



Customer information packet

ECP44256T-4

250HP, 1188RPM, 3PH, 60HZ, 449T, A44160M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	30-60
Current @ Voltage	283.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T2C
Heater Indicator	No Heater
High Voltage Full Load Amps	283.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	NEMA

Part detail

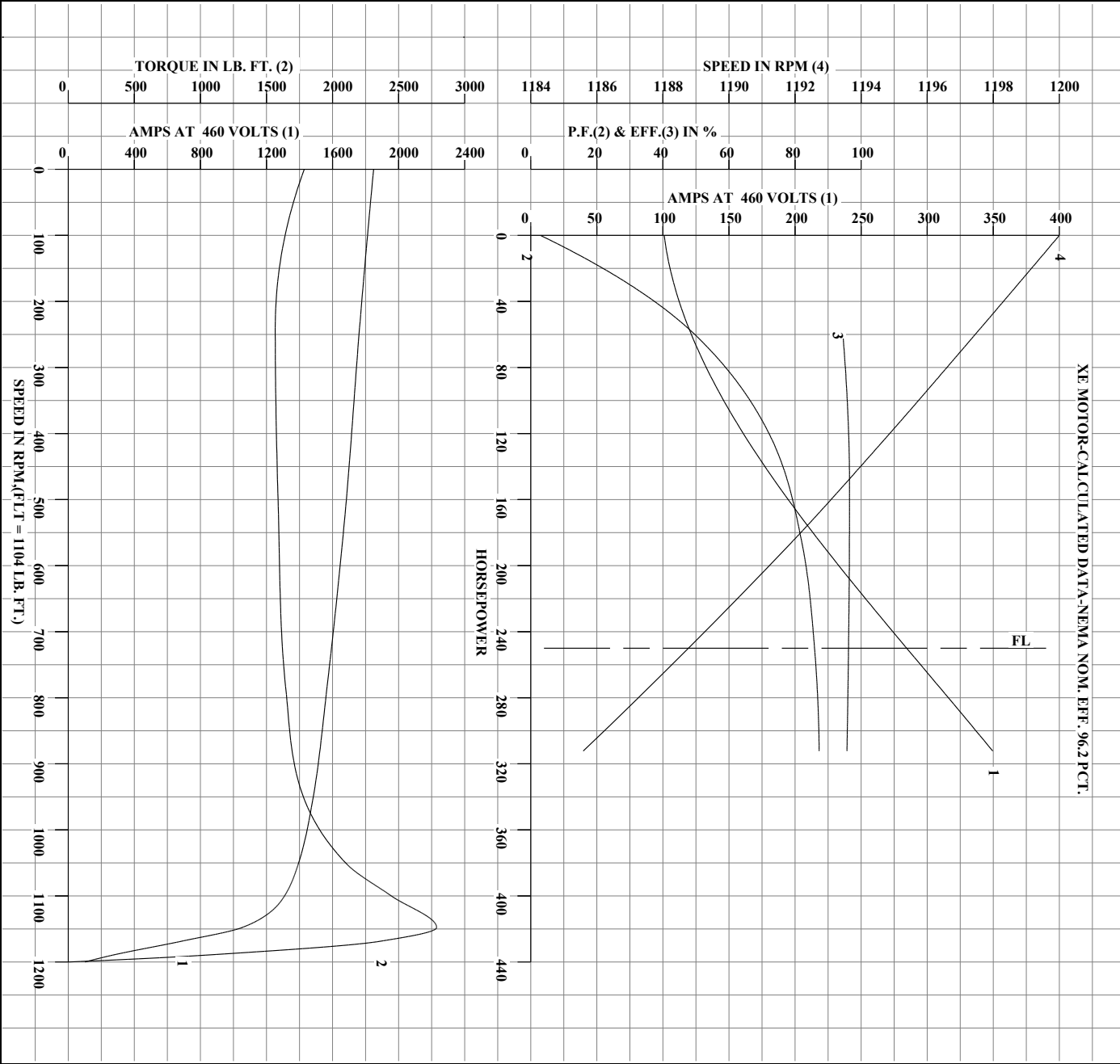
Revision	S
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG0351
Layout	617427-003
Eff. date	10-24-2024
CD Diagram	416820-036
Poles	06
Leads	3#1/0 (02 per group)
Proprietary	False
Created date	08-16-2012

Motor Type	A44160M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	53.24 IN
Power Factor	86
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1188 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3238																	
CAT NO	ECP44256T-4			SPEC NO.		P44G3951											
HP	250	AMPS		283		VOLTS		460		DESIGN		B					
FRAME	449T		RPM		1188	HZ	60	AMB		40	SF		1.15				
D.E. BRG.DATA	6318			O.D.E. BRG.DATA				6318		PH		3	DUTY		CONT	INSUL.CLASS	F
D.E. BRG.	90BC03J30X				TYPE		P	ENCL		TEFC	CODE		G				
O.D.E. BRG.	90BC03J30X				POWER FACTOR				86		NEMA NOM EFFICIENCY				96.2		
3/4 LOAD EFF.	96.5		MAX CORR KVAR				55.0		GUARANTEED EFFICIENCY				95.8				
TEMP CODE	T2C		TEMP =		230												
CHP HZ	60-90		CT HZ		30-60		VT HZ		0-60								
INVERTER-TEMP-CODE	T2C																
SER.NO.					MOTOR WEIGHT												

REL.S.O.	449T	RPM	1188	S.F.	1.15	ROTOR	418143090SE
FRAME	449T	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	250	AMPS	283	CODE LETTER	G	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0158
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	401799	OHMS (BETWEEN LINES)	



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



DRAWN BY: J.P. TSAO
CHECKED BY: J.P. TSAO
APPROVED BY: S. EVON
DATE: 09/23/25

AC MOTOR
PERFORMANCE
DATA

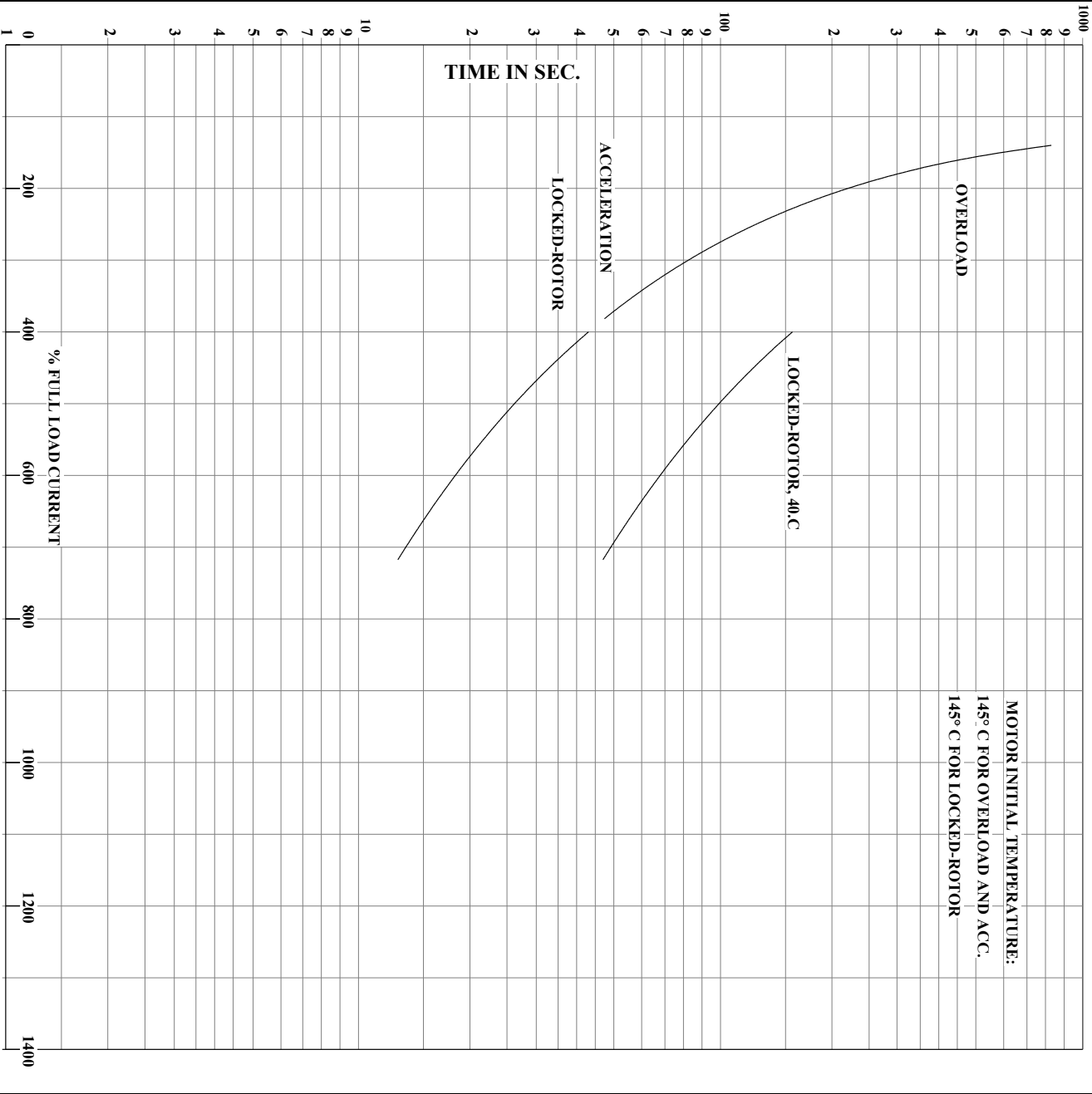
A44WG0351-R004

ISSUE DATE 09/23/25

USJOTS A

Printed on 09/23/2025 10:16 AM

REL.S.O.	RPM 1188	S.F. 1.15	ROTOR 418143090SE
FRAME 449T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 250	AMPS 283	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0158
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 401799	OHMS (BETWEEN LINES)



Thermal Limit Curve
XE Motor-Calculated Data-NEMA Nom. Eff. 96.2 Pct.

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

	DRAWN BY: J.P. TSAO CHECKED BY: J.P. TSAO APPROVED BY: S. EVON DATE: 09/23/25	AC MOTOR PERFORMANCE DATA	A44WG0351-R004
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Printed on 09/23/2025 10:16 AM

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

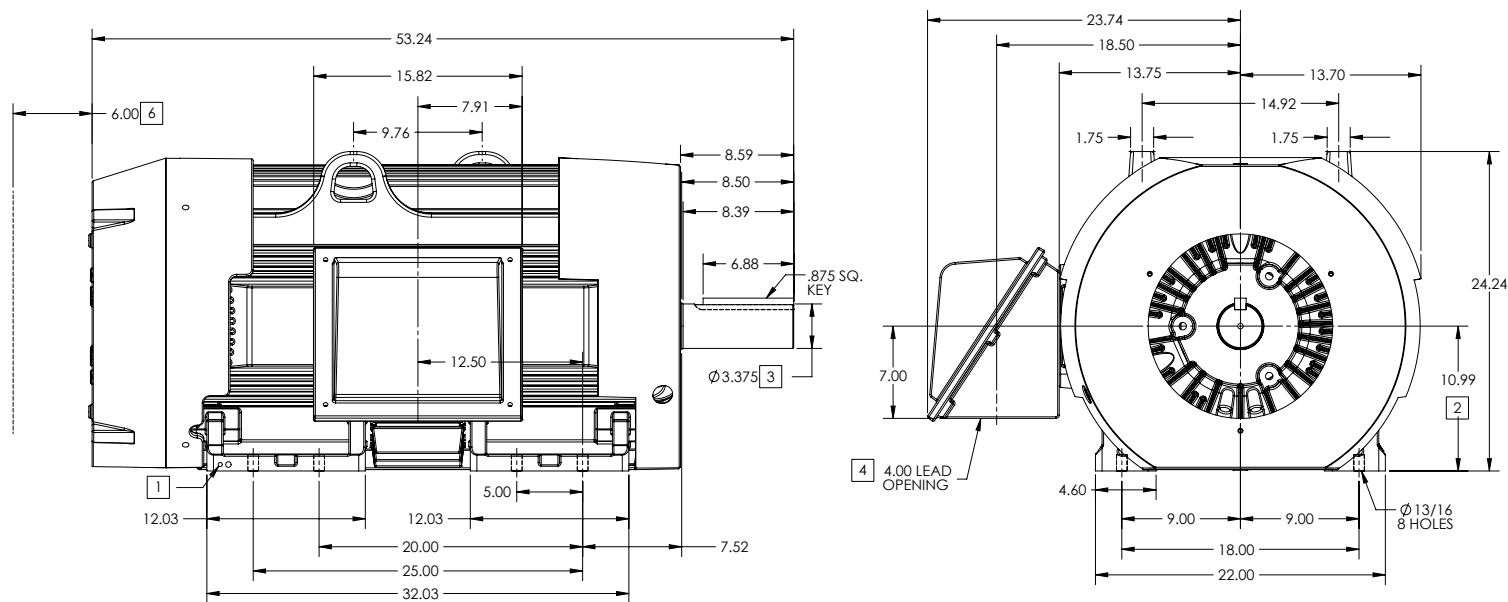
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449T ABOVE NEMA RATINGS (1800 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.06
3. VARIES +.000, -.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
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.

[5] WEIGHT (LBS): 3080

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

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

SHEET NUMBER
1 OF 2

5007-LCP-119

REV. DESC: NEW DRAWING			
REV: B	VERSION: 02	REVISED: 11/32/36 10/23/2017	TDR: 000001048162
MODEL NO. 617427-003			
BY: RAGRA			

BALDOR

G449T/447T STD - FOOTED - SIDE/CENTER C/B

617427-003

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

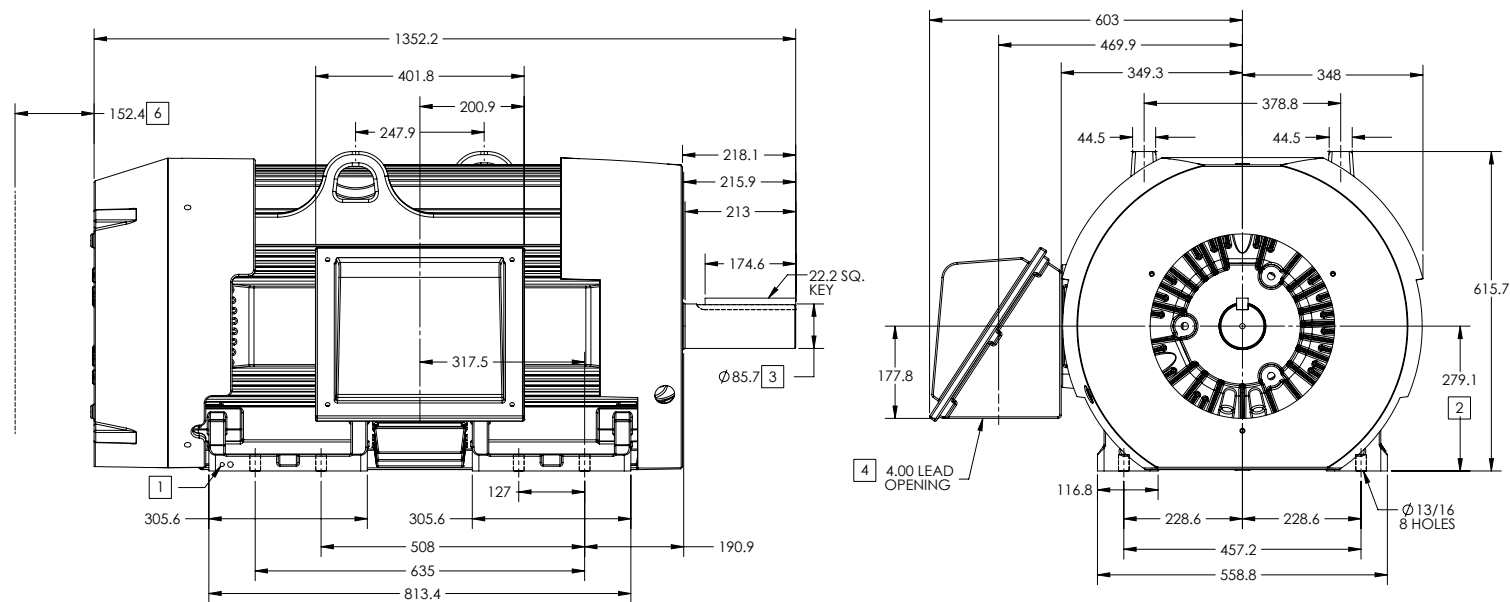
ENCLOSURE: TOTALLY ENCLOSED

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5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .08 MM T.I.R. TO 127 MM DIA.

[5] WEIGHT (KGS): 1400

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

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

SHEET NUMBER
2 OF 2

500-227-119

REV. DESC. NEW DRAWING	REV. B	VERSION: 02	REVISED: 11/32/36 10/23/2017	TDR: 000001048162
MODEL NO. 617427-003	BY: RAGRA			

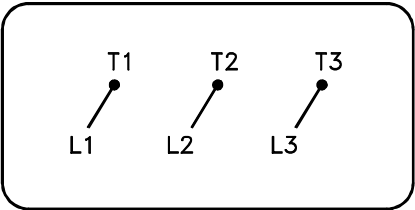
BALDOR

G449T/447T STD - FOOTED - SIDE/CENTER C/B

617427-003

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