

BALDOR® • RELIANCE

Product Information Packet

M4314T-50

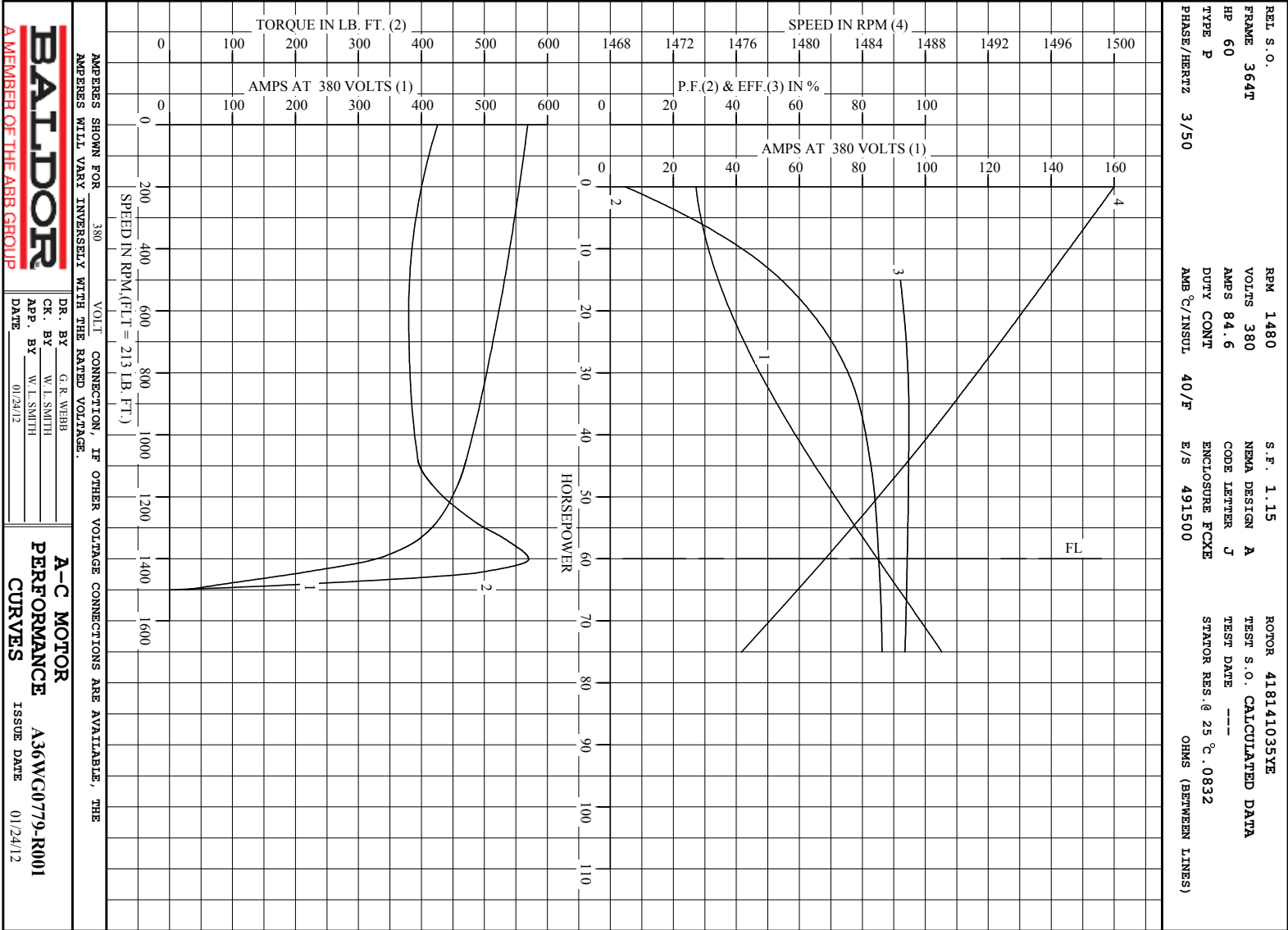
60HP,1465RPM,3PH,50HZ,364T,1462M,TEFC,F1

Part Detail							
Revision:	D	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG0779	CD Diagram:	416820-016
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-001-SH1
Frame:	364T	Mounting:	F1	Poles:	04	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	03-19-2012
Leads:	12#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2294L							
CAT.NO.		SPEC NO.	P36G4672	FRAME	364T		
HP	60	PHASE	3	DESIGN	B	TYPE	P
RPM	1480	HZ	50	AMB	40	SF	1.15
VOLTS	220/380/440	DUTY	CONT	INSUL.CLASS	F		
AMPS	146/84.7/73	ENCL	TEFC	CODE	G		
DRIVE END BEARING	65BC03J30X	NEMA-NOM-EFFICIENCY	94.1				
OPP D.E. BEARING	65BC03J30X						
SER.NO.							
		MOTOR WEIGHT					

Parts List		
Part Number	Description	Quantity
SA206487	SA P36G4672	1.000 EA
RA193754	RA P36G4672	1.000 EA
613-6PU	N/P UL CSA LABLE	1.000 EA
NP2294L	BALDOR RELIANCE INDUSTRIAL MTR,SS,CSA-C	1.000 EA
000901001AA	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
078548001K	FAN KB 100/30 (70) 360	1.000 EA
078559001A	+FANCV - 360	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
410700004F	WSHR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
085922073A	BRKT 360 085922072WCC KB	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
077176000L	C/BOX, PAINTED 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
402731001A	GASK 360-440	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
418150003A	GREASE FITTING CAP	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
421948065R	MYLAR DIAG 3 VOLT D-2, Y-2, Y-1	1.000 EA



REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	60	P	3/50	1480	380
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
84.6	CONT	40/F	1.15	A	J	FCXE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
491500	418141035YE	---	---	.0832		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	27.2	1500	4.76	0	
1/4	15.0	34.1	1496	54.3	92.1	
2/4	30.0	47.6	1491	75.5	94.5	
3/4	45.0	65.0	1487	82.7	94.7	
4/4	60.0	84.6	1482	85.2	94.3	
5/4	75.0	105	1476	86.3	93.5	
SPEED TORQUE						
	RPM	% TORQUE FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	200	426	569		
PULL UP	600	179	380	523		
BREAKDOWN	1401	268	570	326		
FULL LOAD	1482	100	213	84.6		
AMPERES SHOWN FOR 380. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: CALCULATED DATA						
BALDOR A MEMBER OF THE ABB GROUP			DR. BY G. R. WEBB CK. BY W. L. SMITH APP. BY W. L. SMITH DATE 01/24/12		A-C MOTOR PERFORMANCE DATA A36WG0779-R001 ISSUE DATE 01/24/12	

611740-001-SH1

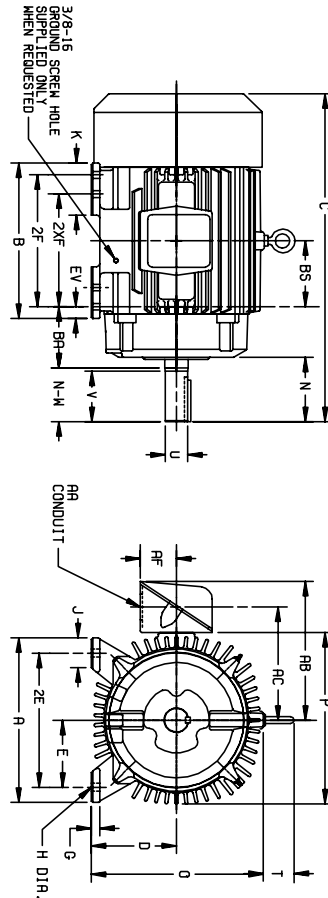
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES 250T THRU 440T



DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

FRAME	A	D(2)	E	G	H	J	K	O	P	T	AA	AB	AC	AF	BA	EV
254T-256T	12.50	6.25	5.00	7.5	5.6	2.50	---	13.25	13.25	2.44	1-1/4	10.75	8.75	2.50	4.25	1.00
264T-266T	13.75	7.00	5.50	---	7.5	5.6	2.50	---	14.75	14.88	2.44	1-1/2	12.75	10.00	3.19	1.00
284T	27.44	5.50	13.00	---	---	---	---	9.50	4.50	16.69	17.00	2.44	1-1/2	12.75	10.00	3.19
324T-326T	13.50	8.00	6.25	8.8	6.8	2.75	4.50	16.69	17.00	2.44	2	15.19	11.44	4.25	5.25	1.38
364T-366T	17.00	9.00	7.00	8.8	6.8	2.75	3.88	18.50	19.50	2.94	3	18.06	14.00	5.38	5.88	1.38
404T-406T	19.00	10.00	8.00	11.2	8.1	3.25	4.62	21.31	22.50	2.94	3	19.31	15.25	5.38	6.62	1.13
444T-446T	21.00	11.00	9.00	11.2	8.1	3.25	5.25	23.38	25.25	3.25	3	23.38	18.12	6.50	7.50	1.25

FRAME	C	BS	B	2F	(4)	N	N-W(6)	U(3)	V	SQ	LGTH	WEIGHT
SIZE												IBS. (5)
254T	24.56	5.00	12.00	---	8.25	4.12	4.00	1.625	3.75	3.75	2.88	305
264T	24.56	5.00	12.00	10.00	---	4.12	4.00	1.625	3.75	3.75	2.88	315
284T	27.44	5.50	13.00	---	9.50	5.00	4.62	1.875	4.50	3.00	3.25	435
284T	26.06	5.50	13.00	---	9.50	3.62	3.25	1.875	4.50	3.00	3.25	435
286T	27.44	5.50	13.00	11.00	---	5.00	4.62	1.875	4.50	3.00	3.25	450
286T	26.06	5.50	13.00	11.00	---	3.62	3.25	1.875	4.50	3.00	3.25	450
324T	30.44	6.00	14.75	---	10.50	5.62	5.25	2.125	5.00	3.00	3.88	540
324T	28.94	6.00	14.75	---	10.50	4.12	3.75	1.875	3.50	3.00	3.00	540
326T	30.44	6.00	14.75	12.00	---	5.62	5.25	2.125	5.00	3.00	3.88	560
326T	28.94	6.00	14.75	12.00	---	4.12	3.75	1.875	3.50	3.00	3.00	560
364T	33.44	6.12	15.00	---	11.25	6.25	5.88	2.375	5.62	3.50	4.25	800
364T	31.31	6.12	15.00	---	11.25	4.12	3.75	1.875	3.50	3.00	2.00	794
366T	33.44	6.12	15.00	12.25	---	6.25	5.88	2.375	5.62	3.50	4.25	834
366T	31.31	6.12	15.00	12.25	---	4.12	3.75	1.875	3.50	3.00	2.00	834
404T	38.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	4.00	5.62	1120
404T	36.31	6.88	16.00	---	12.25	4.50	4.25	2.125	4.00	3.00	2.75	1111
406T	38.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	4.00	5.62	1160
406T	36.31	6.88	16.00	13.75	---	4.50	4.25	2.125	4.00	3.00	2.75	1151
406T	38.31	6.88	16.00	---	14.50	8.94	8.50	3.375	8.25	4.50	6.88	1540
444T	44.62	8.25	19.00	---	14.50	5.19	4.75	3.375	8.25	4.50	6.88	1750
444T	40.88	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	4.50	6.88	1750
446T	44.62	8.25	19.00	16.50	---	5.19	4.75	3.375	8.25	4.50	6.88	1714
446T	40.88	8.25	19.00	16.50	---	5.19	4.75	3.375	8.25	4.50	6.88	1714

(1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.

(2) "D" VARIES — 250T + 0.00, -0.03
— 360T - 440T + 0.00, -0.06.(3) "U" VARIES — UP TO 1.625 DIA. + 0.000, -0.005
— 1.625 AND LARGER + 0.00, -0.01.

(4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.

(5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

(6) "N-W" VARIES + 0.0, -0.25.

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

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TITLE SHEET 2

REV. LTR: B

VERSION: 02

TDR: 000000498266

FILE: \RAG\00000\167

REVISED: 07:05:46 04/29/2009

MTL: —

BY: RAGEC

Baldor • Dodge • Reliance

DIM SHEET 250T THRU 440T

SH 1 of 1

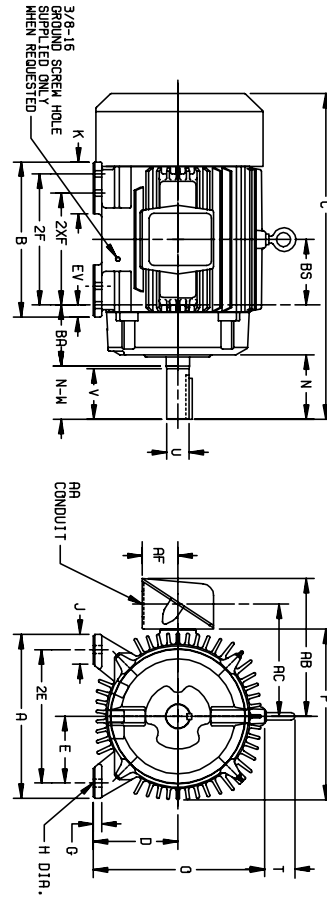
611740-001-SH1

611740-001-SH2

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTIONENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES 250T THRU 440T



DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

FRAME	A	D/2	E	G	H	J	K	O	P	T	AA/D	AB	AC	AF	BA	EV
254T-256T	317.5	158.8	127.0	19.0	14.2	63.5	--	336.5	336.5	62.0	-1/4	273.0	222.3	63.5	108.0	25.4
264T-266T	349.2	177.8	139.7	19.0	14.2	63.5	--	374.6	376.0	62.0	-1/2	323.8	254.0	81.0	120.7	25.4
324T-326TS	393.7	203.2	158.8	22.4	17.5	69.9	114.3	423.9	431.8	62.0	2	385.8	290.6	108.0	133.3	35.1
364T-365TS	431.8	228.6	177.8	22.4	17.5	69.9	98.6	469.9	492.3	74.7	3	456.7	355.6	136.7	149.4	35.1
404T-405TS	482.6	254.0	203.2	28.4	20.6	82.5	117.3	541.3	571.5	74.7	3	490.5	387.3	136.7	168.1	28.7
444T-445TS	533.4	279.4	228.6	28.4	20.6	82.5	133.3	593.9	641.3	82.5	3	593.9	460.2	165.1	190.5	31.7

(1)	FRAME	C	BS	B	ZF	(4)	N	N-W(6)	U(3)	V	SC	LGTH	WEIGHT KGS. (5)
	254T	623.8	127.0	304.8	---	209.6	104.6	41.27	95.3	9.52	73.2	138	
	264T	623.8	127.0	304.8	254.0	---	104.6	101.6	41.27	95.3	9.52	73.2	142
	284T	697.0	139.7	330.2	---	241.3	127.0	117.3	47.63	11.3	12.70	82.5	197
	284TS	661.9	139.7	330.2	---	241.3	91.9	82.5	41.27	76.2	9.52	47.8	197
	286T	697.0	139.7	330.2	279.4	---	127.0	117.3	47.63	11.3	12.70	82.5	204
	286TS	661.9	139.7	330.2	279.4	---	91.9	82.5	41.27	76.2	9.52	47.8	204
	324T	773.2	152.4	374.6	---	266.7	142.7	133.3	53.97	12.70	12.70	98.6	244
	324TS	735.1	152.4	374.6	---	266.7	104.6	95.3	47.63	88.9	12.70	50.8	263
	326T	773.2	152.4	374.6	304.8	---	142.7	133.3	53.97	12.70	12.70	98.6	263
	326TS	735.1	152.4	374.6	304.8	---	104.6	95.3	47.63	88.9	12.70	50.8	263
	364T	849.4	155.4	381.0	---	285.7	158.8	149.4	60.33	14.27	15.88	108.0	362
	364TS	795.3	155.4	381.0	---	285.7	104.6	95.3	47.63	88.9	12.70	50.8	360
	365T	849.4	155.4	381.0	---	285.7	158.8	149.4	60.33	14.27	15.88	108.0	362
	365TS	795.3	155.4	381.0	---	285.7	104.6	95.3	47.63	88.9	12.70	50.8	360
	404T	973.1	174.8	406.4	---	311.1	190.5	184.1	73.02	17.78	19.05	142.7	508
	404TS	896.9	174.8	406.4	---	311.1	114.3	108.0	53.97	10.16	12.70	69.9	503
	405T	973.1	174.8	406.4	349.2	---	190.5	184.1	73.02	17.78	19.05	142.7	526
	405TS	896.9	174.8	406.4	349.2	---	114.3	108.0	53.97	10.16	12.70	69.9	522
	444T	1133.3	209.6	482.6	---	368.3	227.1	215.9	85.72	20.96	22.22	174.8	698
	444TS	1038.4	209.6	482.6	---	368.3	131.8	120.7	60.33	11.43	15.88	76.2	691
	445T	1133.3	209.6	482.6	419.1	---	227.1	215.9	85.72	20.96	22.22	174.8	784
	445TS	1038.4	209.6	482.6	419.1	---	131.8	120.7	60.33	11.43	15.88	76.2	777

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2-W-1,
W-4-W-5-W-7, OR C-1 MOUNTING IS SPECIFIED.
- (2) "D" VARIES — 250T - 320T +0, -8.
360T - 440T +0, -1.5.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT
FACTORY.
- (3) "U" VARIES — 41.27 AND LARGER +0.0, -0.3
UP TO 41.27 DIA. +0.00, -0.13
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED
AT END OF STD. SHAFT EXTENSION IS .05 T.I.R. UP TO
AND INCLUDING 41.27 DIA. AND .08 T.I.R. 41.27 DIA.
TO 127.00 MILL. DIA.
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL
MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N-W" VARIES +0, -6.4.
- (7) DIMENSIONS ARE IN INCHES.

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

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TITLE

REV. LTR: B

VERSION: 02

TDR: 000000498266

FILE: \RAG\00000\168

REVISED: 14:03:30 04/28/2009

MTL: -

BY: RAGEC

Baldor • Dodge • Reliance

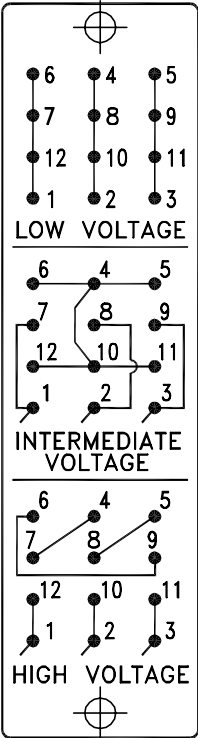
DIM SHEET 250T THRU 440T METRIC

SH 1 of 1

611740-001-SH2

416820-016

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 12 LEAD TWO CIRCUIT DELTA
 TWO CIRCUIT WYE
 SINGLE CIRCUIT DELTA



(N.P. 1767-1-AC)

416820-016

REV. DESC: LOADED TO BUS, LOADED TO BUS			BALDOR	
REV. LTR: -	VERSION: 00	TDR: 000000538207		
FILE: \MGA\00000\669		REVISED: 11:11:45 04/30/2010	CONN DIAG - STD 12 LEAD, 2 CIR DELTA, 2 CIR WYE, 1 CIR DELTA	
MTL: -		BY: RAGRA	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>