

BALDOR® • RELIANCE

Product Information Packet

EM44254T-2340

250HP,1785RPM,3PH,60HZ,L449T,A44200M,TEF

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44200M	Elec. Spec:	A44WG4997	CD Diagram:	416820-004
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617423-169
Frame:	L449T	Mounting:	F1	Poles:	04	Created Date:	10-11-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	07-14-2016
Leads:	6#6 482406006P					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3132L

SPEC NO.	P44G5953		CAT.NO.	EM44254T-2340		FRAME	L449T	
HP	250	VOLTS	2300/4000		PHASE	3	DESIGN	-
RPM	1785	AMPS	56.3/32.4		HZ	60	AMB	40
DRIVE END BEARING	110BC02J30X		DUTY	CONT		INSUL.CLASS	F	
OPP D.E. BEARING	6318/C3VL0241		ENCL	TEFC		CODE	H	
NEMA NOM/CSA QUOTED EFF			NEMA-NOM-EFFICIENCY	95				
SER.NO.								
		MOTOR WEIGHT 3660						

Nameplate 000901002AAA	
EQUIPPED WITH 120V/245W AND 240V/245W SPACE HEATERS	
120V HTR= 1H1,1H2	240V HTR= 2H1,2H2

Nameplate NP2496L

MOBIL POLYREX EM

Parts List		
Part Number	Description	Quantity
SA271942	SA P44G5953	1.000 EA
RA258564	RA P44G5953	1.000 EA
482406006P	06 AWG,UL3499,BLACK,7.5kV,BELDEN#37506	42.000 FT
041009000BB	EXT. LEAD LUG	6.000 EA
000692000SC	N/P	5.000 EA
421948037	LABEL, MYLAR	1.000 EA
NP3132L	"BALDOR ONLY" INDUSTRIAL MOTOR, SS,	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000901002AAA	N/P BLANK	1.000 EA
004824015A	GREASE POLYREX EM	1.160 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 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
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
078549001DA	FAN 400 078549001F	1.000 EA
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
089490099B	G28 BRKT 089490098WCA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
410700004A	WSHR	1.000 EA
034690001AB	SQHDPLG, COND	2.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	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
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
034001013AB	FTW BAFFLE	3.000 EA
034001013AB	FTW BAFFLE	3.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
415915007K	GASK, 26" LAC	1.000 EA
089490101B	G28 BRKT 089490100WCA	1.000 EA
415045002D	SLGR - 440	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
032130014DB	HSHCS1/2-13X1-3/4 PLATE	4.000 EA
034000016AB	WSHR .531ID 1.062OD .095	4.000 EA
415030115A	G28 C/BOX 415030114WCA	1.000 EA

415039027A	GASKET, G28 LEAD THROAT	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
702616012T	CONDUIT BOX	1.000 EA
075456039B	CBCA 075456030WCA	1.000 EA
075457025A	+CBOX CVR BLKT - 400/440	1.000 EA
415039010A	LEAD GASKET FOR AUX LEADS 250-440	1.000 EA
065564008A	GASK 250-440	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	2.000 EA
415035049D	T/PLT - 320	1.000 EA
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 EA
032375004GB	SLRHMS 6-32X1/2 PLTD-440	4.000 EA
034530032EA	P/NIP 3/4X4 BLACK	1.000 EA
049455093C	T/BLK	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
406056008A	GASKET, TERBD 440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
047024002J	TERMINAL LUG - MAKE FM F	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
076700036G	C/B KB - 320	1.000 EA
076701000A	C/B - 320	1.000 EA
049843019A	PLTE 320 049843048WCA	1.000 EA
415039010B	LEAD GASKET FOR AUX LEADS 360-400	1.000 EA
065776000C	TERBD 320-400	1.000 EA
067027000B	GASK 320-440	1.000 EA

Product Information Packet: EM44254T-2340 - 250HP,1785RPM,3PH,60HZ,L449T,A44200M,TEF

049455093H	TERBD	2.000 EA
415035100A	TERM BLK SPRT AUX FOR 320 AUX BOX	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
032375004GB	SLRHMS 6-32X1/2 PLTD-440	8.000 EA
034530040FB	1.0 X 5.00 PIPE NIPPLE	1.000 EA
034600024AA	BUSH 2 TO 1 BLACK	1.000 EA
MG1025G05	WILKOFAS, 789.227, MED. GRAY CHAR. MET.	1.000 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
415917001A	RTD TAG	1.000 EA
418199008A	N/P GRD I/D	1.000 EA
000692000CL	N/P	1.000 EA
482413003Y	#3 SLEEVING (GREEN)	6.000 FT
482413004Y	#4 SLEEVING (GREEN) PER FT	30.000 FT
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
604797032	447/449 WIDE SHIPPING SKID	1.000 EA
032510026D	CARRIAGE BOLT - 440	2.000 EA
034001014AB	FLAT WASHER 3/8"PLATED	2.000 EA
034001016AB	WSHR .562ID 1.375OD .109	2.000 EA
604797003C	SHIPPING BAG	1.000 EA
033300014AC	HEX NUT, SHIPPING - 400	2.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	L449T	250	P	3/60	1785	2300/4000
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
56.3/32.4	CONT	40/F	1.15	--	H	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
-	418143043GE	---	---	.416/1.25		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	9.3	1800	6.02	0	
1/4	62.6	12.3	1797	59.7	91.7	
2/4	125	18.1	1793	78.8	94.6	
3/4	187	24.9	1789	85.2	95.1	
4/4	250	32.4	1785	87.5	95.0	
5/4	312	40.3	1781	88.2	94.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	137	1007	237		
PULL UP	270	98.9	727	229		
BREAKDOWN	1724	256	1880	124		
FULL LOAD	1785	100	735	32.4		

AMPERES SHOWN FOR 4000. 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 R.K. BRIDGES

CK. BY W.L. SMITH

APP. BY W.L. SMITH

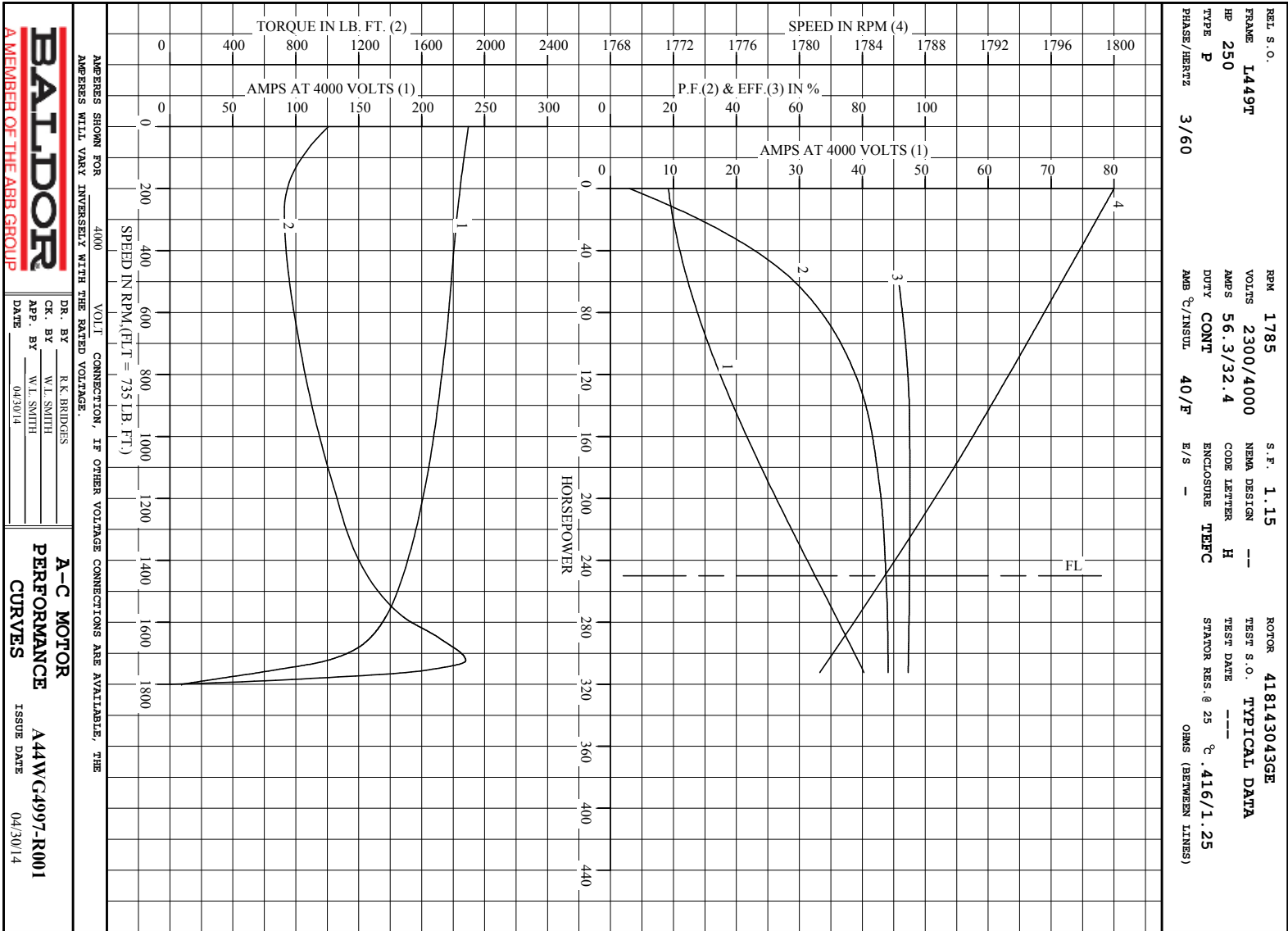
DATE 04/30/14

A-C MOTOR

PERFORMANCE DATA

A44WG4997-R001

ISSUE DATE 04/30/14



Printed on 4/30/14 13:28 @ regsun

DUTY MASTER ALTERNATING CURRENT MOTORS

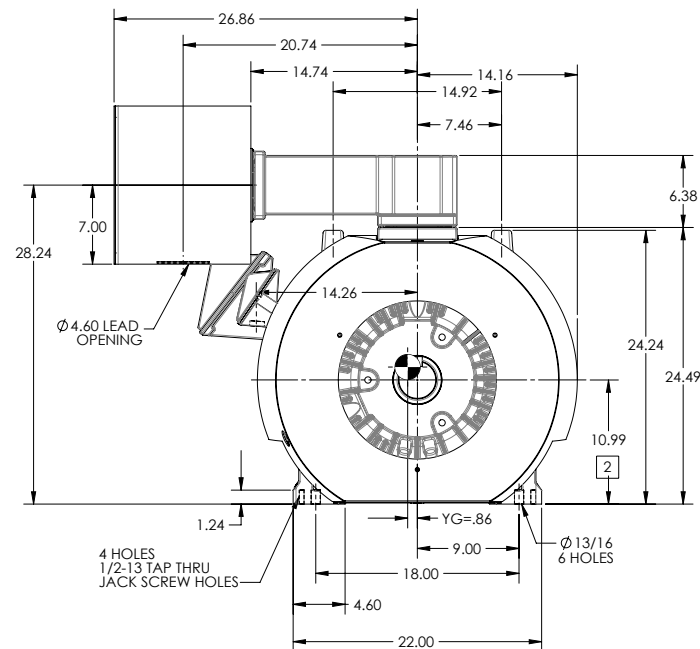
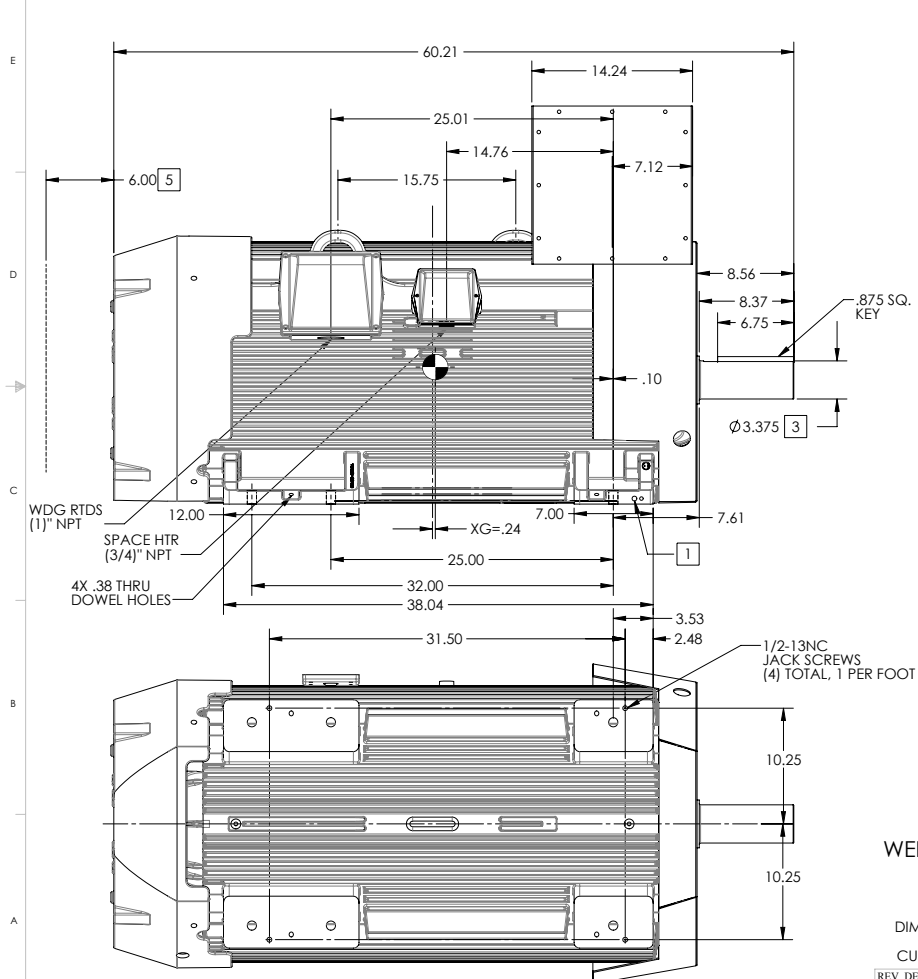
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

 INCLUDES DOWEL PIN HOLES, VERTICAL JACK SCREW HOLES, F1 AUX BOXES
FOR WDG RTD & SPACE HEATERS AND 14X14X12 FABRICATED MAIN CBOX


1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00-.06
3. VARIES +.000-.001
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. 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.

WEIGHT (LBS): 4000

DIMENSIONS ARE IN INCHES

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

REV. DESC: ADD COG TO DRAWING

REV: A VERSION: 01

REVISED: 01-40-05 08/31/2015 TDR: 000000941807

MODEL NO. 617423-169

REF:

BY: RAGISSI

Material:

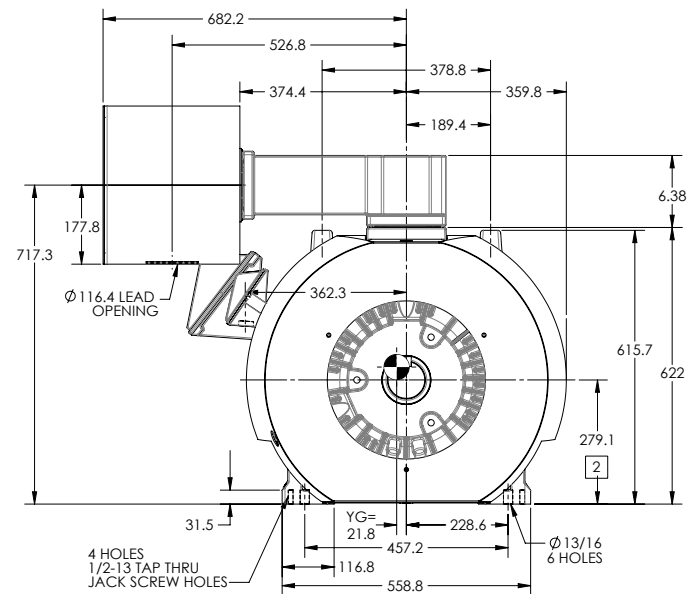
BALDOR

D/S GL449T W/ 14X14X12 CB,DOWEL JACK SCREWS,320 AUX,180 AUX

SQUIRREL-CAGE INDUCTION

COOLING: FAN COOLED

INCLUDES DOWEL PIN HOLES, VERTICAL JACK SCREW HOLES, F1 AUX BOXES
FOR WDG RTD & SPACE HEATERS AND 14X14X12 FABRICATED MAIN CBOX



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-1.5
3. VARIES +.000,-.025
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. 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 .076MM T.I.R. TO 127MM DIA.

WEIGHT (N): 17800

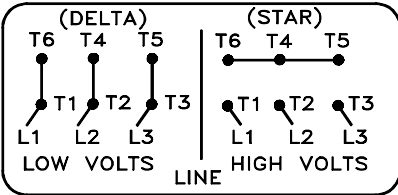
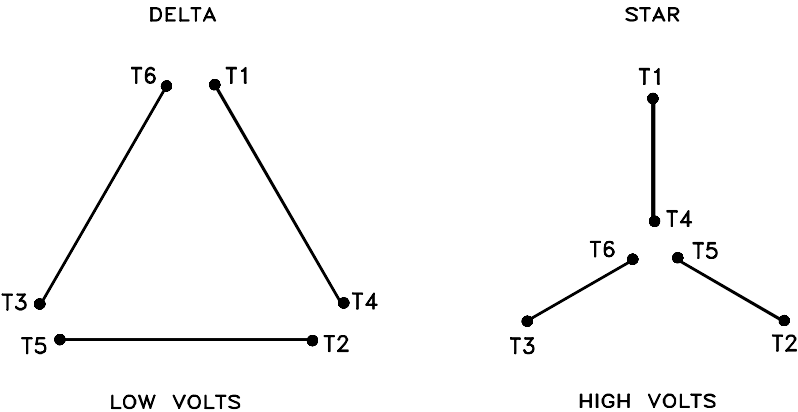
DIMENSIONS ARE IN MM, SEE SHEET 1 FOR DIMENSIONS IN INCHES

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

REV. DESC: ADD COG TO DRAWING					
REV: A	VERSION: 01	REVISED: 01:40:05 08/31/2015	TDR: 000000941807		
MODEL NO: 617423-169			REF:		D/S GL449T W/ 14X14X12 CB,DOWEL JACK SCREWS,320 AUX,180 AUX
BY: RAGJSS1		Material:		C	

416820-004

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 6 LEAD (DELTA/STAR CONNECTED)
DUAL VOLTAGE (LOW VOLTS/HIGH VOLTS)



(N.P. 1767-CC)

416820-004

REV. DESC: ADDED CLASSIFICATONS		
REV. LTR: B	VERSION: 02	TDR: 000000539297
FILE: \RSN\00017\950		REVISED: 11:58:09 05/04/2010
MTL: -		BY: RAGRA

BALDOR

A-C MOTOR CONNECTION DIAGRAM
SH 1 of 1

Marketing maintained PDF of MN408:

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

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>