

BALDOR® • RELIANCE

Product Information Packet

EM2559T-4CI

125HP,1785RPM,3PH,60HZ,405T,ODP,FOOT,

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40064M	Elec. Spec:	A40WG0248	CD Diagram:	416820-036
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	611750-501
Frame:	405T	Mounting:	F1	Poles:	04	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	B	Eff. Date:	02-17-2015
Leads:	3#4 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

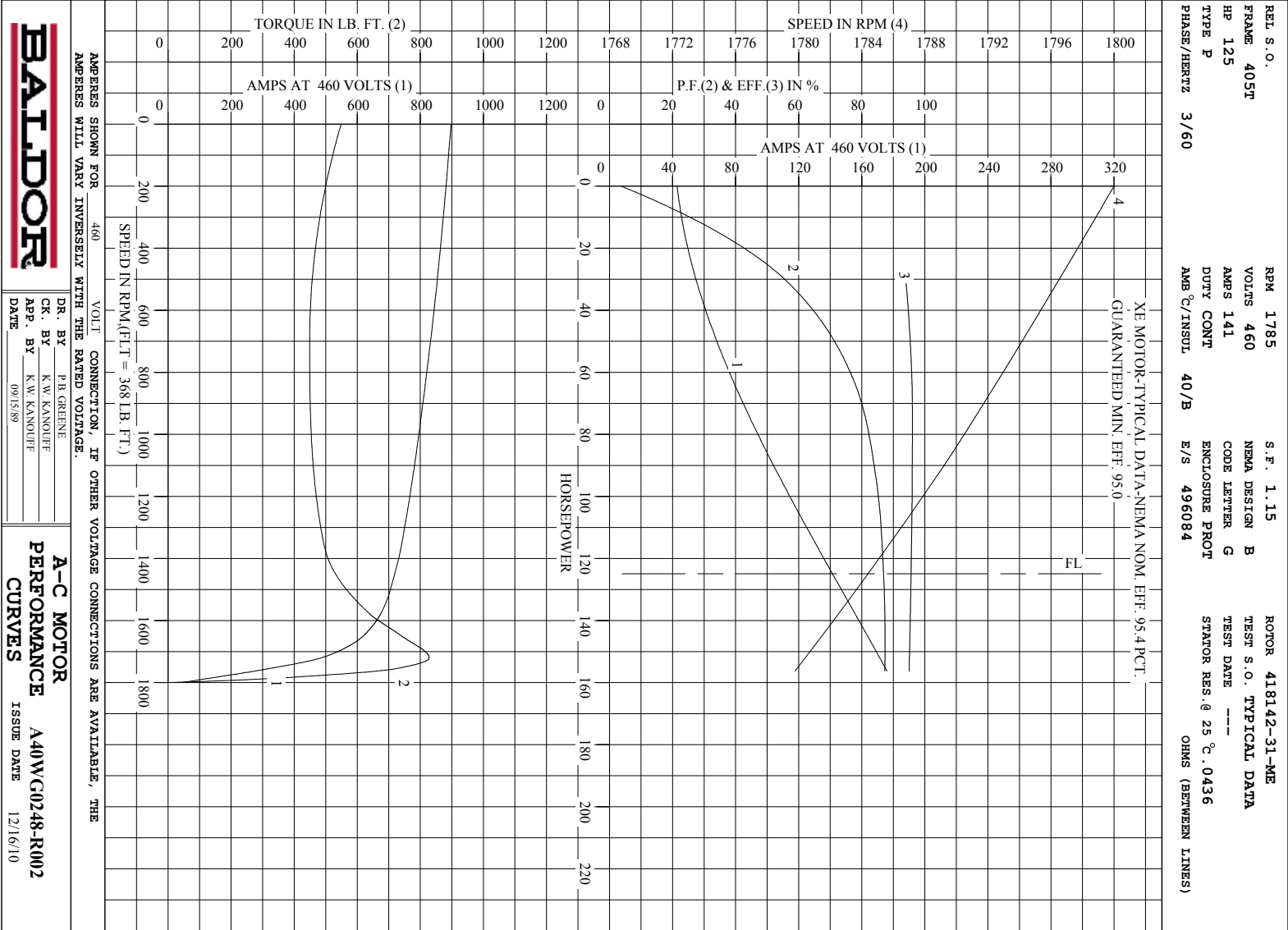
CAT.NO.	EM2559T-4CI	SPEC NO.	P40G298
HP	125	AMPS	141
FRAME	405T	RPM	1785
DRIVE END BEARING	80BC03J30X	HZ	60
OPP D.E. BEARING	80BC03J30X	AMB	40
SER.NO.		SF	1.15
		INSUL.CLASS	B
		PHASE	3
		DUTY	CONT
		TYPE	P
		ENCL	DP
		CODE	G
		POWER FACTOR	87
		NEMA-NOM-EFFICIENCY	95.4
		MAX CORR KVAR	25.0
		GUARANTEED EFFICIENCY	95.0
NEMA NOM/CSA QUOTED EFF		MOTOR WEIGHT	1118

Parts List		
Part Number	Description	Quantity
SA209227	SA P40G298	1.000 EA
RA196489	RA P40G298	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	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	1.000 EA
089407052A	BRKT 400 089407052WCB	1.000 EA
702609001A	BAFFL 400 SUB PAINT	1.000 EA
410700000DA	WAVY SPRING WASHER	1.000 EA
702609001A	BAFFL 400 SUB PAINT	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 EA
032018026DK	HHCS 1/2-13X3-1/4L PLTD.	2.000 EA

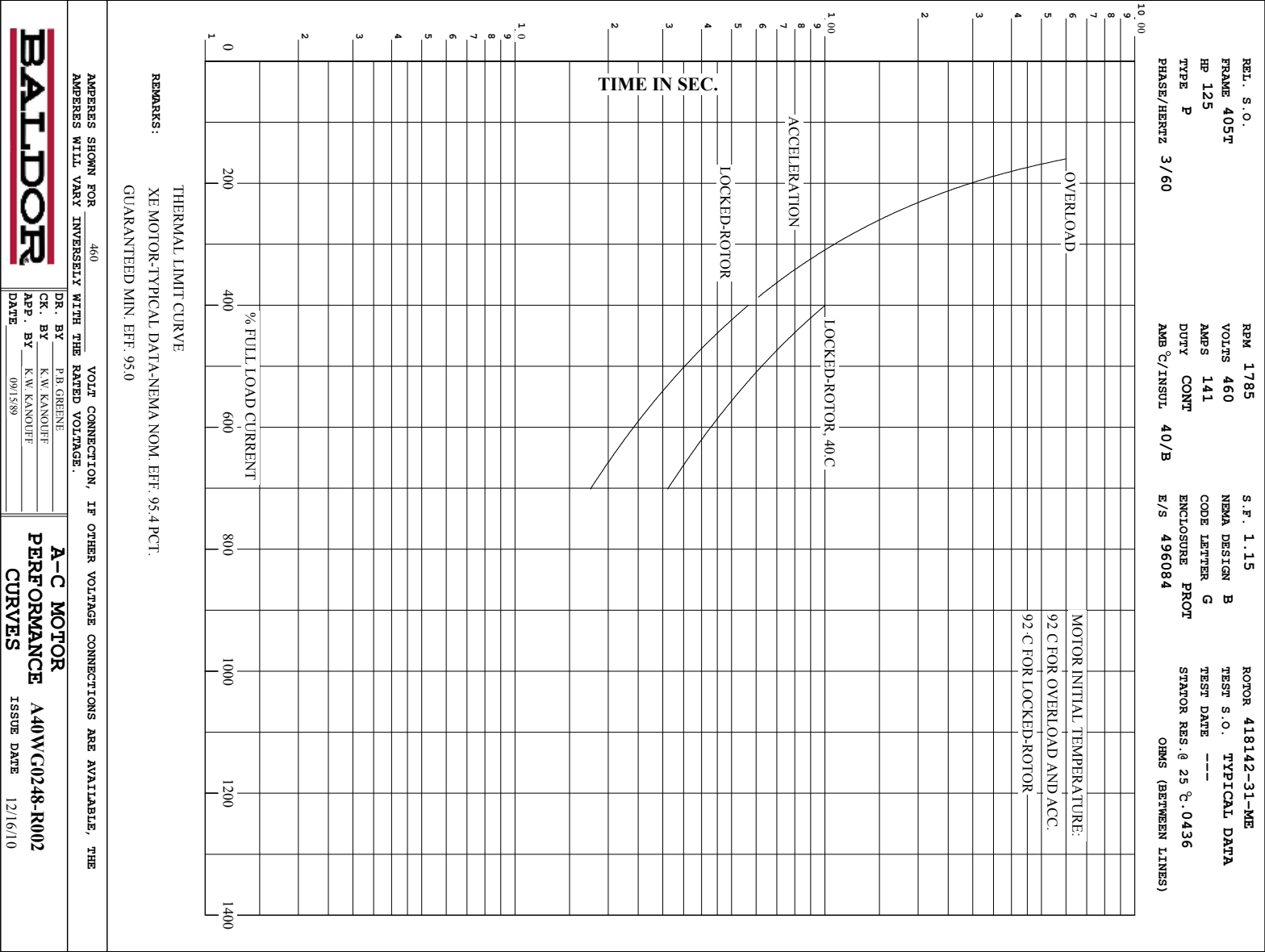
Parts List (continued)		
Part Number	Description	Quantity
032018020DK	HHCS 1/2-13X2-1/2 PLTD.	2.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
004824015A	GREASE POLYREX EM	1.000 LB
PK5004A02	WOOD BASE 40X32 STACK 2X4 RUNNER	1.000 EA
065776000C	TERBD 320-400	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 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 - 360	1.000 EA
415000103H	TERMINAL LUG	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
421948051	LABEL, MYLAR	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.063 GA
004824015A	GREASE POLYREX EM	0.560 LB
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	405T	125	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
141	CONT	40/B	1.15	B	G	PROT
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
496084	418142-31-ME	---	---	.0436		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	43.2	1800	3.72	0	
1/4	31.3	54.8	1796	56.9	94.1	
2/4	62.5	78.8	1793	77.4	95.9	
3/4	93.7	108	1789	84.5	96.0	
4/4	125	141	1784	86.9	95.6	
5/4	156	176	1780	87.3	95.0	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0		149	549	897	
PULL UP	700		122	449	832	
BREAKDOWN	1721		225	828	484	
FULL LOAD	1784		100	368	141	
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-TYPICAL DATA-NEMA NOM. EFF. 95.4 PCT. GUARANTEED MIN. EFF. 95.0						
BALDOR		DR. BY P.B. GREENE CK. BY K.W. KANOUFF APP. BY K.W. KANOUFF DATE 09/15/89		A-C MOTOR PERFORMANCE DATA A40WG0248-R002 ISSUE DATE 12/16/10		

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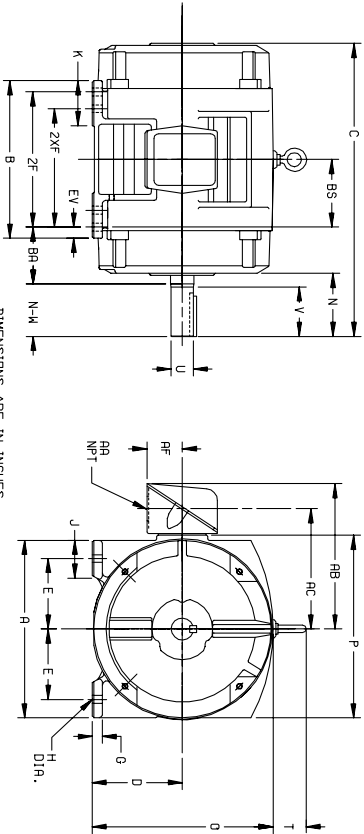
DUTY MASTER ALTERNATING CURRENT MOTORS
SQUARE-FLANGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: PROTECTED

COOLING: SELF-VENTILATED

MOUNTING: FOOT

FRAMES 250T THRU 440T



DIMENSIONS ARE IN INCHES

FRAME	A	DIG	E	G	H	J	K	D	P	T	AA	AB	AC	AF	BA	EV
254T-256T	12.50	6.25	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	10.00	---	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	11.00	---	3.50	3.25	1.625	3.00	3.75	1.88	37.0
286T	23.56	5.50	13.00	11.00	---	4.88	4.62	1.875	4.38	5.00	3.25	37.0
286T	23.56	5.50	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	4.00	3.75	1.875	5.00	5.00	2.00	48.0
324T	27.56	6.00	14.00	12.00	---	5.50	5.25	2.125	5.00	5.00	3.75	52.0
326T	26.06	6.00	14.00	12.00	---	4.00	3.75	1.875	5.00	5.00	2.00	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	12.25	---	4.00	3.75	1.875	5.62	6.25	4.25	73.5
365T	27.58	6.12	14.25	12.25	---	6.12	5.88	2.375	5.62	6.25	4.25	77.5
404T	34.00	6.88	16.00	---	12.25	4.00	3.75	1.875	7.00	7.50	5.50	104.5
404T	34.00	6.88	16.00	13.75	---	12.25	7.62	2.875	7.00	7.50	5.50	104.5
405T	34.00	6.88	16.00	13.75	---	4.62	4.25	2.125	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	16.50	---	8.94	8.50	3.375	8.25	8.75	6.88	179.5
445T	35.81	8.25	19.00	16.50	---	5.19	4.75	2.375	4.50	6.25	3.00	177.0

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: RAGHTZ
FILE: \RAG\00009\279		
MTL: -		

BALDOR

DIM SHT-250T-440T

SH 1 of 1

(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.

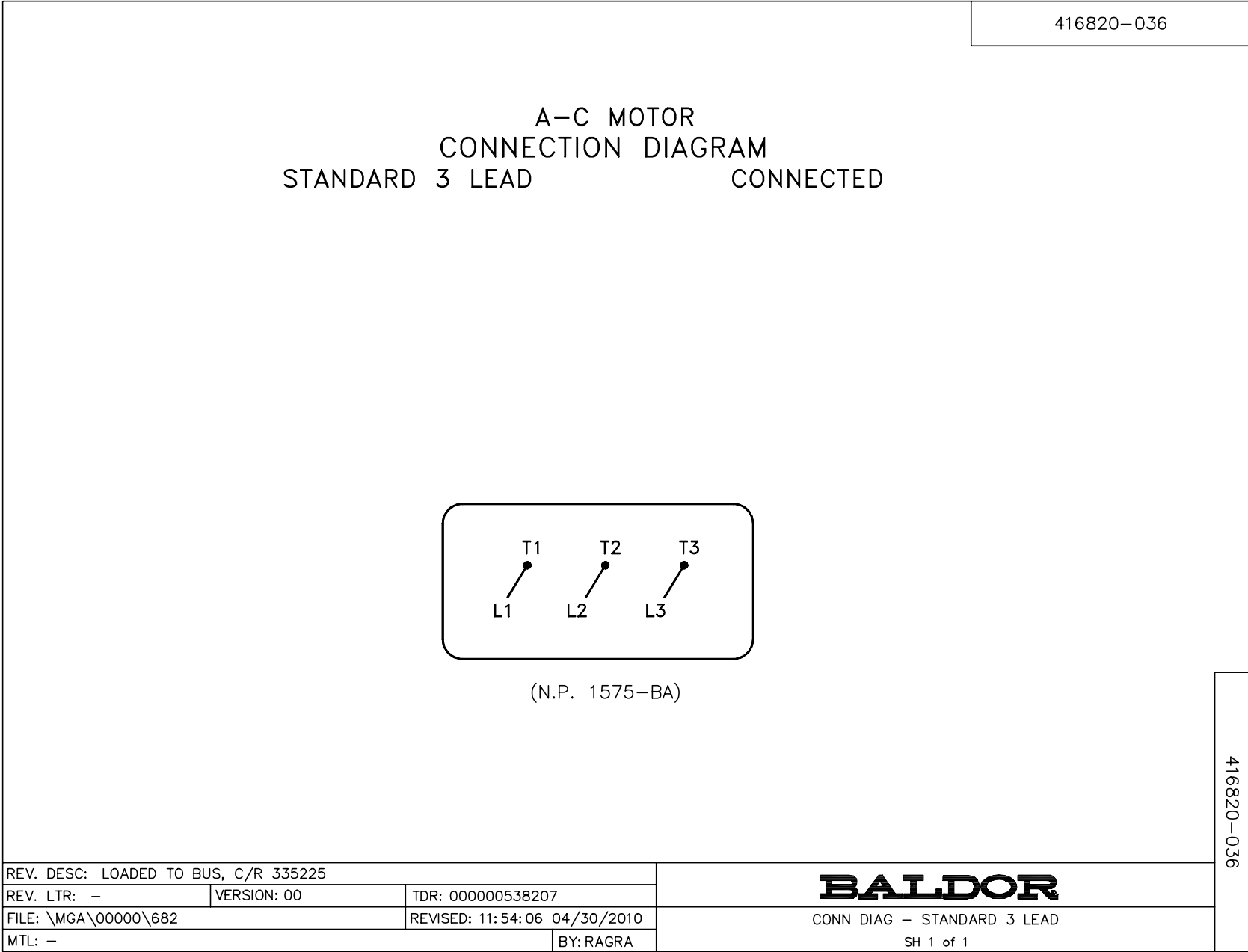
CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2-W-1, V-4-W-5-W-7, OR C-1 MOUNTING IS SPECIFIED.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT ROUNDT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 TIR UP TO AND INCLUDING 1625 DIA. AND .003 TIR ABOVE 1625 TO 5 INCH DIA.

FRAME-_____TYPE-_____CERTIFIED FOR-_____
ORDER-_____ITEM-_____HP-_____RPM-_____PH-_____HZ_____VOLTS_____
SALES ORDER-_____APPROVED BY-_____DATE_____

105-057119



Marketing maintained PDF of MN408:

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

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