



Customer information packet

CPX441246T

125HP, 1785RPM, 3PH, 60HZ, 444T, TEFC, F1

Class - CLI GP C,D; CLII GP E,F,G

Division - Division I

Specifications

Enclosure	TEFC
Frame	444T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	144.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	144.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3870
Layout	617426-350
Eff. date	05-06-2024
CD Diagram	416820-036
Poles	04
Leads	3#1/0
Proprietary	False
Created date	02-13-2019

KVA Code	G
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	3 @ 1/0 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
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L	
MOBIL POLYREX EM	

000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	E F G	
OPERATING TEMP CODE	T3C	

000901002AAA	
SUIT @ 55C AMB AT 1.00 SF AT S	INEWAVE

NP3140L

SPEC NO.	A44-9272-3870			CAT.NO.	CPX441246T				FRAME	444T
HP	125	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	144	HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	90BC03J30X			DUTY	CONT	INSUL.CLASS		F		
OPP D.E. BEARING	90BC03J30X			ENCL	TEFC	CODE	G			
SF	1.15	WK2	48.6	MAG CUR	44.8	RPM MAX		3600		
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-90	NEMA-NOM-EFF		95.4		
	IP66									
SER.NO.				MOTOR WEIGHT						

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444	125	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
144	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
498834	418143052KE	---	---	.0383		

PERFORMANCE					
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	44.8	1800	4.44	0
1/4	31.3	61.7	1796	51.1	92.8
2/4	62.5	84.1	1792	73.0	95.3
3/4	93.7	112	1788	81.7	95.7
4/4	125	144	1784	85.3	95.5
5/4	156	178	1780	86.6	95.1

SPEED TORQUE					
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0	133	489	892	
PULL UP	270	114	420	875	
BREAKDOWN	1729	290	1067	500	
FULL LOAD	1784	100	368	144	

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

TYPICAL DATA

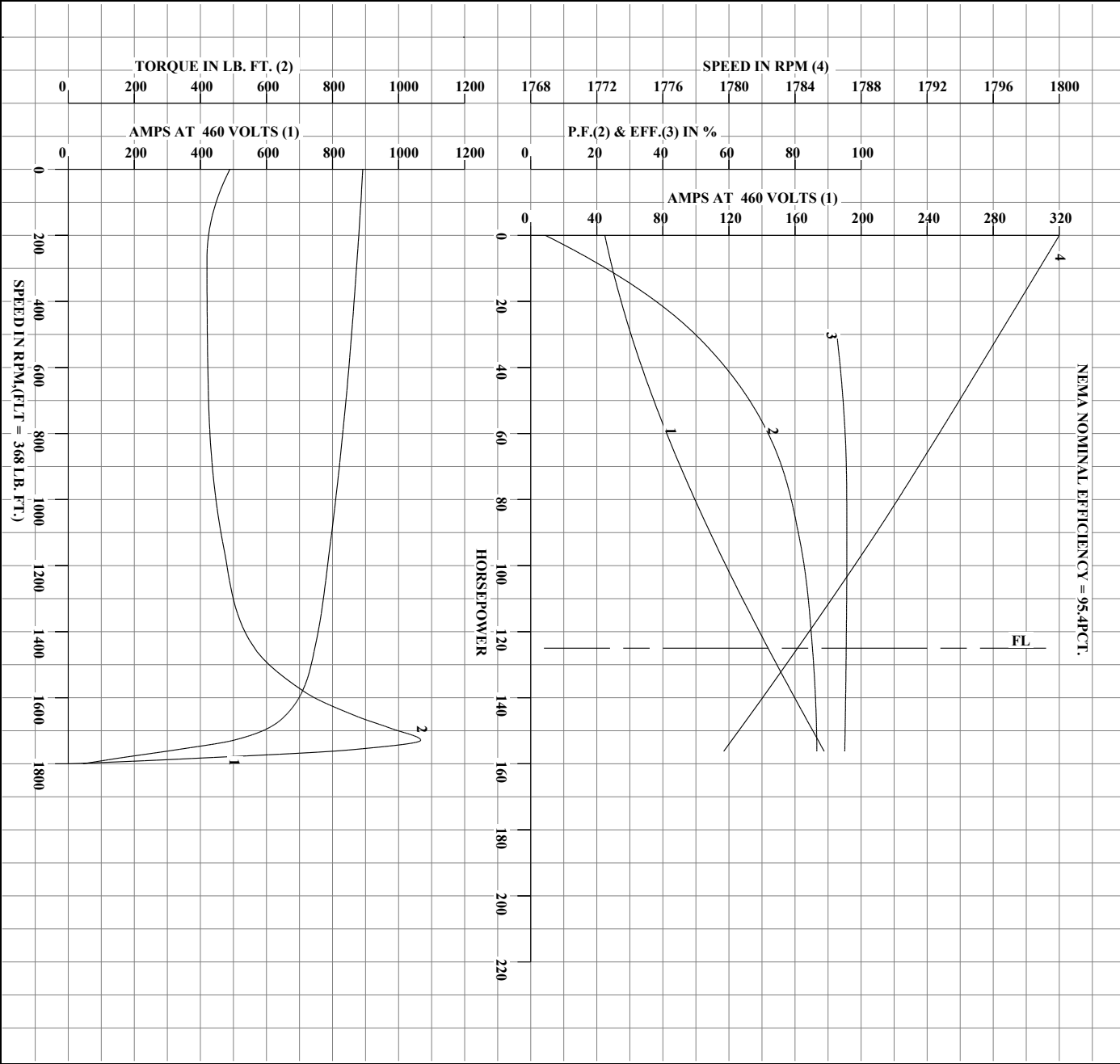
NEMA NOMINAL EFFICIENCY = 95.4PCT.

	DRAWN BY: CD CHECKED BY: CD APPROVED BY: R. MCELVEEN DATE: 1/18/11	AC MOTOR PERFORMANCE DATA	A44WG3870-R001 DATE ISSUED 05/04/21
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USERCHRI

Printed on 06/01/2021 9:16 AM

REL.S.O.	444	RPM	1785	S.F.	1.15	ROTOR	418143052KE
FRAME	444	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	125	AMPS	144	CODE LETTER	G	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0383
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	498834	OHMS (BETWEEN LINES)	



DRAWN BY: CD
CHECKED BY: CD
APPROVED BY: R. MCELVEEN
DATE: 1/18/11

AC MOTOR
PERFORMANCE
DATA

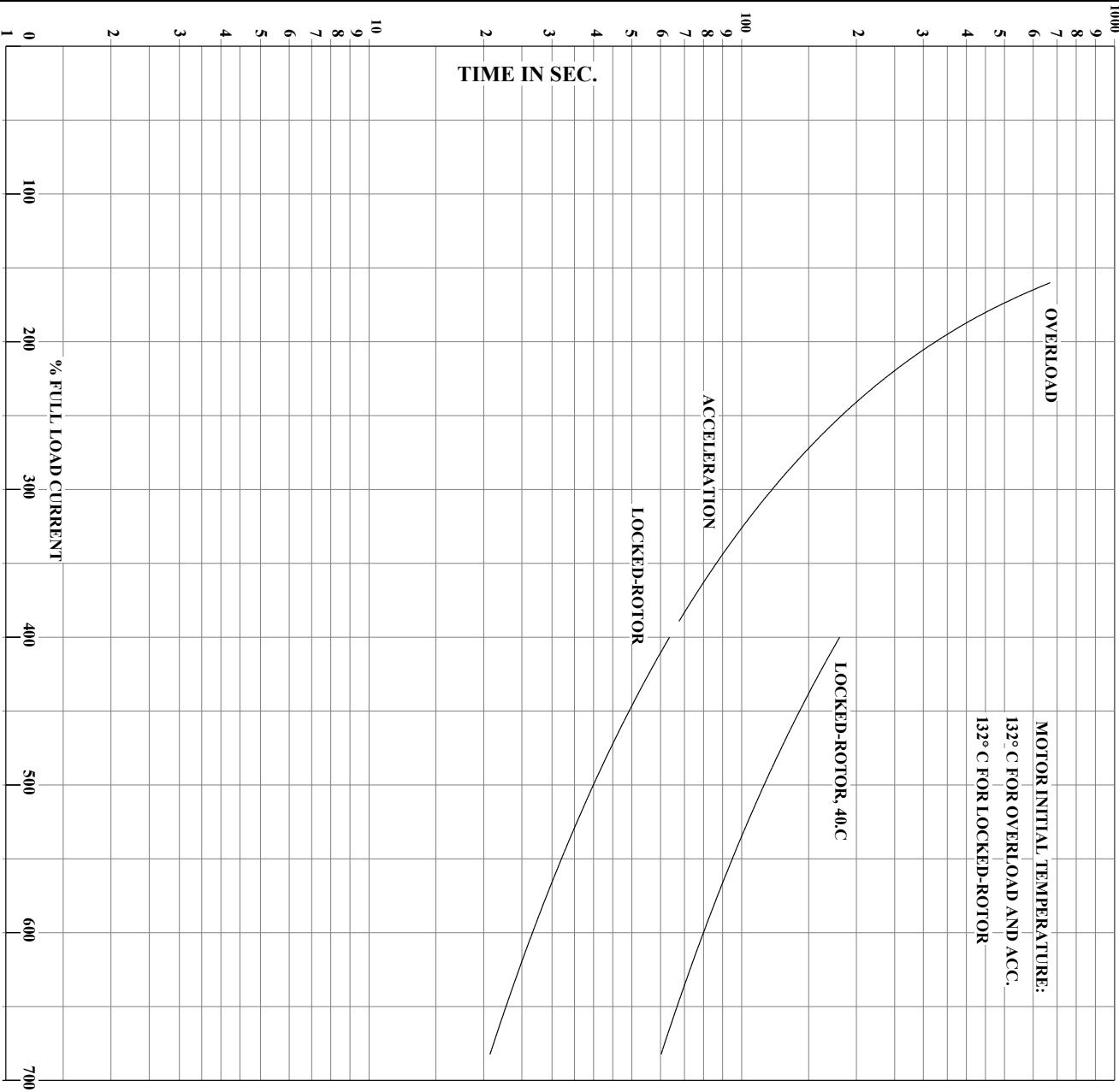
A44WCG3870-R001

ISSUE DATE 05/04/21

USER:CHRI

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REL.S.O.	FRAME 444	HP 125	TYPE P	PHASE / HERTZ 3/60	RPM 1785	VOLTS 460	AMPS 144	DUTY CONT	AMB °C / INSUL 40/F	S.F. 1.15	NEMA DESIGN B	CODE LETTER G	ENCLOSURE TEFC	E/S 498834	ROTOR 418143052KE	TEST S.O. TYPICAL DATA
												TEST DATE ---	STATOR RES. @ 25°C .0383	OHMS (BETWEEN LINES)		



Thermal Limit Curve
NEMA Nominal Efficiency = 95.4PCT.

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

	DRAWN BY: <u>CD</u> CHECKED BY: <u>CD</u> APPROVED BY: <u>R. MCELVEEN</u> DATE: <u>1/18/11</u>	AC MOTOR PERFORMANCE DATA	A44WCG3870-R001
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USERCHRI

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

617426-350

ENCLOSURE: UL LISTED MOTOR

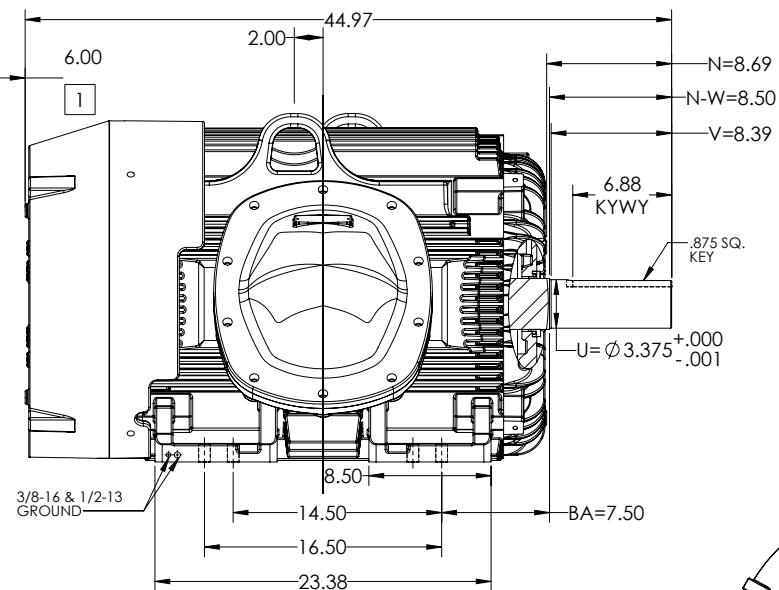
MOUNTING: F-1 FOOT

G444T/G445T FRAME MOUNTING HOLES

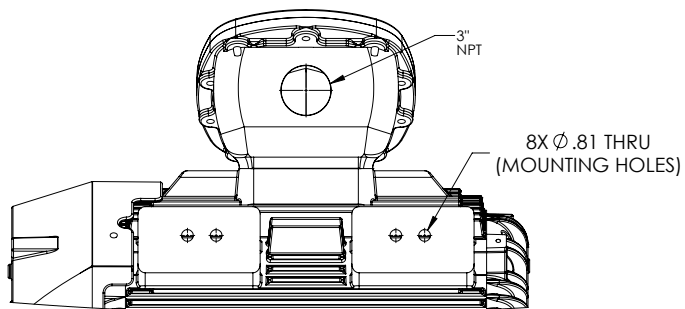
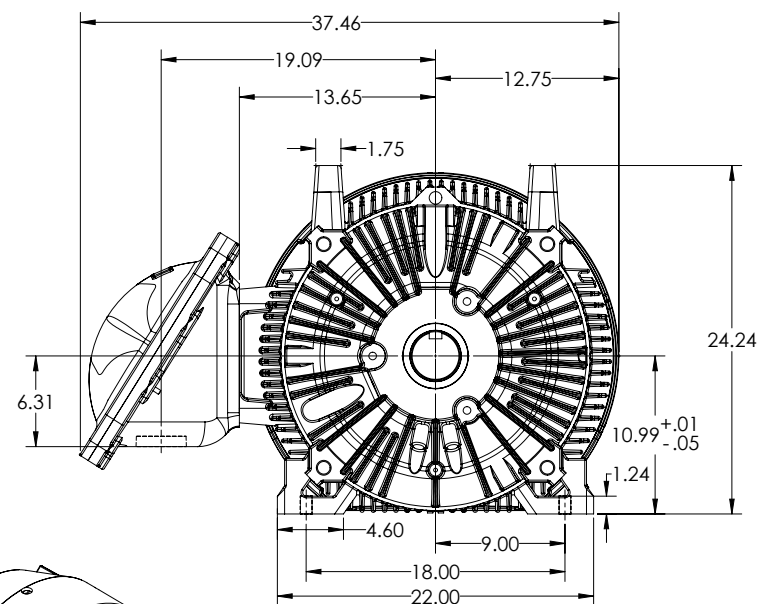
CLASS 1: GR. C&D, CLASS 2: GR. E,F,&G

ENCLOSURE ENHANCEMENT: SEVERE DUTY

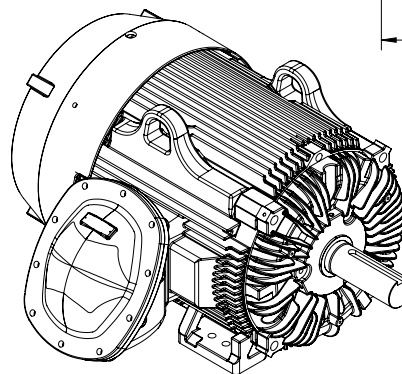
COOLING: FAN COOLED

3/8-16 & 1/2-13
GROUNDN=8.69
N-W=8.50
V=8.396.88
KYWY
.875 SQ.
KEY
U= $\phi 3.375^{+.000}_{-.001}$

BA=7.50



3" NPT

8X $\phi .81$ THRU
(MOUNTING HOLES)

DIMENSIONS ARE IN INCHES.
WEIGHT (LBS): 2150. WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
1 OF 1

051-9272-119

1 OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET MOTOR.

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
REV: - VERSION: 00 REVISED: 02/20/28 02/12/2019 TDR: 000001098250
MODEL NO. 617426-350 REF:
BY: RAGRS1 Material:

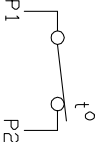
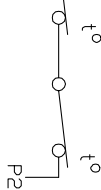
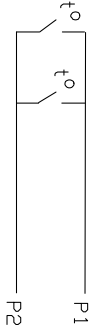
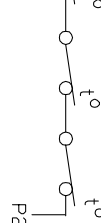
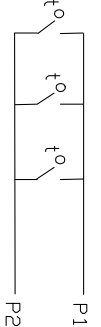
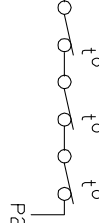
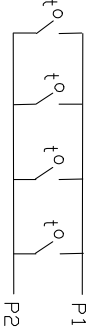
BALDOR

G445/444T TEFC XP F1 FT-CL-CB - CL.1 GR.C&D CL.2 GR.E,F&G

617426-350

CONNECTION DIAGRAM
ACCESSORIES

MOTOR WINDING THERMOSTATS		
CONTACTS _____ @ _____ °C		
FIGURE NUMBER _____		
CONTACT RATING		
VOLTS	CONTINUOUS AMPERES	INRUSH AMPERES
110-120	3.0	30
220-240	1.5	15
440-480	0.75	7.5
550-600	0.60	6.0

THERMOSTATS	
NORMALLY CLOSED	NORMALLY OPEN
FIGURE 1 	FIGURE 4 
FIGURE 2 	FIGURE 5 
FIGURE 3 	FIGURE 6 
FIGURE 7 	FIGURE 8 

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

418174-006

418174-006

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
MTL: -		

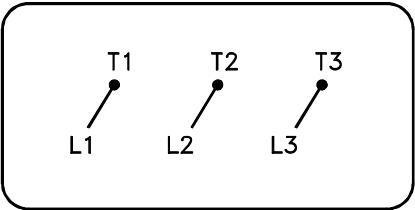
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A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

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

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CONN DIAG - STANDARD 3 LEAD
SH 1 of 1