

Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation or expenditure contemplated by the ordinance set out below that:

- Funds have been encumbered out of funds previously appropriated for such purpose.
- Funds have been certified and designated to be appropriated by separate ordinance to be approved prior to the approval of the ordinance set out below.
- Funds will be available out of current or general revenue prior to the maturity of any such obligation.
- No pecuniary obligation is to be incurred as a result of approving the ordinance set out below.
- The money required for the expenditure or expenditures specified below is in the treasury, in the fund or funds specified below, and is not appropriated for any other purposes.
- A certificate with respect to the money required for the expenditure or expenditures specified below is attached hereto and incorporated hereby by this reference.
- Other - Grant Funds Available

Theresa D. Parker
Madeline P. Appel

Date: January 26, 2007 City Controller of the City of Houston, Texas

DF
MF-S

FUND REF: 8300-2000-520624 AMOUNT: 475,000.00 ^{SRO} ENGUMB. NO. 4500017377

City of Houston, Texas Ordinance No. 2007-127

AN ORDINANCE AWARDING THE CONTRACT TO GHX POWER SYSTEMS, LLC FOR THE PUBLIC WORKS & ENGINEERING DEPARTMENT; PROVIDING A MAXIMUM CONTRACT AMOUNT; CONTAINING PROVISIONS RELATING TO THE SUBJECT; AND DECLARING AN EMERGENCY.

* * * *

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON, TEXAS:

Section 1. Having duly advertised for and received competitive bids for the contract described in the title of this ordinance, the City Council hereby finds and determines that the lowest responsible and secure bid was submitted by GHX Power Systems, LLC in the amount of \$2,618,372.00 (which amount is only an estimate if unit prices are included in the bid proposal of said bidder) and that such bid is the most advantageous for the City. Such contract is hereby awarded to said bidder.

Section 2. The Council hereby approves and authorizes the Contract, agreement or other undertaking described in the title of this Ordinance, in substantially the form as shown in the document which is attached hereto and incorporated herein by this reference. The Mayor is hereby authorized to execute such document and all related documents (including any related surety bonds) on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 3. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such contract, agreement, or other undertaking in the event of changed circumstances.

Section 4. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said contract without further authorization from Council.

Section 5. The total allocation for the contract, agreement or other undertaking approved and authorized hereby shall never exceed \$2,618,372.00 unless and until this sum is increased by ordinance of City Council.

Section 6. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, Houston City Charter.

PASSED AND ADOPTED this 31st day of January, 2007.
APPROVED this _____ day of _____, 20____.

Mayor of the City of Houston

Pursuant to Article VI, Section 6, Houston City Charter, the effective date of the foregoing Ordinance is FEB 06 2007.



City Secretary

Prepared by: Finance and Administration Dept.
Strategic Purchasing
Contact: David Petersen
(Phone: 713-247-1741)

This Ordinance has been reviewed as to form by the undersigned legal assistant and has been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

1-10-07

Date
(Basic Form GMS159:AWARD-APPROV-SUPP. ALLOCAT. ORD.; Approved by City Attorney 10/95 _____)



Legal Assistant

AYE	NO	
✓		MAYOR WHITE
••••	••••	COUNCIL MEMBERS
✓		LAWRENCE
✓		JOHNSON
✓		CLUTTERBUCK
ABSENT ON PERSONAL BUSINESS		EDWARDS
✓		WISEMAN
✓		KHAN
✓		HOLM
✓		GARCIA
✓		ALVARADO
✓		BROWN
✓		LOVELL
	<i>Vacant</i>	SEKULA GIBBS
	ABSENT	GREEN
✓		BERRY
CAPTION	ADOPTED	

THE STATE OF TEXAS

BID # S28-L22019

COUNTY OF HARRIS

ORDINANCE # 07-0127
CONTRACT # 2600007396

I. PARTIES

A. Address

THIS AGREEMENT FOR ELECTRIC MOTOR REPAIR SERVICES ("Agreement") is made on the Countersignature Date between the **CITY OF HOUSTON, TEXAS** ("City"), a municipal corporation and **GHX POWER SYSTEMS, LLC** ("Contractor or Vendor"), a corporation doing business in Texas.

The initial addresses of the parties, which one party may change by giving written notice to the other party, are as follows:

City

City Purchasing Agent for Director
of The Public Works & Engineering Department
City of Houston
P.O. Box 1562
Houston, Texas 77251

Contractor

GHX Power Systems, LLC
7111 Ardmore
Houston, Texas 77054
Ben Andrews
Phone: 713 579 3105
Fax: 713 749 9620
bandrews@ghxinc.com

The Parties agree as follows:

B. Table of Contents

This Agreement consists of the following sections:

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EXHIBITS

- A. DEFINITIONS
- B. SCOPE OF SERVICES
- C. EQUAL EMPLOYMENT OPPORTUNITY
- D. MWBE SUBCONTRACT TERMS
- E. DRUG POLICY COMPLIANCE AGREEMENT
- F. CERTIFICATION OF NO SAFETY IMPACT POSITIONS
- G. DRUG POLICY COMPLIANCE DECLARATION
- H. FEES AND COSTS

C. Parts Incorporated

The above described sections and exhibits are incorporated into this Agreement.

D. Controlling Parts

If a conflict among the sections or exhibits arises the Exhibits control over the Sections.

E. Definitions

Certain terms used in this Agreement are defined in Exhibit "A".

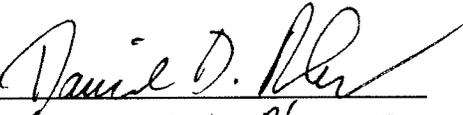
F. **Signatures**

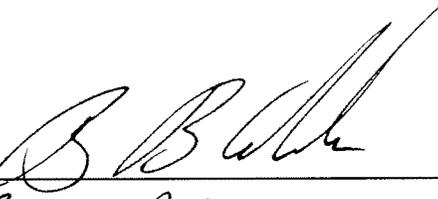
The Parties have executed this Agreement in multiple copies, each of which is an original.

ATTEST/SEAL (if a corporation):

GHX Power Systems, LLC

WITNESS (if not a corporation):

By: 
Name: Daniel D. Ahuero
Title: MANAGER

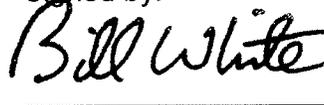
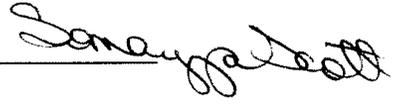
By: 
Name: BEN B. ANDREWS
Title: MANAGER
Federal Tax ID Number: 1-02-0723728-9

ATTEST/SEAL:

CITY OF HOUSTON, TEXAS

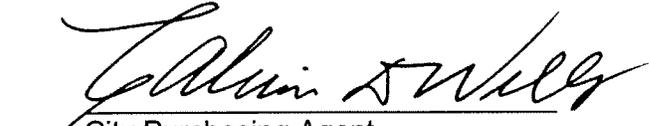
Signed by:

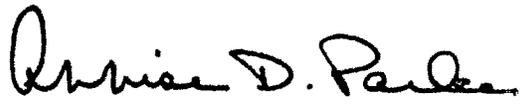
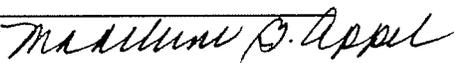

City Secretary

 
Mayor

APPROVED:

COUNTERSIGNED BY:


City Purchasing Agent

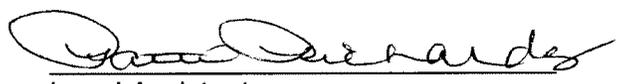

City Controller 

DATE COUNTERSIGNED:

2-6-07

This Contract has been reviewed as to form by the undersigned legal assistant and has been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

1-10-07
Date


Legal Assistant

II. DUTIES OF CONTRACTOR

A. Scope of Services

In consideration of the payments specified in this Agreement, Contractor shall provide all labor, material, and supervision necessary to perform the services described in Exhibit "B."

B. RELEASE

RELEASE:

PRIME CONTRACTOR/SUPPLIER AGREES TO AND SHALL RELEASE THE CITY, ITS AGENTS, EMPLOYEES, OFFICERS, AND LEGAL REPRESENTATIVES (COLLECTIVELY THE "CITY") FROM ALL LIABILITY FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS OR PROPERTY SUSTAINED IN CONNECTION WITH OR INCIDENTAL TO PERFORMANCE UNDER THIS AGREEMENT, EVEN IF THE INJURY, DEATH, DAMAGE, OR LOSS IS CAUSED BY THE CITY'S SOLE OR CONCURRENT NEGLIGENCE AND/OR THE CITY'S STRICT PRODUCTS LIABILITY OR STRICT STATUTORY LIABILITY.

C. INDEMNIFICATION:

PRIME CONTRACTOR/SUPPLIER AGREES TO AND SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY, ITS AGENTS, EMPLOYEES, OFFICERS, AND LEGAL REPRESENTATIVES (COLLECTIVELY THE "CITY") HARMLESS FOR ALL CLAIMS, CAUSES OF ACTION, LIABILITIES, FINES, AND EXPENSES (INCLUDING, WITHOUT LIMITATION, ATTORNEYS' FEES, COURT COSTS, AND ALL OTHER DEFENSE COSTS AND INTEREST) FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS OR PROPERTY SUSTAINED IN CONNECTION WITH OR INCIDENTAL TO PERFORMANCE UNDER THIS AGREEMENT INCLUDING, WITHOUT LIMITATION, THOSE CAUSED BY:

- (1) PRIME CONTRACTOR/SUPPLIER'S AND/OR ITS AGENTS', EMPLOYEES', OFFICERS', DIRECTORS', CONTRACTORS', OR SUBCONTRACTORS' (COLLECTIVELY IN NUMBERED PARAGRAPHS 1-3, "PRIME CONTRACTOR/SUPPLIER") ACTUAL OR ALLEGED NEGLIGENCE OR INTENTIONAL ACTS OR OMISSIONS;
- (2) THE CITY'S AND PRIME CONTRACTOR/SUPPLIER'S ACTUAL OR ALLEGED CONCURRENT NEGLIGENCE, WHETHER PRIME CONTRACTOR/SUPPLIER IS IMMUNE FROM LIABILITY OR NOT; AND
- (3) THE CITY'S AND PRIME CONTRACTOR/SUPPLIER'S ACTUAL OR ALLEGED STRICT PRODUCTS LIABILITY OR STRICT STATUTORY LIABILITY, WHETHER PRIME CONTRACTOR/SUPPLIER IS IMMUNE FROM LIABILITY OR NOT.

PRIME CONTRACTOR/SUPPLIER SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY HARMLESS DURING THE TERM OF THIS AGREEMENT AND FOR FOUR YEARS AFTER THE AGREEMENT TERMINATES. PRIME CONTRACTOR/SUPPLIER'S INDEMNIFICATION IS LIMITED TO \$500,000 PER OCCURRENCE. PRIME CONTRACTOR/SUPPLIER SHALL NOT INDEMNIFY THE CITY FOR THE CITY'S SOLE NEGLIGENCE.

D. INDEMNIFICATION PROCEDURES:

- (1) Notice of Claims. If the City or Prime Contractor/Supplier receives notice of any claim or circumstances which could give rise to an indemnified loss, the receiving party shall give written notice to the other party within 10 days. The notice must include the following:
 - (a) a description of the indemnification event in reasonable detail,
 - (b) the basis on which indemnification may be due, and
 - (c) the anticipated amount of the indemnified loss.

This notice does not estop or prevent the City from later asserting a different basis for indemnification or a different amount of indemnified loss than that indicated in the initial notice. If the City does not provide this notice within the 10 day period, it does not waive any right to

indemnification except to the extent that Prime Contractor/Supplier is prejudiced, suffers loss, or incurs expense because of the delay.

(2) Defense of Claims

- (a) Assumption of Defense. Prime Contractor/Supplier may assume the defense of the claim at its own expense with counsel chosen by it that is reasonably satisfactory to the City. Prime Contractor/Supplier shall then control the defense and any negotiations to settle the claim. Within 10 days after receiving written notice of the indemnification request, Prime Contractor/Supplier must advise the City as to whether or not it will defend the claim. If Prime Contractor/Supplier does not assume the defense, the City shall assume and control the defense, and all defense expenses constitute an indemnification loss.
- (b) Continued Participation. If Prime Contractor/Supplier elects to defend the claim, the City may retain separate counsel to participate in (but not control) the defense and to participate in (but not control) any settlement negotiations. Prime Contractor/Supplier may settle the claim without the consent or agreement of the City, unless it (i) would result in injunctive relief or other equitable remedies or otherwise require the City to comply with restrictions or limitations that adversely affect the City, (ii) would require the City to pay amounts that Contractor does not fund in full, (iii) would not result in the City's full and complete release from all liability to the plaintiffs or claimants who are parties to or otherwise bound by the settlement.

E. Insurance

Contractor shall maintain in effect certain insurance coverage and shall furnish certificates of insurance, in duplicate form, before beginning its performance under this Agreement. All policies except Professional Liability and Workers' Compensation must name the City as an additional insured. The issuer of any policy (1) shall have a Certificate of Authority to transact insurance business in Texas or (2) shall be an eligible non-admitted insurer in the State of Texas and have a Best's rating of at least B+ and a Best's Financial Size Category of Class VI or better, according to the most current edition Best's Key Rating Guide. Contractor shall maintain the following insurance coverages in the following amounts:

- (1) Commercial General Liability insurance including Contractual Liability insurance:
\$500,000 per occurrence; \$1,000,000 aggregate
- (2) Workers' Compensation including Broad Form All States endorsement:
Statutory amount
- (3) Automobile Liability insurance
\$1,000,000 combined single limit per occurrence
Defense costs are excluded from the face amount of the policy.
Aggregate Limits are per 12-month policy period unless otherwise indicated.
- (4) Employer's Liability
Bodily injury by accident \$100,000 (each accident)

Bodily injury by disease \$100,000 (policy limit)

Bodily injury by disease \$100,000 (each employee)

All insurance policies must require on their face, or by endorsement, that the insurance carrier waives any rights of subrogation against the City, and that it shall give 30 days written notice to the City before they may be canceled. Within the 30 day period, Contractor shall provide other suitable policies in lieu of those about to be canceled, materially changed, or non-renewed so as to maintain in effect the required coverage. If Contractor does not comply with this requirement, the Director, at his or sole discretion, may:

- (1) immediately suspend Contractor from any further performance under this Agreement and begin procedures to terminate for default, or
- (2) purchase the required insurance with City funds and deduct the cost of the premiums from amounts due to Contractor under this Agreement.

F. Warranties

Contractor represents and warrants that it shall perform all work in a good and workmanlike manner, meeting the standards of quality prevailing in Harris County, Texas for work of this kind. Contractor shall perform all work using trained and skilled persons having substantial experience performing the work required under this Agreement.

With respect to any parts and goods furnished by it, Contractor warrants:

- (1) that all items are free of defects in title, material, and workmanship,
- (2) that each item meets or exceeds the manufacturer's specifications and requirements for the equipment, structure, or other improvement in which the item is installed,
- (3) that each replacement item is new in accordance with original equipment manufacturer's specifications, and of a quality at least as good as the quality of the item which it replaces (when the replaced item was new), and
- (4) that no item or its use infringes any patent, copyright, or proprietary right.

G. Licenses and Permits

Contractor shall obtain and pay for all licenses, permits, and certificates required by any statute, ordinance, rule, or regulation.

H. Compliance with Equal Opportunity Ordinance

Contractor shall comply with the City's Equal Employment Opportunity Ordinance as set out in Exhibit "C."

I. MWBE Compliance

Contractor shall comply with the City's Minority and Women Business Enterprise ("MWBE") programs as set out in Chapter 15, Article V of the City of Houston Code of Ordinances. Contractor shall make good faith efforts to award subcontracts or supply agreements in at least 8 % of the value of this Agreement to MWBEs. Contractor acknowledges that it has reviewed the requirements for good faith efforts on file with the City's Affirmative Action Division and will comply with them.

Contractor shall require written subcontracts with all MWBE subcontractors and shall submit all disputes with MWBEs to binding arbitration in Houston, Texas if directed to do so by the Affirmative Action Division Director. MWBE subcontracts must contain the terms set out in Exhibit "D." If Contractor is an individual person (as distinguished from a corporation, partnership, or other legal entity), and the amount of the subcontract is \$50,000 or less, the subcontract must also be signed by the attorneys of the respective parties.

J. Drug Abuse Detection and Deterrence

(1) It is the policy of the City to achieve a drug-free workforce and workplace. The manufacture, distribution, dispensation, possession, sale, or use of illegal drugs or alcohol by contractors while on City Premises is prohibited. Contractor shall comply with all the requirements and procedures set forth in the Mayor's Drug Abuse Detection and Deterrence Procedures for Contractors, Executive Order No. 1-31 ("Executive Order"), which is incorporated into this Agreement and is on file in the City Secretary's Office.

(2) Before the City signs this Agreement, Contractor shall file with the Contract Compliance Officer for Drug Testing ("CCODT"):

- (a) a copy of its drug-free workplace policy,
- (b) the Drug Policy Compliance Agreement substantially in the form set forth in Exhibit "E", together with a written designation of all safety impact positions and,
- (c) if applicable (e.g. no safety impact positions), the Certification of No Safety Impact Positions, substantially in the form set forth in Exhibit "F".

If Contractor files a written designation of safety impact positions with its Drug Policy Compliance Agreement, it also shall file every 6 months during the performance of this Agreement or on completion of this Agreement if

performance is less than 6 months, a Drug Policy Compliance Declaration in a form substantially similar to Exhibit "G". Contractor shall submit the Drug Policy Compliance Declaration to the CCODT within 30 days of the expiration of each 6-month period of performance and within 30 days of completion of this Agreement. The first 6-month period begins to run on the date the City issues its Notice to Proceed or if no Notice to Proceed is issued, on the first day Contractor begins work under this Agreement.

(3) Contractor also shall file updated designations of safety impact positions with the CCODT if additional safety impact positions are added to Contractor's employee work force.

(4) Contractor shall require that its subcontractors comply with the Executive Order, and Contractor shall secure and maintain the required documents for City inspection.

K. Environmental Laws

Contractor shall comply with all rules, regulations, statutes, or orders of the Environmental Protection Agency ("EPA"), the Texas Commission on Environmental Quality ("TCEQ"), and any other governmental agency with the authority to promulgate environmental rules and regulations (Environmental Laws). Contractor shall promptly reimburse the City for any fines or penalties levied against the City because of Contractor's failure to comply.

Contractor shall not possess, use, generate, release, discharge, store, dispose of, or transport any Hazardous Materials on, under, in, above, to, or from the site except in strict compliance with the Environmental Regulations. "Hazardous Materials" means any substances, materials, or wastes that are or become regulated as hazardous or toxic substances under any applicable federal, state, or local laws, regulations, ordinances, or orders. Contractor shall not deposit oil, gasoline, grease, lubricants or any ignitable or hazardous liquids, materials, or substances in the City's storm sewer system or sanitary sewer system or elsewhere on City Property in violation of the Environmental Laws.

L. Contractor's Performance

Contractor shall make citizen satisfaction a priority in providing services under this Agreement. Contractor shall train its employees to be customer service-oriented and to positively and politely interact with citizens when performing contract services. Contractor's employees shall be clean, courteous, efficient, and neat in appearance and committed to offering the highest quality of service to the public. If, in the Director's opinion,

Contractor is not interacting in a positive and polite manner with citizens, he or she shall direct Contractor to take all remedial steps to conform to these standards.

M. Payment of Employees and Subcontractors

Contractor shall make timely payments in accordance with applicable state and federal law to all persons and entities supplying labor, materials or equipment for the performance of this Agreement including Contractor's employees.

Failure of Contractor to pay it's employees as required by law shall constitute a default under this contract for which the Contractor and it's surety shall be liable on Contractor's performance bond if Contractor fails to cure the default as provided under this Agreement.

Contractor shall defend and indemnify the City from any claims or liability arising out of Contractors failure to pay its subcontractors as required by law. Contractor shall submit disputes relating to payment of M/WBE subcontractors to arbitration in the same manner as any other disputes under the M/WBE subcontract.

III. DUTIES OF CITY

A. Payment Terms

The City shall pay and Contractor shall accept fees at the unit prices provided in Exhibit H for all services rendered and the Deliverables furnished by Contractor. The fees must only be paid from Allocated Funds, as provided below.

Any quantities of services or Deliverables shown in any part of this contract or its exhibits are estimated only and are not any guarantee that the City will not purchase more or less of those services or Deliverables. The City will pay only for the services or Deliverables actually ordered and only at the unit prices set out.

B. Taxes

The City is exempt from payment of Federal Excise and Transportation Tax and Texas Limited Sales and Use Tax. Contractor's invoices to the City must not contain assessments of any of these taxes. The Director will furnish the City's exemption certificate and federal tax identification number to Contractor if requested.

C. Method of Payment

The City shall pay Contractor on the basis of invoices submitted by Contractor and approved by the Director, showing the specific tasks completed in the preceding month and the corresponding prices. The City shall

make payments to Contractor at its address for notices within 30 days of receipt of an approved invoice.

D. Method of Payment - Disputed Payments

If the City disputes any items in an invoice Contractor submits for any reason, including lack of supporting documentation, the Director shall temporarily delete the disputed item and pay the remainder of the invoice. The Director shall promptly notify Contractor of the dispute and request remedial action. After the dispute is settled, Contractor shall include the disputed amount on a subsequent regularly scheduled invoice or on a special invoice for the disputed item only.

E. Limit of Appropriation

- (1) The City's duty to pay money to Contractor under this Agreement is limited in its entirety by the provisions of this Section.
- (2) In order to comply with Article II, Sections 19 and 19a of the City's Charter and Article XI, Section 5 of the Texas Constitution, the City has appropriated and allocated the sum of \$475,000.00 to pay money due under this Agreement (the "Original Allocation"). The executive and legislative officers of the City, in their discretion, may allocate supplemental funds for this Agreement, but they are not obligated to do so. Therefore, the parties have agreed to the following procedures and remedies:
- (3) The City makes a supplemental allocation by sending a notice signed by the Director and the City Controller to Contractor and where appropriated, approved by motion, or ordinance of City Council in substantially the following form:

"NOTICE OF SUPPLEMENTAL ALLOCATION OF FUNDS"

TO: [Name of Contractor]

FROM: City of Houston, Texas (the "City")

DATE: [Date of notice]

SUBJECT: Supplemental allocation of funds for the purpose of the "[title of this Agreement]" between the City and (name of Contractor) countersigned by the City Controller on (Date of Countersignature) (the "Agreement").

I, (name of City Controller), City Controller of the City of Houston, certify that the supplemental sum of \$_____, upon the request of the below-signed Director, has been allocated for the purposes of the

Agreement out of funds appropriated for this purpose by the City Council of the City of Houston. This supplemental allocation has been charged to such appropriation.

The aggregate of all sums allocated for the purpose of such Agreement, including the Original Allocation, and all supplemental allocations (including this one), as of the date of this notice, is \$_____.

SIGNED:

(Signature of the City Controller)

City Controller of the City

REQUESTED:

(Signature of the Director)

Director

- (4) The Original Allocation plus all supplemental allocations are the Allocated Funds. The City shall never be obligated to pay any money under this Agreement in excess of the Allocated Funds. Contractor must assure itself that sufficient allocations have been made to pay for services it provides. If Allocated Funds are exhausted, Contractor's only remedy is suspension or termination of its performance under this Agreement and it has no other remedy in law or in equity against the City and no right to damages of any kind.

F. Changes

- (1) At any time during the Agreement Term, the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may issue a Change Order to increase or decrease the scope of services or change plans and specifications, as he or she may find necessary to accomplish the general purposes of this Agreement. Contractor shall furnish the services or deliverables in the Change Order in accordance with the requirements of this Agreement plus any special provisions, specifications, or special instructions issued to execute the extra work.
- (2) The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent will issue the Change Order in substantially the following form:

CHANGE ORDER

TO: [Name of Contractor]

FROM: City of Houston, Texas (the "City")

DATE: [Date of Notice]

SUBJECT: Change Order under the Agreement between the City and [Name of Contractor] countersigned by the City Controller on [Date of countersignature of the Agreement]

Subject to all terms and conditions of the Agreement, the City requests that Contractor provide the following:

[Here describe the additions to or changes to the equipment or services and the Change Order Charges applicable to each.]

Signed:

[Signature of City Purchasing Agent or Director upon written notice to the City Purchasing Agent]

- (3) The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may issue more than one Change Order, subject to the following limitations:
 - (a) Council expressly authorizes the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent, to approve a Change Order of up to \$25,000. A Change Order of more than \$25,000 over the approved contract amount must be approved by the City Council.
 - (b) If a Change Order describes items that Contractor is otherwise required to provide under this Agreement, the City is not obligated to pay any additional money to Contractor.
 - (c) The Total of all Change Orders issued under this section may not increase the Original Agreement amount by more than 25%.
- (4) Whenever Contractor receives a Change Order, Contractor shall furnish all material, equipment, and personnel necessary to perform the work described in the Change Order. Contractor shall complete the work within the time prescribed. If no time for completion is prescribed, Contractor shall complete the work within a reasonable time. If the work described in any Change Order causes an unavoidable delay in any other work Contractor is required to perform under this Agreement, Contractor may request a time extension for the completion of the work. The City Purchasing Agent's or Director's decision regarding a time extension is final.
- (5) A product or service provided under a Change Order is subject to inspection, acceptance, or rejection in the same manner as the work described in the Original Agreement, and is subject to

the terms and conditions of the Original Agreement as if it had originally been a part of the Agreement.

- (6) Change Orders are subject to the Allocated Funds provisions of this Agreement.

IV. TERM AND TERMINATION

A. Contract Term

This Agreement is effective on the Countersignature Date and expires three (3) years after the date specified in the Notice to Proceed unless sooner terminated according to the terms of this Agreement.

B. Notice to Proceed

Contractor shall begin performance under this Agreement on the date specified in a Notice to Proceed from the City Purchasing Agent.

C. Renewals

If sufficient funds are allocated, the City Purchasing Agent, at his or her sole discretion, may make a request to Contractor to renew this Agreement for up to two additional 1-year option periods, upon at least 30 days written notice before expiration of the initial term, or first option period, as applicable. Any renewal, pursuant to this Section, shall be upon the same terms and conditions of the Agreement.

D. Time Extensions

If Department requests an extension of time to complete its performance, then the City Purchasing Agent may, in his or her sole discretion, extend the time so long as the extension does not exceed 90 days. The extension must be in writing but does not require amendment of this Agreement. Contractor is not entitled to damages for delay(s) regardless of the cause of the delay(s).

E. Termination for Convenience by the City

The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may terminate this Agreement at any time by giving 30 days written notice to Contractor. The City's right to terminate this Agreement for convenience is cumulative of all rights and remedies which exist now or in the future.

On receiving the notice, Contractor shall, unless the notice directs otherwise, immediately discontinue all services under this Agreement and cancel all existing orders and subcontracts that are chargeable to this Agreement. As soon as practicable after receiving the termination notice, Contractor shall submit an invoice showing in detail the services performed under this Agreement up to the termination date. The City shall then

pay the fees to Contractor for services actually performed, but not already paid for, in the same manner as prescribed in Section III unless the fees exceed the allocated funds remaining under this Agreement.

TERMINATION OF THIS AGREEMENT AND RECEIPT OF PAYMENT FOR SERVICES RENDERED ARE CONTRACTOR'S ONLY REMEDIES FOR THE CITY'S TERMINATION FOR CONVENIENCE, WHICH DOES NOT CONSTITUTE A DEFAULT OR BREACH OF THIS AGREEMENT. CONTRACTOR WAIVES ANY CLAIM (OTHER THAN ITS CLAIM FOR PAYMENT AS SPECIFIED IN THIS SECTION), IT MAY HAVE NOW OR IN THE FUTURE FOR FINANCIAL LOSSES OR OTHER DAMAGES RESULTING FROM THE CITY'S TERMINATION FOR CONVENIENCE.

F. Termination for Cause by City

If Contractor defaults under this Agreement, the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may either terminate this Agreement or allow Contractor to cure the default as provided below. The City's right to terminate this Agreement for Contractor's default is cumulative of all rights and remedies which exist now or in the future. Default by Contractor occurs if:

- (1) Contractor fails to perform any of its duties under this Agreement;
- (2) Contractor becomes insolvent;
- (3) all or a substantial part of Contractor's assets are assigned for the benefit of its creditors; or
- (4) a receiver or trustee is appointed for Contractor.

If a default occurs, the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may, but is not obligated to, deliver a written notice to Contractor describing the default and the termination date. The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent, at his or her sole option, may extend the termination date to a later date. If the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent allows Contractor to cure the default and Contractor does so to the City Purchasing Agent's or Director's satisfaction before the termination date, then the termination is ineffective. If Contractor does not cure the default before the termination date, then the City Purchasing Agent or Director upon written notice to the City Purchasing Agent may terminate this Agreement on the termination date, at no further obligation of the City.

To effect final termination, the City Purchasing Agent or Director upon written notice to the City Purchasing Agent must notify Contractor in writing. After receiving the notice, Contractor shall, unless the notice directs

otherwise, immediately discontinue all services under this Agreement, and promptly cancel all orders or subcontracts chargeable to this Agreement.

G. Termination for Cause by Contractor

Contractor may terminate its performance under this Agreement only if the City defaults and fails to cure the default after receiving written notice of it. Default by the City occurs if the City fails to perform one or more of its material duties under this Agreement. If a default occurs and Contractor wishes to terminate the Agreement, then Contractor must deliver a written notice to the Director describing the default and the proposed termination date.

The date must be at least 30 days after the Director receives notice. Contractor, at its sole option, may extend the proposed termination date to a later date. If the City cures the default before the proposed termination date, then the proposed termination is ineffective. If the City does not cure the default before the proposed termination date, then Contractor may terminate its performance under this Agreement on the termination date.

H. Removal of Contractor Owned Equipment and Materials

Upon expiration, or termination of this Agreement, Contractor is permitted ten (10) days within which to remove contractor-owned material and equipment from the City's premises. The City shall make such material and equipment readily available to Contractor. The time period may be extended upon approval by the Director. The City reserves the right to deny any extension of time.

V. MISCELLANEOUS

A. Independent Contractor

Contractor shall perform its obligations under this Agreement as an independent contractor and not as an employee of the City.

B. Force Majeure

1. Timely performance by both parties is essential to this Agreement. However, neither party is liable for delays or other failures to perform its obligations under this Agreement to the extent the delay or failure is caused by Force Majeure. Force Majeure means fires, floods, explosions, and other acts of God, war, terrorist acts, riots, court orders, and the acts of superior governmental or military authority.
2. This relief is not applicable unless the affected party does the following:

- (a) uses due diligence to remove the Force Majeure as quickly as possible; and
 - (b) provides the other party with prompt written notice of the cause and its anticipated effect.
3. The City may perform contract functions itself or contract them out during periods of Force Majeure. Such performance does not constitute a default or breach of this Agreement by the City.
4. If the Force Majeure continues for more than 30 days, the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may terminate this Agreement by giving 30 days' written notice to Contractor. This termination is not a default or breach of this Agreement. CONTRACTOR WAIVES ANY CLAIM IT MAY HAVE FOR FINANCIAL LOSSES OR OTHER DAMAGES RESULTING FROM THE TERMINATION EXCEPT FOR AMOUNTS DUE UNDER THE AGREEMENT AT THE TIME OF THE TERMINATION.

C. Severability

If any part of this Agreement is for any reason found to be unenforceable, all other parts remain enforceable unless the result materially prejudices either party.

D. Entire Agreement

This Agreement merges the prior negotiations and understandings of the Parties and embodies the entire agreement of the Parties. No other agreements, assurances, conditions, covenants (express or implied), or other terms of any kind exist between the Parties regarding this Agreement.

E. Written Amendment

Unless otherwise specified elsewhere in this Agreement, this Agreement may be amended only by written instrument executed on behalf of the City (by authority of an ordinance duly adopted by the City Council) and Contractor. The Director is only authorized to perform the functions specifically delegated to him or her in this Agreement.

F. Applicable Laws

This Agreement is subject to the laws of the State of Texas, the City Charter and Ordinances, the laws of the federal government of the United States, and all rules and regulations of any regulatory body or officer having jurisdiction.

Venue for any litigation relating to this Agreement is Harris County, Texas.

G. Notices

All notices required or permitted by this Agreement must be in writing and are deemed delivered on the earlier of the date actually received or the third day following: (1) deposit in a United States Postal Service post office or receptacle; (2) with proper postage (certified mail, return receipt requested); and (3) addressed to the other party at the address set out in the preamble of this Agreement or at such other address as the receiving party designates by proper notice to the sending party.

H. Non-Waiver

If either party fails to require the other to perform a term of this Agreement, that failure does not prevent the party from later enforcing that term and all other terms. If either party waives the other's breach of a term, that waiver does not waive a later breach of this Agreement.

An approval by the Director, or by any other employee or agent of the City, of any part of Contractor's performance does not waive compliance with this Agreement or establish a standard of performance other than that required by this Agreement and by law. The Director is not authorized to vary the terms of this Agreement.

I. Inspections and Audits

City representatives may perform, or have performed, (1) audits of Contractor's books and records, and (2) inspections of all places where work is undertaken in connection with this Agreement. Contractor shall keep its books and records available for this purpose for at least 3 years after this Agreement terminates. This provision does not affect the applicable statute of limitations.

J. Enforcement

The City Attorney or his or her designee may enforce all legal rights and obligations under this Agreement without further authorization. Contractor shall provide to the City Attorney all documents and records that the City Attorney requests to assist in determining Contractor's compliance with this Agreement, with the exception of those documents made confidential by federal or State law or regulation.

K. Ambiguities

If any term of this Agreement is ambiguous, it shall not be construed for or against any party on the basis that the party did or did not write it.

L. Survival

Contractor shall remain obligated to the City under all clauses of this Agreement that expressly or by their nature extend beyond the expiration or termination of this Agreement, including but not limited to, the indemnity provisions.

M. Parties In Interest

This Agreement does not bestow any rights upon any third party, but binds and benefits the City and Contractor only.

N. Successors and Assigns

This Agreement binds and benefits the Parties and their legal successors and permitted assigns; however, this provision does not alter the restrictions on assignment and disposal of assets set out in the following paragraph. This Agreement does not create any personal liability on the part of any officer or agent of the City.

O. Business Structure and Assignments

Contractor shall not assign this Agreement at law or otherwise or dispose of all or substantially all of its assets without the City Purchasing Agent's prior written consent. Nothing in this clause, however, prevents the assignment of accounts receivable or the creation of a security interest under Section 9.406 (c) of the Texas Business & Commerce Code. In the case of such an assignment, Contractor shall immediately furnish the City with proof of the assignment and the name, telephone number, and address of the Assignee and a clear identification of the fees to be paid to the Assignee.

Contractor shall not delegate any portion of its performance under this Agreement without the City Purchasing Agent's prior written consent.

P. Remedies Cumulative

Unless otherwise specified elsewhere in this Agreement, the rights and remedies contained in this Agreement are not exclusive, but are cumulative of all rights and remedies which exist now or in the future. Neither party may terminate its duties under this Agreement except in accordance with its provisions.

Q. Contractor Debt

If Contractor, at any time during the term of this agreement, incurs a debt, as the word is defined in Section 15-122 of the Houston City Code of Ordinances, it shall immediately notify the City Controller in writing. If the City Controller becomes aware that Contractor has incurred a debt, she shall immediately notify contractor in writing. If Contractor does not pay the debt within 30 days of either such notification, the City Controller may

deduct funds in an amount equal to the debt from any payments owed to Contractor under this agreement, and Contractor waives any recourse therefor.

EXHIBIT "A" DEFINITIONS

As used in this Agreement, the following terms have the meanings set out below:

"Agreement" means this contract between the Parties, including all exhibits, change orders, and any written amendments authorized by City Council and Contractor.

"City" is defined in the preamble of this Agreement and includes its successors and assigns.

"City Purchasing Agent" is defined as the person or duly authorized successor, authorized in writing to act for the City. The term includes, except as otherwise provided in this Contract, the authorized representative of the City Purchasing Agent acting within the limits of delegated authority.

"Contractor Administrator" means the representative of the Department who is responsible for the administration for the Contract.

"Contract Award Notice" means the official notification substantiated by the Notice to Proceed issued by the City Purchasing Agent to the Contractor.

"Contract Charges" means charges that accrue during a given month as defined in Article III.

"Contract Term" is defined in Article IV.

"Contractor" is defined in the preamble of this Agreement and includes its successors and assigns.

"Countersignature Date" means the date this agreement is countersigned by the City Controller.

"Director" means the Directors of each of the Departments or the City Purchasing Agent for the City, or the person he or she designates.

"Effective Date" is defined as date contract is countersigned by the City Controller.

"Governing Body" means the Mayor and City Council of the City of Houston.

"Hazardous Materials" is defined in Article IIK (Environmental Laws).

"Notice to Proceed" means a written communication from the City Purchasing Agent to Contractor instructing Contractor to begin performance.

"Parties" mean all the entities set out in the Preamble who are bound by this Agreement.

"ADDITIONAL SERVICES" shall mean other services to repair systems associated with the motor, not otherwise described in this specification, to bring the equipment to the working conditions agreeable to the Director and Contractor.

"RECONDITION AND REPAIR (RECONDITION-REPAIR)" shall mean that the contractor, upon receipt of the unit, shall inspect and clean all components. Wash, dry, varnish, and bake stator. Clean excess varnish from stator fits. Bring all motor clearances to OEM standards. Dynamically balance rotating parts assembly, re-assemble, perform all tests, and check vibration at full rated voltage and frequency, and paint.

"REWIND AND REPAIR (REWIND-REPAIR)" shall mean that the contractor, upon receipt of the unit, shall inspect and clean all components. Burn stator, strip, and take data. Core test stator, rewind, connect, test, varnish dip /VPI stator, clean resin from stator fits. Bring all motor clearances to OEM standards. Dynamically balance rotating parts assembly, re-assemble, perform all tests, and check vibration at full rated voltage and frequency, and paint.

"CITY OF HOUSTON NORMAL BUSINESS HOUR" shall mean 8:00 a.m. to 5:00 p.m., Monday to Friday, except on days which are considered City holidays.

"CONTRACTOR'S STANDARD BUSINESS HOURS" shall mean the daily eight (8) hour period Monday through Friday, which the contractor has established as their normal business day.

"STANDARD LABOR RATE (SLR)" shall mean the contractor's charge for labor during contractor's Standard Business Hours.

"OVERTIME LABOR RATE (OLR)" shall mean the contractor's charge for labor for work performed after contractor's Standard Business Hours.

"EMERGENCY LABOR RATE (ELR)" shall mean the contractor's charge for labor for unscheduled work and immediate repair of equipment and shall be carried out continuously until the repair is completed.

"NON-DESTRUCTIVE TESTING (NDT)" shall mean inspection to detect cracks and discontinuities by Magnetic Particle Methods, Penetrant Methods or any other Methods as needed and shall be performed by an NDT Level III Certified Technician. The Certification shall be in accordance to the latest Recommended Practices of the American Society for Non-Destructive Testing.

"OTHER REPAIR METHODS" shall mean any method of repair other than those prescribed in the "Fee Schedule". These "other repair methods" must be authorized in writing by the equipment manufacturer and be approved by the Director.

"CONTRACTOR'S FACILITY" shall mean place of business of the Contractor where the Contractor performs repairs of equipment and machinery for other entities, specifically where the Contractor plans to repair City of Houston motors of the model and size described in these specifications. The facility shall be equipped with the needed overhead/jib crane(s), lathe(s), drill(s), ovens, pressure washing machine, meggers, coil testers, balancing machine, paint booth, hydraulic press (es), and testing equipment to do the necessary repair/replacement work for the largest motor in the group. The facility shall be clean, free from dirt and dust, to prevent contamination and damage during assembly of the motors and installation of bearings and gears.

"ELECTRIC MOTORS GROUPS" The electric motors for the purpose of this contract are grouped such as to represent the operating voltage and the size of the units.

Group-I of Electric Motors

Fractional Hp to < or = 10 HP
120 Volts, 1-phase; 230 Volts, 1-phase
230 Volts, 3-phase; 460 Volts, 3-phase

Group-II of Electric Motors

> 10 HP and < or = 100 HP
230 Volts, 3-phase; 460 Volts, 3-phase

Group-III of Electric Motors

> 100 HP and < or = 500 HP
3-phase; 460 Volts, 3-phase

"MAINTENANCE MANAGEMENT SYSTEM (MMS)" shall mean a computerized database to manage work order process, and maintains historical data about performance and repair of equipment at the Water Production and Wastewater Operations branches of the Utilities Division, City of Houston.

"EQUIPMENT INVENTORY (EI) NUMBER" shall mean the unique, cradle-to-grave number called Equipment Inventory (EI) Number used by (MMS) to identify each piece of equipment.

“(EI) TAG” shall mean a metallic strip, embossed with the equipment inventory number (EI #), attached to each piece of equipment

“NON-REPAIRABLE SHOP COST” shall mean the cost amount that the contractor can bill the City for the teardown, inspection, testing, and work scope/estimate preparation when the UDR determines that the motor is not to be repaired (Non-Repairable).

EXHIBIT "B" SCOPE OF SERVICES

B.00 GENERAL REQUIREMENTS AND SCOPE OF SERVICES

- B.00.01 The Contractor shall furnish all supervision, labor, parts, tools, materials, equipment, supplies, and facilities necessary to provide precision repair services for vertical and horizontal squirrel-cage induction, wound-rotor induction, DC, or synchronous motors from various departments of City of Houston. If requested by the using department representative (UDR), the Contractor shall demonstrate by means of adequate testing and documentation that the repaired unit has retained its operating efficiency. The cost for this operating efficiency test will be paid by the City of Houston.
- B.00.02 The rated voltages of the units are single-phase 120, 230, three-phase 230, 460 Volts, and up to 600 Volts D.C. with sizes from fractional HP to five hundreds (500) HP. They are grouped, see "Exhibit A-Definitions" of these documents, as Group-I, Group-II, and Group-III to indicate the size of the units.
- B.00.03 This specification covers the general requirements for the reconditioning, rewinding, repairing, and testing of the motors. This includes but is not limited to assembled motors, stator coils, stator iron, bearings, and general mechanical work. This specification defines minimum acceptable requirements for motor repair.
- B.00.04 Unless otherwise specified, fabrications, processes, parameters, and test methods shall conform to the latest revision of the following *Electrical Apparatus Service Association (EASA)* documents:
- EASA AR100-1998 - Recommended Practice for Repair of Rotating Apparatus (hereafter abbreviated as EASA AR100-1998);
 - EASA Technical Note No. 16 – Guidelines for Maintaining Motor Efficiency During Rebuilding, September 1999 (hereafter abbreviated as EASA Tech Note No. 16);
 - EASA Technical Note No. 17 – Stator Core Testing, updated March 1997 (hereafter abbreviated as EASA Tech Note No. 17); and
 - EASA Bearing Fit Tolerance Chart. updated 1997
- B.00.05 All test equipment required for test results shall be calibrated at least annually against standards traceable to the National Institute of Standards and Technology (NIST) or equivalent standards laboratories (EASA AR100-1998 4.7). The Contractor shall establish, document, and maintain calibration records for test and measuring equipment used to demonstrate conformance of product to specified requirements.
- B.00.06 The Contractor shall be able to furnish copies of current environmental permits and demonstrate compliance with current environmental regulations.
- B.00.07 The Contractor facility shall be subject to inspection to verify that the equipment deemed necessary is present.
- B.00.08 Subcontractors to the Contractor for the performance of work are subject to the same standards as the contractor.
- B.00.09 The electric motors at City facilities are purchased and installed under City's Master Specifications (Master Specifications: Section 15170, Low Voltage Motors, GHWP, dated 3/4/96 or latest edition) requiring compliance with the applicable sections of the following standards and codes:
- American National Standard Institute (ANSI)

- Anti-Friction Bearing Manufacturing Association (AFBMA)
- Institute of Electrical and Electronic Engineers (IEEE)
- 43-Recommended Practice for Testing Insulation Resistance of Rotating Machinery National Electrical Code (NEC)
- National Electrical Manufacturers Association (NEMA)
- MG 1- Motors and Generators

In addition, the following codes and standards shall apply to these repairs:

- Steel Structures Painting Council (SSPC)
- City of Houston Electrical Code
- American Society for Testing and Materials (ASTM)
- American Society for Non-Destructive Testing

ALL repairs and services shall be performed to comply with the applicable sections of the above standards and codes.

- B.00.10 At the City facilities the installed electric motors, and motor to be purchased in future, are manufactured by the following (but not limited to) companies:
1. General Electric
 2. Reliance Electric
 3. Siemens
 4. Fairbanks-Morse
 5. Toshiba
 6. U.S. Motors
 7. Westinghouse
 8. Gould
 9. Marathon
 10. Baldor
- B.00.11 The Contractor shall use new and Original Equipment Manufacturer (OEM) parts or equal in the repair of its electric motors.
- B.00.12 At the Contractor's repair facility, the Contractor shall disassemble the unit, inspect it and prepare a scope of work to repair and replace parts with *new* OEM parts or equal. The cost of inspection and preparation of work scope shall be a part of the base cost of any Recondition-Repair or Rewind-Repair job.
- B.00.13 If the Contractor plans to use any part other than an OEM specified part, the Contractor shall obtain written permission from UDR.
- B.00.14 A City representative will pick up all non-repairable electric motors. Non-repairable units do not need to be reassembled.
- B.00.15 Where hourly work is performed on behalf of the City, the Contractor (and Sub-Contractors of the Contractor) shall fully document the start of the work, the time spent on the job, and completion of each job. The documentation shall be punch card/time-clock or shop record or any other mutually agreed method.
- B.00.16 Contractor shall ensure the Equipment Inventory number (EI) tag remains attached to the equipment. Contractor shall notify the UDR if the (EI) tag is damaged or missing.
- B.00.17 Wherever torque values are known, the Contractor shall use a torque wrench and adhere to the OEM torque values.
- B.00.18 If requested by the UDR, Contractor shall furnish parts needed for maintenance activities

of electric motors by City Personnel. Contractor shall charge the same price for these parts as scheduled in the Contract fee schedule.

- B.00.19 Paint booth shall not be used for Sandblasting.
- B.00.20 Upon receipt of the electric motors the Contractor shall document all information about the condition of the units which shall include photographs.
- B.00.21 The City reserves the rights to pick up any and all parts that are quoted by the Contractor to be replaced. This includes (but is not limited to) seals, bearings, and other items of an electric motor unit.
- B.00.22 In the case of dual horsepower units, charges shall be based only on the higher horsepower rating, never on both.
- B.00.23 Before disassembly nameplate data shall be verified, all missing or damaged parts shall be identified in writing, recorded, and special items (conduit box, location, brakes, gears, etc.) shall be noted on the inspection form.
- B.00.24 Any equipment removed from City property shall be documented on a City Return Authorization Form. The department may use a Log in conjunction with the Return Authorization form. The department requesting services shall provide the Return Authorization Form. The user department shall adjust the Form to reflect the Contract Number and Ordinance Numbers pertaining to this Contract.
- B.00.25 The Contractor shall advise the user department of the name(s) and location(s) of shop(s) that will be used for subcontracted work, and obtain written approval from the user department before subcontracting the work.
- B.00.26 All metal parts shall be checked for structural integrity and cracks, and shall be repaired or replaced as needed.
- B.00.27 Terminal boxes and auxiliary equipment enclosures shall be made to meet OEM's specifications.
- B.00.28 All illegible or defective nameplates shall be replaced on completion of repair. All original nameplate information, except where changed, shall be stamped on new nameplate. New nameplates shall be permanently attached with mechanical fasteners. The cost of a new nameplate shall be included as a part of the base cost of any recondition-repair or rewind-repair.
- B.00.29 UDR(s) and the Contractor's manager shall meet once a month to review the records of the completed work, works in progress, and any other matter related to this contract. Any discrepancies shall be resolved at the time and all backlogs shall be completed by the tenth of the following month.
- B.00.30 Contractor shall install a stainless steel or aluminum identification tag stamped with the Contractor's name, Job Number, and Repair Date to each motor housing. The tag shall be secured with stainless drive pins. The cost of the identification tag shall be included as a part of the base cost of any recondition-repair or rewind-repair.
- B.00.31 All motors with peeling paint or rust shall be sandblasted. The cost of sandblasting shall be included as a part of the base cost of any recondition-repair or rewind-repair.
- B.00.32 Assembled motor units shall be tested for vibration. The vibration level shall not exceed

0.1 inches per second unfiltered. The vibration measurements shall be recorded on the Final Test Sheet. All costs associated with the test shall be included as a part of the base cost of any recondition-repair or rewind-repair.

- B.00.33 The enclosed City of Houston forms included in this document shall be used on each recondition-repair, rewind-repair, and new motor purchases.
- B.00.34 Steam clean area shall be so designed with all the run-offs captured into an approved oil/grease recovery system.
- B.00.35 Delivery tickets and packing slips will contain quantity, part number, description of commodity delivered, name of department or section and facility name to which the merchandise was delivered, the City of Houston Ordinance Number, Contract number, signature of receiving employee, printed name, employee number and the authorization release number.
- B.00.36 The repair shop must be able to verify all hours charged for machine work. This will apply to work done by the Contractor and it's subcontractors. In-house work will be supported with copies of time cards. This verification shall be submitted with the invoice.
- B.00.37 The City reserves the right to review all payments made to the Contractor by auditing any and all documents associated with this contract at a later date. Subject to such audit, any overpayments shall be recovered from the Contractor.
- B.00.38 The Contractor shall be responsible for storage of the electric motors units and all parts. Any parts lost or damaged while in the possession of the Contractor shall be repaired or replaced at Contractor's expense.
- B.00.39 The price of parts supplied for this contract is the total cost of the item to the Contractor supported by documentation.
- B.00.40 The Contractor shall provide to the City a full set of completed test and data sheets including Electrical, Machinist and Mechanical Report, and Winding Data Report upon completion of work. The Contractor shall establish and maintain records for at least three (3) years that the product has passed inspection and/or test with defined acceptance criteria (EASA AR100-1998 1.3.2).
- B.00.41 All inspection, cleaning, balancing, disassembly, reassembly, winding, dipping, baking, blasting, painting, testing and documentation shall be included as part of the base rewind/recondition cost.

B.01 Explosion-proof (motor suitable for NEC Class I, Division I, Group D) units

- B.01.01 Repair of Underwriters Laboratory (UL) approved explosion-proof motor
 - B.01.01.01 The repair shall be performed in a UL approved shop by skilled motor/motor mechanics that are familiar with repair practices typical to explosion-proof motors.
 - B.01.01.02 Only OEM parts are allowed in the repair of UL approved units, except for bearings. NO OTHER exception.
 - B.01.01.03 Only shafts can be reworked for a repair of UL approved units.
 - B.01.01.04 Any casted component of the motor unit that is damaged shall be replaced.

B.01.01.05 The repaired unit shall be re-certified by an UL inspector.

B.01.01.06 The shop shall provide the City with a copy of the re-certification document. The certificate shall bear the UL file number.

B.02 Repair and Replacement

B.02.01 The Contractor shall inspect, repair, and/or troubleshoot assemblies and subassemblies of the electric motors in lieu of replacement unless the repair cost of the electric motors exceeds seventy (70) percent of the cost for replacing it with a new item. Generally the seventy (70) percent rule applies, but the City reserves the right to purchase or repair units based on motor economic evaluation and various operational considerations.

B.02.02 The CTR must approve the purchase of a new unit in lieu of repair.

B.02.03 Replacement motor shall be "NEMA Premium Motor" type unless otherwise authorized by CTR in writing.

B.02.04 Contractor shall use the Contract "Fee Schedule" under "Cost to Replace a Unit..." to invoice the replacement cost.

B.03 SPECIFIC TASKS AND SCOPE OF WORK

B.03.01 The User Department will deliver to or pick up from the Contractor's facility electric motors units. Contractor shall furnish hoist, crane, etc. for loading and unloading of the unit.

B.03.02 Before disassembly, the Contractor shall inspect the unit and document the damaged and missing parts. A digital photograph of each motor as received will be made part of the repair record.

B.03.03 The Contractor shall chemically and mechanically clean all external surfaces, as required.

B.03.04 The Contractor shall perform electrical tests, with measurement recorded "as found" in the Electrical Report. These include:

- Insulation resistance to ground, in megohms, of windings and accessories.
- Surge-comparison of winding

B.03.05 The Contractor shall measure insulation resistance to ground of windings and accessories with a 500 Volts megohmmeter (EASA AR100-1998 4.2.2).

B.03.06 In the event that insulation resistance of the windings is below the recommended minimum value, the motor shall be disassembled, and the windings shall be cleaned and dried before surge-comparison testing.

B.03.07 The Contractor shall disassemble electric motors and clean all internal parts.

B.03.08 The Contractor shall inspect all components of the electric motors and all critical areas to determine if clearances are within OEM tolerances, and the parts meet manufacturer's specifications. If the manufacturer's data is not available, the tolerances shall be verified with the relevant tables in EASA AR100-1998 to assure it conformance.

B.03.09 The Contractor shall inspect the motors and its shaft for corrosion, erosion, chipping, and other damages and shall record this observation on the Electrical Report and/or

Mechanical and Machinist Report.

- B.03.10 The Contractor shall inspect the rotor shaft for roundness/runout and determine if it is within OEM tolerance. . If the manufacturer's data is not available, the tolerances shall be verified with the relevant tables in EASA AR100-1998 to assure it conformance.
- B.03.11 The Contractor shall inspect the shaft extensions and keyseats (keyways). Shaft extensions must be smooth, polished, and concentric with shaft center. Shaft extension dimension shall be checked. Permissible diameter tolerances are given in EASA AR100-1998 Tables 2-1 and 2-2. Permissible shaft runout tolerances are stated in EASA AR100-1998 Tables 2-3 and 2-4. Permissible shaft extension keyseat (keyway) width tolerances are stated in EASA AR100-1998 Tables 2-5 and 2-6.
- B.03.12 Contractor shall inspect each bolt for damaged threads.
- B.03.13 Repair shall include sandblasting, welding and machining as required. Other services required of Contractor shall include Non-Destructive Testing (NDT), chroming and metallizing when required.
- B.03.14 The core iron, if needed, may be grit blasted with glass beads, walnut shells, corncobs, or similar materials. It shall not be blasted with silica, garnet, or other grits, which may cause shorts between laminations (EASA Tech Note 16).
- B.03.15 Contractor shall determine what parts are to be machined or replaced with new parts. As a minimum the Contractor shall replace all bearings, and seals when the original unit was furnished with such items.
- B.03.16 Within five (5) working days the Contractor shall prepare and submit to the UDR a scope of the repair work to be carried out on the unit, which shall include a good faith and detailed cost estimate. This cost estimate shall include a brief description of the work to be performed, cost for new replacement OEM parts, estimated additional labor hours required for the repair of the unit not covered under Base Cost, and shall include the estimated time for delivery time of parts and expected completion date of the work.
- B.03.17 The UDR will inspect the tear-downed unit, review the Contractor's proposed work scope and cost estimate, and revise/approve the work scope/cost estimate.
- B.03.18 Upon written acceptance of cost estimate by the UDR, Contractor shall proceed with repairs. The Contractor shall commence to work on the unit and complete the repair within the allocated time for delivery of such item:
- | | | |
|-----------|---------------------------|---------|
| B.03.18.1 | Motors 100 HP and smaller | 4 weeks |
| B.03.18.2 | Motors larger than 100 HP | 6 weeks |
- B.03.19 The Contractor shall notify the UDR immediately if the Contractor cannot complete the job within the contractually agreed time period of item B.03.18. The Contractor shall submit to UDR a detailed explanation for the delay with a new schedule to complete the job.
- B.03.20 At all times during the repair process, Contractor shall maintain City's equipment in a clean and weather protected storage area.
- B.03.21 The rotor assembly shall be checked for total indicated run out and recorded on the rotor information sheet. This test shall be carried out in a V-Blocks.
- B.03.22 Shaft seal surface, bearing journals and coupling fit, shall be micrometer checked and

recorded on the rotor information sheet.

- B.03.23 End bells and bearing housing critical dimensions shall be micrometer checked and recorded on the mechanical inspection sheet.
- B.03.24 The above measurements shall be submitted to UDR, along with the electrical and mechanical data sheets, during the teardown inspection.
- B.03.25 Replacement bearings shall have an L10 rating life in accordance with ANSI/AFBMA of at least 40,000 hours. If the L10 rating life of the existing bearing is larger than 40,000 hours, the Contractor shall replace the bearing with the same L10 rating life bearing as the existing one.
- B.03.26 The Contractor shall ensure the quality of varnish in the Dip Tank and the VPI system by sampling and testing the varnish every three months. The Contractor shall have the varnish quality reports available for review by the City Inspection Team and the UDR.
- B.03.27 After parts have been repaired, Contractor shall put together the rotating assembly and balance it. The Contractor shall reassemble the electric motors, test, seal and paint, as required.
- B.03.28 Surface of all RECONDITION-REPAIR and REWIND-REPAIR units shall be prepared for painting to white metal finish by blast cleaning to SSPC-SP5.
- B.03.29 Surface of all RECONDITION-REPAIR and REWIND-REPAIR units shall be primed and finished, in an approved paint booth, using the motor manufacturer's standard epoxy painting system:
- The minimum Prime coat thickness shall be 3 mils DFT, dry film thickness (DFT).
 - The minimum finish coat thickness shall be 6 mils DFT, dry film thickness (DFT).
- B.03.30 If manufacturer's information is not available, the following industrial coating specification for surface of pumps and equipment shall be followed:
- The primer and finish coats shall be two-component, rust-inhibitive, polyamide-cured epoxy coating with a recoatable finish,
 - The prime coat shall be Ameron 38P, Tnemec 69, or equal.
 - The finish coat shall be Ameron 38S, Tnemec 69, or equal.
- B.03.31 Changes to paint specifications, item B.03.28 – B.03.30, shall be approved by UDR
- B.03.32 The user department/CTR will specify the paint color.
- B.03.33 All electrical work for RECONDITION-REPAIR and REWIND-REPAIR of the units shall be in accordance with Item B.04 ELECTRIC MOTOR INSPECTION AND REPAIR, unless otherwise specified in these specifications.

B.04 ELECTRIC MOTOR INSPECTION AND REPAIR

B.04.01 ELECTRIC MOTOR INSPECTION AND REPAIR-GENERAL

- B.04.01.01 The Contractor shall provide a repair data sheet showing the condition of the motor upon receipt, the repair work done, and the final test results.
- B.04.01.02 During disassembly, the electric motor shall be visually inspected to determine cause of failure, including electrical and/or mechanical failure.
- B.04.01.03 Stator winding phase to ground insulation shall be checked with a 500 volt megger and the results noted on the inspection form.

- B.04.01.04 Stator winding shall be checked for shorts using surge-comparison tests and all values to be recorded.
 - B.04.01.05 The rotor assembly shall be inspected for wear, scoring, cracks, and the check for open rotor bars shall be done with a growler and magnetic paper.
 - B.04.01.06 All stators that are to be rewound shall be tested "after" burnout and removal of the winding with a core loss tester and a printout of the test shall be submitted to the UDR.
 - B.04.01.07 Shaft seal surface, bearing journals and coupling fit, shall be checked with a micrometer and recorded on the rotor information sheet.
 - B.04.01.08 The insulating material in the rewinding of the unit shall have a Class "F" rating or better.
- B.04.02 Electric Motor Inspection and Repair -RECONDITION-REPAIR
- B.04.02.01 Motors which have been designated for winding reconditioning and have been thoroughly cleaned free from dirt, grit, grease, oil, and properly dried shall be inspected for winding damage and repairs made to damaged areas.
 - B.04.02.02 Motor insulation shall be washed with hot soapy water 200 degrees F at 30PSI and then with fresh water. After cleaning, unit must be baked between 250 and 275 degrees F until an acceptable insulation level is obtained.
 - B.04.02.03 Reconditioned motors shall receive a minimum of two (2) dips and baked in insulating resin. Stator shall be baked at insulation resin manufacture's recommended temperature and time to assure full curing.
 - B.04.02.04 The Contract "Fee Schedule" Base Cost for RECONDITION-REPAIR shall include all cost of supervision, labor, tools, equipment, supplies, and parts to complete the work as specified herein for RECONDITION-REPAIR. This Base Cost does not include the cost of any bearings, seals, heaters or broken parts (which are reimbursable) if authorized by the UDR.
- B.04.03 Electric Motor Inspection and Repair -REWIND-REPAIR
- B.04.03.01 The stator core shall be vertically set in the burnout oven. After burnout and winding removal, the core and frame shall be allowed to cool by natural convection without forced air to avoid overstress or warping. Maximum burnout temperature shall be 650 degrees "F" to avoid damage to laminations.
 - B.04.03.02 Torch heating shall NOT be used for stator clean up.
 - B.04.03.03 The stator core shall be blasted to a bare metal finish. Refer to Item B.03.14 of these specifications for the type of grit permitted for blasting.
 - B.04.03.04 The core shall be thoroughly cleaned; the stator core shall be examined for lamination damage such as fusing or metal loss due to arcs.
 - B.04.03.05 Fused laminations shall be separated either by grinding or filing. Bent laminations shall be realigned and all protrusions into the slot area shall be filed or ground smooth. Stator cores shall not be re-stacked without user department approval.

- B.04.03.06 Before a new winding is installed in a stator, the winding data shall be verified to assure that an original factory equal winding is being installed. If the manufacturer's data is not available, the winding data shall be verified to assure it conforms to the relevant EASA data.
- B.04.03.07 Coils shall be formed with the same number of turns as the original winding. Resistance of the rewound stator shall be the same as the original winding.
- B.04.03.08 Coils shall be machine wound with sufficient wire tension to obtain freedom from crossovers and uniform cross-section coils.
- B.04.03.09 Stator winding extensions shall be shaped to ensure adequate winding clearance on motor reassemble.
- B.04.03.10 Phase insulation shall be installed between phase coils, prior to coil lacing, to minimize phase-to-phase contact. Separators shall be installed between the top and bottom coil in the core slots.
- B.04.03.11 Pre-formed slot wedges shall be used to secure the winding in the stator slot, with shim material as necessary to assure tightness.
- B.04.03.12 After the winding is complete, a check shall be made to insure the slot insulation overhangs the core slot edges and is not broken or torn at the core slot edges.
- B.04.03.13 All winding and lead connections shall be brazed with a "silver content" rod and insulated with Class "F" insulation or better.
- B.04.03.14 The winding, connections and leads shall be securely laced to form an integral assembly with adequate physical clearance to ground.
- B.04.03.15 All leads brought into the connection box shall be numbered and equipped with a compression lug with NEMA standard bolt-hole.
- B.04.03.16 The finished stator winding insulation to ground shall be checked with a 500 Volts megger. The minimum acceptable insulation resistance reading shall be 10 megohms.
- B.04.03.17 The completed stator shall be preheated in a temperature-controlled oven to the varnish manufacturer's recommendation, not to exceed class "F" operating temperature and shall be held at this temperature for one (1) hour.
- B.04.03.18 Stator shall be allowed to cool by natural convection to the temperature required by insulation resin manufacturer prior to being dipped in insulating varnish.
- B.04.03.19 Stator shall be dipped three (3) times in insulating varnish, repeating processes of items B.04.03.17 and B.04.03.18.
- B.04.03.20 Form-wound Rewound stators shall go through VPI.
- B.04.03.21 Baking shall be done in a temperature controlled and force ventilated oven to effect a complete and uniform cure per manufacturer's instructions.
- B.04.03.22 Resin shall be completely removed from the stator frame mechanical fit, outer paint surfaces, and the inner bore of the stator.

B.04.03.23 The Contract base cost for REWIND-REPAIR shall include all cost of supervision, labor, tools, equipment, supplies, and parts to complete the work as specified herein for REWIND-REPAIR. This base cost does not include the cost of any bearings, seals, heaters or broken parts (which are reimbursable) if authorized by the UDR.

B.05 STANDARD RESPONSE TIMES

- B.05.01 Contractor shall be accessible to the City via telephone during normal business hours. The Contractor shall be ready to start work on any unit within twenty-four (24) hours of receiving the call for the service.
- B.05.02 Contractor shall be available and accessible to the City via telephone to work overtime if requested by the UDR.
- B.05.03 Contractor shall be available and accessible to the City via telephone to work emergency if requested by the UDR.
- B.05.04 Contractor shall start an emergency job immediately, without scheduling delays, and will not be restricted to normal working hours. UDR shall coordinate the emergency and overtime work.

B.06 REPAIR TECHNICIANS

- B.06.01 The repair technicians of the Contractor shall be qualified, properly trained in repair-recondition and repair-rewind of electric motors of the type and sizes specified for this contract.
- B.06.02 The repair technicians of the Contractor shall have a minimum of three (3) years experience in repair-recondition and repair-rewind of electric motors of the sizes (voltage and horsepower) specified in this contract
- B.06.03 The Contractor shall furnish the resume of the technicians to the City Inspection Team during the Team's visit of the Contractor's facility.
- B.06.04 These requirements shall apply to all of the sub-contractors who work for the Contractor.

B.07 Shop ACCEPTANCE OF REPAIR

- B.07.01 The UDR shall inspect the repaired unit before the run test can begin. It is the Contractor's responsibility to ensure communication has been established with the UDR for witnessing of the performance test.
- B.07.02 Perform insulation resistance test before conducting high-potential test using a 500 Volts megohmmeter.
- B.07.03 Perform high-potential test of windings (new or reconditioned) as stated in EASA AR100-1998, Item 4.4 High-Potential Tests.
- B.07.04 NO LOAD test run of the motor shall be performed at its highest rated voltage and frequency.
- B.07.05 The electric motors unit shall be securely mounted, to a leveled metal base-plate or set on standard rubber isolation pads while vibration readings are taken.

- B.07.06 Vibration measurements shall be taken on the completely assembled unit at the DE and ODE, horizontal, and vertical on the bearing housing adjacent to the shaft.
- B.07.07 Vibration measurements shall be expressed as velocity, unfiltered, and recorded on the Repair Data and Final Test Sheets. Acceptable maximum vibration level is 0.1" per second.
- B.07.08 If deficiencies are detected, the repair work shall be rejected and the contractor shall make the necessary repairs, adjustments or replacements.
- B.07.09 After corrective actions are made, the unit shall go through a new test run before the electric motor is accepted.
- B.07.10 A typed copy of Shop's Final Test Sheets covering the results of any specific test shall be included with the shipment of all repaired electric motors units. The user department reserves the right to witness final shop testing and inspection of any and all repaired units. All units must be run at their highest rated voltage.
- B.07.11 A typed copy of Repair Data Sheets covering results of specific tests such as rotor balance, vibration measurement, electrical testing results, mechanical measurements and rewinding data shall be included with the shipment of all repaired electric motors units, if requested by UDR.
- B.07.12 The City shall not make payment to the Contractor until ALL corrective actions are made and the equipment repair is accepted.

B.08 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail, or apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail and that only material and workmanship of the finest quality are to be used. All interpretations of these specifications shall be made on the basis of this statement.

B.09 LABOR RATE

The labor rate offered shall cover all labor required to repair the equipment.

B.10 ADDITIONAL SERVICES

- B.10.01 Prior to commencement of any Additional Services," Contractor shall submit a written proposal for approval by UDR describing the work to be done and include a good faith estimate of the cost. The proposal shall include as a minimum a list of repairs, sub-contractor(s), and a schedule of the repairs.
- B.10.02 Contractor shall perform Additional Services using the unit rates in the fee schedule as specified for the type of service provided. If the fee schedule does not cover the work the Contractor shall be paid on the reimbursable cost-plus basis. Timing of any Additional Services shall be mutually agreed upon in writing between the UDR and the Contractor.

B.11 INVOICES

Contractor shall submit invoices for payment in triplicate (one original and two copies) that are on Contractor's company stationery with the original signed by an authorized agent of the company. ALL SUPPORT DOCUMENTS SHALL BE ORIGINAL. The invoice number shall not be duplicated during the term of the contract periods. Each invoice shall detail the following information:

by the equipment manufacturer.

- B.14.02 The Contractor further warrants that all service and replacement parts it provides shall be in strict compliance with all applicable regulations.
- B.14.03 A minimum full warranty of 12 months is required upon completion of repair services. The warranty period shall begin after "Shop Acceptance" and the day the City officially accepts pick up of the repaired unit.
- B.14.04 During the warranty period ALL related work shall be started by Contractor within twenty-four (24) hours after notification and shall be completed within ten (10) days.
- B.14.05 During the warranty period ALL failed units shall be re-repaired or replaced at Contractor's expense if failure occurs under normal operating conditions or if the failure is due to faulty parts or negligence of the Contractor. A new one-year warranty shall become effective upon completion and after acceptance of the warranty repair.
- B.14.06 *Definitions:* "Acceptance" as used in this clause, means the act of an authorized representative of the City by which the City assumes for itself, approval of specific services as partial or complete performance of the contract.
- B.14.07 "Correction" as used in this clause, means the elimination of a defect.
- B.14.08 Notwithstanding inspection and acceptance by the City or any provision concerning the conclusiveness thereof, the Contractor warrants that all services performed under this contract will, at the time of acceptance, be free from defects in workmanship and conform to the requirements of this contract. The City shall give written notice of any defect or nonconformance to the Contractor within a one-year period from the date of acceptance by the City. This notice shall state either (1) that the Contractor shall correct or re-perform any defective or non-conforming services at no additional cost to the City, or (2) that the City does not require correction or re-performance.
- B.14.09 If the Contractor is required to correct or re-perform, it shall be at no cost to the City, and any services corrected or re-performed by the Contractor shall be subject to this clause to the same extent as work initially performed. If the Contractor fails or refuses to correct or re-perform, the City may, by contract or otherwise, correct or replace with similar services and charge to the Contractor the cost occasioned to the City thereby, or make an equitable adjustment in the contract price.
- B.14.10 If the City does not require correction or re-performance, the City shall make an equitable adjustment in the contract price.

EXHIBIT "BB-2"
Teardown and Recommended Repair Form

City of Houston

Public Works & Engineering Department
 Electric Motor Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor: _____ Contractor Job #: _____

Contract #: _____ Ordinance #: _____ City Work Order #: _____

City Facility Name: _____ City Facility #: _____ EI #: _____

Nameplate Information:

Make:	Volt:	HP:	RPM:
Model:	Amp:	Hz:	SF:
Serial:	Impeller Code:		

Visual Inspection:

Cable Information:

Power Cable	Size	Length	Condition
Control Cable	Size	Length	Condition

Bearings	DE Size	Condition
Bearings	ODE Size	Condition
Volute		
Wear Rings		
Slide Rail Bracket		
Discharge Face		

Shaft DE	
Shaft ODE	
Face of Rotor	

Stator Megger Test: _____

Cable Megger Test: _____

Surge Test: _____

Core Loss Test: _____

Recommendation: Recondition-Repair: _____ Rewind-Repair: _____

Other Repairs Needed: _____

Parts Description: _____

Prepared By: _____ Job Title: _____ Date: _____

EXHIBIT "BB-3"
U. L. Certification Form
City of Houston

Public Works & Engineering Department
Electric Motor Repair Service

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor: _____ Contractor Job #: _____

Contract #: _____ Ordinance #: _____ City Work Order #: _____

City Facility Name: _____ City Facility #: _____ EI #: _____

Nameplate Information:

Make:	Volt:	HP:	RPM:
Model:	Amp:	Hz:	SF:
Serial:	Impeller Code:		

OLD U.L. SERIAL # _____ NEW SERIAL # _____

ORIGINAL CLASS _____ ORIGINAL GROUP _____

REBUILT CLASS _____ REBUILT GROUP _____

DATE NEW SERIAL # ISSUED _____

WORK DONE _____

ELECTRIC MOTOR MFGR _____ FRAME _____

ELECTRIC MOTOR SERIAL # _____

HP _____ VOLTS _____ AMPS _____ CODE _____

INSULATING CLASS _____ THERMOSTAT MOUNTING CODE _____

U.L. INSPECTOR NAME: _____

U.L. INSPECTOR EMPLOYEE #: _____

EXHIBIT "BB-4"
Shop Acceptance Tests Form
City of Houston

Public Works & Engineering Department
 Electric Motor Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor: _____ Contractor Job #: _____

Contract #: _____ Ordinance #: _____ City Work Order #: _____

City Facility Name: _____ City Facility #: _____ EI #: _____

Nameplate Information:

Make:	Volt:	HP:	RPM:
Model:	Amp:	Hz:	SF:
Serial:	Impeller Code:		

Visual Inspection:

Stator Megger Test: _____

Cable Megger Test: _____

Hi-Potential Test: _____

Source Voltages	V1 =	V2 =	V3 =
No-Load Currents	I1 =	I2 =	I3 =
Vibration	Axial =	Radial =	Vertical =

Comments and Deficiencies:

Tests Performed By: _____ Job Title: _____ Date: _____

Witnessed By UDR: _____ Date: _____

EXHIBIT "BB-5"
Field Acceptance Tests Form
City of Houston

Public Works & Engineering Department
 Electric Motor Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor: _____ Contractor Job #: _____

Contract #: _____ Ordinance #: _____ City Work Order #: _____

City Facility Name: _____ City Facility #: _____ EI #: _____

Nameplate Information:

Make:	Volt:	HP:	RPM:
Model:	Amp:	Hz:	SF:
Serial:	Impeller Code:		

Visual Inspection:

Stator Megger Test: _____

Cable Megger Test: _____

Source Voltages	V1 =	V2 =	V3 =
Run Currents, Closed Valve	I1 =	I2 =	I3 =
Currents, Open Valve, Start	I1 =	I2 =	I3 =
Currents, Open Valve, after 24 hour	I1 =	I2 =	I3 =

Comments and Deficiencies:

Tests Performed By: _____ Job Title: _____ Date: _____

Witnessed By UDR: _____ Date: _____

EXHIBIT "BB-6"
Equipment Release Authorization Form
City of Houston
 Public Works & Engineering Department
 Electric Motor Repair Service Contract
Sample Only, Actual Form is subject to change by CTR after Award of the contract

RELEASE #: _____

DATE: _____

CITY WORK ORDER #: _____

CITY FACILITY NAME: _____ CITY FACILITY #: _____ EI #: _____

CONTRACTOR: _____ CONTRACTOR JOB #: _____

CONTRACTOR ADDRESS: _____

CONTRACT #: _____

ORDINANCE #: _____

NAMEPLATE INFORMATION:

MAKE:	VOLT:	HP:	RPM:
MODEL:	AMP:	Hz:	SF:
SERIAL:	IMPELLER CODE:		

REASON FOR THE PULLING OF THE ELECTRIC MOTOR:

NAME OF THE SHOP THE EQUIPMENT IS BEING TAKEN TO:

IS THERE A PICTURE OF THE ELECTRIC MOTOR ATTACHED?

YES: _____ No: _____

CONTRACTOR REPRESENTATIVE

CITY OF HOUSTON REPRESENTATIVE

NAME: _____

NAME: _____

EMPLOYEE #: _____

SIGNATURE: _____

SIGNATURE: _____

EMPLOYEE NUMBER: _____

EMPLOYEE NUMBER: _____

COMMENTS: _____

EXHIBIT "BB-7"
Recommended Repair Estimate Form
City of Houston

Public Works & Engineering Department
 Electric Motor Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contract #:	City Work Order #:
Ordinance #:	Contractor Job #:
City Facility:	Facility #:
Electric Motor:	
Manufacturer:	Work Notification Date:
Voltage: Current: HP: RPM:	Field Inspection Date:
Serial #:	Equipment Pull Date:
El#:	Estimate Date:

UNIT PRICE ITEMS:	<u>Unit</u>	<u>Qty</u>	<u>Extended Price</u>
Item 1 - Prepare for Removal - Each		1.00	
Item 2 - Transport to Shop - Each		1.00	
Item 3 - Return to City - Each		1.00	
<u>Sub-Total Unit Price Items</u>			

COST PLUS ITEMS:	<u>Contract Cost</u>	<u>Mark Up</u>	<u>Extended Price</u>
Item 14 -		1.**	
Item 15		1.**	
Item 15- Work by Sub-contractor (see Original invoices)		1.**	
Item 16 - NDT (see parts worksheet)		1.**	
Item 17 - Parts: (see parts Original Invoices)		1.**	
Item 18 - Rented Crane/Rigging		1.**	
<u>Sub-Total Cost Plus Items</u>			

Additional Services (see worksheet):

Total Estimated Project Costs

Total Estimated Electric Motor Repair Only

Replacement Cost of an Identical Unit

Repair Cost Expressed as % of Replacement Cost

Repair of Electric Motor Approved by City of Houston:

Print Name

Signature/Date – Electric Motor Repair

EXHIBIT "BB-8"
FITS AND INDICATED RUNOUT
City of Houston

Public Works & Engineering Department
 Electric Motor Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

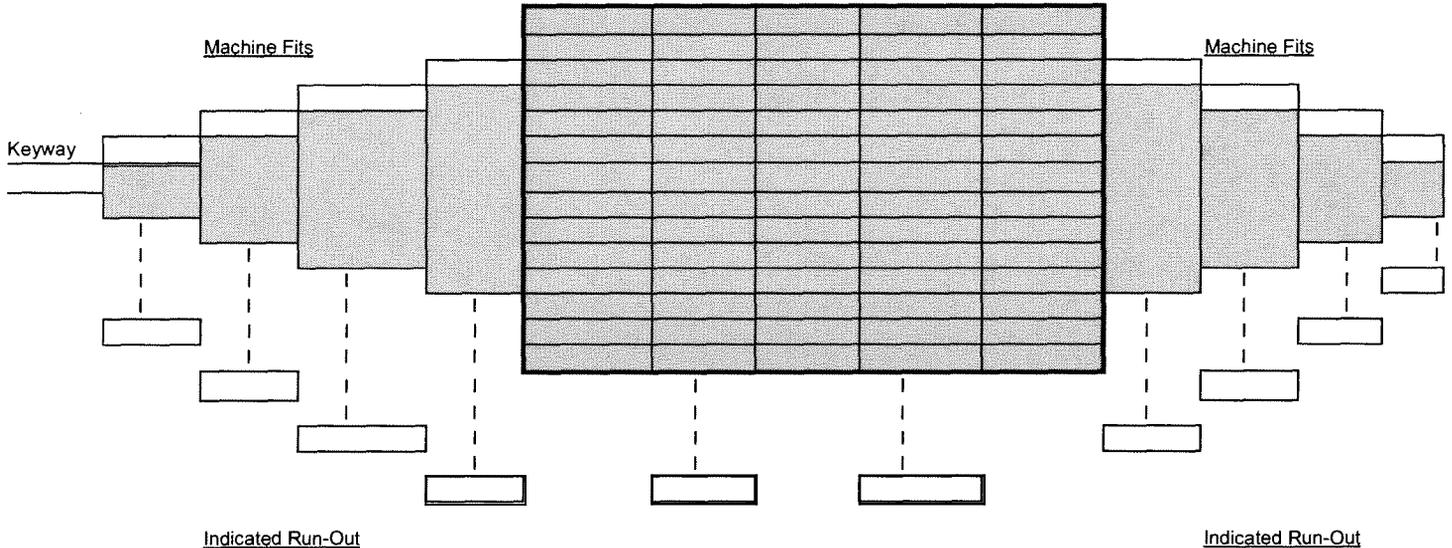
(Horizontal & Vertical Motor)

EI # _____

**Horizontal Ball
 Bearing Rotor**

**Fits and Indicated
 Runout**

Job # _____ 0 _____



Iron Length: _____
 Iron Diam.: _____
 Slot Depth: _____
 Back Iron: _____
 # Vent Holes: _____
 Vent Hole Diam: _____

Make: _____ H.P. _____ Volts: _____
 Model: _____ Amps. _____ Cyc. _____
 R.P.M. _____ Frame: _____ SN: _____

EXHIBIT "BB-9"
Progress and Status Report Form
City of Houston

Public Works & Engineering Department
 Electric Motor Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Release Number	Work Order #	Work Order Date	E.I. #	Fac. #	Fac. Name	Manufac .	Model #	Serial #	H.P.	Problem	Date In Shop	Shop Job #	Inspec t Date	Test Date	Person Called Date	Allocate d Amount	Cost Of Repair	Expend. To Date
																\$	\$	\$

EXHIBIT "C"
EQUAL EMPLOYMENT OPPORTUNITY

1. The contractor, subcontractor, vendor, supplier, or lessee will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, or age. The contractor, subcontractor, vendor, supplier, or lessee will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, sex, national origin, or age. Such action will include, but not be limited to, the following: employment; upgrading; demotion or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation and selection for training, including apprenticeship. The contractor, subcontractor, vendor, supplier or lessee agrees to post in conspicuous places available to employees, and applicants for employment, notices to be provided by the City setting forth the provisions of this Equal Employment Opportunity Clause.
2. The contractor, subcontractor, vendor, supplier, or lessee states that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex, national origin or age.
3. The contractor, subcontractor, vendor, supplier, or lessee will send to each labor union or representatives of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer advising the said labor union or worker's representative of the contractor's and subcontractor's commitments under Section 202 of Executive Order No. 11246, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The contractor, subcontractor, vendor, supplier, or lessee will comply with all provisions of Executive Order No. 11246 and the rules, regulations, and relevant orders of the Secretary of Labor or other Federal Agency responsible for enforcement of the equal employment opportunity and affirmative action provisions applicable and will likewise furnish all information and reports required by the Mayor and/or Contractor Compliance Officer(s) for purposes of investigation to ascertain and effect compliance with this program.
5. The contractor, subcontractor, vendor, supplier, or lessee will furnish all information and reports required by Executive Order No. 11246, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to all books, records, and accounts by the appropriate City and Federal Officials for purposes of investigations to ascertain compliance with such rules, regulations, and orders. Compliance reports filed at such times as directed shall contain information as to the employment practice policies, program, and work force statistics of the contractor, subcontractor, vendor, supplier, or lessee.
6. In the event of the contractor's, subcontractor's, vendor's, supplier's, or lessee's non-compliance with the non-discrimination clause of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the contractor, subcontractor, vendor, supplier, or lessee may be declared ineligible for further City contracts in accordance with procedures provided in Executive Order No. 11246, and such other sanctions may be imposed and remedies invoked as provided in the said Executive Order, or by rule, regulation, or order of the Secretary of Labor, or as may otherwise be provided by law.
7. The contractor shall include the provisions of paragraphs 1-8 of this Equal Employment Opportunity Clause in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontractor or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event the contractor becomes involved in, or is threatened with litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.
8. The contractor shall file and shall cause his or her subcontractors, if any, to file compliance reports with the City in the form and to the extent as may be prescribed by the Mayor. Compliance reports filed at such times as directed shall contain information as to the practices, policies, programs, and employment policies and employment statistics of the contractor and each subcontractor.

D
E

ATTACHMENT "E"
CITY OF HOUSTON CERTIFIED MWBE SUBCONTRACT TERMS

Contractor shall insure that all subcontracts with MWBE subcontractors and suppliers are clearly labeled **"THIS CONTRACT IS SUBJECT TO BINDING ARBITRATION ACCORDING TO THE TEXAS GENERAL ARBITRATION ACT"** and contain the following terms:

1. HOUSTON IMPELLER (MWBE subcontractor) shall not delegate or subcontract more than 50% of the work under this subcontract to any other subcontractor or supplier without the express written consent of the City of Houston's Affirmative Action Director ("the Director").
2. HOUSTON IMPELLER (MWBE subcontractor) shall permit representatives of the City of Houston, at all reasonable times, to perform (1) audits of the books and records of the subcontractor, and (2) inspections of all places where work is to be undertaken in connection with this subcontract. Subcontractor shall keep such books and records available for such purpose for at least four (4) years after the end of its performance under this subcontract. Nothing in this provision shall affect the time for bringing a cause of action nor the applicable statute of limitations.
3. Within five (5) business days of execution of this subcontract, Contractor (prime Contractor) and Subcontractor shall designate in writing to the Director an agent for receiving any notice required or permitted to be given pursuant to Chapter 15 of the Houston City Code of Ordinances, along with the street and mailing address and phone number of such agent.
4. As concluded by the parties to this subcontract, and as evidenced by their signatures hereto, any controversy between the parties involving the construction or application of any of the terms, covenants or conditions of this subcontract shall, on the written request of one party served upon the other or upon notice by Director served on both parties, be submitted to binding arbitration, under the Texas General Arbitration Act (Tex. Civ. Prac. & Rem. Code Ann., Ch. 171 - "the Act"). Arbitration shall be conducted according to the following procedures:
 - a. Upon the decision of the Director or upon written notice to the Director from either party that a dispute has arisen, the Director shall notify all parties that they must resolve the dispute within thirty (30) days or the matter may be referred to arbitration.
 - b. If the dispute is not resolved within the time specified, any party or the Director may submit the matter to arbitration conducted by the American Arbitration Association under the rules of the American Arbitration Association, except as otherwise required by the City's contract with American Arbitration Association on file in the Office of the City's Affirmative Action Division.
 - c. Each party shall pay all fees required by the American Arbitration Association and sign a form releasing the American Arbitration Association and its arbitrators from liability for decisions reached in the arbitration.
 - d. In the event the American Arbitration Association no longer administers Affirmative Action arbitration for the City, the Director shall prescribe alternate procedures as necessary to provide arbitration by neutrals in accordance with the requirements of Chapter 15 of the Houston City Code of Ordinances.

These provisions apply to goal oriented contracts. A goal oriented contract means any contract for the supply of goods or non-personal or non-professional services in excess of \$100,000.00 for which competitive bids are required by law; not within the scope of the MBE/WBE program of the United States Environmental Protection Agency on the United States Department of Transportation; and, which the City Purchasing Agent has determined to have significant M/WBE subcontracting potential in fields which there are an adequate number on known MBEs and/or WBEs to compete for City contracts.

The MWBE policy of the City of Houston will be discussed during the pre-bid. For information, assistance, and/or to receive a copy of the City's Affirmative Action policy and/or ordinance contact the Affirmative Action Division at (713) 837-9000, 611 Walker, 20th Floor, Houston, Texas 77002.

ATTACHMENT **A**

DRUG POLICY COMPLIANCE AGREEMENT

I, BEN B. ANDREWS as an owner or officer of
 _____ (Name) (Print/Type)
 (Title)
GHX POWER SYSTEMS LLC (Contractor)

 (Name of Company)

have authority to bind Contractor with respect to its bid, offer or performance of any and all contracts it may enter into with the City of Houston; and that by making this Agreement, I affirm that the Contractor is aware of and by the time the contract is awarded will be bound by and agree to designate appropriate safety impact positions for company employee positions, and to comply with the following requirements before the City issues a notice to proceed.

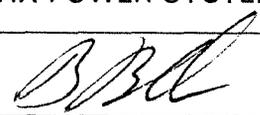
1. Develop and implement a written Drug Free Workplace Policy and related drug testing procedures for the Contractor that meet the criteria and requirements established by the Mayor's Amended Policy on Drug Detection and Deterrence (Mayor's Drug Policy) and the Mayor's Drug Detection and Deterrence Procedures for Contractors (Executive Order No. 1-31).
2. Obtain a facility to collect urine samples consistent with Health and Human Services (HHS) guidelines and a HHS certified drug testing laboratory to perform the drug tests.
3. Monitor and keep records of drug tests given and the results; and upon request from the City of Houston, provide confirmation of such testing and results.
4. Submit semi-annual Drug Policy Compliance Declarations.

I affirm on behalf of the Contractor that full compliance with the Mayor's Drug Policy and Executive Order No. 1-31 is a material condition of the contract with the City of Houston.

I further acknowledge that falsification, failure to comply with or failure to timely submit declarations and/or documentation in compliance with the Mayor's Drug Policy and/or Executive Order No. 1-31 will be considered a breach of the contract with the City and may result in non-award or termination of the contract by the City of Houston.

8/29/06

 Date

Contractor Name	<u>GHX POWER SYSTEMS LLC</u>
Signature	<u></u>
Title	<u>MANAGER</u>

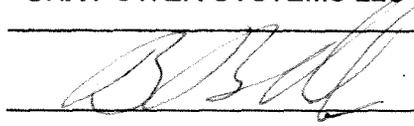
ATTACHMENT C

Contractor's Certification of No Safety Impact Positions
In Performance of a City Contract

I, BEN B. ANDREWS MANAGER as an owner or officer of
(Name) (Print/Type) (Title)

GHX POWER SYSTEMS LLC (Contractor) have authority to bind the Contractor with respect to its bid, and I hereby certify that Contractor has no employee safety impact positions as defined in §5.18 of Executive Order No. 1-31 that will be involved in performing this City Contract. Contractor agrees and covenants that it shall immediately notify the City's Director of Personnel if any safety impact positions are established to provide services in performing this City Contract.

8/29/06
Date

Contractor Name GHX POWER SYSTEMS LLC
Signature 
Title MANAGER

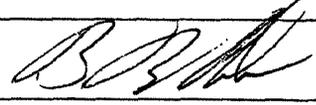
ATTACHMENT D

CONTRACTOR'S CERTIFICATION OF NON-APPLICATION OF
CITY OF HOUSTON DRUG DETECTION AND DETERRENCE PROCEDURES
FOR CONTRACTORS

I, BEN B. ANDREWS MANAGER as an owner or officer of
(Name) (Print/Type) (Title)

GHX POWER SYSTEMS LLC (Contractor) have authority to bind the Contractor with respect to its bid, and I hereby certify that Contractor has fewer than fifteen (15) employees during any 20-week period during a calendar year and also certify that Contractor has no employee safety impact positions as defined in 5.18 of Executive Order No. 1-31 that will be involved in performing this City Contract. Safety impact position means a Contractor's employment position involving job duties that if performed with inattentiveness, errors in judgment, or diminished coordination, dexterity, or composure may result in mistakes that could present a real and/or imminent threat to the personal health or safety of the employee, co-workers, and/or the public.

8/29/06
Date

Contractor Name GHX POWER SYSTEMS LLC
Signature 
Title MANAGER

**ATTACHMENT B
DRUG POLICY COMPLIANCE DECLARATION**

I, BEN B ANDREWS as an owner or officer of
 (Name) (Print/Type) (Title)
GHX POWER SYSTEMS LLC (Contractor)
 (Name of Company)

have personal knowledge and full authority to make the following declarations:

This reporting period covers the preceding six months from MARCH 2006 to AUGUST 20 06

- RK Initials A written Drug Free Workplace Policy has been implemented and employees notified. The policy meets the criteria established by the Mayor's Amended Policy on Drug Detection and Deterrence (Mayor's Policy).
- RK Initials Written drug testing procedures have been implemented in conformity with the Mayor's Drug Detection and Deterrence Procedures for Contractors, Executive Order 1-31. Employees have been notified of such procedures.
- RK Initials Collection/testing has been conducted in compliance with federal Health and Human Services (HHS) guidelines.
- RK Initials Appropriate safety impact positions have been designated for employee positions performing on the City of Houston contract. The number of total employees on safety impact positions during this reporting period is _____

RK Initial From MARCH 2006 to AUG. 2006 the following testing has occurred:
 (start date) (end date)

	<u>Random</u>	<u>Suspicion</u>	<u>Post</u> <u>Accident</u>	<u>Total</u>
Number of Employees Tested			1	1 <i>OK</i>
Number of Employees Positive			0	0
Percent Employees Positive			0	0

RK Initials Any employee who tested positive was immediately removed from the City worksite consistent with the Mayor's Policy and Executive Order No. 1-31.

RK Initials I affirm that falsification or failure to submit this declaration timely in accordance with established guidelines will be considered a breach of contract.

I declare under penalty of perjury that the affirmations made herein and all information contained in this declaration are within my personal knowledge and are true and correct.

8/29/06
Date

Contractor Name GHX POWER SYSTEMS LLC
 Signature *[Handwritten Signature]*
 Title SAFETY MANAGER

EXHIBIT "H"

FEES AND COSTS

Year One RECONDITION-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
1	HP Less than or Equal 1 RPM 3600	Each	206.00
2	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	206.00
3	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	206.00
4	HP Less than or Equal 1 RPM Less than or Equal 900	Each	206.00
5	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	206.00
6	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	206.00
7	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	206.00
8	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	235.00
9	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	235.00
10	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	235.00
11	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	235.00
12	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	294.00
13	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	294.00
14	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	294.00
15	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	294.00
16	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	353.00
17	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	353.00
18	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	353.00

Item #	Description	Unit of Measure	Unit Price
19	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	353.00
20	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	412.00
21	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	412.00
22	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1800	Each	412.00
23	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	412.00
24	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	471.00

Year One REWIND-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
25	HP Less than or Equal 1 RPM 3600	Each	235.00
26	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	235.00
27	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	306.00
28	HP Less than or Equal 1 RPM Less than or Equal 900	Each	412.00
29	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	235.00
30	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	235.00
31	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	306.00
32	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	412.00
33	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	271.00
34	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	271.00
35	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	329.00
36	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	441.00
37	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	435.00
38	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	435.00
39	HP Greater than 3 and Less than or Equal 5	Each	500.00

Item #	Description	Unit of Measure	Unit Price
40	RPM Less than or Equal 1200 HP Greater than 3 and Less than or Equal 5	Each	529.00
41	RPM Less than or Equal 900 HP Greater than 5 and Less than or Equal 7.5	Each	459.00
42	RPM 3600 HP Greater than 5 and Less than or Equal 7.5	Each	494.00
43	RPM Less than or Equal 1800 HP Greater than 5 and Less than or Equal 7.5	Each	494.00
44	RPM Less than or Equal 1200 HP Greater than 5 and Less than or Equal 7.5	Each	588.00
45	RPM Less than or Equal 900 HP Greater than 7.5 and Less than or Equal 10	Each	553.00
46	RPM 3600 HP Greater than 7.5 and Less than or Equal 10	Each	553.00
47	RPM Less than or Equal 1800 HP Greater than 7.5 and Less than or Equal 10	Each	618.00
48	RPM Less than or Equal 1200 HP Greater than 7.5 and Less than or Equal 10	Each	765.00
	RPM Less than or Equal 900		

Year One RECONDITION-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
49	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	471.00
50	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	471.00
51	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	471.00
52	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	471.00
53	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	529.00
54	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	529.00
55	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	529.00
56	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	529.00
57	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	588.00
58	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	588.00
59	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	588.00

Item #	Description	Unit of Measure	Unit Price
60	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	588.00
61	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	588.00
62	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	588.00
63	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	588.00
64	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	588.00
65	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	647.00
66	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	764.00
67	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	647.00
68	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	647.00
69	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	706.00
70	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	706.00
71	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	706.00
72	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	706.00
73	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	765.00
74	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	765.00
75	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	765.00
76	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	765.00
77	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	824.00
78	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	824.00
79	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	824.00
80	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	824.00
81	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	941.00
82	HP Greater than 75 and Less than or Equal 100	Each	941.00

Item #	Description	Unit of Measure	Unit Price
83	RPM Less than or Equal 1800 HP Greater than 75 and Less than or Equal 100	Each	941.00
84	RPM Less than or Equal 1200 HP Greater than 75 and Less than or Equal 100	Each	941.00
	RPM Less than or Equal 900		

Year One REWIND-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
85	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	647.00
86	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	647.00
87	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	765.00
88	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	894.00
89	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	706.00
90	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	706.00
91	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	882.00
92	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	1000.00
93	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	824.00
94	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	824.00
95	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	941.00
96	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	1059.00
97	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	824.00
98	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	941.00
99	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	1059.00
100	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	1059.00
101	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	1176.00
102	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	1059.00

Item #	Description	Unit of Measure	Unit Price
103	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	1176.00
104	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	1294.00
105	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	1412.00
106	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	1176.00
107	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	1176.00
108	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	1412.00
109	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	1412.00
110	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	1176.00
111	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	1176.00
112	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	1529.00
113	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	1647.00
114	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	1647.00
115	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	1647.00
116	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	1882.00
117	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	1882.00
118	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	1882.00
119	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	2118.00
120	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	2353.00

Year One RECONDITION-REPAIR PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
121	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	1059.00
122	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	1059.00
123	HP Greater than 100 and Less than or Equal 125	Each	1059.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1200		
124	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	1176.00
125	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	1412.00
126	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	1647.00
127	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	1647.00
128	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	1882.00
129	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	1647.00
130	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	1882.00
131	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	1882.00
132	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	1882.00
133	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	1882.00
134	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	1882.00
135	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	1882.00
136	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	1882.00
137	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	1882.00
138	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	1882.00
139	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	1882.00
140	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	1882.00
141	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	1882.00
142	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	1882.00
143	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	1882.00
144	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	1882.00
145	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	2118.00

Item #	Description	Unit of Measure	Unit Price
146	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	2118.00
147	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	2118.00
148	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	2118.00
149	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	2118.00
150	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	2118.00
151	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	2118.00
152	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	2118.00
153	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	2353.00
154	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	2353.00
155	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	2353.00
156	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	2353.00

Year One REWIND- PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
157	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	2118.00
158	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	2118.00
159	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	2118.00
160	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	2353.00
161	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	2824.00
162	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	2588.00
163	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	2588.00
164	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	2824.00
165	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	3059.00
166	HP Greater than 150 and Less than or Equal 200	Each	2588.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1800		
167	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	2588.00
168	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	3059.00
169	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	2824.00
170	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	2824.00
171	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	2824.00
172	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	3059.00
173	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	3882.00
174	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	3882.00
175	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	3882.00
176	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	3882.00
177	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	3882.00
178	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	3882.00
179	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	4235.00
180	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	4235.00
181	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	4941.00
182	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	4941.00
183	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	5176.00
184	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	5176.00
185	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	4941.00
186	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	4941.00
187	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	5176.00
188	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	5176.00

Item #	Description	Unit of Measure	Unit Price
189	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	5412.00
190	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	5412.00
191	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	5647.00
192	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	5882.00

Year One Additional Costs: Labor Unit Prices

Item #	Description	Unit of Measure	Unit Price
193	LABOR RATE: Standard Electrical	Per Hour	45.00
194	LABOR RATE: Overtime Electrical	Per Hour	45.00
195	LABOR RATE: Emergency Electrical	Per Hour	45.00
196	LABOR RATE: Standard Mechanical	Per Hour	45.00
197	LABOR RATE: Overtime Mechanical	Per Hour	45.00
198	LABOR RATE: Emergency Mechanical	Per Hour	45.00
199	LABOR RATE: Machining, Standard	Per Hour	60.00
200	LABOR RATE: Machining, Overtime	Per Hour	60.00
201	LABOR RATE: Machining, Emergency	Per Hour	60.00
202	NON-REPAIRABLE Shop Cost, Group I	Each	55.00
203	NON-REPAIRABLE Shop Cost, Group II	Each	55.00
204	NON-REPAIRABLE Shop Cost, Group III	Each	55.00
205	UL Re-Certification	Each	380.00
206	Non-Destructive Testing	Per Test	1000.00

Year One Additional Cost: Parts and Other Charges Percent Mark-up

Percent Markup of Materials: **25.0 %**

Item #	Description
207	Chroming Shaft
208	Metallizing Shaft
209	Parts and Material
210	Cost to Replace a unit of Group-I
211	Cost to Replace a unit of Group-II
212	Cost to Replace a unit of Group-III
213	Emergency: Recondition-Repair Assumed Standard Unit Cost to do the work of recondition-Repair of a motor (for actual the quoted price shall be used).
214	Emergency: Rewind-Repair Assumed Standard Unit Cost to do the work of Rewind-Repair of a motor (for actual the quoted price shall be used).
215	Efficiency Testing

Year Two RECONDITION-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
1	HP Less than or Equal 1 RPM 3600	Each	206.00
2	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	206.00
3	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	206.00
4	HP Less than or Equal 1 RPM Less than or Equal 900	Each	206.00
5	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	206.00
6	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	206.00
7	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	206.00
8	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	235.00
9	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	235.00
10	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	235.00
11	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	235.00
12	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	294.00
13	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	294.00
14	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	294.00
15	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	294.00
16	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	353.00
17	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	353.00
18	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	353.00
19	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	353.00
20	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	412.00
21	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	412.00
22	HP Greater than 7.5 and Less than or Equal 10	Each	412.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1800		
23	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	412.00
24	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	471.00

Year Two REWIND-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
25	HP Less than or Equal 1 RPM 3600	Each	235.00
26	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	235.00
27	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	306.00
28	HP Less than or Equal 1 RPM Less than or Equal 900	Each	412.00
29	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	235.00
30	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	235.00
31	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	306.00
32	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	412.00
33	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	271.00
34	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	271.00
35	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	329.00
36	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	441.00
37	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	435.00
38	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	435.00
39	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	500.00
40	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	529.00
41	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	459.00
42	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	494.00

Item #	Description	Unit of Measure	Unit Price
43	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	494.00
44	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	588.00
45	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	553.00
46	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1800	Each	553.00
47	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	618.00
48	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	647.00

Year Two RECONDITION-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
49	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	471.00
50	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	471.00
51	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	471.00
52	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	471.00
53	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	529.00
54	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	529.00
55	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	529.00
56	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	529.00
57	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	588.00
58	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	588.00
59	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	588.00
60	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	588.00
61	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	588.00
62	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	588.00
63	HP Greater than 25 and Less than or Equal 30	Each	588.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1200		
64	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	588.00
65	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	647.00
66	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	647.00
67	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	647.00
68	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	647.00
69	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	706.00
70	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	706.00
71	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	706.00
72	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	706.00
73	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	765.00
74	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	765.00
75	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	765.00
76	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	765.00
77	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	824.00
78	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	824.00
79	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	824.00
80	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	824.00
81	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	941.00
82	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	941.00
83	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	941.00
84	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	941.00

Year Two REWIND-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
85	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	647.00
86	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	647.00
87	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	765.00
88	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	882.00
89	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	706.00
90	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	706.00
91	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	882.00
92	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	1000.00
93	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	824.00
94	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	824.00
95	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	941.00
96	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	1059.00
97	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	824.00
98	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	841.00
99	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	1059.00
100	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	1059.00
101	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	1176.00
102	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	1059.00
103	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	1176.00
104	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	1294.00
105	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	1412.00
106	HP Greater than 40 and Less than or Equal 50	Each	1176.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1800		
107	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	1176.00
108	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	1412.00
109	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	1412.00
110	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	1176.00
111	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	1176.00
112	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	1529.00
113	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	1647.00
114	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	1647.00
115	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	1647.00
116	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	1882.00
117	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	1882.00
118	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	1882.00
119	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	2118.00
120	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	2353.00

Year Two RECONDITION-REPAIR PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
121	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	1059.00
122	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	1059.00
123	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	1059.00
124	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	1176.00
125	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	1412.00
126	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	1647.00

Item #	Description	Unit of Measure	Unit Price
127	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	1647.00
128	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	1882.00
129	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	1647.00
130	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	1882.00
131	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	1882.00
132	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	1882.00
133	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	1882.00
134	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	1882.00
135	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	1882.00
136	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	1882.00
137	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	1882.00
138	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	1882.00
139	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	1882.00
140	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	1882.00
141	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	1882.00
142	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	1882.00
143	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	1882.00
144	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	1882.00
145	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	2118.00
146	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	2118.00
147	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	2118.00
148	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	2118.00
149	HP Greater than 400 and Less than or Equal 450	Each	2118.00

Item #	Description	Unit of Measure	Unit Price
	RPM 3600		
150	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	2118.00
151	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	2118.00
152	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	2118.00
153	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	2353.00
154	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	2353.00
155	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	2353.00
156	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	2353.00

Year Two REWIND- PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
157	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	2118.00
158	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	2118.00
159	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	2118.00
160	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	2353.00
161	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	2824.00
162	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	2588.00
163	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	2588.00
164	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	2824.00
165	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	3059.00
166	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	2588.00
167	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	2588.00
168	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	3059.00
169	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	2824.00

Item #	Description	Unit of Measure	Unit Price
170	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	2824.00
171	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	2824.00
172	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	3059.00
173	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	3882.00
174	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	3882.00
175	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	3882.00
176	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	3882.00
177	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	3882.00
178	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	3882.00
179	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	4235.00
180	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	4235.00
181	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	4941.00
182	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	4941.00
183	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	5176.00
184	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	5176.00
185	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	4941.00
186	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	4941.00
187	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	5176.00
188	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	5176.00
189	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	5412.00
190	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	5412.00
191	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	5647.00
192	HP Greater than 450 and Less than or Equal 500	Each	5882.00

Item #	Description	Unit of Measure	Unit Price
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RPM Less than or Equal 900

Year Two Additional Costs: Labor Unit Prices

Item #	Description	Unit of Measure	Unit Price
193	LABOR RATE: Standard Electrical	Per Hour	45.00
194	LABOR RATE: Overtime Electrical	Per Hour	45.00
195	LABOR RATE: Emergency Electrical	Per Hour	45.00
196	LABOR RATE: Standard Mechanical	Per Hour	45.00
197	LABOR RATE: Overtime Mechanical	Per Hour	45.00
198	LABOR RATE: Emergency Mechanical	Per Hour	45.00
199	LABOR RATE: Machining, Standard	Per Hour	60.00
200	LABOR RATE: Machining, Overtime	Per Hour	60.00
201	LABOR RATE: Machining, Emergency	Per Hour	60.00
202	NON-REPAIRABLE Shop Cost, Group I	Each	55.00
203	NON-REPAIRABLE Shop Cost, Group II	Each	55.00
204	NON-REPAIRABLE Shop Cost, Group III	Each	55.00
205	UL Re-Certification	Each	380.00
206	Non-Destructive Testing	Per Test	1000.00

Year Two Additional Cost: Parts and Other Charges Percent Mark-up

Percent Markup of Materials: 25.0 %

Item #	Description	Unit of Measure	Unit Price
207	Chroming Shaft		
208	Metallizing Shaft		
209	Parts and Material		
210	Cost to Replace a unit of Group-I		
211	Cost to Replace a unit of Group-II		
212	Cost to Replace a unit of Group-III		
213	Emergency: Recondition-Repair Assumed Standard Unit Cost to do the work of recondition-Repair of a motor (for actual the quoted price shall be used).		
214	Emergency: Rewind-Repair Assumed Standard Unit Cost to do the work of Rewind-Repair of a motor (for actual the quoted price shall be used).		
215	Efficiency Testing		

Year Three RECONDITION-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
1	HP Less than or Equal 1 RPM 3600	Each	218.00

Item #	Description	Unit of Measure	Unit Price
2	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	218.00
3	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	218.00
4	HP Less than or Equal 1 RPM Less than or Equal 900	Each	218.00
5	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	218.00
6	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	218.00
7	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	218.00
8	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	247.00
9	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	247.00
10	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	247.00
11	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	247.00
12	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	294.00
13	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	294.00
14	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	294.00
15	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	294.00
16	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	371.00
17	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	371.00
18	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	371.00
19	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	371.00
20	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	412.00
21	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	412.00
22	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1800	Each	412.00
23	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	412.00
24	HP Greater than 7.5 and Less than or Equal 10	Each	471.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 900		

Year Three REWIND-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
25	HP Less than or Equal 1 RPM 3600	Each	247.00
26	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	247.00
27	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	324.00
28	HP Less than or Equal 1 RPM Less than or Equal 900	Each	424.00
29	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	247.00
30	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	247.00
31	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	324.00
32	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	424.00
33	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	282.00
34	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	282.00
35	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	353.00
36	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	459.00
37	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	447.00
38	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	447.00
39	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	529.00
40	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	559.00
41	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	471.00
42	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	500.00
43	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	518.00
44	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	618.00

Item #	Description	Unit of Measure	Unit Price
45	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	588.00
46	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1800	Each	588.00
47	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	606.00
48	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	671.00

Year Three RECONDITION-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
49	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	494.00
50	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	494.00
51	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	494.00
52	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	494.00
53	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	559.00
54	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	559.00
55	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	559.00
56	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	559.00
57	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	618.00
58	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	618.00
59	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	618.00
60	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	618.00
61	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	618.00
62	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	618.00
63	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	618.00
64	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	618.00
65	HP Greater than 30 and Less than or Equal 40	Each	676.00

Item #	Description	Unit of Measure	Unit Price
	RPM 3600		
66	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	676.00
67	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	676.00
68	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	676.00
69	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	741.00
70	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	741.00
71	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	741.00
72	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	741.00
73	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	800.00
74	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	800.00
75	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	800.00
76	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	800.00
77	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	865.00
78	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	865.00
79	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	865.00
80	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	865.00
81	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	988.00
82	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	988.00
83	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	988.00
84	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	988.00

Year Three REWIND-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
85	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	676.00

Item #	Description	Unit of Measure	Unit Price
86	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	676.00
87	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	800.00
88	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	924.00
89	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	741.00
90	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	741.00
91	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	924.00
92	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	1047.00
93	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	865.00
94	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	865.00
95	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	988.00
96	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	1112.00
97	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	865.00
98	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	988.00
99	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	1112.00
100	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	1118.00
101	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	1235.00
102	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	1118.00
103	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	1235.00
104	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	1359.00
105	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	1482.00
106	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	1235.00
107	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	1235.00
108	HP Greater than 40 and Less than or Equal 50	Each	1482.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 900		
109	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	1482.00
110	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	1235.00
111	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	1235.00
112	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	1606.00
113	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	1729.00
114	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	1729.00
115	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	1729.00
116	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	1976.00
117	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	1976.00
118	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	1976.00
119	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	2224.00
120	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	2471.00

Year Three RECONDITION-REPAIR PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
121	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	1112.00
122	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	1112.00
123	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	1112.00
124	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	1235.00
125	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	1482.00
126	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	1729.00
127	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	1729.00
128	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	1976.00

Item #	Description	Unit of Measure	Unit Price
129	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	1729.00
130	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	1976.00
131	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	1976.00
132	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	1976.00
133	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	1976.00
134	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	1976.00
135	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	1976.00
136	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	1976.00
137	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	1976.00
138	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	1976.00
139	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	1976.00
140	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	1976.00
141	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	1976.00
142	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	1976.00
143	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	1976.00
144	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	1976.00
145	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	2224.00
146	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	2224.00
147	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	2224.00
148	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	2224.00
149	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	2224.00
150	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	2224.00
151	HP Greater than 400 and Less than or Equal 450	Each	2224.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1200		
152	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	2224.00
153	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	2471.00
154	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	2471.00
155	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	2471.00
156	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	2471.00

Year Three REWIND- PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
157	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	2224.00
158	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	2224.00
159	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	2224.00
160	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	2471.00
161	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	2965.00
162	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	2718.00
163	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	2718.00
164	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	2965.00
165	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	3212.00
166	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	2718.00
167	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	2718.00
168	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	3212.00
169	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	2965.00
170	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	2965.00
171	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	2965.00

Item #	Description	Unit of Measure	Unit Price
172	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	3212.00
173	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	4076.00
174	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	4076.00
175	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	4076.00
176	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	4076.00
177	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	4076.00
178	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	4076.00
179	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	4447.00
180	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	4447.00
181	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	5188.00
182	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	5188.00
183	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	5435.00
184	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	5435.00
185	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	5188.00
186	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	5188.00
187	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	5435.00
188	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	5435.00
189	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	5682.00
190	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	5682.00
191	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	5929.00
192	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	6176.00

Year Three Additional Costs: Labor Unit Prices

Item #	Description	Unit of Measure	Unit Price
193	LABOR RATE: Standard Electrical	Per Hour	45.00
194	LABOR RATE: Overtime Electrical	Per Hour	45.00
195	LABOR RATE: Emergency Electrical	Per Hour	45.00
196	LABOR RATE: Standard Mechanical	Per Hour	45.00
197	LABOR RATE: Overtime Mechanical	Per Hour	45.00
198	LABOR RATE: Emergency Mechanical	Per Hour	45.00
199	LABOR RATE: Machining, Standard	Per Hour	60.00
200	LABOR RATE: Machining, Overtime	Per Hour	60.00
201	LABOR RATE: Machining, Emergency	Per Hour	60.00
202	NON-REPAIRABLE Shop Cost, Group I	Each	55.00
203	NON-REPAIRABLE Shop Cost, Group II	Each	55.00
204	NON-REPAIRABLE Shop Cost, Group III	Each	55.00
205	UL Re-Certification	Each	380.00
206	Non-Destructive Testing	Per Test	1000.00

Year Three Additional Cost: Parts and Other Charges Percent Mark-up

Percent Markup of Materials: **25.0 %**

Item #	Description	Unit of Measure	Unit Price
207	Chroming Shaft		
208	Metallizing Shaft		
209	Parts and Material		
210	Cost to Replace a unit of Group-I		
211	Cost to Replace a unit of Group-II		
212	Cost to Replace a unit of Group-III		
213	Emergency: Recondition-Repair Assumed Standard Unit Cost to do the work of recondition-Repair of a motor (for actual the quoted price shall be used).		
214	Emergency: Rewind-Repair Assumed Standard Unit Cost to do the work of Rewind-Repair of a motor (for actual the quoted price shall be used).		
215	Efficiency Testing		

Year Four (Option Year One) RECONDITION-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
1	HP Less than or Equal 1 RPM 3600	Each	218.00
2	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	218.00
3	HP Less than or Equal 1	Each	218.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1200		
4	HP Less than or Equal 1 RPM Less than or Equal 900	Each	218.00
5	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	218.00
6	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	218.00
7	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	218.00
8	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	247.00
9	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	247.00
10	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	247.00
11	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	247.00
12	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	306.00
13	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	306.00
14	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	306.00
15	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	306.00
16	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	371.00
17	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	371.00
18	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	371.00
19	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	371.00
20	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	429.00
21	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	429.00
22	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1800	Each	429.00
23	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	429.00
24	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	494.00

Year Four (Option Year One) REWIND-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
25	HP Less than or Equal 1 RPM 3600	Each	247.00
26	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	247.00
27	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	324.00
28	HP Less than or Equal 1 RPM Less than or Equal 900	Each	429.00
29	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	247.00
30	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	247.00
31	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	324.00
32	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	429.00
33	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	282.00
34	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	282.00
35	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	347.00
36	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	465.00
37	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	447.00
38	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	447.00
39	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	529.00
40	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	559.00
41	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	482.00
42	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	518.00
43	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	518.00
44	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	618.00
45	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	588.00
46	HP Greater than 7.5 and Less than or Equal 10	Each	588.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1800		
47	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	647.00
48	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	676.00

Year Four (Option Year One) RECONDITION-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
49	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	494.00
50	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	494.00
51	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	494.00
52	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	494.00
53	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	559.00
54	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	559.00
55	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	559.00
56	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	559.00
57	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	618.00
58	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	618.00
59	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	618.00
60	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	618.00
61	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	618.00
62	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	618.00
63	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	618.00
64	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	618.00
65	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	676.00
66	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	676.00

Item #	Description	Unit of Measure	Unit Price
67	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	676.00
68	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	676.00
69	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	741.00
70	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	741.00
71	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	741.00
72	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	741.00
73	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	800.00
74	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	800.00
75	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	800.00
76	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	800.00
77	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	865.00
78	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	865.00
79	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	865.00
80	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	865.00
81	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	988.00
82	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	988.00
83	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	988.00
84	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	988.00

Year Four (Option Year One) REWIND-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
85	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	676.00
86	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	676.00
87	HP Greater than 10 and Less than or Equal 15	Each	800.00

Item #	Description	Unit of Measure	Unit Price
88	RPM Less than or Equal 1200 HP 10 and Less than or Equal 15	Each	924.00
89	RPM Less than or Equal 900 HP Greater than 15 and Less than or Equal 20	Each	741.00
90	RPM 3600 HP Greater than 15 and Less than or Equal 20	Each	741.00
91	RPM Less than or Equal 1800 HP Greater than 15 and Less than or Equal 20	Each	924.00
92	RPM Less than or Equal 1200 HP Greater than 15 and Less than or Equal 20	Each	1053.00
93	RPM Less than or Equal 900 HP Greater than 20 and Less than or Equal 25	Each	865.00
94	RPM 3600 HP Greater than 20 and Less than or Equal 25	Each	865.00
95	RPM Less than or Equal 1800 HP Greater than 20 and Less than or Equal 25	Each	988.00
96	RPM Less than or Equal 1200 HP Greater than 20 and Less than or Equal 25	Each	1112.00
97	RPM Less than or Equal 900 HP Greater than 25 and Less than or Equal 30	Each	865.00
98	RPM 3600 HP Greater than 25 and Less than or Equal 30	Each	988.00
99	RPM Less than or Equal 1800 HP Greater than 25 and Less than or Equal 30	Each	1112.00
100	RPM Less than or Equal 1200 HP Greater than 25 and Less than or Equal 30	Each	1112.00
101	RPM Less than or Equal 900 HP Greater than 30 and Less than or Equal 40	Each	1235.00
102	RPM 3600 HP Greater than 30 and Less than or Equal 40	Each	1112.00
103	RPM Less than or Equal 1800 HP Greater than 30 and Less than or Equal 40	Each	1235.00
104	RPM Less than or Equal 1200 HP Greater than 30 and Less than or Equal 40	Each	1359.00
105	RPM Less than or Equal 900 HP Greater than 40 and Less than or Equal 50	Each	1482.00
106	RPM 3600 HP Greater than 40 and Less than or Equal 50	Each	1235.00
107	RPM Less than or Equal 1800 HP Greater than 40 and Less than or Equal 50	Each	1235.00
108	RPM Less than or Equal 1200 HP Greater than 40 and Less than or Equal 50	Each	1482.00
109	RPM Less than or Equal 900 HP Greater than 50 and Less than or Equal 60	Each	1482.00
	RPM 3600		

Item #	Description	Unit of Measure	Unit Price
110	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	1235.00
111	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	1235.00
112	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	1606.00
113	HP Greater than 60 and Less than or Equal 75 RPM 3600	Each	1729.00
114	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	1729.00
115	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	1729.00
116	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	1976.00
117	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	1976.00
118	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	1976.00
119	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	2224.00
120	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	2471.00

Year Four (Option Year One) RECONDITION-REPAIR PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
121	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	1112.00
122	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	1112.00
123	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	1112.00
124	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	1235.00
125	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	1482.00
126	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	1729.00
127	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	1729.00
128	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	1976.00
129	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	1729.00
130	HP Greater than 150 and Less than or Equal 200	Each	1976.00

Item #	Description	Unit of Measure	Unit Price
	RPM Less than or Equal 1800		
131	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	1976.00
132	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	1976.00
133	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	1976.00
134	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	1976.00
135	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	1976.00
136	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	1976.00
137	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	1976.00
138	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	1976.00
139	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	1976.00
140	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	1976.00
141	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	1976.00
142	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	1976.00
143	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	1976.00
144	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	1976.00
145	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	2224.00
146	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	2224.00
147	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	2224.00
148	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	2224.00
149	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	2224.00
150	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	2224.00
151	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	2224.00
152	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	2224.00

Item #	Description	Unit of Measure	Unit Price
153	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	2471.00
154	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	2471.00
155	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	2471.00
156	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	2471.00

Year Four (Option Year One) REWIND- PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
157	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	2224.00
158	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	2224.00
159	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	2224.00
160	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	2471.00
161	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	2965.00
162	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	2718.00
163	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	2718.00
164	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	2965.00
165	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	3212.00
166	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	2718.00
167	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	2718.00
168	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	3212.00
169	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	2965.00
170	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	2965.00
171	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	2965.00
172	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	3212.00
173	HP Greater than 250 and Less than or Equal 300	Each	4076.00

Item #	Description	Unit of Measure	Unit Price
	RPM 3600		
174	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	4076.00
175	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	4076.00
176	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	4076.00
177	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	4076.00
178	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	4076.00
179	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	4447.00
180	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	4447.00
181	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	5188.00
182	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	5188.00
183	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	5435.00
184	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	5435.00
185	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	5435.00
186	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	5435.00
187	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	5435.00
188	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	5435.00
189	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	5682.00
190	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	5682.00
191	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	5929.00
192	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	6176.00

Year Four (Option Year One) Additional Costs: Labor Unit Prices

Item #	Description	Unit of Measure	Unit Price
193	LABOR RATE: Standard Electrical	Per Hour	45.00
194	LABOR RATE: Overtime Electrical	Per Hour	45.00
195	LABOR RATE: Emergency Electrical	Per Hour	45.00

Item #	Description	Unit of Measure	Unit Price
196	LABOR RATE: Standard Mechanical	Per Hour	45.00
197	LABOR RATE: Overtime Mechanical	Per Hour	45.00
198	LABOR RATE: Emergency Mechanical	Per Hour	45.00
199	LABOR RATE: Machining, Standard	Per Hour	60.00
200	LABOR RATE: Machining, Overtime	Per Hour	60.00
201	LABOR RATE: Machining, Emergency	Per Hour	60.00
202	NON-REPAIRABLE Shop Cost, Group I	Each	55.00
203	NON-REPAIRABLE Shop Cost, Group II	Each	55.00
204	NON-REPAIRABLE Shop Cost, Group III	Each	55.00
205	UL Re-Certification	Each	380.00
206	Non-Destructive Testing	Per Test	1000.00

Year Four (Option Year One) Additional Cost: Parts and Other Charges Percent Mark-up

Percent Markup of Materials: **25.0 %**

Item #	Description	Unit of Measure	Unit Price
207	Chroming Shaft		
208	Metallizing Shaft		
209	Parts and Material		
210	Cost to Replace a unit of Group-I		
211	Cost to Replace a unit of Group-II		
212	Cost to Replace a unit of Group-III		
213	Emergency: Recondition-Repair Assumed Standard Unit Cost to do the work of recondition-Repair of a motor (for actual the quoted price shall be used).		
214	Emergency: Rewind-Repair Assumed Standard Unit Cost to do the work of Rewind-Repair of a motor (for actual the quoted price shall be used).		
215	Efficiency Testing		

Year Five (Option Year Two) RECONDITION-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
1	HP Less than or Equal 1 RPM 3600	Each	218.00
2	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	218.00
3	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	218.00
4	HP Less than or Equal 1 RPM Less than or Equal 900	Each	218.00
5	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	218.00
6	HP Greater than 1 and Less than or Equal 2	Each	218.00

Item #	Description	Unit of Measure	Unit Price
7	RPM Less than or Equal 1800 HP Greater than 1 and Less than or Equal 2	Each	218.00
8	RPM Less than or Equal 1200 HP Greater than 1 and Less than or Equal 2	Each	247.00
9	RPM Less than or Equal 900 HP Greater than 2 and Less than or Equal 3	Each	247.00
10	RPM 3600 HP Greater than 2 and Less than or Equal 3	Each	247.00
11	RPM Less than or Equal 1800 HP Greater than 2 and Less than or Equal 3	Each	247.00
12	RPM Less than or Equal 1200 HP Greater than 2 and Less than or Equal 3	Each	306.00
13	RPM Less than or Equal 900 HP Greater than 3 and Less than or Equal 5	Each	306.00
14	RPM 3600 HP Greater than 3 and Less than or Equal 5	Each	306.00
15	RPM Less than or Equal 1800 HP Greater than 3 and Less than or Equal 5	Each	306.00
16	RPM Less than or Equal 1200 HP Greater than 3 and Less than or Equal 5	Each	306.00
17	RPM Less than or Equal 900 HP Greater than 3 and Less than or Equal 5	Each	371.00
18	RPM Less than or Equal 900 HP Greater than 5 and Less than or Equal 7.5	Each	371.00
19	RPM 3600 HP Greater than 5 and Less than or Equal 7.5	Each	371.00
20	RPM Less than or Equal 1800 HP Greater than 5 and Less than or Equal 7.5	Each	371.00
21	RPM Less than or Equal 1200 HP Greater than 5 and Less than or Equal 7.5	Each	371.00
22	RPM Less than or Equal 900 HP Greater than 5 and Less than or Equal 7.5	Each	429.00
23	RPM Less than or Equal 900 HP Greater than 7.5 and Less than or Equal 10	Each	429.00
24	RPM 3600 HP Greater than 7.5 and Less than or Equal 10	Each	429.00
	RPM Less than or Equal 1800 HP Greater than 7.5 and Less than or Equal 10	Each	429.00
	RPM Less than or Equal 1200 HP Greater than 7.5 and Less than or Equal 10	Each	429.00
	RPM Less than or Equal 900 HP Greater than 7.5 and Less than or Equal 10	Each	494.00

Year Five (Option Year Two) REWIND-REPAIR PRICES FOR GROUP-I Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
25	HP Less than or Equal 1 RPM 3600	Each	247.00
26	HP Less than or Equal 1 RPM Less than or Equal 1800	Each	247.00

Item #	Description	Unit of Measure	Unit Price
27	HP Less than or Equal 1 RPM Less than or Equal 1200	Each	324.00
28	HP Less than or Equal 1 RPM Less than or Equal 900	Each	429.00
29	HP Greater than 1 and Less than or Equal 2 RPM 3600	Each	247.00
30	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1800	Each	247.00
31	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 1200	Each	324.00
32	HP Greater than 1 and Less than or Equal 2 RPM Less than or Equal 900	Each	429.00
33	HP Greater than 2 and Less than or Equal 3 RPM 3600	Each	282.00
34	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1800	Each	282.00
35	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 1200	Each	347.00
36	HP Greater than 2 and Less than or Equal 3 RPM Less than or Equal 900	Each	465.00
37	HP Greater than 3 and Less than or Equal 5 RPM 3600	Each	447.00
38	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1800	Each	447.00
39	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 1200	Each	529.00
40	HP Greater than 3 and Less than or Equal 5 RPM Less than or Equal 900	Each	559.00
41	HP Greater than 5 and Less than or Equal 7.5 RPM 3600	Each	482.00
42	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1800	Each	518.00
43	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 1200	Each	518.00
44	HP Greater than 5 and Less than or Equal 7.5 RPM Less than or Equal 900	Each	618.00
45	HP Greater than 7.5 and Less than or Equal 10 RPM 3600	Each	588.00
46	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1800	Each	588.00
47	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 1200	Each	647.00
48	HP Greater than 7.5 and Less than or Equal 10 RPM Less than or Equal 900	Each	676.00

Year Five (Option Year Two) RECONDITION-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
49	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	494.00
50	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	494.00
51	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	494.00
52	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	494.00
53	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	559.00
54	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	559.00
55	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	559.00
56	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	559.00
57	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	618.00
58	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	618.00
59	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	618.00
60	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	618.00
61	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	618.00
62	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	618.00
63	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	618.00
64	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	618.00
65	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	676.00
66	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	676.00
67	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	676.00
68	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	676.00
69	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	741.00
70	HP Greater than 40 and Less than or Equal 50	Each	741.00

Item #	Description	Unit of Measure	Unit Price
71	RPM Less than or Equal 1800 HP Greater than 40 and Less than or Equal 50	Each	741.00
72	RPM Less than or Equal 1200 HP Greater than 40 and Less than or Equal 50	Each	741.00
73	RPM Less than or Equal 900 HP Greater than 50 and Less than or Equal 60	Each	800.00
74	RPM 3600 HP Greater than 50 and Less than or Equal 60	Each	800.00
75	RPM Less than or Equal 1800 HP Greater than 50 and Less than or Equal 60	Each	800.00
76	RPM Less than or Equal 1200 HP Greater than 50 and Less than or Equal 60	Each	800.00
77	RPM Less than or Equal 900 HP Greater than 60 and Less than or Equal 75	Each	865.00
78	RPM 3600 HP Greater than 60 and Less than or Equal 75	Each	865.00
79	RPM Less than or Equal 1800 HP Greater than 60 and Less than or Equal 75	Each	865.00
80	RPM Less than or Equal 1200 HP Greater than 60 and Less than or Equal 75	Each	865.00
81	RPM Less than or Equal 900 HP Greater than 75 and Less than or Equal 100	Each	988.00
82	RPM 3600 HP Greater than 75 and Less than or Equal 100	Each	988.00
83	RPM Less than or Equal 1800 HP Greater than 75 and Less than or Equal 100	Each	988.00
84	RPM Less than or Equal 1200 HP Greater than 75 and Less than or Equal 100	Each	988.00
	RPM Less than or Equal 900	Each	988.00

Year Five (Option Year Two) REWIND-REPAIR PRICES FOR GROUP-II Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
85	HP Greater than 10 and Less than or Equal 15 RPM 3600	Each	676.00
86	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1800	Each	676.00
87	HP Greater than 10 and Less than or Equal 15 RPM Less than or Equal 1200	Each	800.00
88	HP 10 and Less than or Equal 15 RPM Less than or Equal 900	Each	924.00
89	HP Greater than 15 and Less than or Equal 20 RPM 3600	Each	741.00
90	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1800	Each	741.00

Item #	Description	Unit of Measure	Unit Price
91	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 1200	Each	924.00
92	HP Greater than 15 and Less than or Equal 20 RPM Less than or Equal 900	Each	1053.00
93	HP Greater than 20 and Less than or Equal 25 RPM 3600	Each	865.00
94	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1800	Each	865.00
95	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 1200	Each	988.00
96	HP Greater than 20 and Less than or Equal 25 RPM Less than or Equal 900	Each	1112.00
97	HP Greater than 25 and Less than or Equal 30 RPM 3600	Each	865.00
98	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1800	Each	988.00
99	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 1200	Each	1112.00
100	HP Greater than 25 and Less than or Equal 30 RPM Less than or Equal 900	Each	1112.00
101	HP Greater than 30 and Less than or Equal 40 RPM 3600	Each	1235.00
102	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1800	Each	1112.00
103	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 1200	Each	1235.00
104	HP Greater than 30 and Less than or Equal 40 RPM Less than or Equal 900	Each	1359.00
105	HP Greater than 40 and Less than or Equal 50 RPM 3600	Each	1482.00
106	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1800	Each	1235.00
107	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 1200	Each	1235.00
108	HP Greater than 40 and Less than or Equal 50 RPM Less than or Equal 900	Each	1482.00
109	HP Greater than 50 and Less than or Equal 60 RPM 3600	Each	1482.00
110	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1800	Each	1235.00
111	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 1200	Each	1235.00
112	HP Greater than 50 and Less than or Equal 60 RPM Less than or Equal 900	Each	1606.00
113	HP Greater than 60 and Less than or Equal 75	Each	1729.00

Item #	Description	Unit of Measure	Unit Price
	RPM 3600		
114	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1800	Each	1729.00
115	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 1200	Each	1729.00
116	HP Greater than 60 and Less than or Equal 75 RPM Less than or Equal 900	Each	1976.00
117	HP Greater than 75 and Less than or Equal 100 RPM 3600	Each	1976.00
118	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1800	Each	1976.00
119	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 1200	Each	2224.00
120	HP Greater than 75 and Less than or Equal 100 RPM Less than or Equal 900	Each	2471.00

Year Five (Option Year Two) RECONDITION-REPAIR PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
121	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	1112.00
122	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	1112.00
123	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	1112.00
124	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	1235.00
125	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	1482.00
126	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	1729.00
127	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	1729.00
128	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	1976.00
129	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	1729.00
130	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	1976.00
131	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	1976.00
132	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	1976.00
133	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	1976.00

Item #	Description	Unit of Measure	Unit Price
134	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	1976.00
135	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	1976.00
136	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	1976.00
137	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	1976.00
138	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	1976.00
139	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	1976.00
140	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	1976.00
141	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	1976.00
142	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	1976.00
143	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	1976.00
144	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	1976.00
145	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	2224.00
146	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	2224.00
147	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	2224.00
148	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	2224.00
149	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	2224.00
150	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	2224.00
151	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	2224.00
152	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	2224.00
153	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	2471.00
154	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	2471.00
155	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	2471.00
156	HP Greater than 450 and Less than or Equal 500	Each	2471.00

Item #	Description	Unit of Measure	Unit Price
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RPM Less than or Equal 900

Year Five (Option Year Two) REWIND- PRICES FOR GROUP-III Single-Phase and 3-Phase Squirrel Cage Induction Motors

Item #	Description	Unit of Measure	Unit Price
157	HP Greater than 100 and Less than or Equal 125 RPM 3600	Each	2224.00
158	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1800	Each	2224.00
159	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 1200	Each	2224.00
160	HP Greater than 100 and Less than or Equal 125 RPM Less than or Equal 900	Each	2471.00
161	HP Greater than 125 and Less than or Equal 150 RPM 3600	Each	2965.00
162	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1800	Each	2718.00
163	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 1200	Each	2718.00
164	HP Greater than 125 and Less than or Equal 150 RPM Less than or Equal 900	Each	2965.00
165	HP Greater than 150 and Less than or Equal 200 RPM 3600	Each	3212.00
166	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1800	Each	2718.00
167	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 1200	Each	2718.00
168	HP Greater than 150 and Less than or Equal 200 RPM Less than or Equal 900	Each	3212.00
169	HP Greater than 200 and Less than or Equal 250 RPM 3600	Each	2965.00
170	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1800	Each	2965.00
171	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 1200	Each	2965.00
172	HP Greater than 200 and Less than or Equal 250 RPM Less than or Equal 900	Each	3212.00
173	HP Greater than 250 and Less than or Equal 300 RPM 3600	Each	4076.00
174	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1800	Each	4076.00
175	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 1200	Each	4076.00
176	HP Greater than 250 and Less than or Equal 300 RPM Less than or Equal 900	Each	4076.00

Item #	Description	Unit of Measure	Unit Price
177	HP Greater than 300 and Less than or Equal 350 RPM 3600	Each	4076.00
178	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1800	Each	4076.00
179	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 1200	Each	4447.00
180	HP Greater than 300 and Less than or Equal 350 RPM Less than or Equal 900	Each	4447.00
181	HP Greater than 350 and Less than or Equal 400 RPM 3600	Each	5188.00
182	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1800	Each	5188.00
183	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 1200	Each	5435.00
184	HP Greater than 350 and Less than or Equal 400 RPM Less than or Equal 900	Each	5435.00
185	HP Greater than 400 and Less than or Equal 450 RPM 3600	Each	5188.00
186	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1800	Each	5188.00
187	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 1200	Each	5435.00
188	HP Greater than 400 and Less than or Equal 450 RPM Less than or Equal 900	Each	5435.00
189	HP Greater than 450 and Less than or Equal 500 RPM 3600	Each	5682.00
190	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1800	Each	5682.00
191	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 1200	Each	5929.00
192	HP Greater than 450 and Less than or Equal 500 RPM Less than or Equal 900	Each	6176.00

Year Five (Option Year Two) Additional Costs: Labor Unit Prices

Item #	Description	Unit of Measure	Unit Price
193	LABOR RATE: Standard Electrical	Per Hour	45.00
194	LABOR RATE: Overtime Electrical	Per Hour	45.00
195	LABOR RATE: Emergency Electrical	Per Hour	45.00
196	LABOR RATE: Standard Mechanical	Per Hour	45.00
197	LABOR RATE: Overtime Mechanical	Per Hour	45.00
198	LABOR RATE: Emergency Mechanical	Per Hour	45.00
199	LABOR RATE: Machining, Standard	Per Hour	60.00
200	LABOR RATE: Machining, Overtime	Per Hour	60.00
201	LABOR RATE: Machining, Emergency	Per Hour	60.00

Item #	Description	Unit of Measure	Unit Price
202	NON-REPAIRABLE Shop Cost, Group I	Each	55.00
203	NON-REPAIRABLE Shop Cost, Group II	Each	55.00
204	NON-REPAIRABLE Shop Cost, Group III	Each	55.00
205	UL Re-Certification	Each	380.00
206	Non-Destructive Testing	Per Test	1000.00

Year Five (Option Year Two) Additional Cost: Parts and Other Charges Percent Mark-up

Percent Markup of Materials: **25.0 %**

Item #	Description
207	Chroming Shaft
208	Metallizing Shaft
209	Parts and Material
210	Cost to Replace a unit of Group-I
211	Cost to Replace a unit of Group-II
212	Cost to Replace a unit of Group-III
213	Emergency: Recondition-Repair Assumed Standard Unit Cost to do the work of recondition-Repair of a motor (for actual the quoted price shall be used).
214	Emergency: Rewind-Repair Assumed Standard Unit Cost to do the work of Rewind-Repair of a motor (for actual the quoted price shall be used).
215	Efficiency Testing