

# BID SOLICITATION



**City of Chattanooga**  
**101 East 11th Street, Suite G13**  
**Chattanooga, TN 37402**

## BID OPENING DATE AND TIME:

24-APR-18 at 2:00 PM

**BID NUMBER: 305067**

## SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

## BUYER:

**PHONE #:** (423) 643-7230

**DELIVERY REQUIRED:**

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City of Chattanooga  
 101 East 11th Street, Suite G13  
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
Requisition No.: 168001 Ordering Dept.: Waste Resources Buyer: Geoffrey Hipp 423-643-7233 ***** DESCRIPTION: Nidec Motor per specifications ***** ATTACHMENTS: - Specifications - Iran Divestment Act - Affirmative Action Plan - Standard Terms and Conditions: ( <a href="http://www.chattanooga.gov/purchasing/standard-terms-and-conditions">http://www.chattanooga.gov/purchasing/standard-terms-and-conditions</a> ) ***** *** BIDS MUST BE RECEIVED NO LATER THAN *** ***** 2:00 PM ON APRIL 24, 2018 ***** ***** PLEASE SUBMIT BIDS IN DUPLICATE INDICATING BID NUMBER (305067) ON OUTSIDE PACKAGING ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION, FREIGHT ALLOWED. ***** NOTE: All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.  The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.  The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin. ***** PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION: Company Name _____ Address _____ Phone/Toll-Free No. _____ Fax No. _____ E-Mail Address _____ Contact Person's Name _____ Estimated Delivery _____ Minority-Owned Business ___ Small Business ___ Veteran ___ Minority Woman Owned Business ___ Disabled Veteran ___ Women-Owned Business ___					

**NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS**

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.  
 Bids will be received at the above mentioned address.

COMPANY: \_\_\_\_\_

TERMS OF PAYMENT: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

NAME AND TITLE: \_\_\_\_\_

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101 East 11th Street, Suite G13  
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
1	Nidec 350 hp 460V Motor (vertical) form wound, inverter duty to fit existing pump base, per attached specs	1	Each	_____	_____

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TELEPHONE NUMBER: \_\_\_\_\_

COMPANY: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

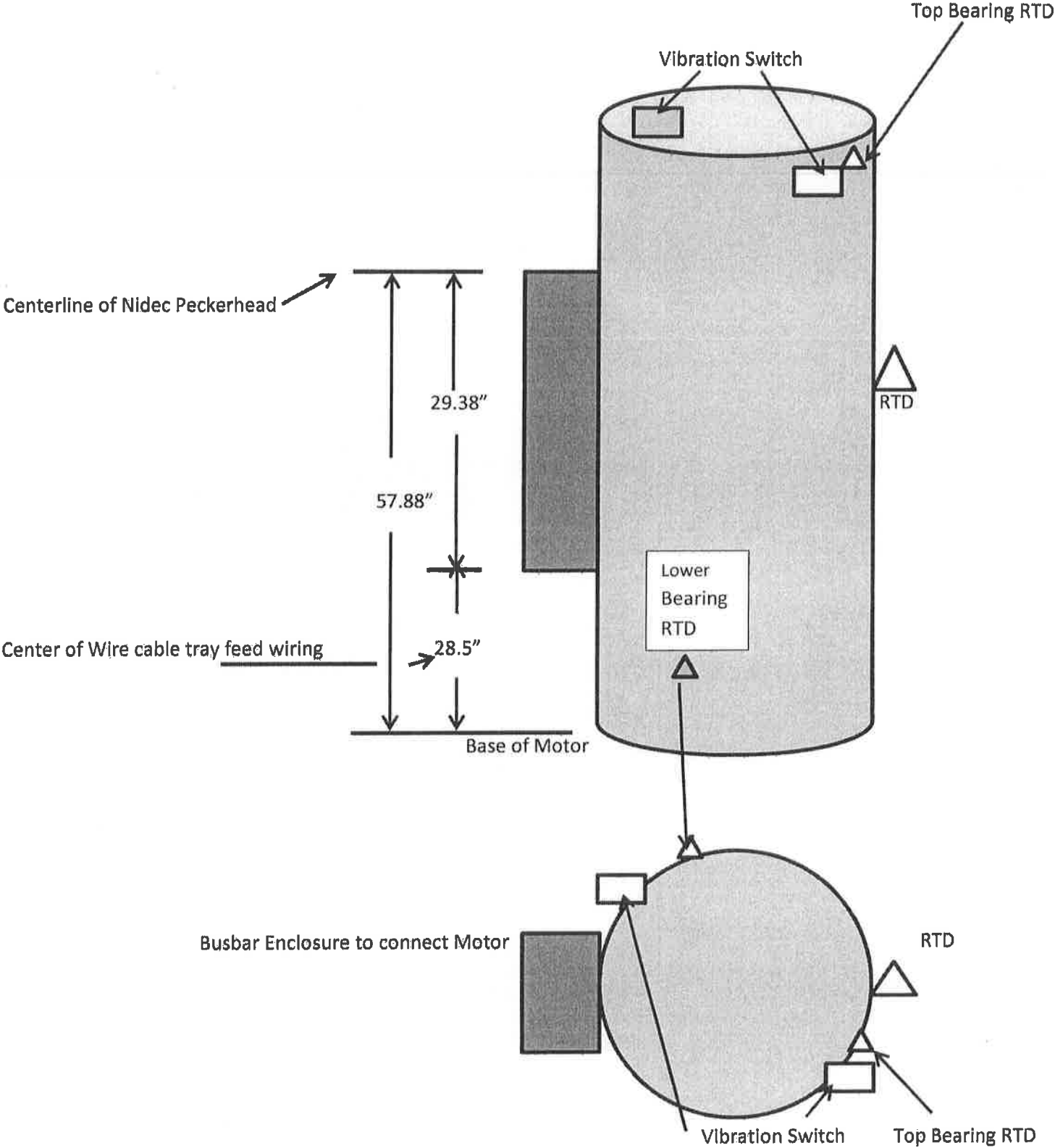
NAME AND TITLE: \_\_\_\_\_

## EQ NIDEC MOTOR 350HP

- Vertical Shaft Motor
- High Thrust-WPI Enclosure
- B: Form Wound
- +40 Deg C Ambient Temperature
- Premium Efficiency
- 30.5" Diameter Base Inverter Duty Windings
- "B" rise @ 1.0 S.F. (Resistance On Sine Wave Power)
- Continuous Duty
- Shaft Ground Ring
- Insulated Bearing – Upper Bracket
- Includes 8 ea RTD 100 ohm in winding
- 2 each Bearing RTD's (Upper & Lower)
- 2 each Mounting for Robert Shaw "Vibration Switch"
- Busbar Enclosure to Connect Motor to existing leads in Cable Tray
- Placement according to EQ Nidec 350 HP Motor Drawing
- 3 7/8" Shaft

*Don Duns* 12/6/17

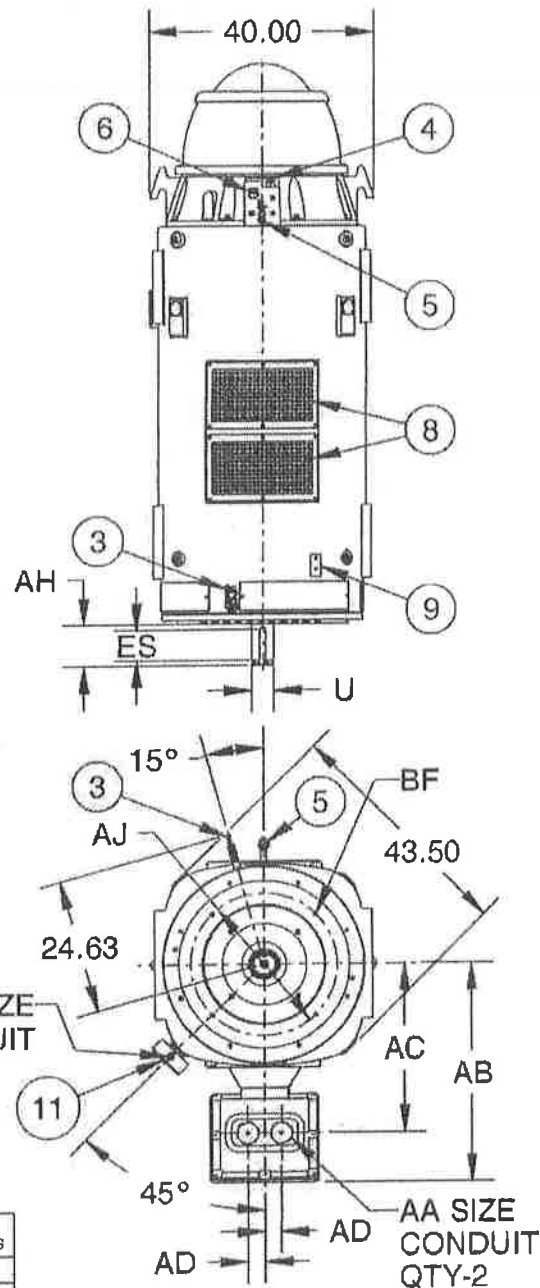
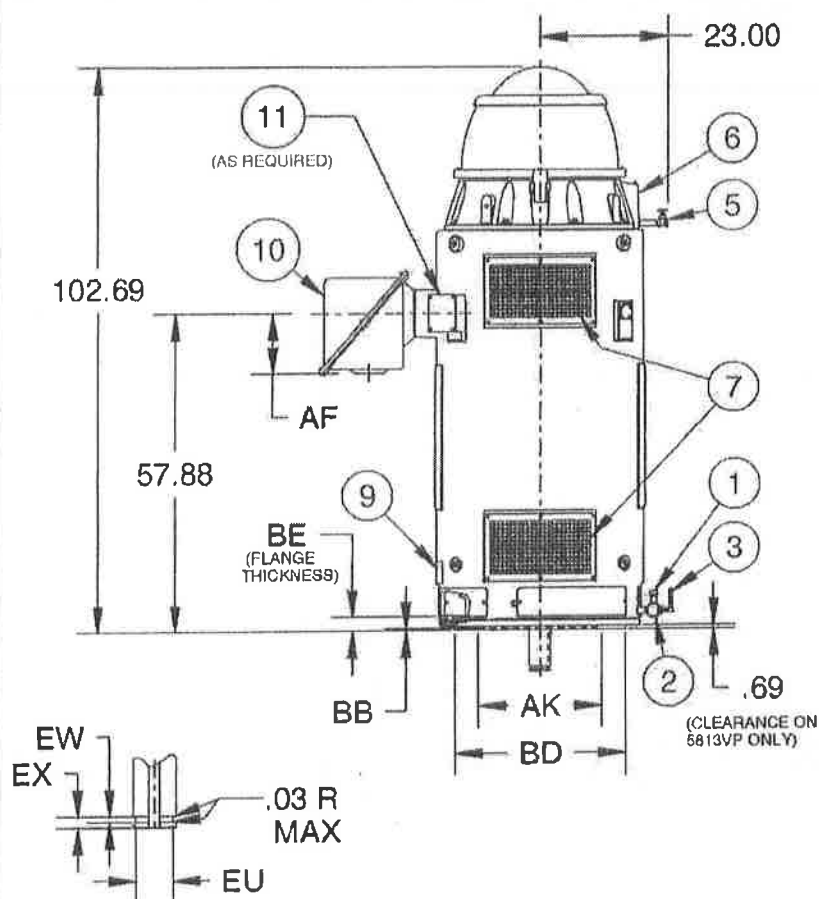
# EQ 350 HP Nidec Motor Placement



EFFECTIVE:  
**30-MAR-11**  
 SUPERSEDES:  
**26-AUG-10**

# DIMENSION PRINT WEATHER PROTECTED TYPE I FRAME: 5813 VP, VPA TYPE: RV4

PRINT:  
**09-2792**  
 SHEET:  
**1 OF 1**



AA	DM
2 NPT	1/2 NPT
2 1/2 NPT	3/4 NPT
3 NPT	1 NPT
3 1/2 NPT	1 1/4 NPT
4 NPT	1 1/2 NPT

U	AH	ES	EU	EW	EX	SQ
.001	±.062	MIN	-.005	+.002	+.005	KEY
3.875	7.500	5.500	3.375	.500	1.000	1.000

FRAME	AJ	AK	BB	BD	BE	BF	QTY. OF BF HOLES
5813VP	26.000	22.000	MIN	MAX			
5813VPA	32.000	26.000	.25	30.50	2.63	.813	4
				36.00		1.000	8

C/BOX VOLUME (CU. IN.)	AB	AC	AD	AF
3400	39.37	30.75	3.00	10.94

FEATURE LISTING

1 LOWER BUMP OIL FILL	8 UPPER BUMP SIGHT WINDOW	11 ACCESSORY CONDUIT BOX
2 LOWER BUMP OIL DRAIN	7 AIR INTAKE, 180° APART	
3 LOWER BUMP SIGHT WINDOW	9 AIR EXHAUST, 180° APART	
4 UPPER BUMP OIL FILL	6 GRO. PADS, DIAG. OPR. 50-13	
5 UPPER BUMP OIL DRAIN	10 MAIN CONDUIT BOX	

ALL DIMENSIONS ARE IN INCHES

TOLERANCES	
FACE RUNOUT	.007 F.I.R.
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBIT	.007 F.I.R.
PERMISSIBLE SHAFT RUNOUT	.003 F.I.R.
MAXIMUM SHAFT END PLAY	.010
NON MACHINED DIMENSIONS MAY VARY BY ± .26	

09-2792/A

**Nidec Motor Corporation**  
 St. Louis, Missouri

INFORMATION DISCLOSED ON THIS DOCUMENT IS CONSIDERED PROPRIETARY AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT WRITTEN CONSENT OF NIDEC MOTOR CORPORATION



ISSUED BY  
**N. PAGERE**  
 APPROVED BY  
**R. SCHMIDT**

IHP\_DP\_NMCA (MAR-2011) PROENGINEER

## APPLICATION MANUAL FOR ABOVE NEMA MOTORS

### MOTORS & DRIVES DIVISION

Type GV, RGV — NEMA Type P Flange — Solid Shaft — High Thrust — Weather Protected Type I  
Anti-Friction Bearing  
Frames 580 - 30

Supersedes  
M3603, Pg. 301  
9/86 Issue

### STANDARD DIMENSIONS — IN INCHES

Frame	AG	BV	Q	P	Approx. Ship. Wt. Lbs.
588	61.2	35.5	33.2	33.4	5500
589	65.2	39.5			5800
30JJ/KK	60.1	27.5	39.0	39.6	5300
3020	64.6	29.8			6200
3023	67.6	31.2			6800

### STANDARD TERMINAL BOX SELECTION

#### TERMINAL BOX SIZES OUTSIDE DIMENSIONS

Frame	Box Ident.	AA	AB	AC	AF	XD	XL	XW
580	B	3.0	26.1	21.3	10.0	9.5	14.0	9.0
	C	4.0	28.0	23.0	12.0	10.2	15.0	10.0
	D	5.0	28.9	24.3	16.0	12.1	20.5	12.0
	F	5.0	28.6	21.6	18.0	11.5	21.5	14.2
	G	5.0	29.9	22.3	16.0	12.8	25.2	18.2
30	B	3.0	25.5	24.5	10.0	9.5	14.0	9.0
	C	4.0	31.2	26.2	12.0	10.2	15.0	10.0
	D	5.0	33.0	27.4	16.0	12.1	20.5	12.0
	F	5.0	31.8	24.8	16.0	11.5	21.5	14.2
	G	5.0	33.1	25.5	16.0	12.8	25.2	18.2

### TERMINAL BOX ASSIGNMENT BOX IDENTIFICATION

Horsepower	480V or 575V	2300V	4000V	6600V
Up to 300	B	B	D	NA
301 to 500	D	C	D	G
501 to 600	F	C	D	G
601 to 700	F	D	D	G
701 to 1000	G	D	D	G
1001 to 1750	—	F	D	G

### STANDARD BASE

Frame	BD	AK	AJ	BF
580	30.5	22.0	26.00	.812
30	30.5	22.0	26.00	.812

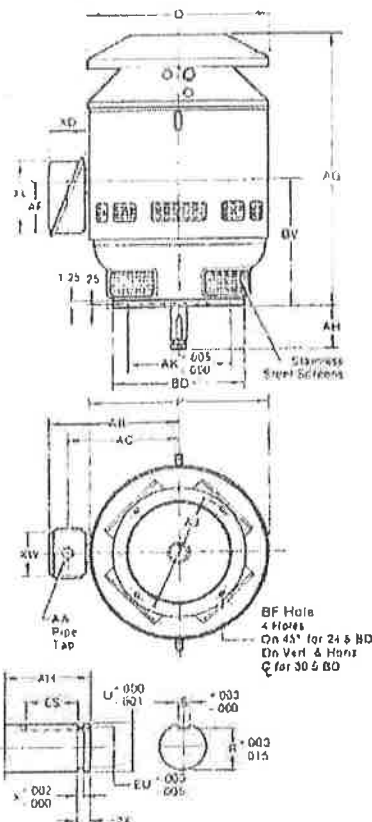
### ALTERNATE BASE

Frame	BD	AK	AJ	BF
580	30.5	22.0	26.00	.812
30	30.5	22.0	26.00	.812

### INDICATOR READINGS — IN INCHES

Frame	Max. Face Run Out	Permissible Eccentricity of Mtg. Rabbet	Permissible Coupling Bore Run Out
580/30	.007	.007	.003

Conduit box may be rotated in steps of 90°.



### SHAFT EXTENSION

Frame	U	EU	AH	X	R	S	ES
580/30	3.875	3.375	7.00	.500	3.309	1.000	4.50

<b>Certification:</b>		
Customer _____		
P.O. _____	Item _____	
S.O. _____	Item _____	
HP _____	RPM _____	FR. _____
PH/HZ/Volts _____		
By _____		Date _____
Rotating Facing Shaft Extension		
CW <input type="checkbox"/>	CCW <input type="checkbox"/>	Either <input type="checkbox"/>

Not for construction, installation or application purposes unless certified.



Morgan McCormick <ammccormick@chattanooga.gov>

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## Fwd: Bid 304992 - Nidec Motor

---

Jim Spence <jspence@chattanooga.gov>

Mon, Mar 19, 2018 at 3:31 PM

To: Mary McCarthy <mmccarthy@chattanooga.gov>, Darrell Sutton <dsutton@chattanooga.gov>

Cc: Morgan McCormick <ammccormick@chattanooga.gov>

We need to change the last line from 3 3/8" to 3 7/8"

Also we do need to include the drawing with the specs and they should be ready to go back out to bid. If we need a new requisition filled out let Darrell know and he will take care of that.

[Quoted text hidden]

Jimmy Spence  
Maintenance Manager  
City of Chattanooga  
455 Moccasin Bend Rd.  
Chattanooga, TN 37405  
(O) 423 643-7088  
(C) 423 421-4491



Morgan McCormick <ammccormick@chattanooga.gov>

---

## Fwd: FW: 350HP City of Chattanooga

1 message

---

Jim Spence <jspence@chattanooga.gov>

Wed, Mar 21, 2018 at 12:58 PM

To: "A. M. McCormick (AMMcormick@chattanooga.gov)" <AMMcormick@chattanooga.gov>

FYI

----- Forwarded message -----

From: **Dale Cooper** <dcooper@tekwellservices.com>

Date: Wed, Mar 21, 2018 at 12:13 PM

Subject: FW: 350HP City of Chattanooga

To: Jim Spence <jspence@chattanooga.gov>

Read below.

**Dale Cooper**

VP/General Manager

**Tekwell Services, LLC**

(O) 865.524.3681

(C) 865.806.2913

[dcooper@tekwellservices.com](mailto:dcooper@tekwellservices.com)

[www.tekwellservices.com](http://www.tekwellservices.com)

---

**From:** Kliewer, Craig [NMCA-STL] [mailto:craig.kliewer@nidec-motor.com]

**Sent:** Wednesday, March 21, 2018 11:58 AM

**To:** Dale Cooper

**Subject:** RE: 350HP City of Chattanooga

Dale

Yes, they are free to use this dimension print and it is actually on our website for anyone to use for reference. The only time we will not share a print is when it is certified with a customer name and factory order number imprinted.

*Yours Truly,*

*Craig Kliewer*

*Senior Territory Manager*

**CELL 901-351-4101**

[craig.kliewer@nidec-motor](mailto:craig.kliewer@nidec-motor)



A BRAND OF THE  
NIDEC MOTOR CORPORATION



**From:** Dale Cooper [mailto:dcooper@tekwellservices.com]  
**Sent:** Wednesday, March 21, 2018 9:28 AM  
**To:** Kliewer, Craig [NMCA-STL] <craig.kliewer@nidec-motor.com>  
**Subject:** RE: 350HP City of Chattanooga

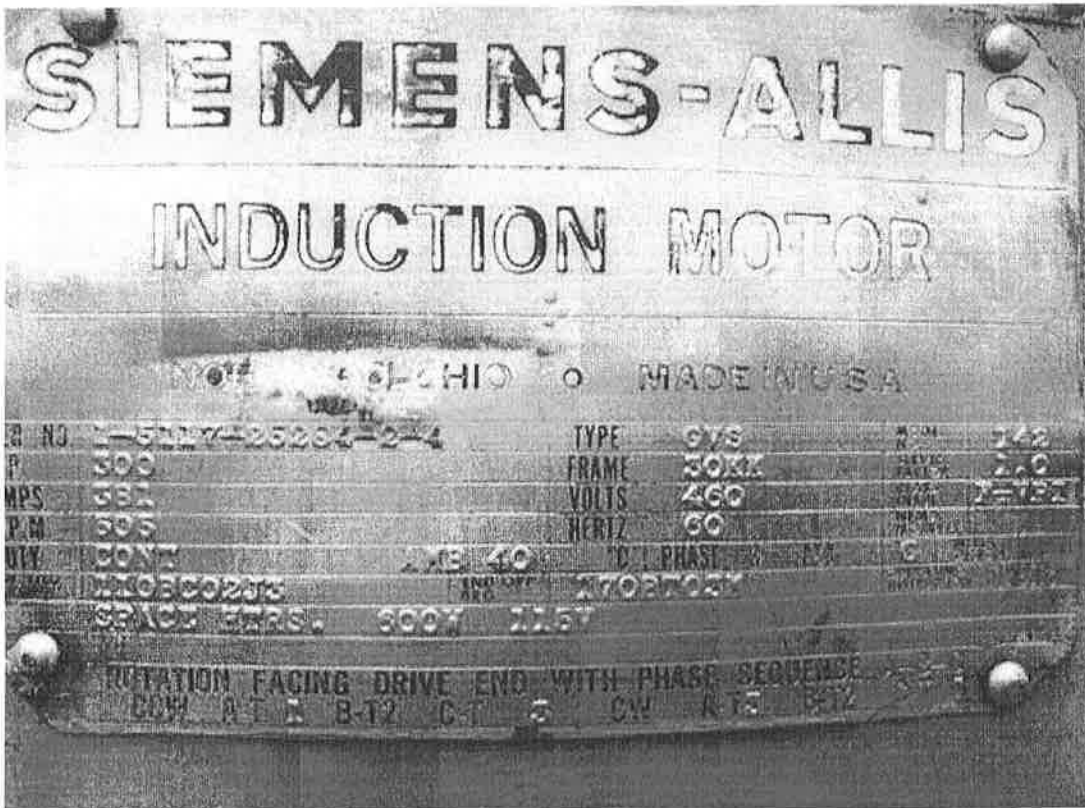
Craig, the City wants to know if they can attach the drawings of the US motor we are looking at quoting into the bid package. They are proprietary so they will need your permission.

**Dale Cooper**  
VP/General Manager  
**Tekwell Services, LLC**  
(O) 865.524.3681  
(C) 865.806.2913  
[dcooper@tekwellservices.com](mailto:dcooper@tekwellservices.com)  
[www.tekwellservices.com](http://www.tekwellservices.com)

**From:** Kliewer, Craig [NMCA-STL] [mailto:craig.kliewer@nidec-motor.com]  
**Sent:** Wednesday, March 21, 2018 7:42 AM  
**To:** Dale Cooper  
**Subject:** 350HP City of Chattanooga

Dale

Here is the dimension print of the old Siemens motor and a picture of the nameplate.



shaft from Siemens but the old print shows;

U=3.875      EU=3.375      AH=7      ES=4.5      SQ KEY 1

Special dimensions requested were;

U=3.375      EU=3.375\*      AH=7.5      ES=5.5      SQ KEY 1

Both drawing show a U=3.875 and EU=3.375 but they differ in the AH and ES dimension.

*Yours Truly,*

*Craig Kliever*

*Senior Territory Manager*

*CELL 901-351-4101*

*craig.kliever@nidec-motor*



A BRAND OF THE  
NIDEC MOTOR CORPORATION

--  
Jimmy Spence  
Maintenance Manager  
City of Chattanooga  
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Chattanooga, TN 37405  
(O) 423 643-7088  
(C) 423 421-4491



**No Contact/No Advocacy**

**Notice Receipt**

City of Chattanooga

Purchasing Division

**For Submission with Sealed Bid Solicitation Responses:**

\_\_\_\_\_ (Vendor Agent name), states that:

(1) He/She is the owner, partner, officer, representative, or agent of \_\_\_\_\_

\_\_\_\_\_ (Business name), the Submitter of the

attached sealed solicitation response to Solicitation # \_\_\_\_\_, and said

Business has taken notice, and will abide by the following No Contact and No Advocacy clauses:

**NO CONTACT POLICY:** After the posting of this solicitation, a potential submitter is prohibited from directly or indirectly contacting any City of Chattanooga representative concerning the subject matter of this solicitation, unless such contact is made with the Purchasing Division.

**NO ADVOCATING POLICY:** To ensure the integrity of the review and evaluation process, companies and/or individuals submitting sealed solicitation responses, as well as those persons and/or companies formally/informally representing such submitters, may not directly or indirectly lobby or advocate to any City of Chattanooga representative.

**Any business entity and/or individual that does not comply with the No Contact and No Advocating policies may be subject to the rejection or disqualification of its solicitation response from consideration.**

Submitter Signature:

Printed Name:

\_\_\_\_\_

\_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Chapter No. 817 (HB0261/SB0377). "Iran Divestment Act" enacted.

Vendor Disclosure and Acknowledgement

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to § 12-12-106.

(SIGNED)

\_\_\_\_\_

(PRINTED NAME)

\_\_\_\_\_

(BUSINESS NAME)

\_\_\_\_\_

(DATE)

\_\_\_\_\_

For further information, please see website:

[https://www.tn.gov/assets/entitles/generalservices/cpo/attachments/List\\_of\\_persons\\_pursuant\\_to\\_Tenn.\\_Code\\_Ann.\\_12-12-106,\\_Iran\\_Divestment\\_Act-July.pdf](https://www.tn.gov/assets/entitles/generalservices/cpo/attachments/List_of_persons_pursuant_to_Tenn._Code_Ann._12-12-106,_Iran_Divestment_Act-July.pdf)

## **Affirmative Action Plan**

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. During the term of all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, the following non-discriminatory hiring practices shall be employed to provide employment opportunities for minorities and women:
  - a. All help wanted ads placed in newspapers or other publications shall contain the phrase "Equal Employment Opportunity Employer".
  - b. Seek and maintain contracts with minority groups and human relations organizations as available.
  - c. Encourage present employees to refer qualified minority group and female applicants for employment opportunities.
  - d. Use only recruitment sources which state in writing that they practice equal opportunity. Advise all recruitment sources that qualified minority group members and women will be sought for consideration for all positions when vacancies occur.

5. Minority statistics are subject to audit by City of Chattanooga staff or other governmental agency.
6. The Contractor agrees to notify the City of Chattanooga of any claim or investigation by State or Federal agencies as to discrimination.

---

(Signature of Contractor)

---

(Title and Name of Company)

---

(Date)