

BALDOR® • RELIANCE

Product Information Packet

ECP84400T-5

100HP,1785RPM,3PH,60HZ,405T,A40064M,TEFC

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40064M	Elec. Spec:	A40WG0080	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617429-511
Frame:	405T	Mounting:	F1	Poles:	04	Created Date:	07-16-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-07-2016
Leads:	3#2					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3237

CAT NO	ECP84400T-5	SPEC NO.	P40G3912		
HP	100	AMPS	89.6	VOLTS	575
FRAME SIZE	405T	RPM	1785	HZ	60
D.E. BRG.DATA	6316	O.D.E. BRG.DATA	6316	PH	3
D.E. BRG.	80BC03J30X	TYPE	P	ENCL	TEFC
O.D.E. BRG.	80BC03J30X	POWER FACTOR	87	CODE	G
3/4 LOAD EFF.	95.7	IP	56	MAX CORR KVAR	18
TEMP CODE	T2D	TEMP	= 215		
CHP HZ	60-90	CT HZ	10-60	VT HZ	0-60
INVERTER-TEMP-CODE	T2D				
SER.NO.		MOTOR WEIGHT	1326		

DESIGN	B		
SF	1.15		
DUTY	CONT	INSUL.CLASS	F
NEMA-NOM-EFFICIENCY	95.4		
GUARANTEED EFFICIENCY	94.5		

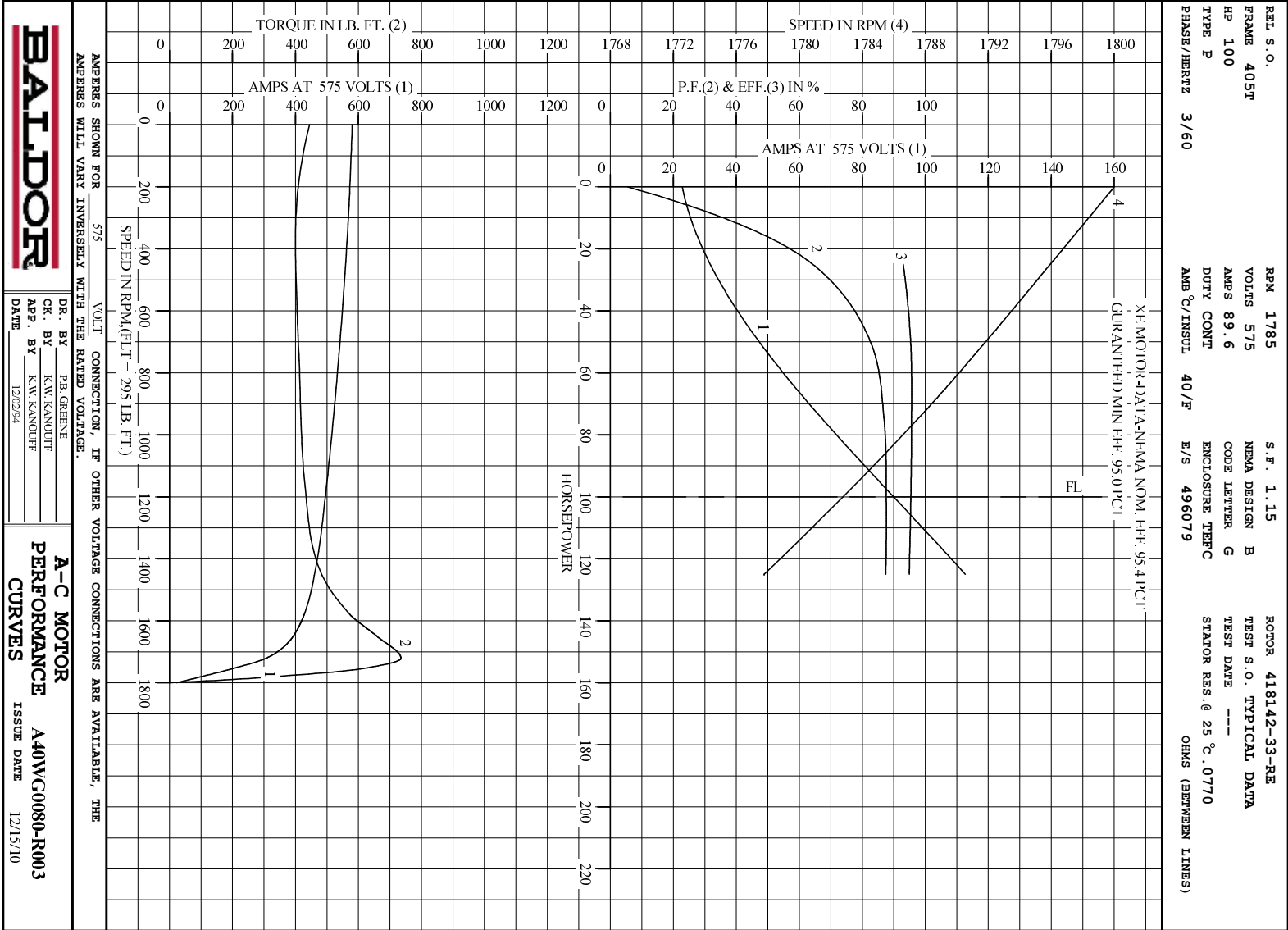
Nameplate 000613007EX			
CAT NO	ECP84400T-5	SPEC NO.	P40G3912
NO. ROTOR BARS	47	GREASE TYPE	POLYREX EM
NO. SLOTS	60	NL AMPS AT RATED VOLTAGE	23.4
5 YEAR WARRANTY		WINDING RES @25 C	.07620
MFG. DATE		SER.NO	

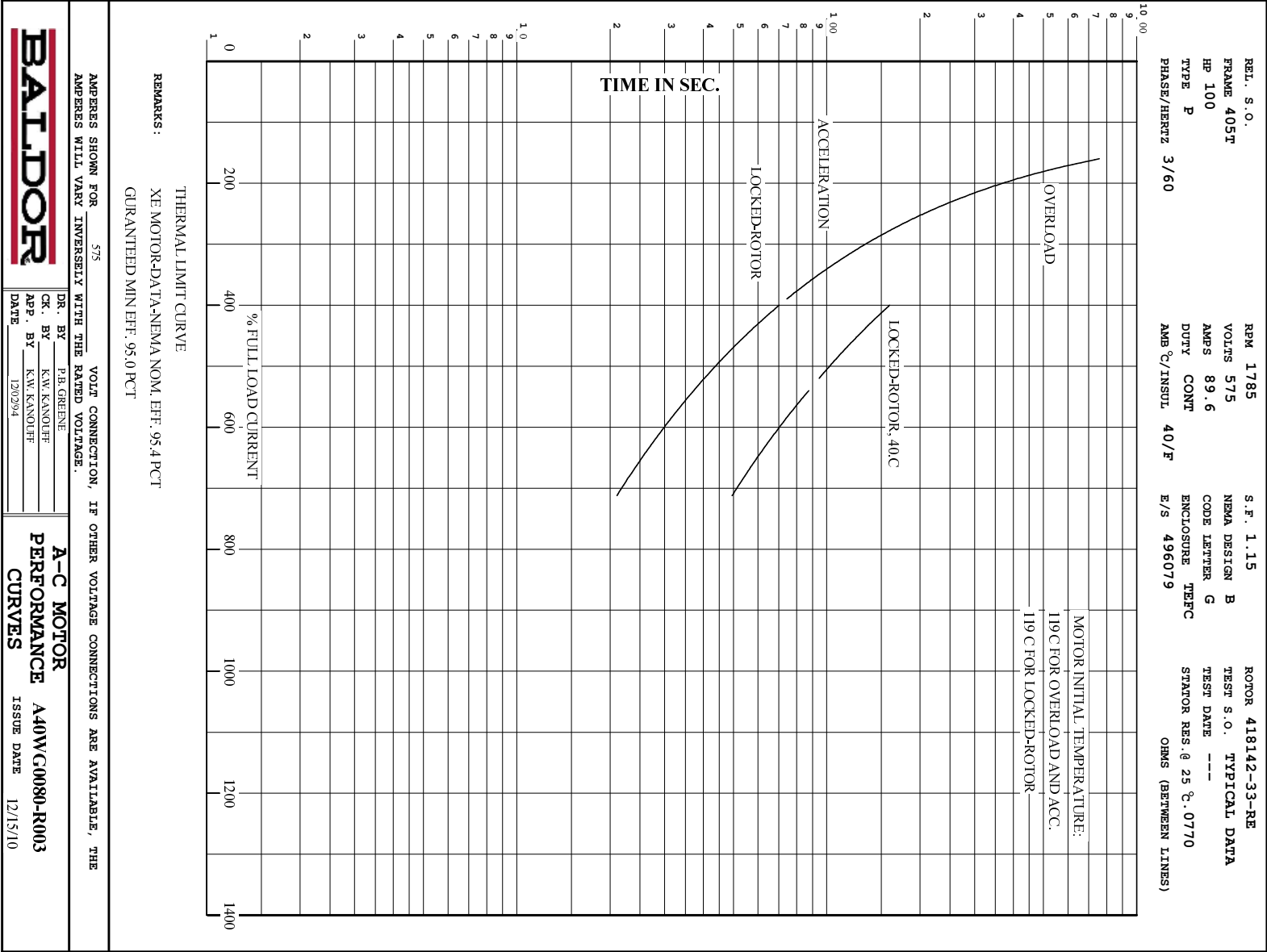
Parts List		
Part Number	Description	Quantity
SA267703	SA P40G3912	1.000 EA
RA254373	RA P40G3912	1.000 EA
NP3237	SS SUPER E INVERTER DUTY IEEE 841	1.000 EA
000613007EX	SS IEEE 841 EMBOSSED AUXILIARY NAMEPLATE	1.000 EA
000692000FF	N/P	1.000 EA
000692000JP	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000692000VH	N/P	1.000 EA
004824015A	GREASE POLYREX EM	0.884 LB
032018008CK	HHCS 3/8-16X1L PLATED	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
034180008DA	KEY 1/4X1/4X1 L (shipping)	1.000 EA
034530052BB	PP NIPP DE GRS F	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
083198101A	G400 STD FAN COVER MACHINING	1.000 EA
034692005AA	P PLUG 3/4"BLK.	1.000 EA
089412501C	G400 MACHD 6316 FT MNT BRKT 089412500WCA	1.000 EA
410700000DA	WAVY SPRING WASHER	1.000 EA
412118006A	DRAIN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
415028021G	SEAL	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 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
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089412501C	G400 MACHD 6316 FT MNT BRKT 089412500WCA	1.000 EA
412118006A	DRAIN	1.000 EA
415028021G	SEAL	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
067053000B	GASK 320-400	1.000 EA
076708000BB	C/B - 360	1.000 EA
076709000A	C/B - 360	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA

415000103H	TERMINAL LUG	1.000 EA
415039016A	TERBD, 360-400	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
034180044JA	KEY 3/4X3/4X5-1/2 L	1.000 EA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.063 GA
482403003BEF	RUST VETO 342	0.013 GA
MG1500G03-5	LACQUER PRIMER, GRAY	0.063 GA
421948051	LABEL, MYLAR	1.000 EA
604797045	STD. 400 FRAME SKID	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.375 GA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 EA

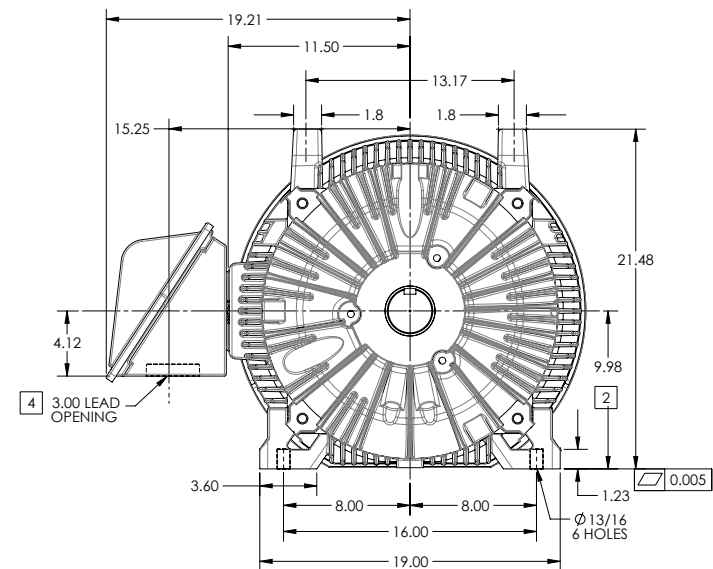
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SQUIRREL-CAGE INDUCTION

841XL ENCLOSURE ENHANCEMENT



- 5 WEIGHT (LBS): 1370

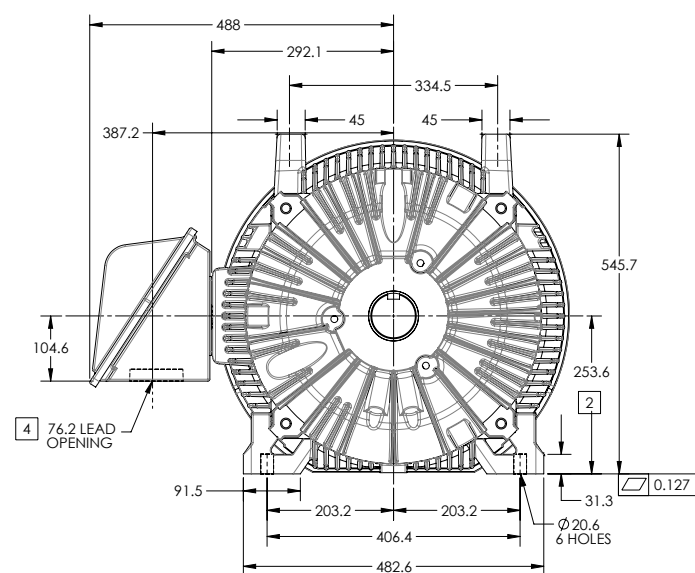
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

BALDOR®

G405T/404T STD – FOOTED – 841XL/ECP SEVERE DUTY ENCLOSURE

SQUIRREL-CAGE INDUCTION

841XL ENCLOSURE ENHANCEMENT



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 ENCRACH 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 .04 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.

REV. DESC: CHANGE BA FROM 6.76 TO 6.62			
REV: B	VERSION: 02	REVISED: 02-36:17 04/14/2014	TDR: 000000848770
MODEL NO. 617429-511			REF:
BY: MGHUMZ2		Material:	

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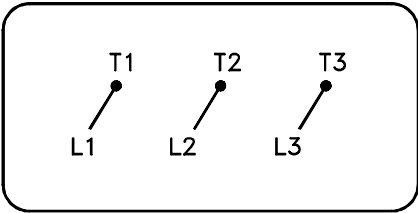
G405T/404T STD - FOOTED - 841XL/ECP SEVERE DUTY ENCLOSURE

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 CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	

Marketing maintained PDF of MN408:

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

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