

BALDOR® • RELIANCE

Product Information Packet

AEM4308-4

40HP,1190RPM,3PH,60HZ,404U,A40052M,TEFC

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40052M	Elec. Spec:	A40WG0469	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617429-100
Frame:	404U	Mounting:	F1	Poles:	06	Created Date:	07-19-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	05-12-2014
Leads:	3#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2436L									
SPEC NO.	P40G3942	CAT.NO.	AEM4308-4	FRAME	404U				
HP	40	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P
RPM	1190	AMPS	47.4	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	80BC03JPP30A	BLANK		DUTY	CONT	INSUL.CLASS	F		
OPP D.E. BEARING	80BC03JPP30A			ENCL	TEFC	CODE	G		
NEMA-NOM-EFF	94.1								
GUARANTEED EFFICIENCY	93								
SER.NO.									
MOTOR WEIGHT									

Nameplate NP2496L			
	MOBIL POLYREX EM		

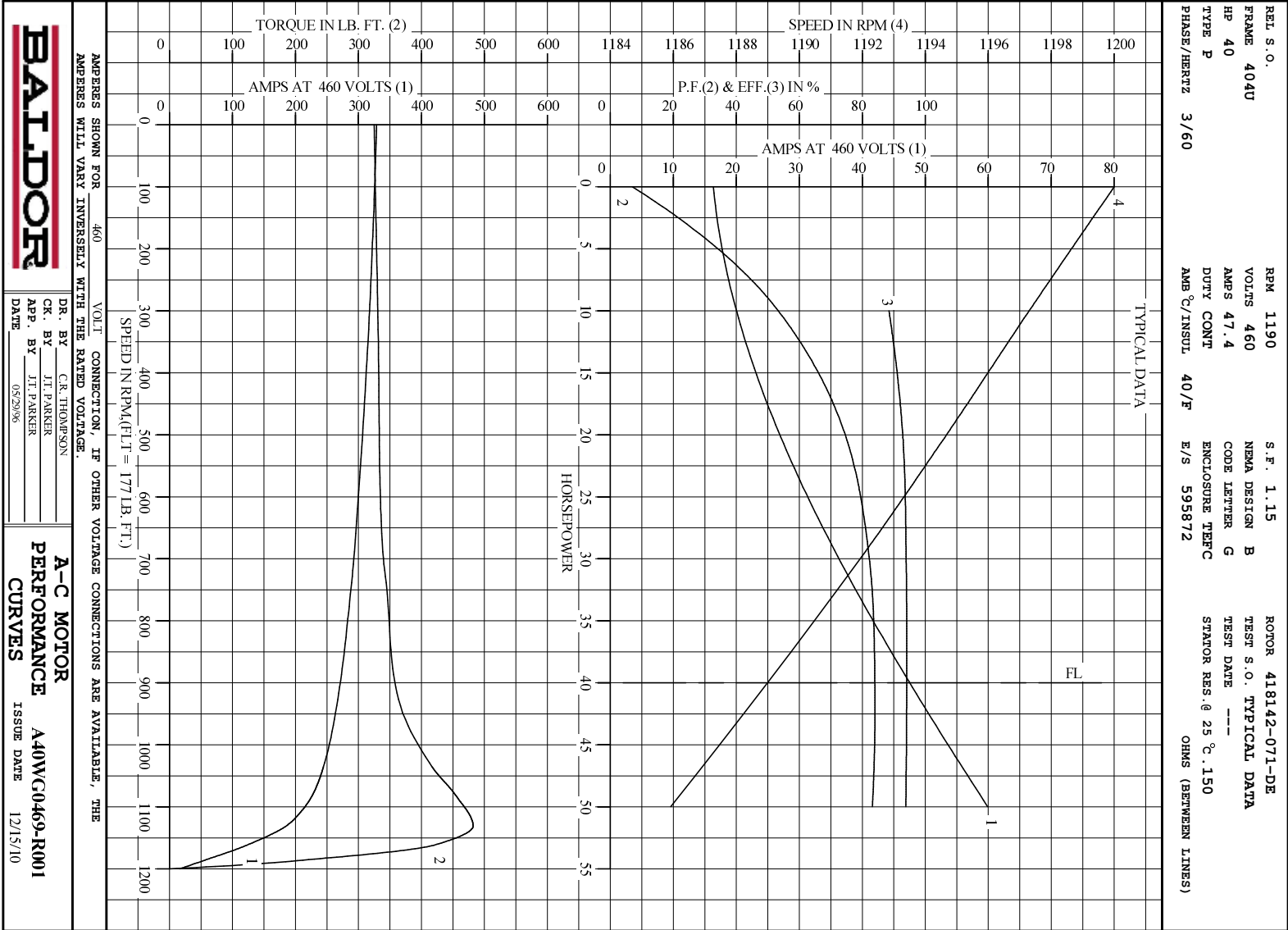
Parts List		
Part Number	Description	Quantity
SA267732	SA P40G3942	1.000 EA
RA254402	RA P40G3942	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2436L	AI, AUTOMOTIVE INDUSTRY, SS,	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
004824015A	GREASE POLYREX EM	0.884 LB
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
034180006DA	KEY 1/4X1/4X3/4 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034692005AA	P PLUG 3/4"BLK.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
078550001H	FAN KB 120/60 (60) 360	1.000 EA
083198101A	G400 STD FAN COVER MACHINING	1.000 EA
089412501A	G400 FIN MACH 6316 FTMT BRKT 89412500WCA	1.000 EA
410700000DA	WAVY SPRING WASHER (400)	1.000 EA
415045002B	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA

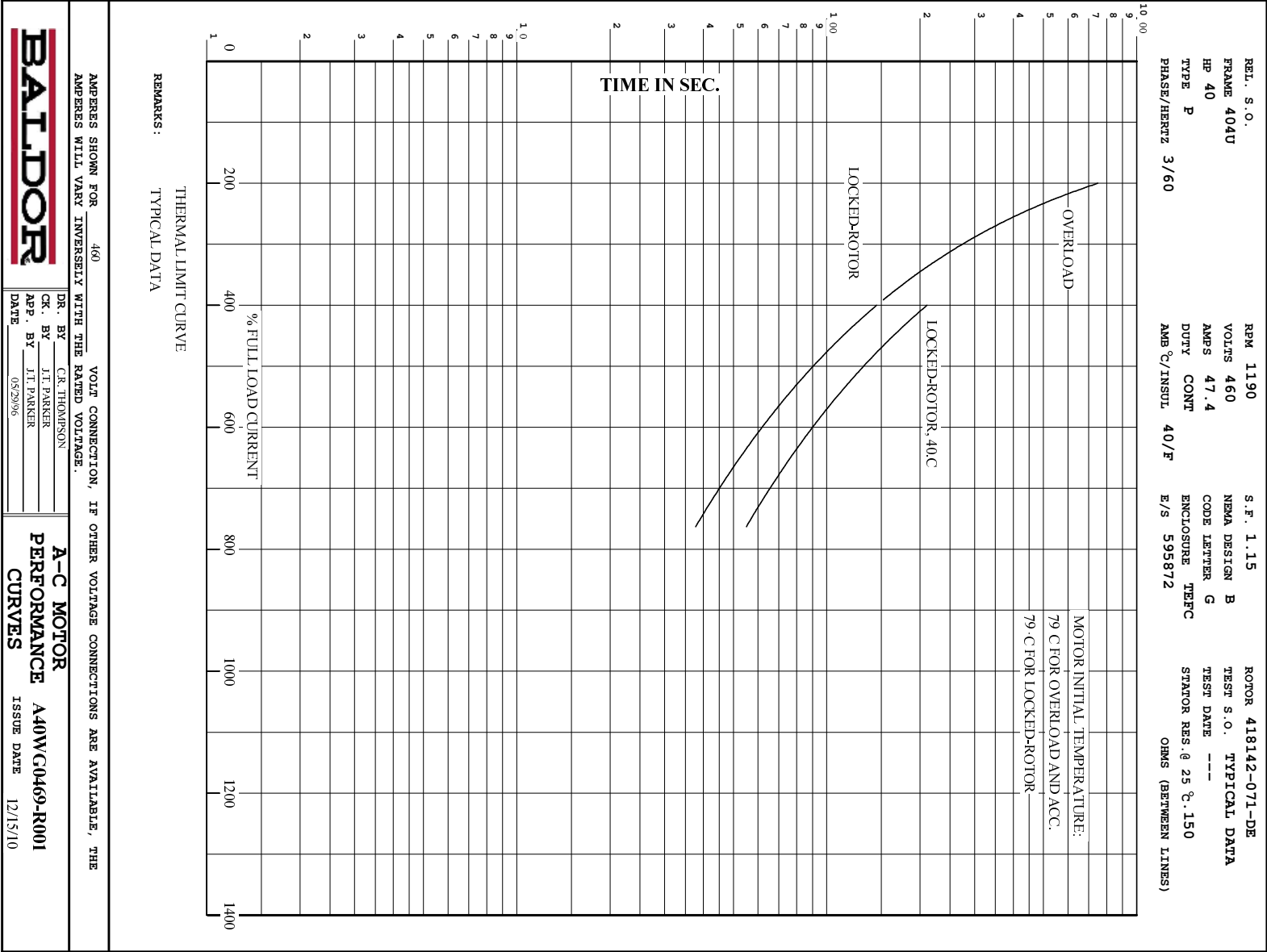
Parts List (continued)		
Part Number	Description	Quantity
412118006A	DRAIN	1.000 EA
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034530040AB	P/NIP 1/8X5 GALV.	1.000 EA
034530040BB	P/NIP 1/4X5	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
089412501A	G400 FIN MACH 6316 FTMT BRKT 89412500WCA	1.000 EA
415045002B	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
412118006A	DRAIN	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
065776000C	TERBD 320-400	1.000 EA
067053000B	GASK 320-400	1.000 EA
076708000BB	C/B - 360	1.000 EA
076709000A	C/B CVR - 360	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
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
034180044HA	KEY 5/8X5/8X5-1/2 L	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
004824003AJD	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.375 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.063 GA
421948051	LABEL, MYLAR	1.000 EA
PK5004A02	WOOD BASE 40X32 STACK 2X4 RUNNER	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
613-6PU	N/P UL CSA LABEL	1.000 EA

Accessories		
Part Number	Description	Multiplier
16-1704	C FACE KIT	A8

Printed on 12/15/10 23:02 @ psecs-motore





DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

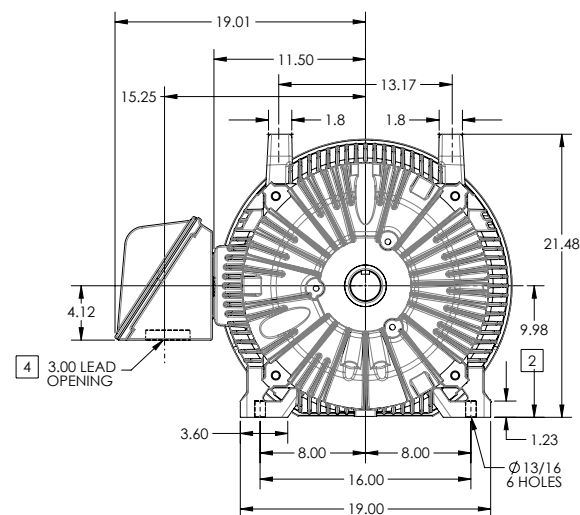
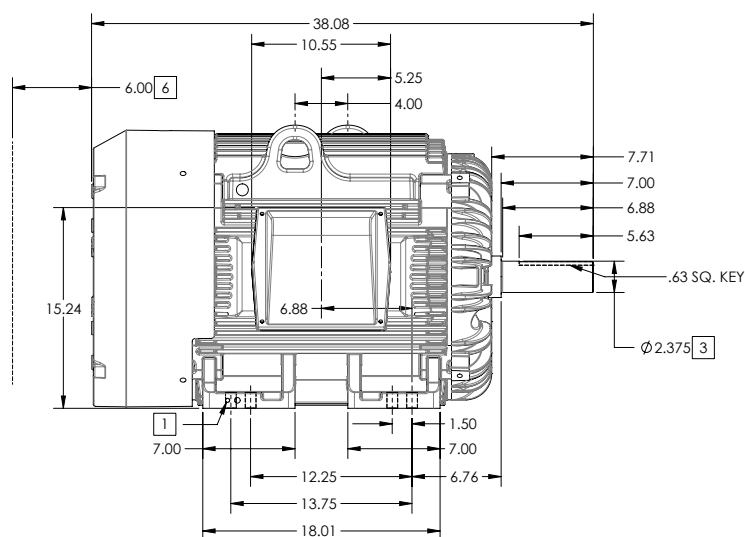
FRAME G405U ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404U FRAME MOUNTING HOLES

U-FRAME/ AUTOMOTIVE DUTY ENCLOSURE



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. 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): 1370

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

001-627219

REV. DESC: CORRECT SHAFT EXTENSION DIMENSIONS

REV: A VERSION: 01

REVISED: 09-28-34 07/18/2013

TDR: 000000800539

MODEL NO. 617429-100

BY: MGHUMZ2

Material:

REF:

G405U/404U STD - FOOTED - U-FRAME AUTOMOTIVE DUTY ENCLOSURE

BALDOR

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

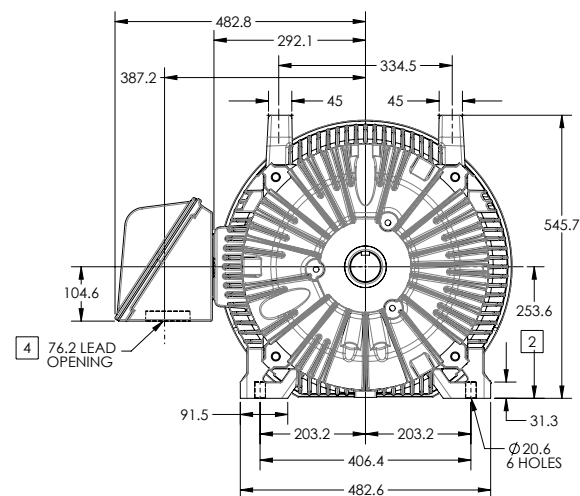
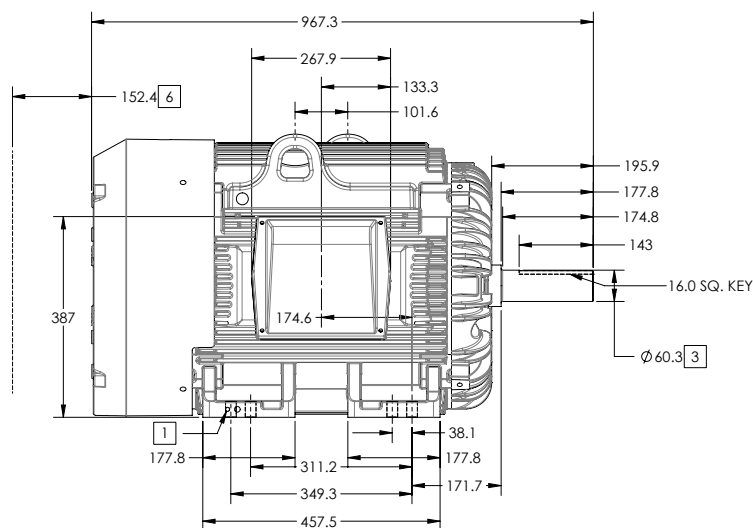
FRAME G405T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404T FRAME MOUNTING HOLES

U-FRAME/ AUTOMOTIVE DUTY ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +0,-1.5
3. VARIES +00,-.03
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. 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): 630

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

001-627219

REV. DESC: CORRECT SHAFT EXTENSION DIMENSIONS

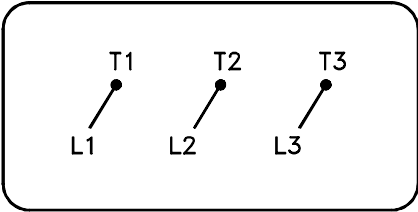
REV: A	VERSION: 01	REVISED: 09-28-34 07/18/2013	TDR: 00000080539
MODEL NO. 617429-100		REF:	
BY: MGHUMZ2		Material:	

BALDOR

G405U/404U STD - FOOTED - U-FRAME AUTOMOTIVE DUTY ENCLOSURE

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	
MTL: -		BY: RAGRA	
			CONN DIAG - STANDARD 3 LEAD
			SH 1 of 1

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<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>