WG0224-R004 ISSUE DATE 01/11/22

DUTY MASTER ALTERNATING CURRENT MOTORS

617438-610

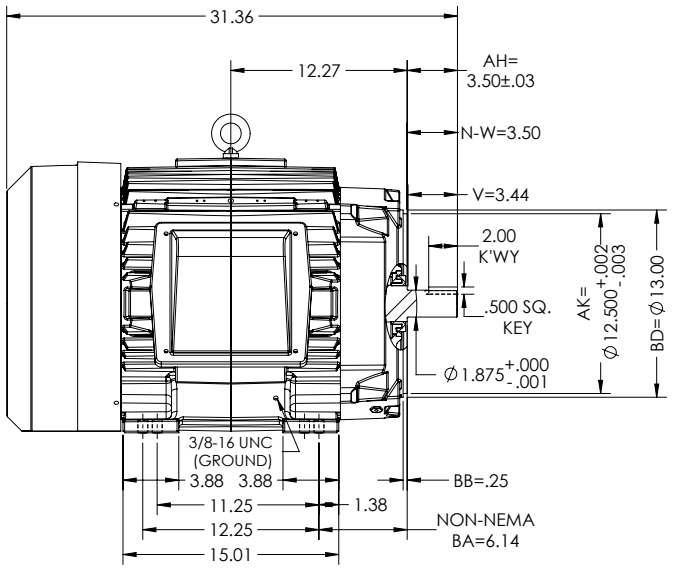
ENCLOSURE: TOTALLY ENCLOSED

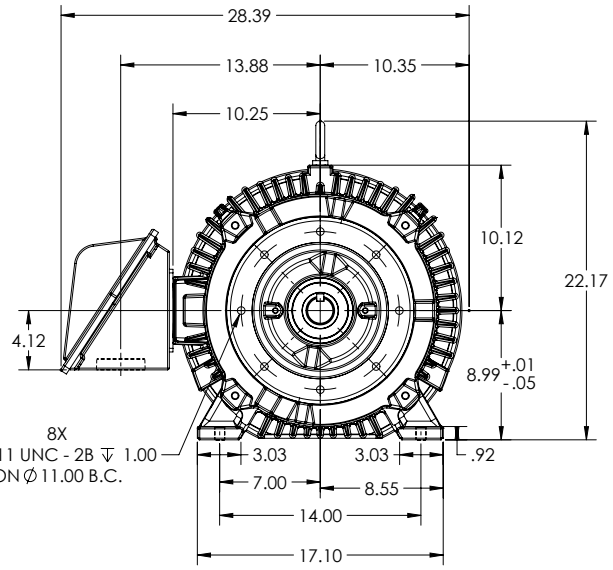
MOUNTING: FOOT, F-1

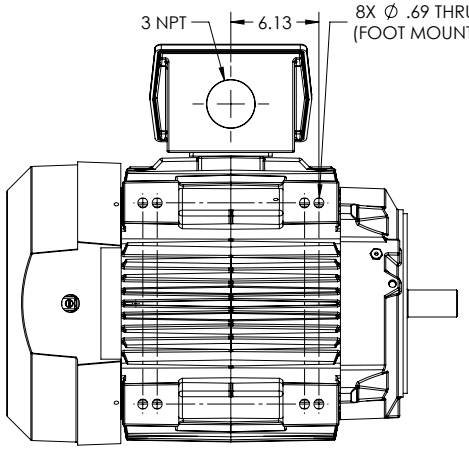
SQUIRREL-CAGE INDUCTION
E364TSC/E365TSC FRAME DESIGN
TACONITE SEALS
DIV.2

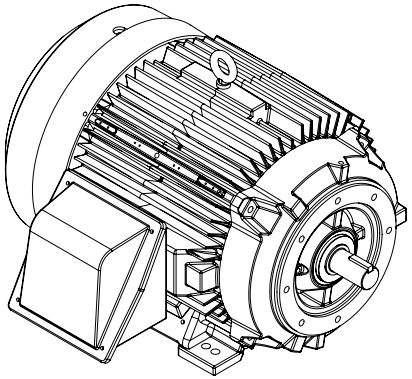
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY









DIMENSIONS ARE IN INCHES.
WEIGHT (LBS.) 845, MAY VARY 15% DEPENDING ON RATING
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
1 OF 1

617438-610

FACE RUNNOUT & ECCENTRICITY IS .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: 01:40:20 12/13/2024	TDR: 000001239215
MODEL NO. 617438-610			
BY: USJEDIL		C	

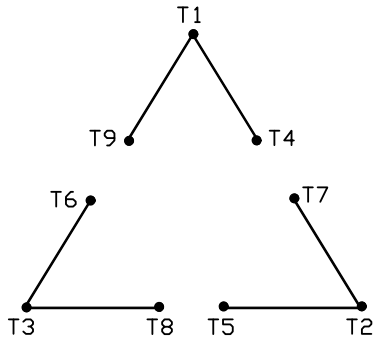
BALDOR

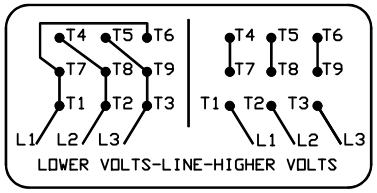
E365/364TSC TEFC FOOT F1/CAST IRON BOX/TACONITE DIV. 2

617438-610

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: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1