ABB BALDOR RELIANCE

Customer information packet

XT3406T

40HP, 1190RPM, 3PH, 60HZ, 364T, A36062M, TEFC
Class - CLI GP A,B,C,D
Division - Division II

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Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
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	UR
	NEMA_PREMIUM
	NEMA PREMIUM
	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
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
Heater Indicator	No Heater
High Voltage Full Load Amps	49.8 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1194
Layout	617431-412
Eff. date	07-08-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	11-11-2020

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.48 IN
Power Factor	80
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 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	None

Nameplate

NP4152LUA

CAT #	XT3406T			**SER**				**CC**	010A								
SPEC	A36-7832-1194			**RATING**	40C AMB-CONT												
HZ	**VOLTS**		**AMPS**		**RPM**	**HP**	**CODE**	**SF**	**DES**	**PF**		**NEMA NOM. EFF**					
60	230/460		99.6/49.8		1190	40	G	1.15	B	80	%	94.1	%				
											%		%				
PH	3	**CL**	F	**MAX RPM**	2700		**MAX CORR KVAR**	12									
BRG	**DE**	6313	**ODE**	6313	**ENCL**	TEFC	**FR**	364T	**IP**	54							
GREASE	POLYREX EM						**MTR WT**		**LBS**								
	CL I DIV 2 GRPS A,B,C,D			**CL I ZONE 2 GRPS**				**IIA,IIB,IIC**		**TEMP T**	180	**C**					
INV READY	**CT**	6-60	**HZ**	10:1	**VT**	0-60	**HZ**	1000:1	**CHP**	60-90	**HZ**	1:1.5					
INV TEMP CL	T3A	**C**	**USABLE AT**	50HZ 30HP 190/380V 91.8/45.9A							1.0SF						

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TC	40	P	3/60	1190	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
99.6/49.8	CONT	40/F	1.15	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 VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 94.1 %
GUARANTEED MIN. EFF. 93.0%

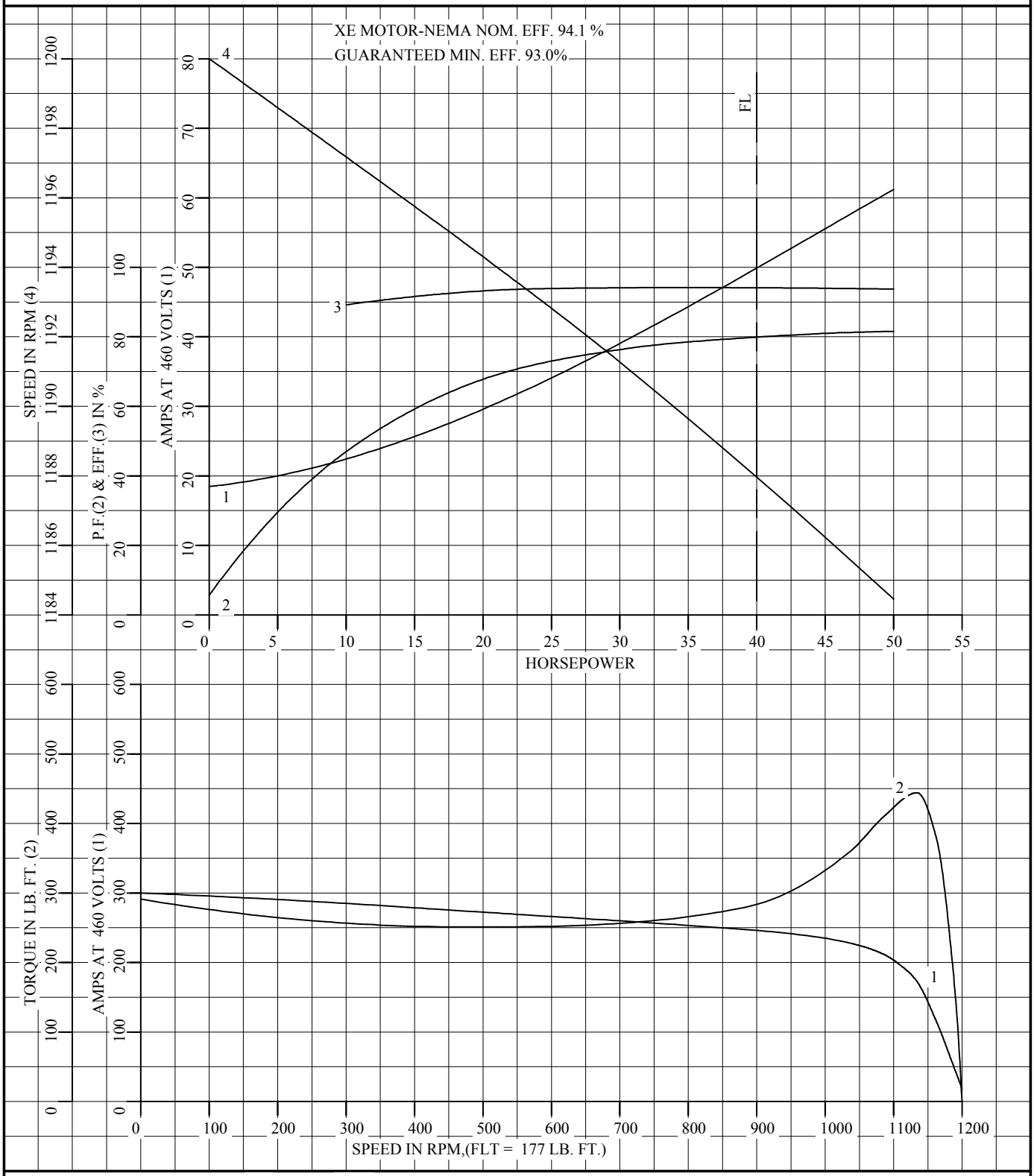
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY T.G. KELATI
CK. BY D. H. MAY
APP. BY E.J.CHRISTIAN
DATE 10/12/06

A-C MOTOR PERFORMANCE DATA A36WG1194-R013
ISSUE DATE 01/13/21

C/R 312091

REL S.O.	RPM 1190	S.F. 1.15	ROTOR 418141088JE
FRAME 364TC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 40	AMPS 99.6/49.8	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .0373/.149
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 491378	OHMS (BETWEEN LINES)



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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DR. BY	T.G. KELATI
CK. BY	D. H. MAY
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DATE	10/12/06

A–C MOTOR PERFORMANCE CURVES

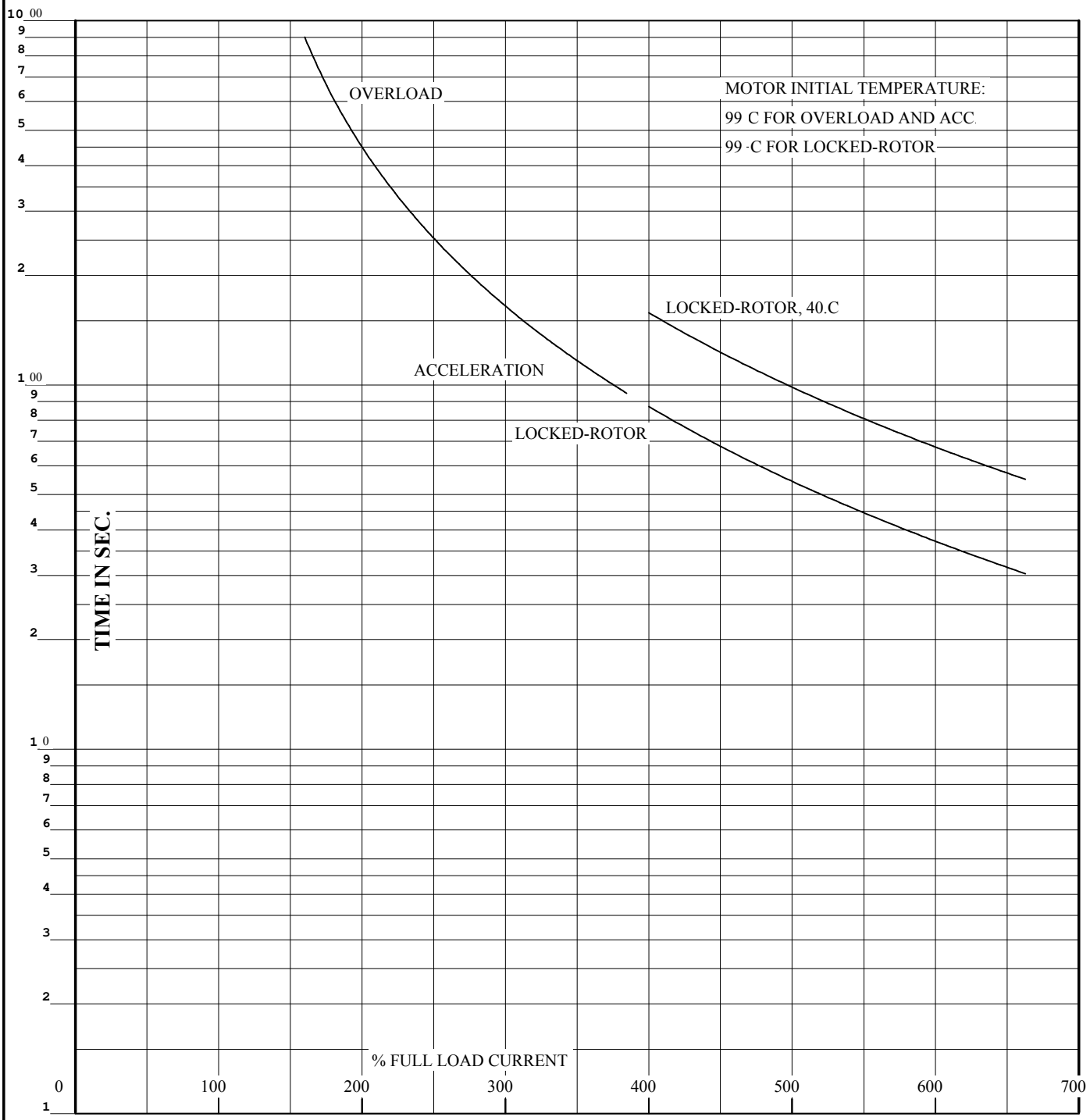
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ISSUE DATE 01/13/21

C/R 312091

Printed on 1/13/21 9:25 @ bengap01.baldor.com

REL. S.O.		RPM	1190	S.F.	1.15	ROTOR	418141088JE
FRAME	364TC	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	40	AMPS	99.6/49.8	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES.@ 25 °C	.0373/.149
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	491378		OHMS (BETWEEN LINES)



REMARKS:

THERMAL LIMIT CURVE

XE MOTOR-NEMA NOM. EFF. 94.1 %

GUARANTEED MIN. EFF. 93.0%

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

A36WG1194-R013

ISSUE DATE 01/13/21

C/R 312091

Printed on 1/13/21 9:25 @ bengap01.bal

617431-412

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

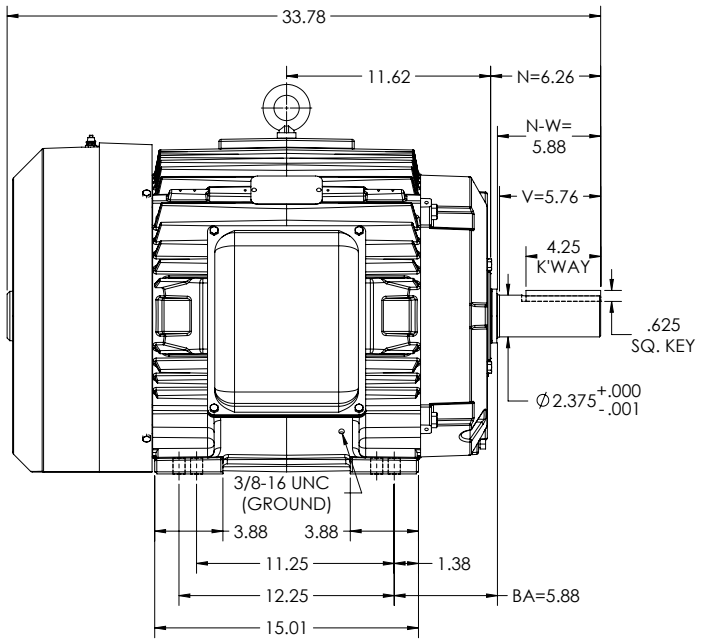
SQUIRREL-CAGE INDUCTION

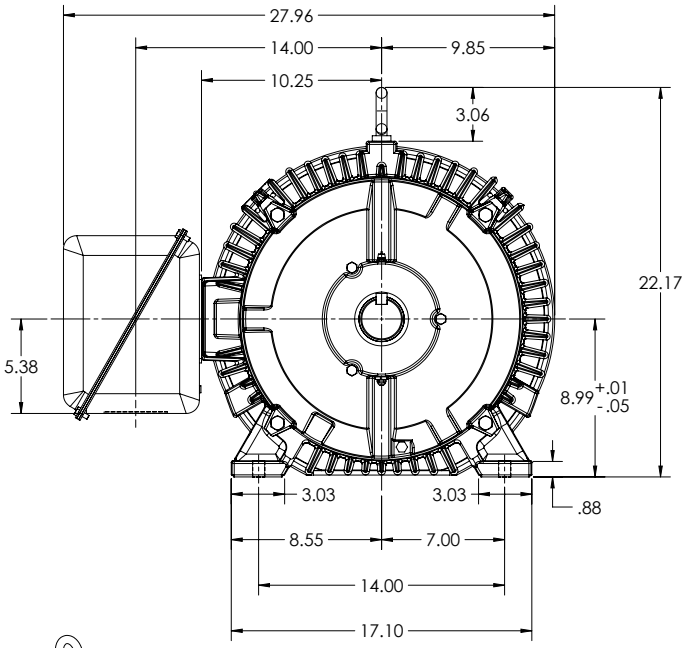
MOUNTING: FOOT, F-1 SIDE

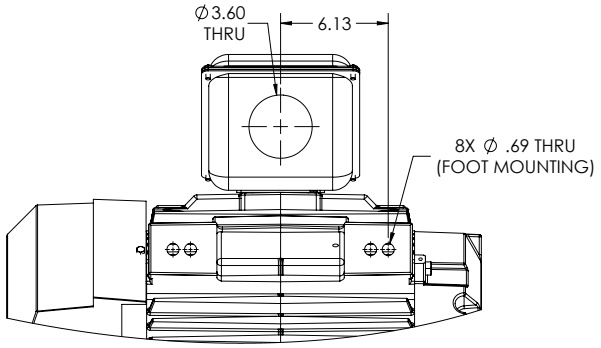
E365T/E364T FRAME MOUNTING

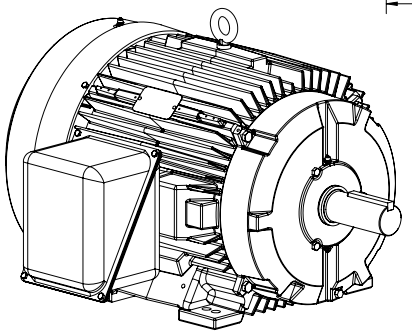
COOLING: FAN COOLED

STEEL CONDUIT BOX









DIMENSIONS ARE IN INCHES.
WEIGHT (LBS.) 800, MOTOR WEIGHT MAY VARY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 1 OF 2

617431-412

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: UPDATE DS QUALITY			
REV: F	VERSION: 06	REVISED: 01:00:49 01/02/2024	TDR: 000001222947
MODEL NO. 617431-412			
BY: USJEDIL			C

BALDOR

E365/364T TEFC FOOT F1/STEEL CONDUIT BOX

617431-412

617431-412

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

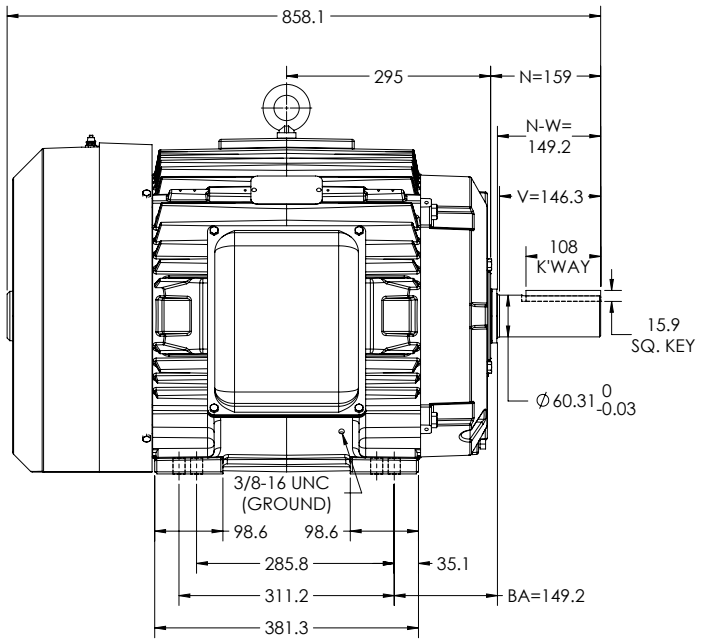
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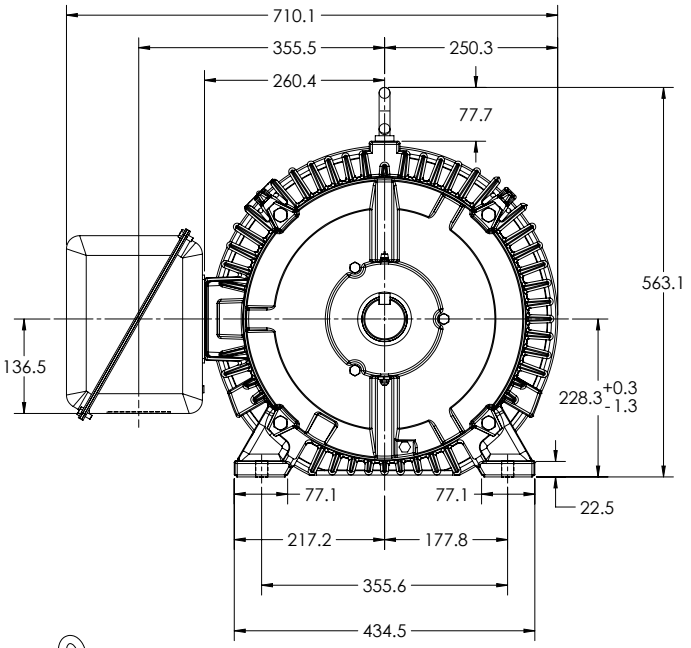
MOUNTING: FOOT, F-1 SIDE

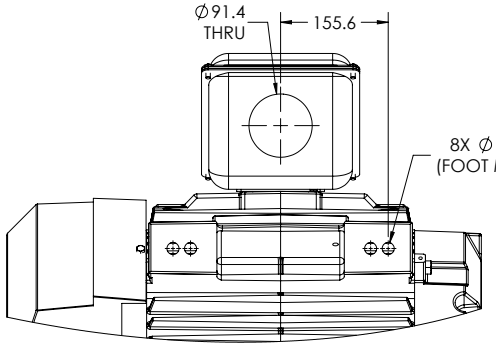
E365T/E364T FRAME MOUNTING

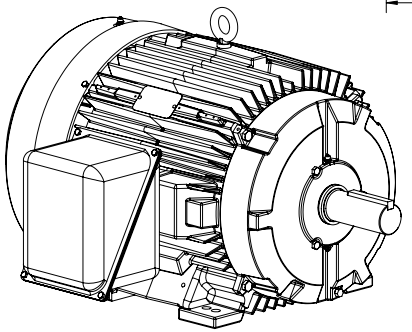
COOLING: FAN COOLED

STEEL CONDUIT BOX









DIMENSIONS ARE IN MILLIMETERS.
WEIGHT (KG) 362. MOTOR WEIGHT MAY VARY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 2 OF 2

617431-412

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.

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MODEL NO. 617431-412			
BY: USJEDIL			C

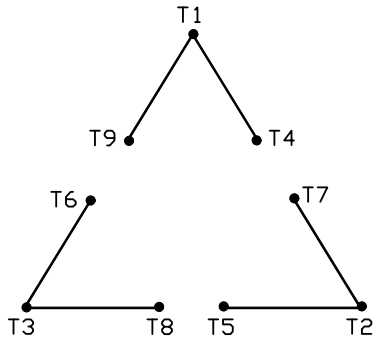
BALDOR

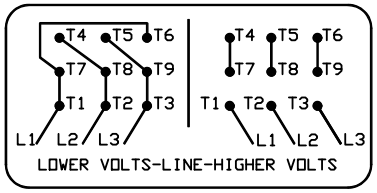
E365/364T TEFC FOOT F1/STEEL CONDUIT BOX

617431-412

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