

BALDOR® • RELIANCE®

Customer information packet

XT31254T-5

125HP, 1785RPM, 3PH, 60HZ, 444T, A44076M, TEFC

Class - None

Division - Division II

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6/17/2026 2:18:40 AM

Specifications

Enclosure	TEFC
Frame	444T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	115.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	115.0 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	G
Max Speed	3600 rpm

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4202
Layout	617427-476
Eff. date	07-08-2024
CD Diagram	416820-036
Poles	04
Leads	3#1
Proprietary	False
Created date	07-19-2021

Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44076M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	44.97 IN
Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

Nameplate

NP4152LUA

CAT #	XT31254T-5			SER				CC	010A			
SPEC	A44-0003-4202			RATING	40C AMB-CONT							
HZ	VOLTS		AMPS	RPM	HP	CODE	SF	DES	PF	NEMA NOM. EFF		
60	575		115	1785	125	G	1.15	B	85 %	95.4 %		
									%	%		
PH	3	CL	F	MAX RPM	3600	MAX CORR KVAR	27					
BRG	DE	6318	ODE	6318	ENCL	TEFC	FR	444T	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	200	C
INV READY	CT	6:1	HZ	10-60	VT	1000:1	HZ	0-60	CHP	1:1.5	HZ	60-90
INV TEMP CL	T3	C	USABLE AT	N/A								
SFA 132												

REL. S. O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	444TS	125	P	3/60	1785	575
AMPS	DUTY	AMB °C/ INSUL.	S. F.	NEMA DESIGN	CODE LETTER	ENCL.
115	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S. O.	TEST DATE	STATOR RES. @25 °C (BETWEEN LINES)		
498874	418143052KE	---	---	.0591		

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	41.6	1800	3.95	0
1/4	31.3	49.6	1796	50.9	92.8
2/4	62.5	67.1	1793	73.1	95.3
3/4	93.7	89.3	1789	82.1	95.7
4/4	125	114	1785	85.9	95.5
5/4	156	141	1781	87.4	95.1

SPEED TORQUE

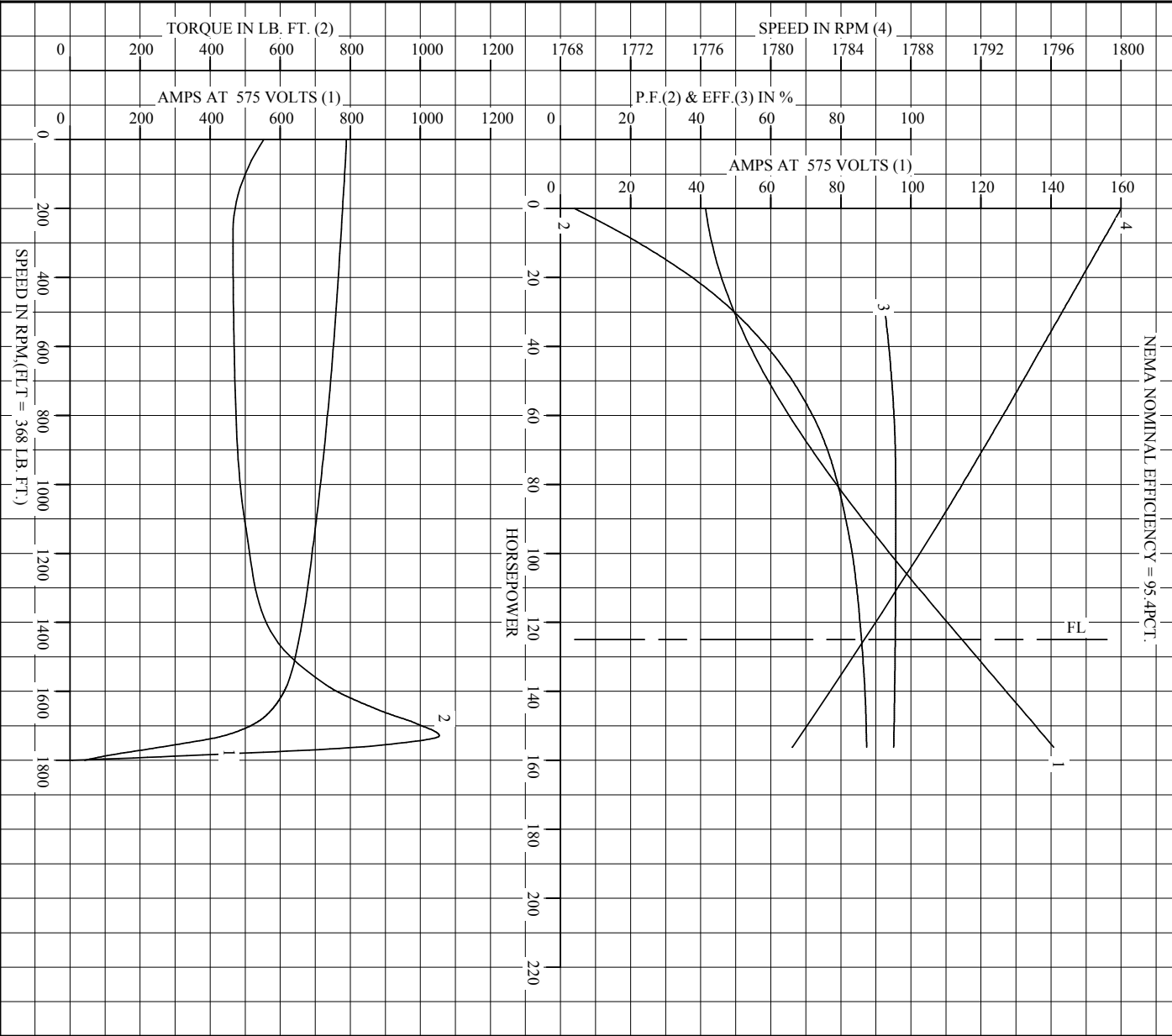
	RPM	% FULL LOAD TORQUE	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	150	553	789
PULL UP	270	127	465	774
BREAKDOWN	1729	287	1054	439
FULL LOAD	1785	100	368	114

AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
NEMA NOMINAL EFFICIENCY = 95.4PCT.

 <p>A MEMBER OF THE ABB GROUP</p>	DR. BY	E. J. CHRISTIAN	<p>A-C MOTOR PERFORMANCE DATA</p> <p>A44WG4202-R001</p> <p>ISSUE DATE 10/23/20</p>
	CK. BY	T. G. KEHART	
	APP. BY	E. J. CHRISTIAN	
	DATE	11/24/15	

REL. S. O.		RPM	1785	S. F.	1.15	ROTOR	4181A3052KE
FRAME	444TS	VOLTS	575	NEMA DESIGN	B	TEST S. O.	TYPICAL DATA
HP	125	AMPS	115	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES. @ 25 °C	.0591
PHASR./HERTZ	3/60	AMB °C/INSUL	40/F	E/S	498874	OHMS (BETWEEN LINES)	



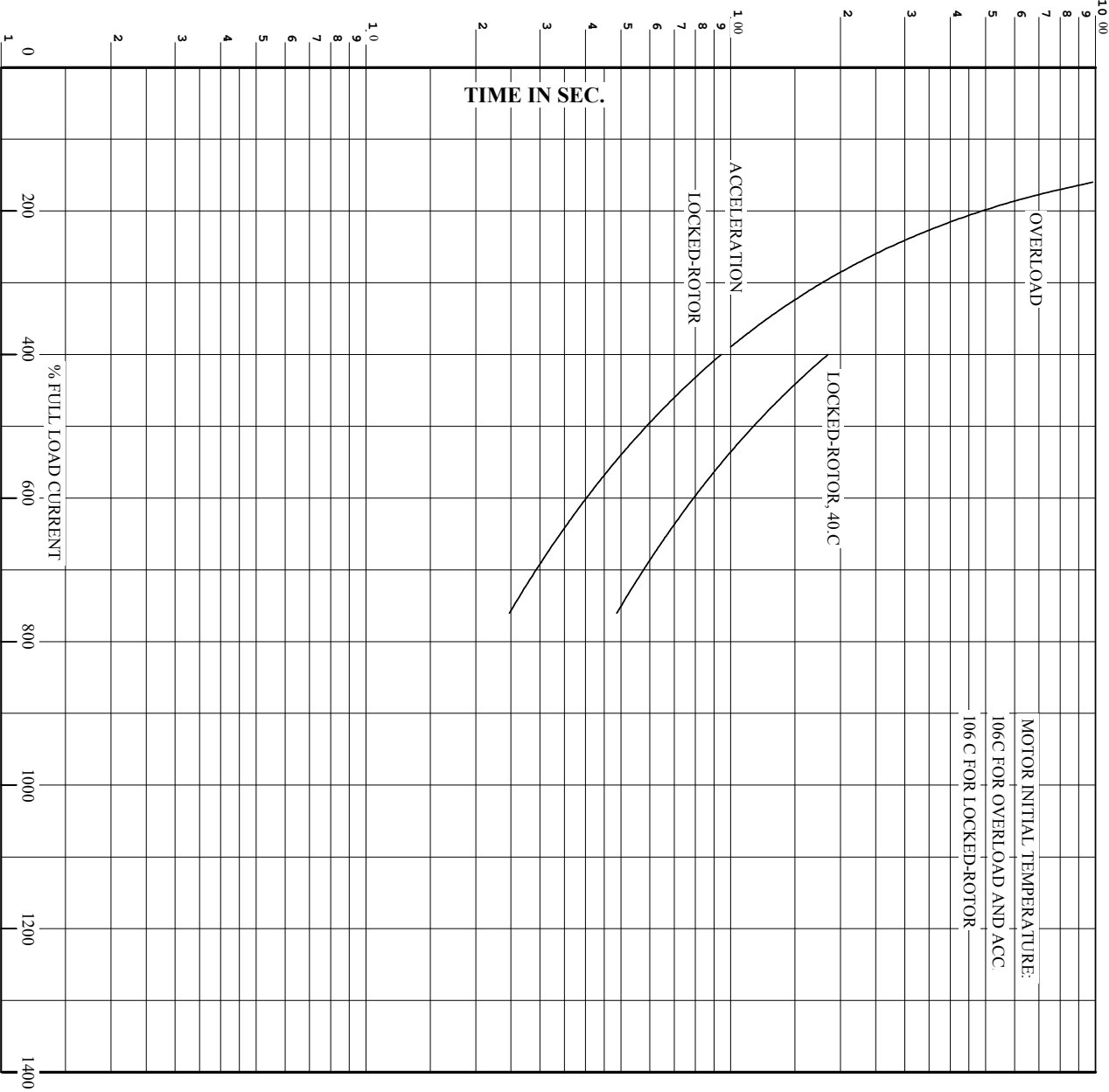
AMPERES SHOWN FOR 575 VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DR. BY E. CHRISTIAN
 CK. BY T. KELATI
 App. BY E. CHRISTIAN
 DATE 11/24/15

A-C MOTOR
PERFORMANCE
CURVES
 A44WG4202-R001
 ISSUE DATE 10/23/20

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS	AMPS	DUTY	AMB °C/INSUL	40/F	S.F. 1.15	NEMA DESIGN	CODE LETTER	ENCLOSURE	TEFC	SPACOR RES @ 25 °C	OMMS (BETWEEN LINES)	ROTOR	418143052KE	TEST S.O.	TYPICAL DATA	
	444TS	125	P	3/60	1785	575	115	CONT				B	G	TEFC		@ 25 °C						



REMARKS: THERMAL LIMIT CURVE
NEMA NOMINAL EFFICIENCY = 95.4PCT.

AMPERES SHOWN FOR 575 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	E.J. CHRISTIAN	A-C MOTOR
	CK. BY	TOKELATI	
	APP. BY	E.J. CHRISTIAN	PERFORMANCE
	DATE	11/24/15	CURVES
			A44WG4202-R001
			ISSUE DATE 10/23/20

617427-476

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

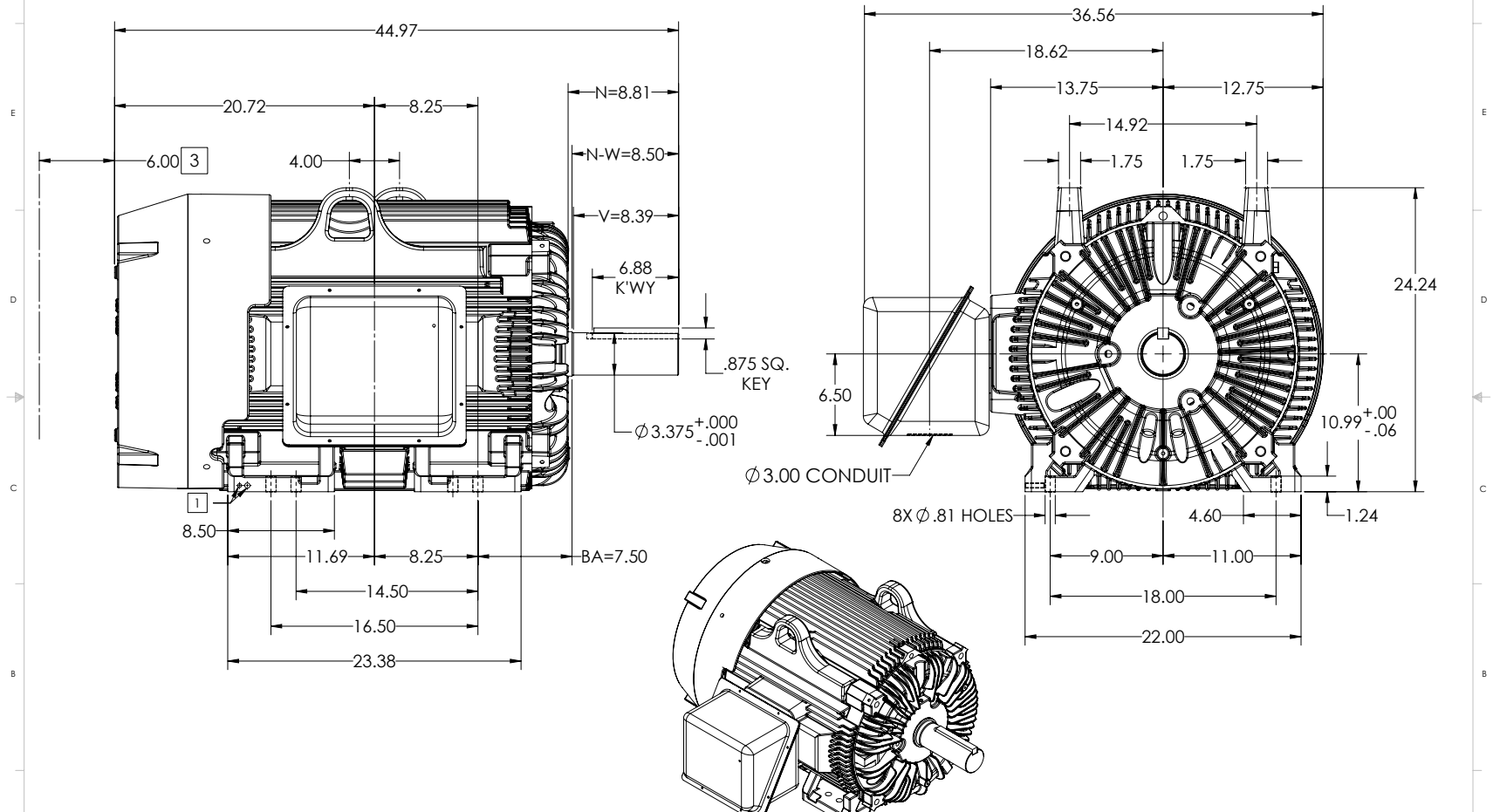
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1 SIDE

FRAME G444T
INCLUDES G445T FRAME MOUNTING HOLES

STEEL MAIN CONDUIT BOX

COOLING: FAN COOLED



- 1 GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- 2 MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
- 3 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

2 WEIGHT (LBS): 2130

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

SHEET NUMBER
1 OF 1
9LF-272119

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. TO 5 INCH DIA.

REV. DESC: NEW DRAWING	VERSION: 00	REVISED: 10/03/28 04/18/2015	TDR: 00000919063
MODEL NO. 617427-476	BY: RAGRA	Material:	REF:

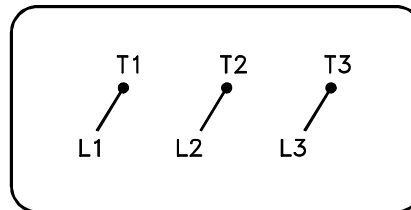
BALDOR

G445T-444T TEFC FT - SD/CNTR - STEEL C/BOX

617427-476

416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1