ABB BALDOR RELIANCE

Customer information packet

EM2540T-CI

40HP, 1185RPM, 3PH, 60HZ, 364T, 1458M, OPEN, F1
Class - None
Division - Not Applicable

7/9/2026 12:54:52 AM

Specifications

Enclosure	DP
Frame	364T
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	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	CURUSEEV
	CSA EEV
	CCSAUSEEV
	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	49.400 A @ 460.0 V
	98.800 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	49.4 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE

Part Detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0752
Layout	617428-115
Eff. date	09-04-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	29.70 IN
Power Factor	81
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2349L												
SPEC NO.	P36G3402		**CAT.NO.**	EM2540T-CI						**FRAME**	364T	
HP	40	**VOLTS**	230/460	**PHASE**	3	**DESIGN**	B	**TYPE**	P			
RPM	1190	**AMPS**	98.8/49.4	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	65BC03J30X		**DUTY**	CONT		**INSUL.CLASS**	F					
OPP D.E. BEARING	65BC03J30X		**ENCL**	DP	**CODE**	G						
SER.NO.			**POWER FACTOR**	80.5				**NEMA-NOM-EFFICIENCY**			94.1	
						MAX CORR KVAR	12.0	**GUARANTEED EFFICIENCY**			93.6	
						NEMA NOM/CSA QUOTED EFF						
								MOTOR WEIGHT				

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

AMPS	DUTY	AMB°C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
98.8/49.4	CONT	40/F	1.15	B	G	DP

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25°C OHMS (BETWEEN LINES)
491378	418141-71JE	---	---	.0380/.152

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	17.8	1200	5.94	0
1/4	10.0	21.6	1197	48.6	89.2
2/4	20.0	29.0	1194	69.3	93.2
3/4	30.0	38.5	1191	77.4	94.1
4/4	40.0	49.4	1188	80.6	94.1
5/4	50.0	61.0	1184	82.0	93.6

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	158	280	290
PULL UP	480	136	241	270
BREAKDOWN	1135	243	430	167
FULL LOAD	1188	100	177	49.4

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. 93.6%

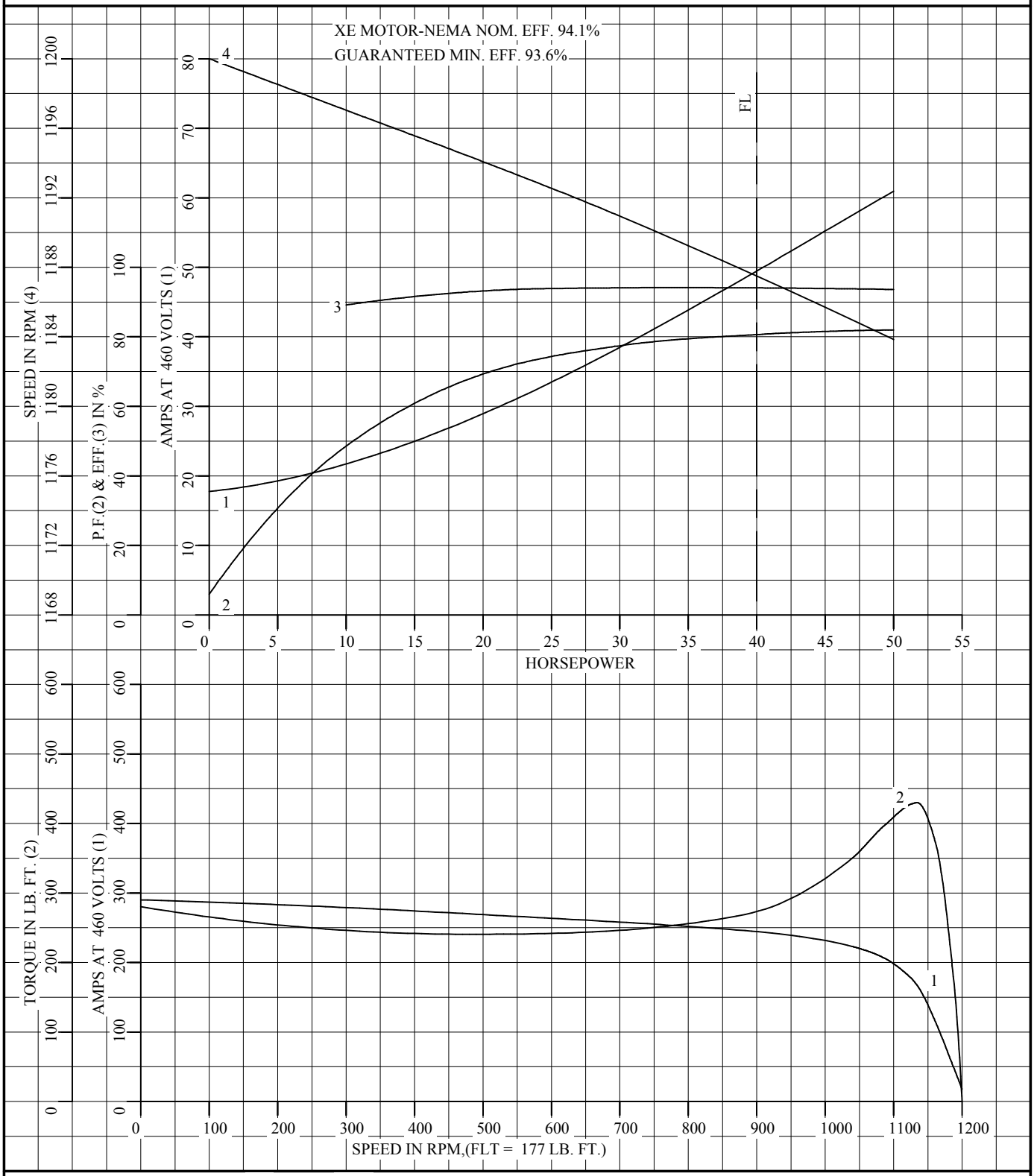
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J.J.HARRISON
CK. BY W.L.SMITH
APP. BY W.L.SMITH
DATE 04/15/10

A-C MOTOR PERFORMANCE DATA A36WG0752-R001
ISSUE DATE 04/16/18

C/R

REL S.O.		RPM	1190	S.F.	1.15	ROTOR	418141-71JE
FRAME	364VPZ	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	40	AMPS	98.8/49.4	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	DP	STATOR RES.@ 25 ℃	.0380/.152
PHASE/HERTZ	3/60	AMB ℃/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.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY	J.J.HARRISON
CK. BY	W.L.SMITH
APP. BY	W.L.SMITH
DATE	04/15/10

A-C MOTOR PERFORMANCE CURVES

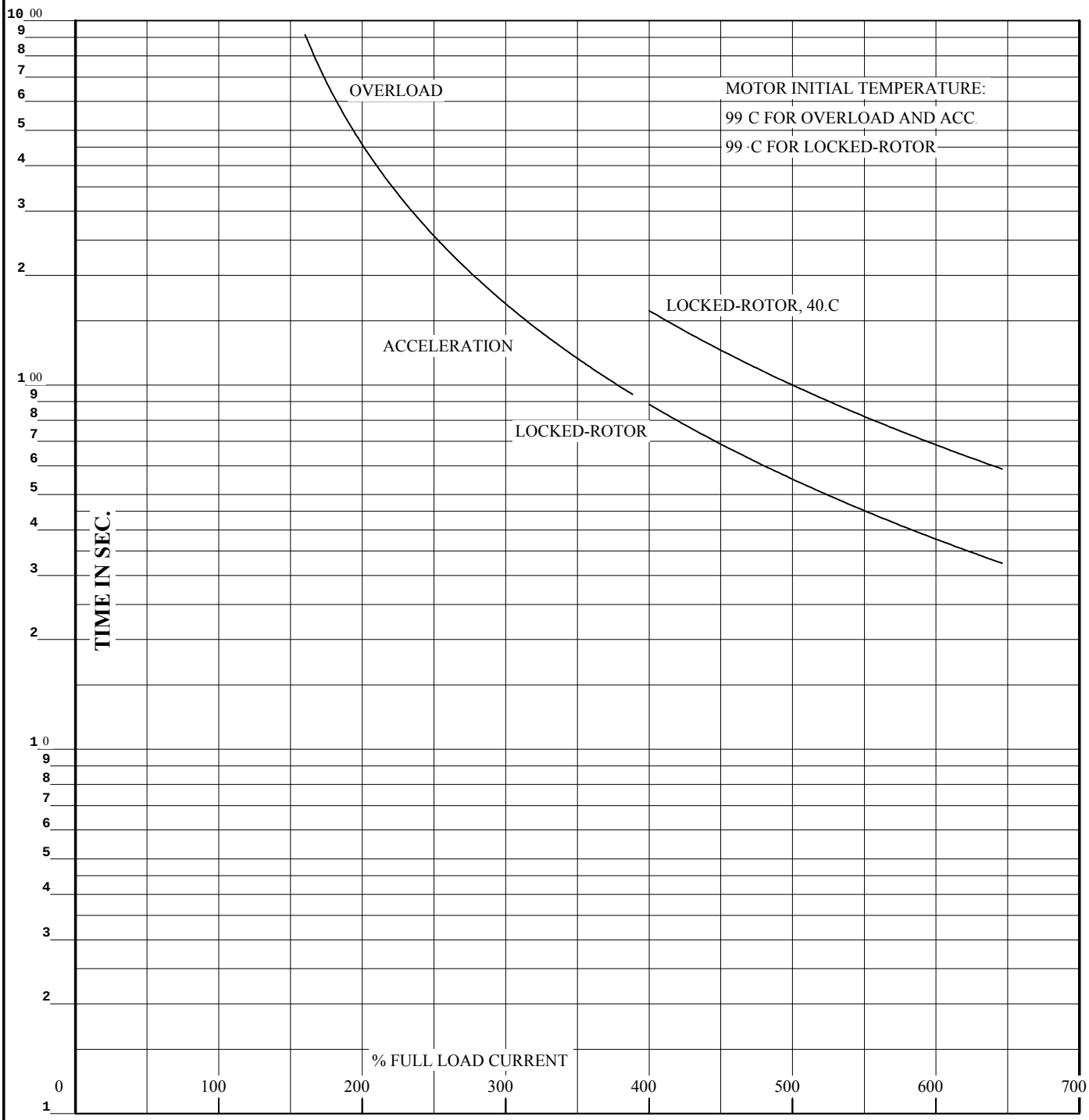
A36WG0752-R001

ISSUE DATE 04/16/18

C/R

Printed on 4/16/18 14:38 @ bengap01.baldor.com

REL. S.O.		RPM	1190	S.F.	1.15	ROTOR	418141-71JE
FRAME	364VPZ	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	40	AMPS	98.8/49.4	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	DP	STATOR RES.@ 25 ℃	.0380/.152
PHASE/HERTZ	3/60	AMB ℃/INSUL	40/F	E/S	491378		OHMS (BETWEEN LINES)



REMARKS:

THERMAL LIMIT CURVE

XE MOTOR-NEMA NOM. EFF. 94.1%

GUARANTEED MIN. EFF. 93.6%

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	J.J.HARRISON
CK. BY	W.L.SMITH
APP. BY	W.L.SMITH
DATE	04/15/10

A-C MOTOR PERFORMANCE CURVES

A36WG0752-R001

ISSUE DATE 04/16/18

C/R

DUTY MASTER ALTERNATING CURRENT MOTORS

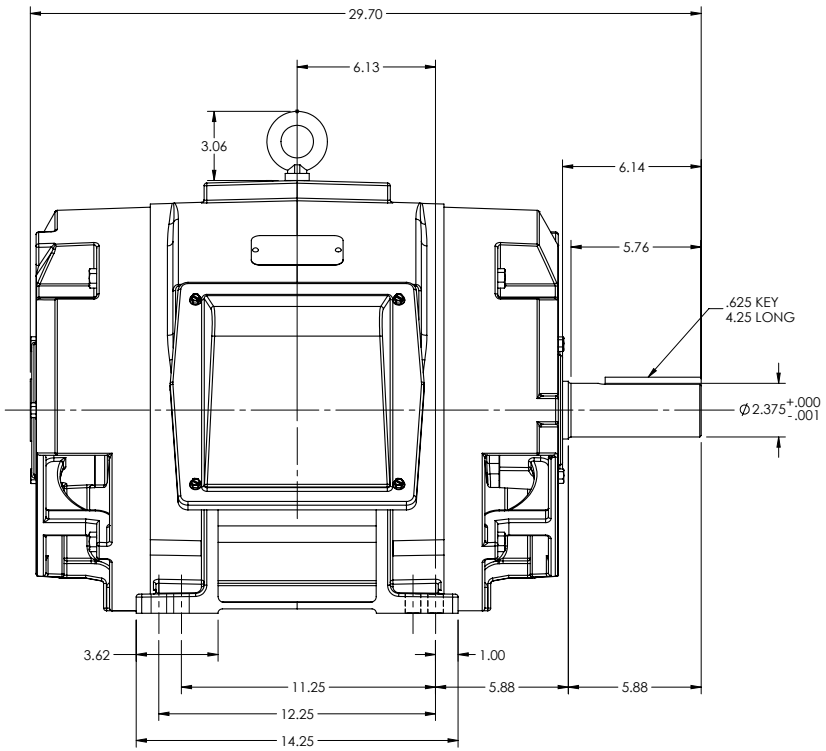
SQUIRREL-CAGE INDUCTION

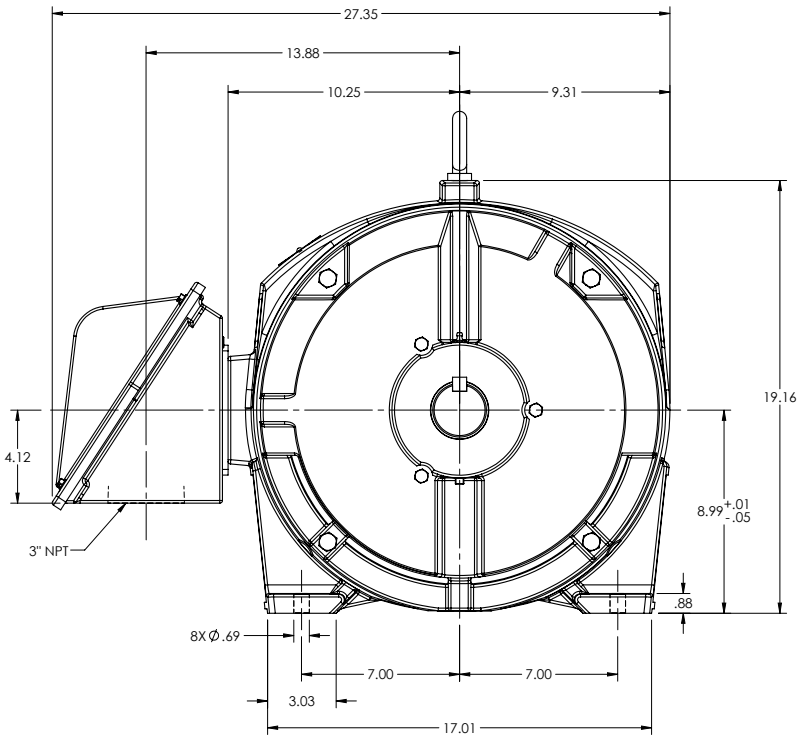
617428-115

ENCLOSURE: PROTECTED
MOUNTING: FOOT

FRAMES 364T-365T

COOLING: SELF-VENTILATED





MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF SHAFT EXTENSION IS .003 T.I.R.

WEIGHT (LBS): 364T = 715
365T = 755

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM			
REV: A	VERSION: 01	REVISED: 10:14:50 10/04/2022	TDR: 000001196512
MODEL NO. 617428-115			REF: -
BY: ENFRAJ0			B

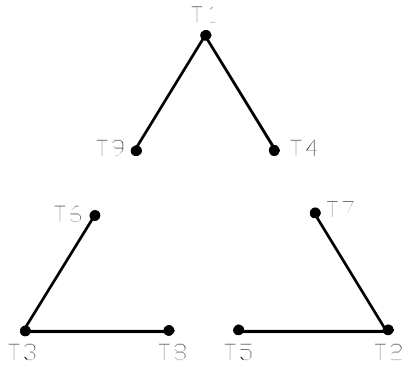
BALDOR

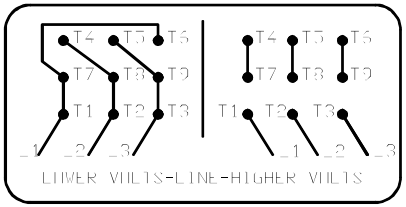
DIM SHT PROT SV FT 364-5T (611750-001)

617428-115

416820–002

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





(N. P. 1575-B)

416820–002

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