

BALDOR® • RELIANCE

Product Information Packet

EM2555T-CI

100HP,1785RPM,3PH,60HZ,404T,ODP,FOOT,

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40052M	Elec. Spec:	A40WG0707	CD Diagram:	416820-002
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	611750-501
Frame:	404T	Mounting:	F1	Poles:	04	Created Date:	02-03-2011
Base:		Rotation:	R	Insulation:	B	Eff. Date:	11-03-2014
Leads:	3#2,6#4					Replaced By:	
Literature:		Elec. Diagram:					

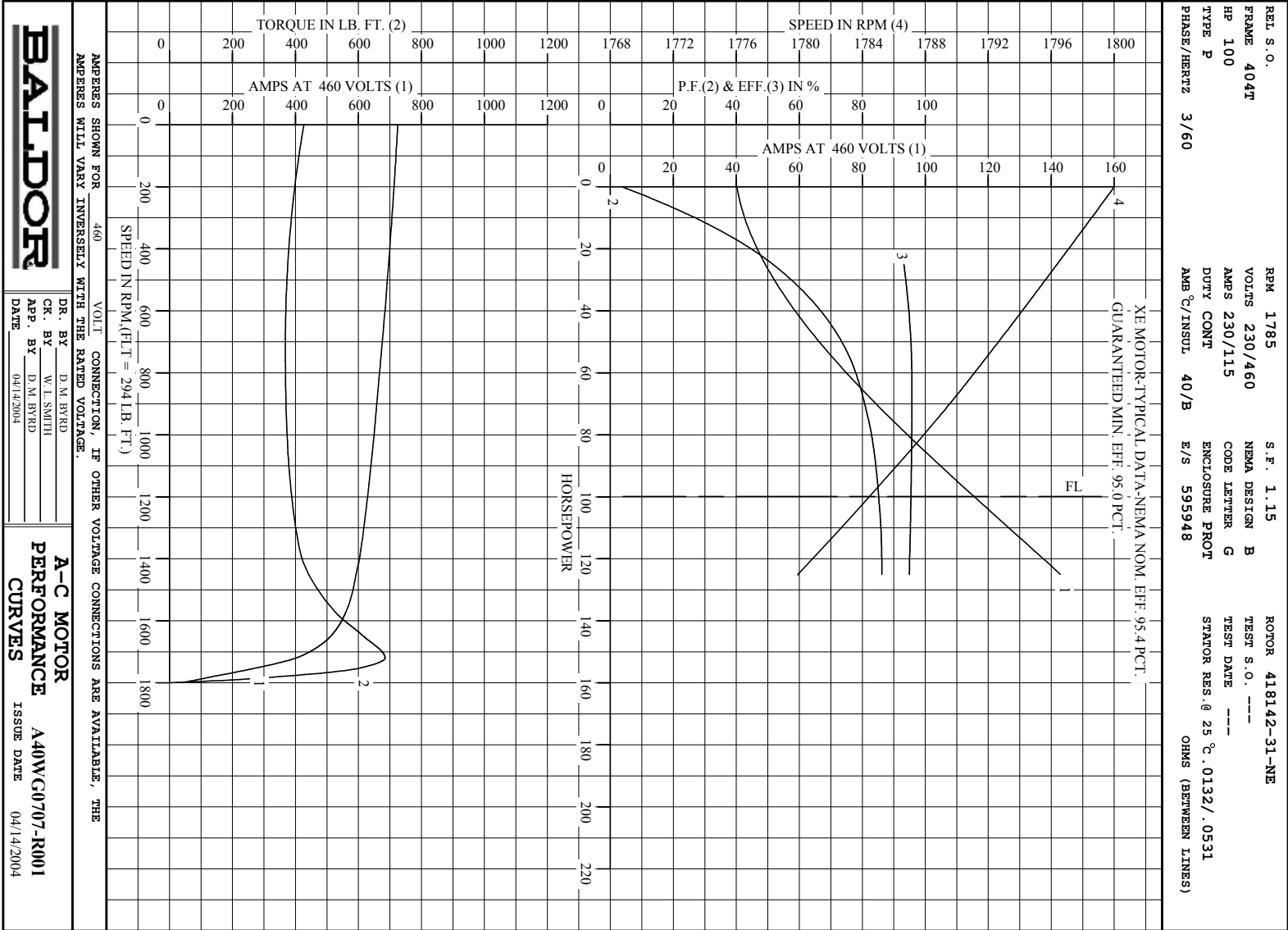
Nameplate NP2383L									
CAT.NO.	EM2555T-CI	SPEC NO.	P40G297						
HP	100	AMPS	230/115	VOLTS	230/460	DESIGN	B		
FRAME	404T	RPM	1785	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	80BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	B		
OPP D.E. BEARING	80BC03J30X	TYPE	P	ENCL	DP	CODE	G		
SER.NO.		POWER FACTOR	85	NEMA-NOM-EFFICIENCY	95.4				
		MAX CORR KVAR	20.0	GUARANTEED EFFICIENCY	95.0				
NEMA NOM/CSA QUOTED EFF									
		MOTOR WEIGHT							

Parts List		
Part Number	Description	Quantity
SA216611	SA P40G297	1.000 EA
RA203796	RA P40G297	1.000 EA
613-6PU	N/P UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	1.000 LB
032018010AK	HHCS 1/4-20X1-1/4L PLTD.	4.000 EA
032018020DK	HHCS 1/2-13X2-1/2 PLTD.	2.000 EA
032018026DK	HHCS 1/2-13X3-1/4L PLTD.	2.000 EA
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089407052A	BRKT 400 089407052WCB KB	1.000 EA
089407052A	BRKT 400 089407052WCB KB	1.000 EA
405851012AD	SPACE	4.000 EA
410700000DA	WAVY SPRING WASHER (400)	1.000 EA
702609001A	BAFFL 400 SUB PAINT	1.000 EA
032018010AK	HHCS 1/4-20X1-1/4L PLTD.	4.000 EA
032018020DK	HHCS 1/2-13X2-1/2 PLTD.	2.000 EA
032018026DK	HHCS 1/2-13X3-1/4L PLTD.	2.000 EA
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
405851012AD	SPACE	4.000 EA
702609001A	BAFFL 400 SUB PAINT	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
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
048897010DH	BUSH - 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
065776000C	TERBD 320-400	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
034180044JA	KEY 3/4X3/4X5-1/2 L	1.000 EA
004824003AJD	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.031 GA
N424003609DBA	LEAD SET 2-1/4-1 AWG 6-DB 400 FR 60 IN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
PK5004A02	WOOD BASE 40X32 STACK 2X4 RUNNER	1.000 EA

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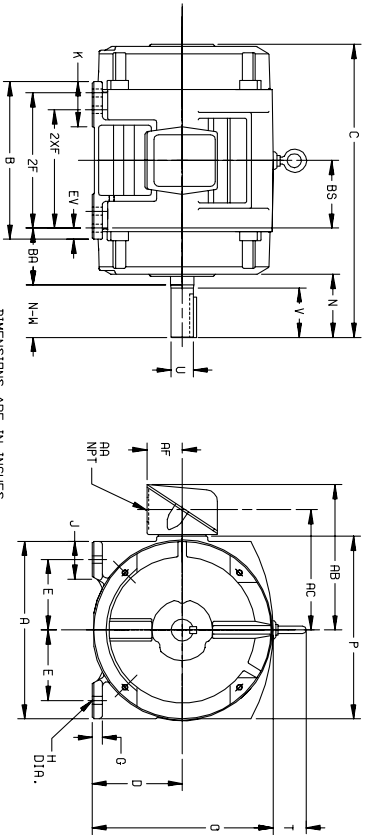
611750-501

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUARE-FLANGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

FRAMES 250T THRU 440T

COOLING: SELF-VENTILATED



DIMENSIONS ARE IN INCHES

FRAME	A	DIG	E	G	H	J	K	L	P	T	AA	AB	AC	AF	BA	EV
254T-256T	12.50	6.65	5.00	6.9	5.6	2.25	3.50	12.61	12.69	2.44	1-1/4	10.25	8.25	2.50	4.25	6.2
284T-286T	14.00	7.00	5.50	7.5	5.6	2.75	3.75	14.12	14.31	2.44	1-1/2	12.06	9.62	3.19	4.75	1.00
324T-326T	15.75	8.00	6.25	8.8	6.9	3.12	4.00	16.10	16.42	2.44	2	14.75	11.00	3.62	5.25	1.00
364T-366T	17.00	9.00	7.00	8.8	6.9	3.00	3.62	18.30	19.56	2.94	3	18.00	13.81	4.12	5.88	1.00
404T-406T	19.00	10.00	8.00	11.2	8.1	3.25	4.75	20.56	21.81	2.94	3	19.00	14.81	3.12	6.62	1.12
444T-446T	21.00	11.00	9.00	11.2	8.1	3.25	5.25	22.91	23.62	3.25	3	21.44	16.69	5.00	7.50	1.25

FRAME	C	BS	B	2F	2XF	N	N-W(6)	U(3)	V	S.O.	LGTH.	WEIGHT
254T	22.44	5.00	11.25	---	8.25	4.25	4.00	1.625	3.75	3.75	2.75	26.5
256T	22.44	5.00	11.25	---	8.25	4.25	4.00	1.625	3.75	3.75	2.75	27.5
284T	24.94	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	5.00	3.25	34.0
286T	24.94	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	5.00	3.25	37.0
286T	23.56	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	5.00	3.25	37.0
286T	23.56	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	5.00	3.25	37.0
324T	27.56	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	5.00	3.75	48.0
324T	27.56	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	5.00	3.75	48.0
326T	27.56	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	5.00	3.75	52.0
326T	26.06	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	5.00	3.75	52.0
364T	29.70	6.12	14.25	---	11.25	6.12	5.88	2.375	5.62	6.25	4.25	73.5
364T	29.70	6.12	14.25	---	11.25	6.12	5.88	2.375	5.62	6.25	4.25	73.5
365T	27.56	6.12	14.25	---	11.25	6.12	5.88	2.375	5.62	6.25	4.25	77.5
365T	27.56	6.12	14.25	---	11.25	6.12	5.88	2.375	5.62	6.25	4.25	77.5
404T	34.00	6.88	16.00	---	12.25	7.62	7.25	2.875	7.00	7.50	5.50	104.5
404T	34.00	6.88	16.00	---	12.25	7.62	7.25	2.875	7.00	7.50	5.50	104.5
405T	34.00	6.88	16.00	---	12.25	7.62	7.25	2.875	7.00	7.50	5.50	108.5
405T	34.00	6.88	16.00	---	12.25	7.62	7.25	2.875	7.00	7.50	5.50	108.5
444T	39.56	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	179.5
444T	39.56	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	179.5
445T	39.56	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	179.5
445T	35.81	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	177.0

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
(2) "P" VARIES - 250T - 320T +.00, -.03
(3) "U" VARIES +.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.
- FRAME- TYPE- CERTIFIED FOR-
ORDER- ITEM- HP- RPM- PH- HZ VOLTS
SALES ORDER- APPROVED BY- DATE

105-057119

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

REV. DESC: LOADED TO BUS	VERSION: 01	TDR: 000000546464
REV. LTR: A	REVISED: 03:18:49 06/22/2010	BY: RAGH2T
FILE: \RAG\00009\279		
MTL: -		

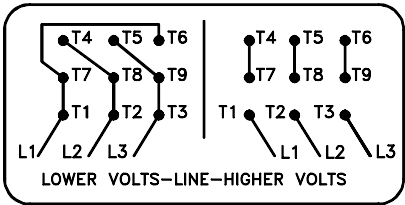
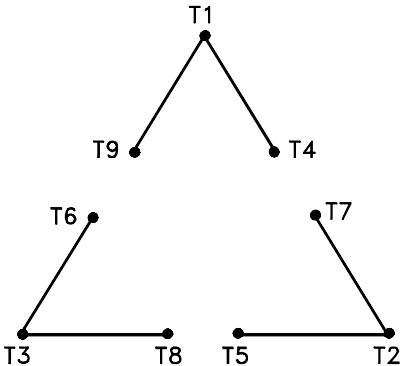
BALDOR

DIM SHT-250T-440T

SH 1 of 1

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR	
REV. LTR: -	VERSION: 00	TDR: 000000538207		
FILE: \MGA\00000\661		REVISED: 10: 47: 51 04/30/2010	CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED	
MTL: -		BY: RAGRA	SH 1 of 1	