

BALDOR® • RELIANCE

Product Information Packet

ECP4315T-4

40HP,890RPM,3PH,60HZ,365T,A36062M,TEFC,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG1042	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-501-SH1
Frame:	365T	Mounting:	F1	Poles:	08	Created Date:	12-13-2013
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	ECP4315T-4	SPEC NO.	A36-5084-1042		
HP	40	AMPS	52	VOLTS	460
FRAME	365T	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.	93.4	MAX CORR KVAR	15.0	NEMA NOM EFFICIENCY	93
TEMP CODE	T3C	TEMP =	160	GUARANTEED EFFICIENCY	91.7
CHP HZ	60-90	CT HZ	6-60	VT HZ	0-60
INVERTER-TEMP-CODE	T3A				
SER.NO.		MOTOR WEIGHT	875		

Parts List		
Part Number	Description	Quantity
SA273559	SA A36-5084-1042	1.000 EA
RA260152	RA A36-5084-1042	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

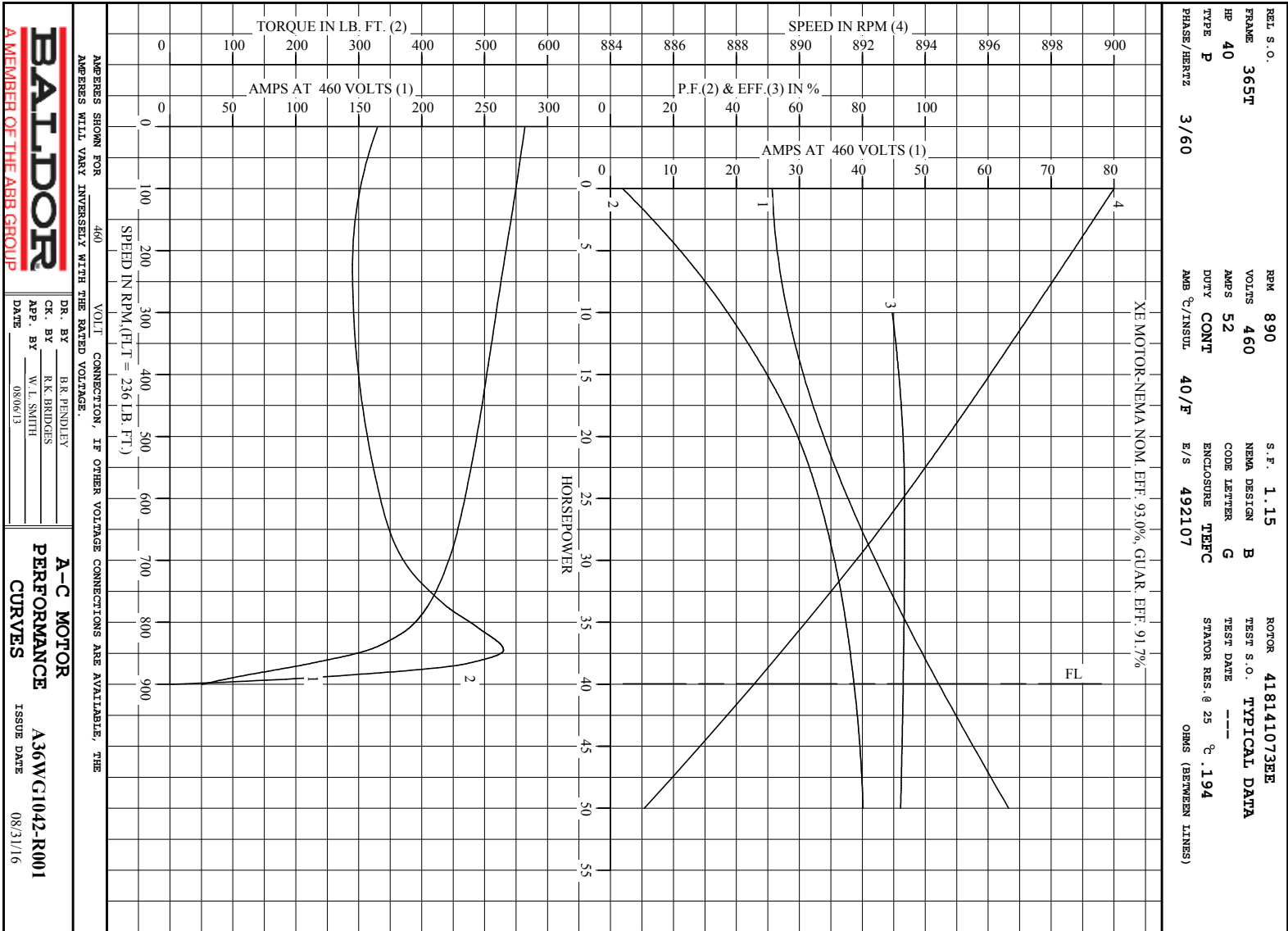
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
032018005DL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

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365T	40	P	3/60	890	460
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
52	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
492107	418141073EE	---	---	.194		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	25.7	900	3.85	0	
1/4	10.0	28.1	897	37.3	89.5	
2/4	20.0	33.9	895	59.5	93.0	
3/4	30.0	42.2	892	71.2	93.4	
4/4	40.0	52.0	889	77.4	93.0	
5/4	50.0	63.3	885	80.2	92.2	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	140	330	282		
PULL UP	225	123	290	265		
BREAKDOWN	845	224	530	157		
FULL LOAD	889	100	236	52.0		

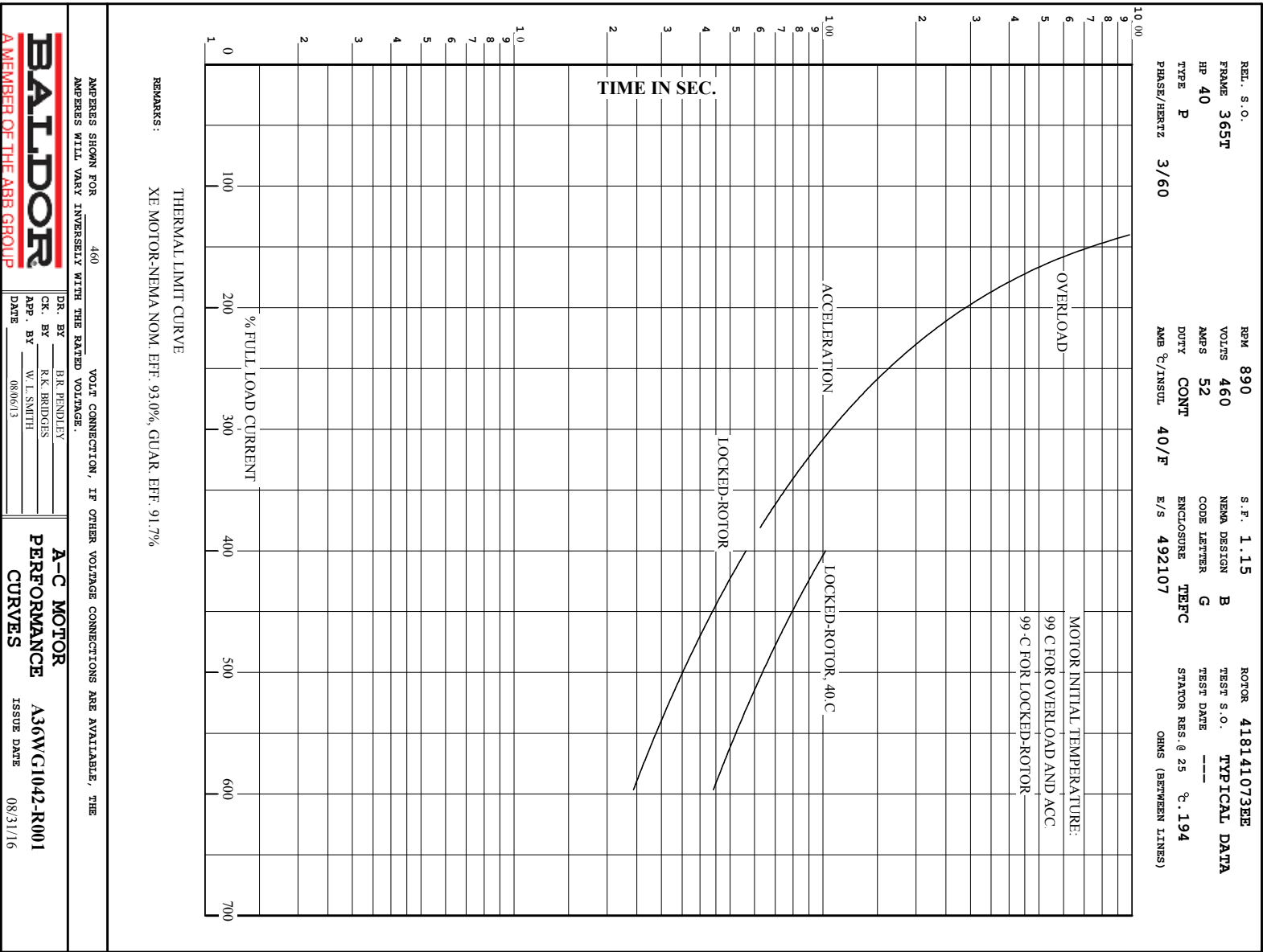
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 93.0%, GUAR. EFF. 91.7%

BALDOR A MEMBER OF THE ABB GROUP	DR. BY	B.R. PENDLEY	A-C MOTOR PERFORMANCE DATA	A36WG1042-R001 ISSUE DATE 08/31/16
	CK. BY	R.K. BRIDGES		
	APP. BY	W.L. SMITH		
	DATE	08/06/13		



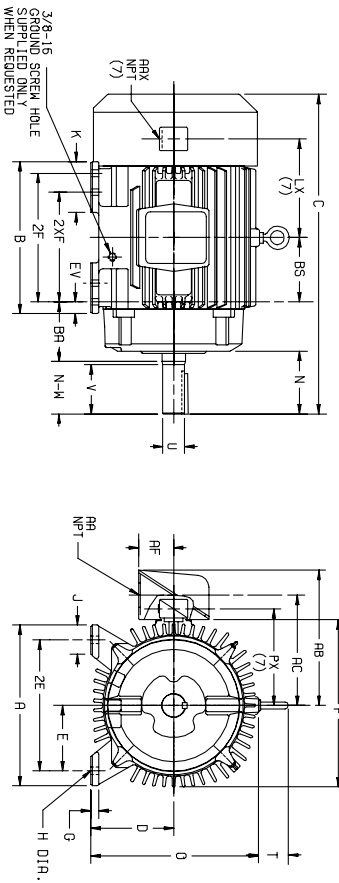
Printed on 8/31/16 8:35 @ bengap01.baldor.com



DUTY MASTER ALTERNATING CURRENT MOTORS

SCIRREL-CAGE INDUCTION
ENCLOSURE: TOTALLY ENCLOSED
CAST IRON CONSTRUCTION
COOLING: FAN COOLED
MOUNTING: FOOT

FRAMES 250T THRU 440T



FRAME	A	D(2)	E	G	H	J	K	O	P	T	CAST IRON TERMINAL BOX								AUX. CONDUIT BOX			EV
											AA	AB	AC	AD	AE	AF	AX (7)	AX (7)	BA	EA		
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	6.31	9.31	4.25	1.00	1.00		
284T-286T5	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	1.00		
324T-326T5	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	1.38		
364T-365T5	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	1.38		
404T-405T5	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	1.13		
444T-445T5	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	1.25		

FRAME	C	BS	B	2F	2X	N	N-W(6)	SHAFT	V	SO.	LGTH.	WEIGHT	
SIZE					(4)		(U/3)	(U/3)		(K)	(IN.)	(LBS.)	
254T	24.56	5.00	12.00	---	---	4.12	4.00	1.625	3.75	3.75	2.88	335	
284T	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	4.62	1.875	4.38	5.00	3.25	475	
284T	27.44	5.50	13.00	---	---	9.50	3.62	1.625	3.00	3.75	1.88	475	
286T	28.06	5.50	13.00	11.00	---	---	5.00	4.62	1.875	4.38	5.00	3.25	490
286T	28.06	5.50	13.00	11.00	---	---	3.62	3.25	1.625	3.00	3.75	1.88	490
324T	30.44	6.00	14.75	---	---	10.50	5.62	5.25	2.125	5.00	3.88	590	
324T	30.44	6.00	14.75	---	---	10.50	4.12	3.75	1.875	3.50	2.00	590	
326T	30.44	6.00	14.75	12.00	---	---	5.62	5.25	2.125	5.00	3.88	630	
364T	28.94	6.00	15.00	12.00	---	---	4.12	3.75	1.875	3.50	3.00	865	
364T	31.31	6.12	15.00	---	---	11.25	6.25	5.88	2.375	5.62	4.25	865	
364T	31.31	6.12	15.00	---	---	11.25	4.12	3.75	1.875	3.50	2.00	865	
365T	31.31	6.12	15.00	12.25	---	---	6.25	5.88	2.375	5.62	4.25	890	
365T	31.31	6.12	15.00	12.25	---	---	4.12	3.75	1.875	3.50	2.00	884	
404T	36.31	6.88	16.00	---	---	12.25	7.50	7.25	2.875	7.00	5.62	1270	
404T	36.31	6.88	16.00	---	---	12.25	4.50	4.25	2.125	4.00	2.75	1211	
405T	36.31	6.88	16.00	13.75	---	---	7.50	7.25	2.875	7.00	5.62	1260	
405T	35.31	6.88	16.00	13.75	---	---	4.50	4.25	2.125	4.00	2.75	1251	
444T	44.62	8.25	19.00	---	---	14.50	8.94	8.50	3.375	8.25	6.88	1670	
444T	40.88	8.25	19.00	---	---	14.50	5.19	4.75	2.375	4.50	3.00	1654	
445T	44.62	8.25	19.00	16.50	---	---	8.94	8.50	3.375	8.25	6.88	1860	
445T	40.88	8.25	19.00	16.50	---	---	5.19	4.75	2.375	4.50	3.00	1844	

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES $\begin{cases} 250T - 320T +0.0, -.03, \\ 360T - 440T +0.0, -.06, \end{cases}$
- (3) "J" VARIES $\begin{cases} HP TO 1.625 DIA. +.0000, -.0005 \\ +.625 AND LARGER +.000, -.001. \end{cases}$
- (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.
- IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
- MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

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

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

REV. DESC: REMOVING TITLEBLOCK	VERSION: 01	TDR: 000000448517
REV. LTR: A	REVISED: 14:06:59 11/07/2007	BY: CONBPM
FILE: \RAG\00004\525		
MTL: -		

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

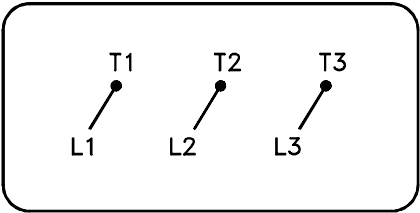
416820-036

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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