

BALDOR® • RELIANCE

Product Information Packet

ECP84412T-4

125HP,3570RPM,3PH,60HZ,444TS,A4468M,TEFC

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A4468M	Elec. Spec:	A44WG3534	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-213
Frame:	444TS	Mounting:	F1	Poles:	02	Created Date:	08-17-2012
Base:		Rotation:	PS	Insulation:	F	Eff. Date:	10-27-2014
Leads:	3#2 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3237									
CAT NO	ECP84412T-4	SPEC NO.	P44G3960						
HP	125	AMPS	137	VOLTS	460	DESIGN	B		
FRAME SIZE	444TS	RPM	3570	HZ	60	AMB	40	SF	1.15
D.E. BRG.DATA	6313	O.D.E. BRG.DATA	6313	PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03J30X	TYPE	P	ENCL	TEFC	CODE	F		
O.D.E. BRG.	65BC03J30X	POWER FACTOR	89	NEMA-NOM-EFFICIENCY	95				
3/4 LOAD EFF.	94.9	MAX CORR KVAR	18.0	GUARANTEED EFFICIENCY	94.1				
TEMP CODE	T3	TEMP =	200						
CHP HZ	60-90	CT HZ	15-60	VT HZ	0-60				
INVERTER-TEMP-CODE	T3								
SER.NO.		MOTOR WEIGHT							

Nameplate 000613007EX					
CAT NO	ECP84412T-4	SPEC NO.	P44G3960		
NO. ROTOR BARS	40	GREASE TYPE	POLYREX EM		
NO. SLOTS	48	IEEE 85 NOISE LEVEL	78DBA		
5 YEAR WARRANTY		MFG. DATE			
NL AMPS AT RATED VOLTAGE	30.4	WINDING RES @25 C	.03432	OHMS	
SER.NO					

Parts List		
Part Number	Description	Quantity
SA249730	SA P44G3960	1.000 EA
RA236590	RA P44G3960	1.000 EA
613-6PU	N/P UL CSA LABLE	1.000 EA
NP3237	SS SUPER E INVERTER DUTY IEEE 841	1.000 EA
000613007EX	N/P BALDOR	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
000692000JP	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000692000VH	N/P	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	0.540 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
34017-14AB	LCKW 3/8 STD. PLATED	4.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089490097C	BRKT,DE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
412118006A	DRAIN	1.000 EA
083199082RA	G28 FAN COVER W/BAFFLE ASSY 83199-82A	1.000 EA
089490097C	BRKT,DE	1.000 EA
410700004F	WSHR	1.000 EA
412118006A	DRAIN	1.000 EA
415028021E	SEAL	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA
078546004C	FAN 440 702675001D	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
415915007K	GASK, 26" LAC	1.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034530056AB	1/8 X 7 PP NIPPLE	1.000 EA
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
415028021E	SEAL	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA

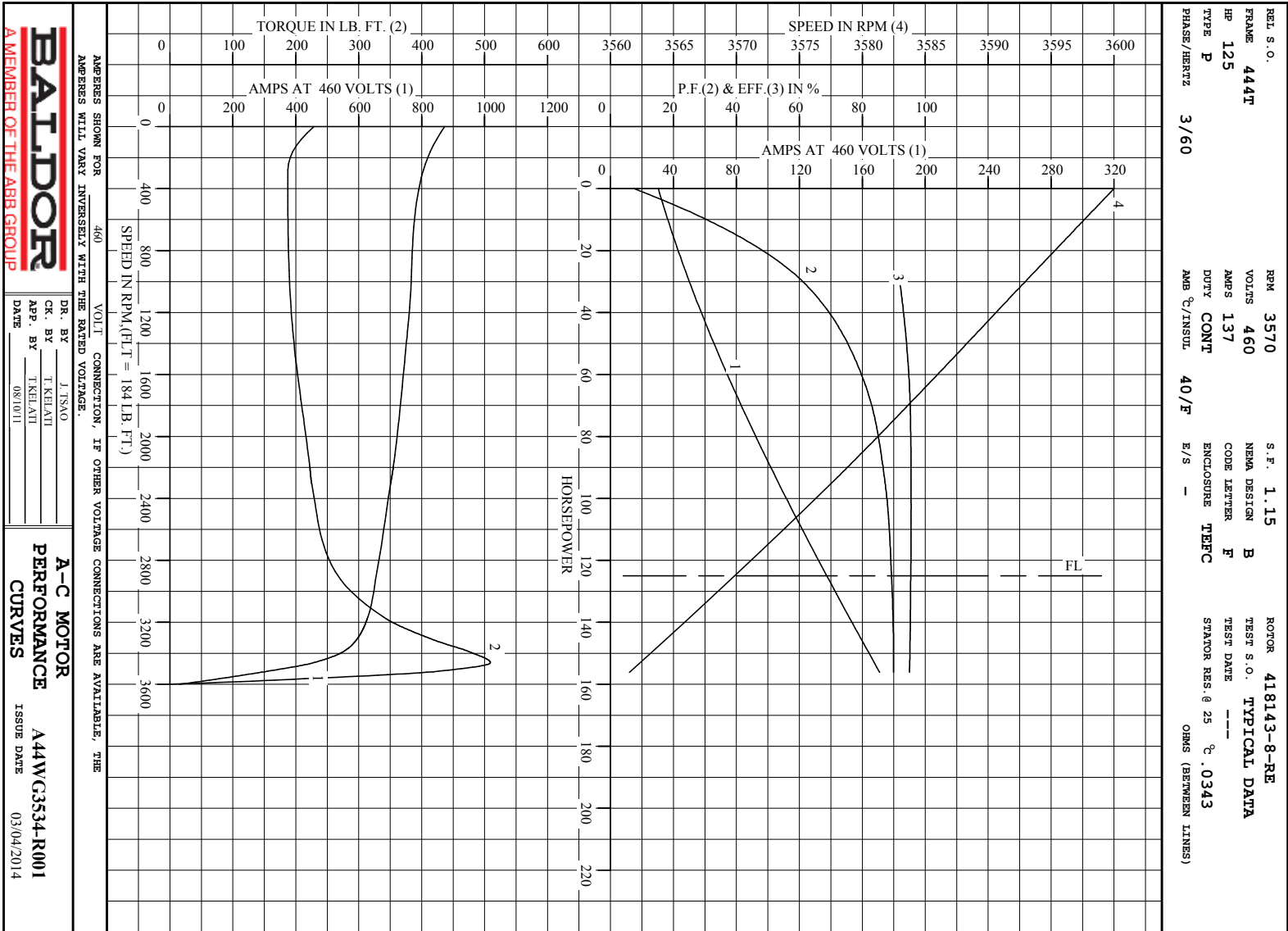
Parts List (continued)		
Part Number	Description	Quantity
702623012A	THERMAL BARRIER, G28	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
067053001C	GASK 440	1.000 EA
076863000D	C/BA 440 076863000C	1.000 EA
076864000A	CB CVRCST BLKT - 440	1.000 EA
406056007A	GASKET, 440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
004824003AJD	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180024HA	KEY 5/8X5/8X3 L	1.000 EA
MN416	TAG-INSTAL-MAINT w/wire. (1000/bx) 8/12	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444T	125	P	3/60	3570	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
137	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
-	418143-8-RE	---	---	.0343		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	30.4	3600	7.45	0	
1/4	31.3	51.0	3593	62.3	92.1	
2/4	62.5	76.5	3585	80.7	94.9	
3/4	93.8	106	3578	87.1	95.5	
4/4	125	137	3570	89.3	95.4	
5/4	156	171	3562	89.9	95.0	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	125	229	873		
PULL UP	288	102	187	804		
BREAKDOWN	3461	277	509	456		
FULL LOAD	3570	100	184	137		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: TYPICAL DATA						



A MEMBER OF THE ABB GROUP

DR. BY <u>J. TSAO</u> CK. BY <u>T. RELAY</u> APP. BY <u>T. RELAY</u> DATE <u>08/10/11</u>	A-C MOTOR PERFORMANCE DATA A44WG3534-R001 ISSUE DATE <u>03/04/20</u>
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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

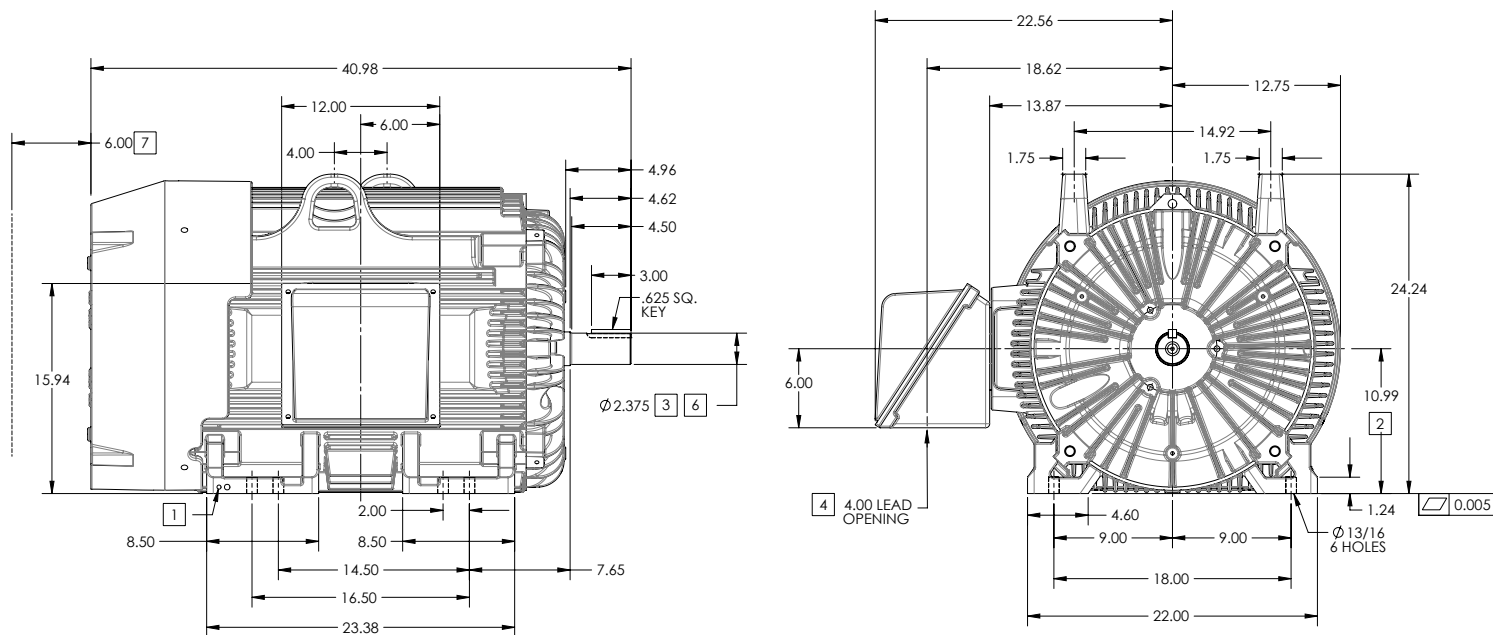
FRAME G445TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444TS FRAME MOUNTING HOLES

841XL ENCLOSURE ENHANCEMENT



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 15% DEPENDING ON RATING.
6. SHAFT TIR = 0.0015IN FOR BALL BEARING MOTORS AND 0.002IN FOR ROLLER BEARING CONSTRUCTION
7. OBSTRUCTION MUST NOT ENCROACH 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): 2100

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
617427-213

REV. DESC: NEW
REV: - VERSION: 00 REVISED: 08-41-31 09/05/2014 TDR: 000000870238
MODEL NO. 617427-213 REF:
BY: RAGISSI Material:

BALDOR
G445TS-444TS STD - FOOTED - SIDE/CENTER C/B - 841XL

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

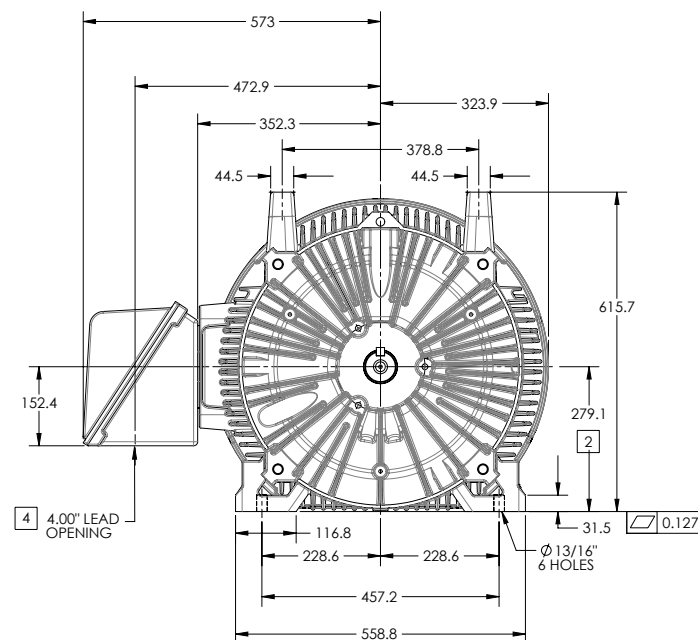
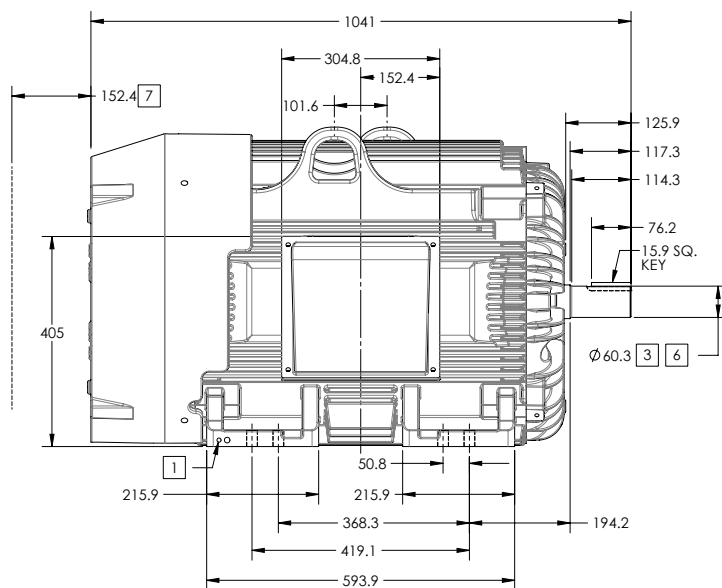
FRAME G445TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444TS FRAME MOUNTING HOLES

841XL ENCLOSURE ENHANCEMENT



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.00,-.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 15% DEPENDING ON RATING.
6. SHAFT TIR = 0.038MM FOR BALL BEARING MOTORS AND 0.051MM FOR ROLLER BEARING CONSTRUCTION
7. OBSTRUCTION MUST NOT ENCROACH 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): 950

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

617427-213

REV. DESC: NEW	VERSION: 00	REVISED: 08-41-31 09/05/2014	TDR: 000000870238
MODEL NO. 617427-213	BY: RAGISSI	MATERIAL:	REF:

BALDOR

G445TS-444TS STD - FOOTED - SIDE/CENTER C/B - 841XL

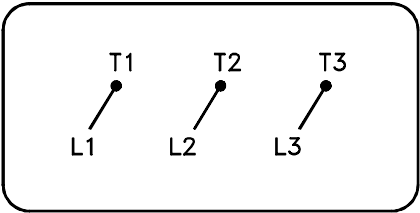
416820-036

A-C MOTOR

CONNECTION DIAGRAM

STANDARD 3 LEAD

CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	CONN DIAG - STANDARD 3 LEAD
MTL: -		BY: RAGRA	SH 1 of 1

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<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

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