

BALDOR® • RELIANCE

Product Information Packet

ECP4113T-4

30HP,890RPM,3PH,60HZ,364T,A36050M,TEFC,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36050M	Elec. Spec:	A36WG0998	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-501-SH1
Frame:	364T	Mounting:	F1	Poles:	08	Created Date:	12-04-2013
Base:		Rotation:	R	Insulation:	B	Eff. Date:	06-08-2016
Leads:	3#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L

MOBIL POLYREX EM

Nameplate NP3238

CAT NO	ECP4113T-4	SPEC NO.	A36-5065-0998		
HP	30	AMPS	39.3	VOLTS	460
FRAME	364T	RPM	890	HZ	60
D.E. BRG.DATA	6313	O.D.E. BRG.DATA	6313	PH	3
D.E. BRG.	65BC03J30X	TYPE	P	ENCL	TEFC
O.D.E. BRG.	65BC03J30X	POWER FACTOR	77	CODE	G
3/4 LOAD EFF.	93.0	MAX CORR KVAR	10.0	NEMA NOM EFFICIENCY	92.4
TEMP CODE	T3	TEMP =	200	GUARANTEED EFFICIENCY	91
CHP HZ	60-90	CT HZ	6-60	VT HZ	0-60
INVERTER-TEMP-CODE	T3				
SER.NO.		MOTOR WEIGHT	813		

Parts List		
Part Number	Description	Quantity
SA273158	SA A36-5065-0998	1.000 EA
RA259761	RA A36-5065-0998	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
415072001B	CLAMP	1.000 EA
078559034A	+F/C A 078559001A - 360	1.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
412118006A	DRAIN	1.000 EA
078557001F	FAN KB 110/50 (60) 360	1.000 EA
004824015A	GREASE POLYREX EM	0.540 LB
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
415045002E	SLGR	1.000 EA
410700004F	WSHR	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
415045002E	SLGR	1.000 EA
412118006A	DRAIN	1.000 EA
034530020AB	P/NIP 1/8X2-1/2 PLTED	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
076708000BB	C/B - 360	1.000 EA
065776000C	TERBD 320-400	1.000 EA
076709000A	C/B - 360	1.000 EA
067053000B	GASK 320-400	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415000103H	TERMINAL LUG	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 EA
032509020C	CARRIAGE BOLT - 360	3.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
034530032BB	P/NIP 1/4X4" SCHED 40	1.000 EA

034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 EA

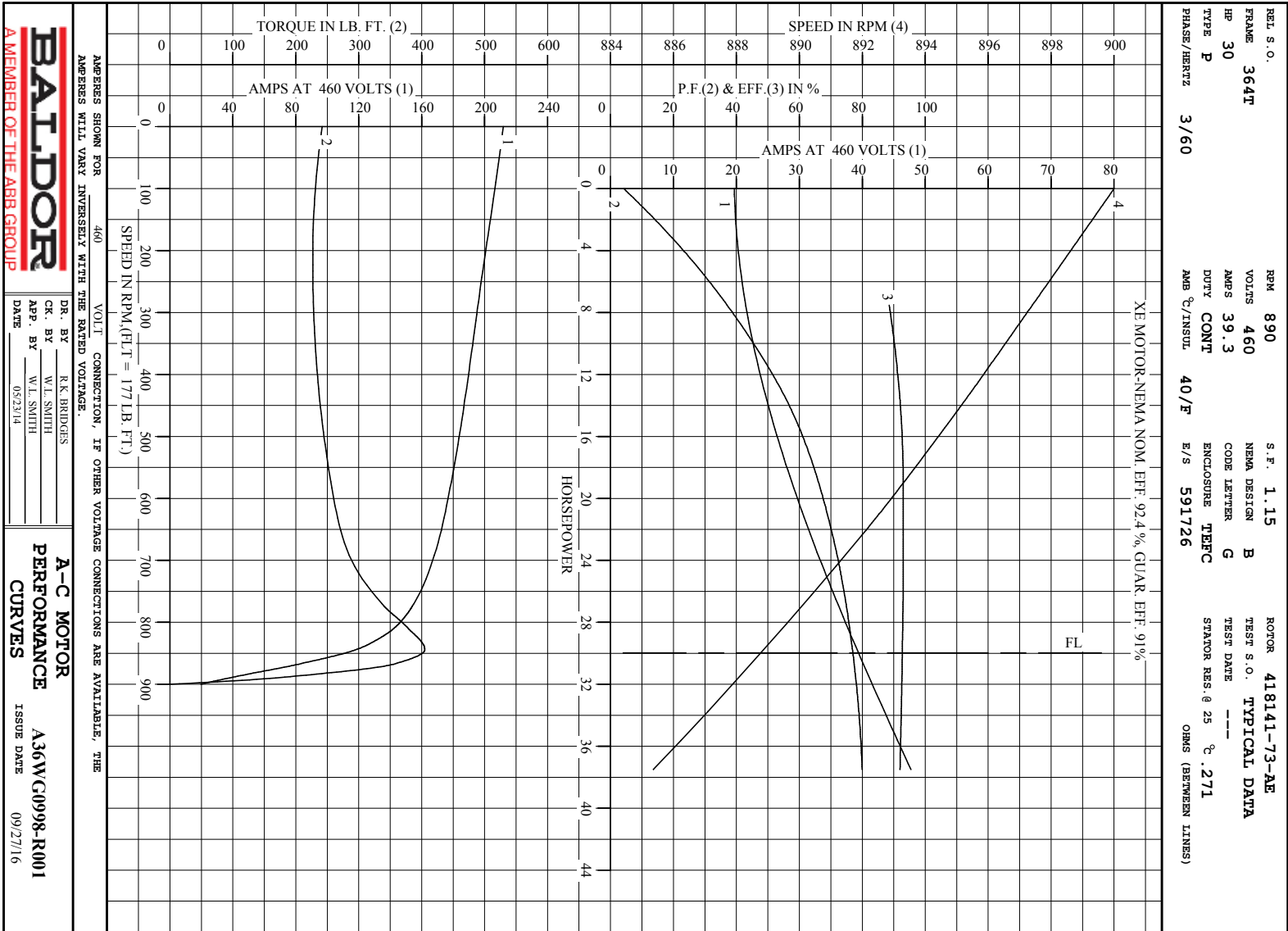
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	30	P	3/60	890	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
39.3	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
591726	418141-73-AE	---	---	.271		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	19.7	900	4.21	0	
1/4	7.52	21.5	897	37.0	88.6	
2/4	15.0	25.7	895	59.1	92.4	
3/4	22.5	32.0	892	70.7	93.0	
4/4	30.0	39.3	889	77.0	92.7	
5/4	37.5	47.8	885	80.0	92.0	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	137	242	212		
PULL UP	213	128	227	200		
BREAKDOWN	844	229	405	118		
FULL LOAD	889	100	177	39.3		

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

REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 92.4 %, GUAR. EFF. 91%

BALDOR A MEMBER OF THE ABB GROUP	DR. BY R.K. BRIDGES	A-C MOTOR PERFORMANCE DATA
	CK. BY W.L. SMITH APP. BY W.L. SMITH DATE 05/23/14	

A36WG0998-R001
ISSUE DATE 09/27/16



Printed on 9/27/16 13:14 @ bengap01.baldor.com

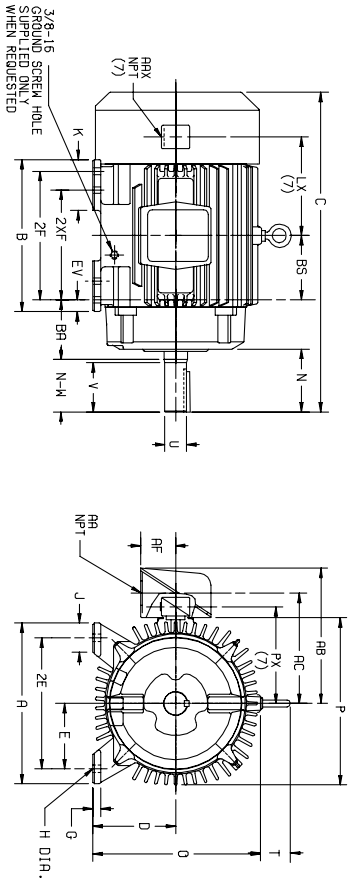
611740-501-SHT

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT
COOLING: FAN COOLED

FRAMES 250T THRU 440T



FRAME	A	D(2)	E	G	H	J	K	O	P	T	AA	AB	AC	AF	AA	LX (7)	PX (7)	BA	EV
254T-256T	12.50	6.25	5.00	.75	.56	2.50	---	13.25	13.25	2.44	1-1/4	10.81	8.81	2.50	3/4	6.88	10.50	4.25	1.00
284T-286T	13.75	7.00	5.50	.75	.56	2.50	---	14.75	14.88	2.44	1-1/2	12.62	10.19	3.00	3/4	6.88	10.50	4.75	1.00
324T-326T	15.50	8.00	6.25	.88	.69	2.75	4.50	16.69	17.00	2.44	2	15.44	11.69	3.62	3/4	8.00	10.50	5.25	1.38
364T-366T	17.00	9.00	7.00	.88	.69	2.75	3.88	18.50	19.50	2.94	3	18.00	13.81	4.12	3/4	8.38	11.62	5.88	1.38
404T-406T	19.00	10.00	8.00	1.12	.81	3.25	4.62	21.31	22.50	2.94	3	19.25	15.06	4.12	3/4	9.62	14.44	6.62	1.13
444T-446T	21.00	11.00	9.00	1.12	.81	3.25	5.25	23.38	25.25	3.25	3	22.19	17.44	6.00	3/4	11.12	15.25	7.50	1.25

(1)	FRAME	C	BS	B	2F	2X ²	N	SHAFT AND KEY			WEIGHT (LBS.)			
								N-(W/6) (U/3)	V	SO. LGTH.				
	254T	24.56	5.00	12.00	---	8.25	4.12	4.00	1.625	3.75	3.75	2.88	335	
	256T	24.56	5.00	12.00	10.00	---	4.12	4.00	1.625	3.75	3.75	2.88	345	
	284T	27.44	5.50	13.00	---	9.50	5.00	4.62	1.875	4.38	5.00	3.25	475	
	284TS	26.06	5.50	13.00	---	---	3.62	3.25	1.625	3.75	3.75	1.88	475	
	286T	27.44	5.50	13.00	11.00	---	5.00	4.62	1.875	4.38	5.00	3.25	490	
	286TS	26.06	5.50	13.00	11.00	---	---	3.62	3.25	1.625	3.75	1.88	490	
	324T	30.44	6.00	14.75	---	10.50	4.12	3.75	2.125	5.00	5.00	3.88	590	
	324TS	28.94	6.00	14.75	---	---	5.62	5.25	2.125	5.00	5.00	2.00	590	
	326T	30.44	6.00	14.75	12.00	---	4.12	3.75	1.875	3.50	5.00	3.88	630	
	326TS	28.94	6.00	14.75	12.00	---	---	5.62	5.25	2.125	5.00	2.00	630	
	364T	33.44	6.12	15.00	---	11.25	6.25	5.88	2.375	5.50	5.00	4.25	865	
	364TS	31.31	6.12	15.00	---	---	---	6.25	5.88	2.375	5.50	2.00	869	
	365TS	33.44	6.12	15.00	12.25	---	6.25	5.88	2.375	5.50	5.00	4.25	890	
	404T	36.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.50	5.62	1210	
	404TS	35.31	6.88	16.00	---	---	4.50	4.25	2.125	4.00	5.00	2.75	1210	
	405TS	38.31	6.88	16.00	13.75	---	12.25	7.50	7.25	2.875	7.00	5.62	1260	
	405TS	35.31	6.88	16.00	13.75	---	---	4.50	4.25	2.125	4.00	5.00	2.75	1250
	444T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	1654	
	444TS	40.88	8.25	19.00	---	---	---	8.94	8.50	3.375	8.25	3.00	1654	
	445T	44.82	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	1860	
	445TS	40.88	8.25	19.00	16.50	---	5.19	4.75	2.375	4.50	6.25	3.00	1844	

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "V" VARIES 250T - 320T +.00, -.03.
360T - 440T +.00, -.06.
- (3) "U" VARIES 1.625 DIA. +.0000, -.0005
1.625 AND LARGER +.000, -.001.
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N-W" VARIES +.00, -.25.
- (7) AUXILIARY CONDUIT BOX SUPPLIED WHEN SPECIFIED CONDUIT BOXES LOCATED ON OPPOSITE SIDE WHEN F-2-W-1, W-4-W-5-W-7, OR C-1 MOUNTING IS SPECIFIED.

FRAME _____ TYPE _____ CERTIFIED FOR _____ RPM _____ PH _____ HZ _____ VOLTS _____
ORDER _____ ITEM _____ HP _____ APPROVED BY _____ DATE _____
SALES ORDER _____

IHS-105-074119

BALDOR • DODGE • RELIANCE
DIM SHT 250T-440T TEFC FT MTG STD T & TS SGL EXT XT

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
REV. DESC: REMOVING TITLEBLOCK
REV. LTR: A VERSION: 01 TDR: 000000448517
FILE: \RAG\00004\525 REVISED: 14:06:59 11/07/2007 BY: CONBPM
MTL: -

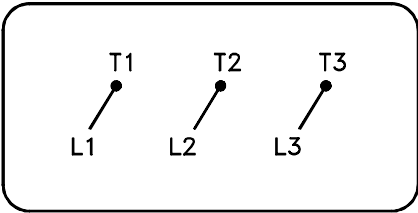
416820-036

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>

Marketing maintained PDF of MN416:

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