



LEXINGTON

Lexington-Fayette Urban County Government

Lexington, Kentucky
Horse Capital of the World

Division of Central Purchasing

Date of Issue: August 10, 2020

INVITATION TO BID #81-2020 Sideloader

Bid Opening Date: August 24, 2020 **Bid Opening Time:** 2:00 PM
Address: 200 East Main Street, 3rd Floor, Room 338, Lexington, Kentucky 40507
Type of Bid: Price Contract

Pre Bid Meeting: N/A **Pre Bid Time:** N/A
Address: N/A

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **8/24/2020**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

Division of Central Purchasing
200 East Main Street, Room 338
Lexington, KY 40507, (859) 258-3320

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. **Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.** All bids must be signed and have the company name and address, bid invitation number, and the name of the bid on the outside of the envelope.

Bids are to include all shipping, handling and associated fees to the point of delivery located at: Lexington, KY

<p>Check One: <input type="checkbox"/> Bid Specifications Met <input checked="" type="checkbox"/> Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i></p>	<p>Proposed Delivery: 120-210 days after acceptance of bid.</p>
<p>Procurement Card Usage—The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	

Submitted by: Worldwide Equipment
Firm Name

945 Nandine Blvd.
Address

Lexington Ky 40511
City, State & Zip

Bid must be signed:
(original signature)

J. Dotson G.M.
Signature of Authorized Company Representative – Title

Jim Dotson
Representative's Name (Typed or printed)

859-261-5152 859-253-4639
Area Code - Phone – Extension Fax #

jim.dotson@the truck people.com
E-Mail Address

15.0 Addendums

15.1 **Exceptions** to any parts of these specifications shall be listed on the attached "Exception Page" with reference to the applicable paragraph number from this document.

15.2 **Warranty** page must be completed in its entirety in order to have your bid evaluated.

15.3 **Other Information** page must be completed in its entirety in order to have your bid evaluated.

15.4 Pricing:

Price for 1 complete unit:

Chassis Make and Model Mack LR Packer Body Make and Model Heil Dura Pack
Python

Chassis with 9 Liter CNG \$ 153,312.00 Packer Body \$ 184,191.00 Total \$ 337,503.00

Chassis with 12 Liter CNG \$ NA Packer Body \$ NA Total \$ NA

Price for 2 or more complete units:

Chassis Make and Model Mack LR Packer Body Make and Model Heil Dura Pack
Python

Chassis with 9 Liter CNG \$ 153,312.00 Packer Body \$ 184,191.00 Total \$ 337,503.00

Chassis with 12 Liter CNG \$ NA Packet Body \$ NA Total \$ NA

Warranty Description

Basic Vehicle Warranty (cab & chassis)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	1 yr 100,000	Worldwide	<input checked="" type="radio"/> Yes / No
Basic Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attach		Yes / No
Engine Warranty (paragraph 2.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	5 yr 150	Worldwide	<input checked="" type="radio"/> Yes / No
Transmission Warranty (paragraph 2.11)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	5 yr	Worldwide	<input checked="" type="radio"/> Yes / No
Exterior Finish Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attach		Yes / No
Hydraulic Pump Warranty (paragraph 10.1)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attach		Yes / No
Hydraulic Cylinder Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attach		Yes / No
Back-Up Vision System Warranty (paragraph 11.7)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	SEE Attach		Yes / No

Other Information

Exterior Finish (paragraph 11.5)	Describe painting or coating system for the exterior surfaces of the body.	
	SEE Attach	

Finished Overall Height (paragraph 11.9)	Measured height from the ground to the highest point of finished unit.	The LFUCG Division of Waste Management will have final approval of finished vehicle height. Stated heights in excess of thirteen feet (13') may be cause for rejection. Any unit whose measured height upon delivery exceeds that stated herein will not be accepted.
	SEE Attach	

Warranty Description

Basic Vehicle Warranty (cab & chassis)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Basic Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	12 Months	Heil/C.I.T.E	<u>Yes</u> / No
Engine Warranty (paragraph 2.2)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Transmission Warranty (paragraph 2.11)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
			Yes / No
Exterior Finish Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	12 Months	Heil/C.I.T.E	<u>Yes</u> / No
Hydraulic Pump Warranty (paragraph 10.1)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	24 Months	Heil/C.I.T.E	<u>Yes</u> / No
Hydraulic Cylinder Warranty (body)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	12 Months	Heil/C.I.T.E	<u>Yes</u> / No
Back-Up Vision System Warranty (paragraph 11.7)	Length of Warranty Period (time, mileage, etc.)	Warranty Provided By:	Vendor agrees to warranty terms stated in paragraph 14.4?
	60 Months	Pro-Vision	<u>Yes</u> / No

Other Information

Exterior Finish (paragraph 11.5)	Describe painting or coating system for the exterior surfaces of the body.
	Please see attached Exterior Finish Description Page.

Finished Overall Height (paragraph 11.9)	Measured height from the ground to the highest point of finished unit.	The LFUCG Division of Waste Management will have final approval of finished vehicle height. Stated heights in excess of thirteen feet (13') may be cause for rejection. Any unit whose measured height upon delivery exceeds that stated herein will not be accepted.
	<i>meets requirements</i>	

EXCEPTION PAGE

Paragraph Number	Description of Exception
2.8.	Block Heater Located Grill
	1000 watt max by Cummins
3.1	Center Tow Pin
3.3	Front Suspension 20,000 same
	Susp that all 100 plus LFUG Mack
	trucks currently have.

AFFIDAVIT

Comes the Affiant, Worldwide Equipment, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Jim Dotson and he/she is the individual submitting the bid or is the authorized representative of Worldwide Equipment, the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught. Worldwide Equipment Jim Dotson

STATE OF Kentucky

COUNTY OF Fayette

The foregoing instrument was subscribed, sworn to and acknowledged before me

by Jim Dotson on this the 20 day of 08, 2020

My Commission expires: 09/19/2022 ID #609113

Kelli Anthony Kinder
NOTARY PUBLIC, STATE AT LARGE

Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

- These products use 25 to 50% less energy
- Reduced energy costs without compromising quality or performance
- Reduced air pollution because fewer fossil fuels are burned
- Significant return on investment
- Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to www.Green Seal.org to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes No

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately or all parts to one vendor.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be marked on the face of the envelope:

"Bid on #81-2020 Sideloader"

and addressed to: Division of Central Purchasing
 200 East Main Street, Room 338
 Lexington, Kentucky 40507

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.
- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.

- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, religion, sex (including pregnancy, sexual orientation or gender identity), national origin, disability, age, genetic information, political affiliation, or veteran status, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*
- (2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the*

contractor complies in full with the requirements of KRS 45.560 to 45.640.

- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions above quoted to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) *Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and*
- (2) *Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

- A. The terms of this agreement shall be for 1 year(s) from the date of acceptance of this contract by the Lexington-Fayette Urban County Government. This agreement may be automatically extended for an additional 1 year(s) renewal. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.
- B. Price Changes **(Space Checked Applies)**
 - (XXX)1. Prices quoted in response to the Invitation shall be firm prices for the first 365 days of the Procurement Contract. After 365 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per year. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.
 - () 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.
 - () 3. See bid specifications.
- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.
- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.
- E. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.
- F. No substitutions for articles specified herein may be made without prior approval of the Division of Central Purchasing.

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states: *The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.*
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states: *The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, veteran status, disability and age.

Signature

Name of Business

GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

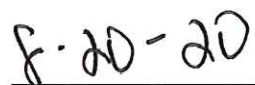
1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good. All applicable state laws, ordinances and resolutions (including but not limited to Section 2-33 (Discrimination due to sexual orientation or gender identity) and Chapter 13 (Licenses and Regulations) of the Lexington-Fayette Urban County Government Code of Ordinances, and Resolution No. 484-17 (Minority, Women, and Veteran-Owned Businesses)) and the regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.
2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.
12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance

written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. Assignment of Contract: The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. No Waiver: No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. Authority to do Business: Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
16. Governing Law: This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
17. Ability to Meet Obligations: Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
18. Price Discrepancy: When applicable, in case of price discrepancy, unit bid price written in words will prevail followed by unit price written in numbers then total amount bid per line item.
19. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.
21. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.



Signature



Date

WORKFORCE ANALYSIS FORM

Name of Organization: Worldwide Equipment

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African-American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators		1															
Professionals		7	1														
Superintendents																	
Supervisors		2				1											
Foremen		3															
Technicians		15															
Protective Service																	
Para-Professionals																	
Office/Clerical			4				1										
Skilled Craft		7															
Service/Maintenance		2															
Total:																	

Prepared by: Jim Dotson GM. Date: 8, 20, 20
 (Name and Title) Revised 2015-Dec-15

**DIRECTOR, DIVISION OF CENTRAL PURCHASING
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET
LEXINGTON, KENTUCKY 40507**

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITIES AND DBE CONTRACT PARTICIPATION**

The Lexington-Fayette Urban County Government has set a goal that not less than ten percent (10%) of the total value of this contract be subcontracted to MBE/WBE's, and set a goal that not less than three percent (3%) of the total value of this contract be subcontracted to Veteran-Owned Small Businesses. The goal for the utilization of Certified MBE/WBE's and Veteran-Owned Small Businesses as subcontractors are recommended goals. Contractors who fail to meet such goals will be expected to provide written explanations to the Director of the Division of Central Purchasing of efforts they have made to accomplish the recommended goals and the extent to which they are successful in accomplishing the recommended goals will be a consideration in the procurement process.

For assistance in locating MBE/WBE Subcontractors contact Sherita Miller at 859/258-3320 or by writing the address listed below:

Sherita Miller, Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street – Room 338
Lexington, Kentucky 40507
smiller@lexingtonky.gov

Lexington-Fayette Urban County Government
MWDBE PARTICIPATION GOALS

A. GENERAL

- 1) The LFUCG request all potential contractors to make a concerted effort to include Minority-Owned (MBE), Woman-Owned (WBE), Disadvantaged (DBE) Business Enterprises and Veteran-Owned Small Businesses (VOSB) as subcontractors or suppliers in their bids.
- 2) Toward that end, the LFUCG has established 10% of total procurement costs as a Goal for participation of Minority-Owned, Woman-Owned and Disadvantaged Businesses on this contract.
- 3) **It is therefore a request of each Bidder to include in its bid, the same goal (10%) for MWDBE participation and other requirements as outlined in this section.**
- 4) The LFUCG has also established a 3% of total procurement costs as a Goal for participation for of Veteran-Owned Businesses.
- 5) **It is therefore a request of each Bidder to include in its bid, the same goal (3%) for Veteran-Owned participation and other requirements as outlined in this section.**

B. PROCEDURES

- 1) The successful bidder will be required to report to the LFUCG, the dollar amounts of all payments submitted to Minority-Owned, Woman-Owned or Veteran-Owned subcontractors and suppliers for work done or materials purchased for this contract. (See Subcontractor Monthly Payment Report)
- 2) Replacement of a Minority-Owned, Woman-Owned or Veteran-Owned subcontractor or supplier listed in the original submittal must be requested in writing and must be accompanied by documentation of Good Faith Efforts to replace the subcontractor / supplier with another MWDBE Firm; this is subject to approval by the LFUCG. (See LFUCG MWDBE Substitution Form)
- 3) For assistance in identifying qualified, certified businesses to solicit for potential contracting opportunities, bidders may contact:
 - a) The Lexington-Fayette Urban County Government, Division of Central Purchasing (859-258-3320)
- 4) The LFUCG will make every effort to notify interested MWDBE and Veteran-Owned subcontractors and suppliers of each Bid Package, including information on the scope of work, the pre-bid meeting time and location, the bid date, and all other pertinent information regarding the project.

C. DEFINITIONS

- 1) A Minority-Owned Business Enterprise (MBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by persons of African American, Hispanic, Asian, Pacific Islander, American Indian or Alaskan Native Heritage.
- 2) A Woman-Owned Business Enterprise (WBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by one or more women.

- 3) A Disadvantaged Business (DBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by a person(s) that are economically and socially disadvantaged.
- 4) A Veteran-Owned Small Business (VOSB) is defined as a business which is certified as being at least 51% owned, managed and controlled by a veteran and/or a service disabled veteran.
- 5) Good Faith Efforts are efforts that, given all relevant circumstances, a bidder or proposer actively and aggressively seeking to meet the goals, can reasonably be expected to make. In evaluating good faith efforts made toward achieving the goals, whether the bidder or proposer has performed the efforts outlined in the Obligations of Bidder for Good Faith Efforts outlined in this document will be considered, along with any other relevant factors.

D. OBLIGATION OF BIDDER FOR GOOD FAITH EFFORTS

- 1) **The bidder shall make a Good Faith Effort to achieve the Participation Goal for MWDBE and Veteran-Owned subcontractors/suppliers. The failure to meet the goal shall not necessarily be cause for disqualification of the bidder; however, bidders not meeting the goal are required to furnish with their bids written documentation of their Good Faith Efforts to do so.**
- 2) Award of Contract shall be conditioned upon satisfaction of the requirements set forth herein.
- 3) The Form of Proposal includes a section entitled "MWDBE Participation Form". The applicable information must be completed and submitted as outlined below.
- 4) **Failure to submit this information as requested may be cause for rejection of bid or delay in contract award.**

E. DOCUMENTATION REQUIRED FOR GOOD FAITH EFFORTS

- 1) Bidders reaching the Goal are required to submit only the MWDBE Participation Form." The form must be fully completed including names and telephone number of participating MWDBE firm(s); type of work to be performed; estimated value of the contract and value expressed as a percentage of the total Lump Sum Bid Price. The form must be signed and dated, and is to be submitted with the bid.
- 2) Bidders not reaching the Goal must submit the "MWDBE Participation Form", the "Quote Summary Form" and a written statement documenting their Good Faith Effort to do so. If bid includes no MWDBE and/or Veteran participation, bidder shall enter "None" on the subcontractor / supplier form). In addition, the bidder must submit written proof of their Good Faith Efforts to meet the Participation Goal:
 - a. Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.
 - b. Included documentation of advertising in the above publications with the bidders good faith efforts package
 - c. Attended LFUCG Central Purchasing Economic Inclusion Outreach event

- d. Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned businesses of subcontracting opportunities
- e. Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses.
- f. Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).
- g. Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.
- h. Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs and/or Veteran-Owned businesses soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.
- i. Followed up initial solicitations by contacting MWDBEs and Veteran-Owned Businesses to determine their level of interest.
- j. Provided the interested MWDBE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.
- k. Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce
- l. Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.
- m. Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.
- n. Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.
- o. Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

p. Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

q. Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

Note: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to review by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.



MINORITY BUSINESS ENTERPRISE PROGRAM

Sherita Miller, MPA
Minority Business Enterprise Liaison
Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street
Lexington, KY 40507
smiller@lexingtonky.gov
859-258-3323

OUR MISSION: The mission of the Minority Business Enterprise Program is to facilitate the full participation of minority and women owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long term economic viability of Lexington-Fayette Urban County Government.

To that end the city council adopted and implemented Resolution 484-2017 – A Certified Minority, Women and Disadvantaged Business Enterprise ten percent (10%) minimum goal and a three (3%) minimum goal for Certified Veteran-Owned Small Businesses and Certified Service Disabled Veteran – Owned Businesses for government contracts.

The resolution states the following definitions shall be used for the purposes of reaching these goals (a full copy is available in Central Purchasing):

Certified Disadvantaged Business Enterprise (DBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a person(s) who is socially and economically disadvantaged as define by 49 CFR subpart 26.

Certified Minority Business Enterprise (MBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by an ethnic minority (i.e. African American, Asian American/Pacific Islander, Hispanic Islander, Native American/Native Alaskan Indian) as defined in federal law or regulation as it may be amended from time-to-time.

Certified Women Business Enterprise (WBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a woman.

Certified Veteran-Owned Small Business (VOSB) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

Certified Service Disabled Veteran Owned Small Business (SDVOSB) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a disabled veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

The term “Certified” shall mean the business is appropriately certified, licensed, verified, or validated by an organization or entity recognized by the Division of Purchasing as having the appropriate credentials to make a determination as to the status of the business.

To comply with Resolution 484-2017, prime contractors and minority, women and veteran owned businesses must enroll in the new Diverse Business Management Compliance system, <https://lexingtonky.diversitycompliance.com/>

We have compiled the list below to help you locate certified MBE, WBE and DBE certified businesses. Below is a listing of contacts for LFUCG Certified MWDBEs and Veteran-Owned Small Businesses in (<https://lexingtonky.ionwave.net>)

Business	Contact	Email Address	Phone
LFUCG	Sherita Miller	smiller@lexingtonky.gov	859-258-3323
Commerce Lexington – Minority Business Development	Tyrone Tyra	ttyra@commercelexington.com	859-226-1625
Tri-State Minority Supplier Diversity Council	Susan Marston	smarston@tsmsdc.com	502-365-9762
Small Business Development Council	Shawn Rogers UK SBDC	shawn.rogers@uky.edu	859-257-7666
Community Ventures Corporation	Phyllis Alcorn	palcorn@cvky.org	859-231-0054
KY Transportation Cabinet (KYTC)	Melvin Byne	Melvin.bynes2@ky.gov	502-564-3601
KYTC Pre-Qualification	Shella Eagle	Shella.Eagle@ky.gov	502-782-4815
Ohio River Valley Women’s Business Council (WBENC)	Sheila Mixon	smixon@orvwbc.org	513-487-6537
Kentucky MWBE Certification Program	Yvette Smith, Kentucky Finance Cabinet	Yvette.Smith@ky.gov	502-564-8099
National Women Business Owner’s Council (NWBOC)	Janet Harris-Lange	janet@nwbo.org	800-675-5066
Small Business Administration	Robert Coffey	robertcoffey@sba.gov	502-582-5971
LaVoz de Kentucky	Andres Cruz	lavozydeky@yahoo.com	859-621-2106
The Key News Journal	Patrice Muhammad	production@keynewsjournal.com	859-685-8488



LEXINGTON

LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 81-2020

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. Failure to submit a completed form may cause rejection of the bid.

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Worldwide Equipment
Company

8-20-20

Date

J. DA
Company Representative

G.M.

Title



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 87-2020

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. Failure to submit a completed form may cause rejection of the bid.

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Worldwide Egypt
Company

[Signature]
Company Representative

8-20-20
Date

G.M.
Title



LEXINGTON

LFUCG MWDBE SUBSTITUTION FORM 81-2020
Bid/RFP/Quote Reference # _____

The substituted MWDBE and/or veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to Central Purchasing for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project. **Failure to submit this form may cause rejection of the bid.**

SUBSTITUTED MWDBE Company Name, Address, Phone, Email	MWDBE Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1.					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Worldwide Export
Company
8-20-20
Date

JAA
Company Representative
G.M.
Title



LEXINGTON

MWDBE QUOTE SUMMARY FORM

Bid/RFP/Quote Reference # 81-2020

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name <u>Worldwide Egypt</u>	Contact Person <u>Jim Dotson</u>
Address/Phone/Email <u>949 Nandino Blvd. 855-281-513</u> <u>Lexington Ky 40511 jim.dotson@</u> <u>retrochepko</u>	Bid Package / Bid Date <u>81-2020</u> <u>8-24-2020</u> <u>2:00p.m.</u>

MWDBE Company Address	Contact Person	Contact Information (work phone Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Worldwide Egypt
Company

[Signature]
Company Representative

8-20-20
Date

G.M
Title



LEXINGTON

LFUCG SUBCONTRACTOR MONTHLY PAYMENT REPORT

The LFUCG has a 10% goal plan adopted by city council to increase the participation of minority and women owned businesses in the procurement process. The LFUCG also has a 3% goal plan adopted by cited council to increase the participation of veteran owned businesses in the procurement process. In order to measure that goal LFUCG will track spending with MWDBE and Veteran contractors on a monthly basis. By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentation may result in termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims. Please submit this form monthly to the Division of Central Purchasing/ 200 East Main Street / Room 338 / Lexington, KY 40507.

Bid/RFP/Quote # 81-2020

Total Contract Amount Awarded to Prime Contractor for this Project _____

Project Name/ Contract #	Work Period/ From:	To:
Company Name:	Address:	
Federal Tax ID:	Contact Person:	

Subcontractor Vendor ID (name, address, phone, email)	Description of Work	Total Subcontract Amount	% of Total Contract Awarded to Prime for this Project	Total Amount Paid for this Period	Purchase Order number for subcontractor work (please attach PO)	Scheduled Project Start Date	Scheduled Project End Date

By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

Worldwide Bank
Company

[Signature]
Company Representative

8-20-20
Date

G.M.I.
Title

LFUCG STATEMENT OF GOOD FAITH EFFORTS

Bid/RFP/Quote # 81-2020

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

_____ Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

_____ Included documentation of advertising in the above publications with the bidders good faith efforts package

_____ Attended LFUCG Central Purchasing Economic Inclusion Outreach event

_____ Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities

_____ Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses

_____ Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

_____ Contacted organizations that work with MWDBE companies for assistance in finding certified MWBDE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

_____ Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

_____ Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

_____ Provided the interested MWBDE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

_____ Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce

_____ Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

_____ Included documentation of quotations received from interested MWDBE firms and

Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

_____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

_____ Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal


_____ Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

_____ Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Worldwide Export
Company


Company Representative

8-20-20
Date

G.M.
Title

be contour shaped to the sidewall and formed from minimum 7 gauge 80,000 PSI yield steel. The reinforcement bolsters shall be fully welded to the curved body side sheets.

- 6.5 Body Roof: Roof shall be constructed of minimum 8 gauge, abrasion resisting curved steel sheet having a yield strength of not less than 80,000 PSI. fully welded to a full length 8 gauge inner and 11 gauge outer roof crown rail to contain and dissipate forces equally through the body structure. Front and rear lateral roof bow shall be 2" X 8" X ¼" A500, 46,000 PSI. yield steel. Seams shall be fully welded.
- 6.6 Tailgate: Tailgate shall be bustle type, constructed of minimum 10 gauge 100,000 PSI yield steel, hinged at top of body. Raising, lowering, and latching of tailgate shall be done hydraulically. Use of manual screw clamps or turnbuckles to secure tailgate will not be accepted. Tailgate opening shall include a rubber seal to prevent liquid seepage. Seal shall extend minimum fifty-six (56) inches up each side and shall be installed on the tailgate. Tailgate hinge points shall be structurally connected to boxed rear body posts such that a continuous load path is established between the tailgate hinges and the main structural elements of the body. Tailgate shall be raised by two (2) 3 inch ID. double-acting hydraulic cylinders. An in-cab console mounted LED light and audible alarm shall be provided to indicate when the tailgate is not fully closed and locked. There shall be installed in truck cab an audible and red LED indicator light which will alert driver that tailgate is in the up position. All indicator lights shall be labeled.
- 6.7 Hopper: Hopper shall be of flat floor and straight vertical sidewalls, and designed to properly handle thirty (30) gallon through three hundred (300) gallon automated side loader carts. Hopper shall have a minimum capacity of 5.0 cubic yards. Hopper shall be 80 inches wide X 75 inches high streetside and 66 inches high including rubber flap curbside. Hopper length shall be 69.5 inches. Hopper floor shall be constructed ¼" AR400 abrasion resistant steel 145,000 PSI yield strength. Hopper side walls shall be 3/16" AR400 abrasion resistant steel 145,000 PSI yield strength. A hopper sump shall be provided in forward floor area of the hopper. Sump shall have a 40 gallon minimum capacity and have dual clean-out doors. Cleanout tool shall be provided.
- 6.8 Access Opening: The body shall have an opening, with door large enough to provide entry into the hopper body streetside. An interlock shall be provided to instantly stop all hydraulic operations if the access door is opened. An OSHA Standard approved stow-away step arrangement shall be provided for access to the door from ground level.
- 6.9 Rear Guard: The body shall include a bolt-on rear under ride guard as standard equipment to meet Federal Motor Carrier Safety Regulation (49 CFR 393.86).

7.0 Packing/Ejection Mechanism

- 7.1 Packing Mechanism: The packing mechanism shall consist of two (2) double acting multi-stage hydraulic cylinders with chrome rods and spherical bearings on both ends, activating the packing panel, automatically sweeping the hopper and returning upon activation. Unit shall have the capability to repeatedly cycle while on the run. Maximum cycle time shall be fourteen (14) seconds.
- 7.2 Packing Panel: All packing panel face material shall be constructed of minimum ¼" thick steel plate having a yield strength of not less than 80,000 PSI and be abrasion resistant. A spill shield shall be constructed from 11 gauge 50,000 PSI yield steel and shall be affixed to the top of the packing





TECHNICAL SPECIFICATION

LR 64R G

			WEIGHT (LB)	
CUSTOMER/VEHICLE INFO	DESCRIPTION	FRONT	REAR	
S	CHASSIS (BASE MODEL)	LR 64R G DAYCAB	9,811	1,866
S	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0
S	TYPE OF SERVICE	COMMERCIAL	0	0
S	WARRANTY REGISTRATION LOCATION	US - WARRANTY REGISTRATION LOCATION	0	0
S	INITIAL REGISTRATION LOCATION	ALL 50 STATES, NON-CARB ENGINE EMISSION (US17 / US21)	0	0
S	VEHICLE APPLICATION CLASS	CLASS B HIGHWAY-INNER CITY	0	0
S	VEHICLE USE & BODY/TRAILER TYPE	REFUSE AUTOMATIC SIDE LOADER TRUCK	0	0
S	TERRAIN GRADE	NORMAL HIGHWAY, STARTING GRADES<12%	0	0
S	LOADING SURFACE	CONCRETE LOADING AND / OR UNLOADING SURFACE	0	0
S	VEHICLE VOCATION	REFUSE / LANDFILL OPERATION	0	0

			WEIGHT (LB)	
ENGINE/TRANSMISSIONS	DESCRIPTION	FRONT	REAR	
S	ENGINE PACKAGE, COMBUSTION	L9N 320 CUMMINS-NZ 320HP @ 2200 RPM (GOV), 1055 LB-FT, US'17	1,608	84
S	TRANSMISSION	4500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 5 W/PROGNOSTICS	732	245

			WEIGHT (LB)	
EXHAUST/EMISSIONS	DESCRIPTION	FRONT	REAR	
S	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXH STACK PLAIN END, SIDE OUTLET DIFFUSER	0	0
S	EXHAUST SYSTEM MATERIAL FINISH	W/O VERT EXH-BRIGHT FINISH	0	0
S	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2018	0	0

TECHNICAL SPECIFICATION (cont.)

			WEIGHT (LB)			
ENGINE EQUIPMENT	DESCRIPTION	FRONT	REAR			
S	AIR CLEANER	15" SINGLE ELEMENT, DRY TYPE, AIR RESTRICTION INDICATOR ON FILTER	0	0		
S	WINTERFRONT	FURNISH WINTER FRONT GRILLE COVER	0	0		
S	AIR COMPRESSOR/DRYER	WABCO 1800P AIR DRYER W/ CUMMINS TWIN (30.4 CFM) AIR COMPRESSOR	0	0		
CA	ALTERNATOR	DELCO 12V 200A (28SI) BRUSH-TYPE W/ REMOTE VOLTAGE SENSING	0	0		
	BATTERIES	(3) MACK 12V 800/2400 AGM Long Life <i>JD 8-24-20</i>	16	7		
S	BATTERY BOX - MOUNTING	PERPENDICULAR TO FRAME 11" FROM NTOF (3 BATTERY MAX)	0	0		
S	BATTERY BOX COVER	MOLDED PLASTIC	0	0		
CA	EMERGENCY START CONNECTIONS	JUMP START CONNECTION, KALAS TERMINALS BOC (N/A FOR CMM, CML, CXX; USE 5980023)	7	0		
S	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE	0	0		
S	STARTER MOTOR	12 VOLT DELCO 39MT-MXT	31	0		
S	FAN DRIVE	HORTON FAN, "ON-OFF"	0	0		
S	COOLANT PROTECTION	ETHYLENE GLYCOL EXTENDED LIFE COOLANT (50/50 MIX DYED RED) TO -34DEG	0	0		
	COOLING PERFORMANCE	WITH AUXILIARY COOLING	80	-15		
S	HOSES - RADIATOR/HEATER	SILICONE RADIATOR AND HEATER HOSES	0	0		
S	FUEL-WATER SEPARATOR	CUMMINS CNG COALESCING FUEL FILTER, STANCHION MOUNTED ON FRAME	0	0		
S	FUEL HEATING EQUIPMENT	GAS SUPPLY REGULATOR HEATER	0	0		
S	ENGINE HEATERS	CUMMINS BLOCK HEATER + W/O OIL PAN HEATER	0	0		
S	TETHER DEV PKG, CAPS & COVERS	PLASTIC COATED CABLE, MOUNTED FRONT OF EACH BATTERY BOX LENGTH TO ALLOW COVER TO SET ON GROUND	0	0		

			WEIGHT (LB)			
CLUTCH/TRANS EQUIPMENT	DESCRIPTION	FRONT	REAR			
S	DRIVELINE - MAIN	MERITOR 176 MXL "XTENDED LUBE" (PROPS-M)	3	3		
S	DRIVELINE - INTERAXLE	MERITOR 17 MXL "XTENDED LUBE"	0	0		
S	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE	0	0		
S	PROP SHAFT INTERAXL UNIV JOINT	HALF-ROUND UNIVERSAL JOINT	0	0		
S	TRANSMISSION OIL COOLER	REMOTE MOUNTED OIL COOLER FURNISH FOR ALLISON TRANSMISSION	0	0		

			WEIGHT (LB)			
FRONT AXLE EQUIPMENT	DESCRIPTION	FRONT	REAR			
S	FRONT AXLE	20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	0	0		
S	SPRINGS - FRONT	MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING, EQUAL BIAS	0	0		
CA	FRONT AXLE BRAKES	MERITOR "S" CAM 16.5" X 7" Q-PLUS BRAKES	0	0		
S	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC	0	0		
S	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, MGM	0	0		
S	HUB MATERIAL, FRONT	FERROUS	0	0		
S	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE	20	0		
S	STEERING	M100P PLUS RIGHT SIDE ASSIST CYLINDER	142	0		
S	BUMP STOP, FRONT SUSPENSION	STATIC LOAD CUSHIONS	0	0		

TECHNICAL SPECIFICATION (cont.)

		WEIGHT (LB)		
REAR AXLE EQUIPMENT	DESCRIPTION	FRONT	REAR	
	REAR AXLES - TANDEM	46000# (20900kg) MACK S462R CAST DUCTILE HOUSING	0	1,614
S	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE	0	0
S	CARRIER - REAR AXLE	CRDP150/151 AVAILABLE WITH OPTIONAL DRIVER CONTROLLED INTERWHEEL DIFFERENTIAL LOCKS, SEE 254 SYMBOL	0	0
	REAR AXLE RATIO	5.66 RATIO	0	0
	REAR SUSPENSION - TANDEM	SS462 MACK MULTILEAF (CAMELBACK) 46000# - EXTRA THICK SPRING THICKNESS	0	1,930
	SPRINGS - ANTI-SWAY	SPRINGS, ANTI-SWAY	0	106
	REAR SUSP. BEAM BUSHINGS	BRONZE	0	36
S	BOGIE SPREAD, REAR	50" AXLE SPACING (BOGIE WHEELBASE)	0	0
S	REAR SPRING INSULATOR MAT'L	URETHANE SHOCK INSULATORS, HEAVY DUTY, HIGHLY RECOMMENDED W/SS582 & SS652 REAR SUSP	0	0
S	TRANSVERSE TORQUE RODS, R SUSP	TRANSVERSE TORQUE ROD (REAR AXLE ONLY)	0	67
	BRAKES - REAR	MERITOR - CAM 16.5"x8.0" Q+ (Total for QTY = 2)	0	0
S	BRAKE, DRIVE, REAR	CAST IRON	0	0
S	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC	0	0
	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE	0	0
S	REAR BRAKE CHAMBER	MGM TR3030LP3THD BRAKE CHAMBERS (Total for QTY = 2)	0	0
S	BRAKE CHAMBER DIAPHRAGM MATERIAL (CA)	W/O BRAKE DIAPHRAGM OPTION	0	0
S	HUB MATERIAL, DRIVE	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	0
S	POWER DIVIDER LOCKOUT	POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	0	40
S	LUBRICANTS, REAR AXLE(s)	FACTORY OPTION LUBE - REAR AXLE	0	0
S	ANTILOCK BRAKE SYSTEM	BENDIX WITHOUT TRACTION CONTROL 4S4M	0	0

		WEIGHT (LB)		
FRAME EQUIPMENT/FUEL TANKS	DESCRIPTION	FRONT	REAR	
	WHEELBASE	210"	247	247
	AF (OVERHANG)	67"	-17	106
	FRAME RAILS & LINERS	9.5 x 82 x 340mm - (0.375" x 3.25" x 13.38")W/ Full Liner; RBM 3,122,400 LB-IN	0	0
S	FRONT FRAME LENGTH	FRONT FRAME LENGTH 1525MM	146	-19
S	CROSSMEMBERS	STEEL 1/2" PL BOLTED BOC & INTERMDT 1/8" BELOW TOP OF RAIL	0	0
	AUX CROSSM. IN REAR OVERHANG	W/O OPTIONAL CROSSMEMBERS BEHIND REAR AXLE/BOGIE	25	-81
S	REAR CROSSMEMBER OPTIONS	STEEL CLOSING REAR CROSSMEMBER	0	0
S	FRONT BUMPER	FLUSH-PAINTED STEEL	0	0
S	GUARD	SKID PLATE UNDER BUMPER AND RADIATOR	128	-8
S	TOWING DEVICE, FRONT	CENTER TOW CAPABILITY BASED ON BUMPER SELECTION	0	0
S	FUEL TANK - LH	DELETE LH FUEL DIESEL TANK - FOR LOCAL COMPLETION & CERTIFICATION OF CNG SYSTEM	0	0
S	FUEL TANK - RH	DELETE RH DIESEL TANK - FOR LOCAL COMPLETION & CERTIFICATION OF CNG SYSTEM	0	0
S	FUEL HOSES, LIQUID	HIGH PRESSURE HOSES	0	0
S	FUEL TANK POSITION (CA)	W/O RELOCATED FUEL TANK(S)	0	0

		WEIGHT (LB)		
AIR/BRAKE	DESCRIPTION	FRONT	REAR	
	AIRTANK DRAIN VALVE	MANUAL DRAIN VALVES, WITH LANYARDS ON ALL TANKS	-2	0

TECHNICAL SPECIFICATION *(cont.)*



		WEIGHT (LB)	
AIR/BRAKE	DESCRIPTION	FRONT	REAR
	AIRTANK MATERIAL ALUMINUM, PAINTED	-24	0
S	AIR DRYER POSITION (CA) W/O RELOCATION OPTION	0	0
S	PARKING BRAKE VALVE SINGLE VALVE SYSTEM	0	0
	AUXILIARY BRAKE CONTROL AUXILIARY WORK BRAKE HAND CONTROL, ACCESSIBLE BOTH SIDES	0	0

		WEIGHT (LB)	
ELECTRICAL	DESCRIPTION	FRONT	REAR
S	BACK-UP ALARM PRECO, MODEL 1059	0	0
S	ROOF MARKER LIGHT TRUCKLIGHT TYPE ROOF MARKER for LR	0	0
S	HEADLIGHT LAMP TYPE HEADLAMP BULB TYPE, LED	0	0
S	DAYTIME RUNNING LIGHTS ENGINE RUNNING ACTIVATED	0	0
S	AUX. POWER OUTLET, INTERIOR COMPUTER AND 2-WAY RADIO DEDICATED CIRCUIT	0	0
S	FRONT & SIDE INDICATOR LMP TYP FRONT AND SIDE DIRECTION IND & MARKER, LED TYPE	3	0

		WEIGHT (LB)	
TRAILER CONNECTIONS	DESCRIPTION	FRONT	REAR
S	EXT. INDICATOR LMP, MAIN SWITCH (CA) FURNISH ON OR NEAR BATTERY BOX (LIGHT ON IN RUN POSITION)	0	0

		WEIGHT (LB)	
PTO	DESCRIPTION	FRONT	REAR
	CRANKSHAFT ADAPTER 1350 SERIES FLANGE (DOES NOT INCLUDE FRONT FRAME EXTENSION)	18	-2
S	PTO - REAR MOUNTED PREP KIT FOR EXTENDED SHAFT PTO	0	0
	PTO TRANSMISSION MOUNTED ADM. SINGLE PTO TRANSMISSION	0	0
S	BODY BUILDER MODULE Controllink III BODY BUILDER EL PREP KIT, REFUSE, RP170 ELECT. INTERFACE (3 CON 54 PINS)	0	0

		WEIGHT (LB)	
SPECIALTY EQUIPMENT	DESCRIPTION	FRONT	REAR
S	TRANSPORT ADAPTATION UNIFORM LOAD NO ADAPTATION	0	0

		WEIGHT (LB)	
CAB INTERIOR (A THRU G)	DESCRIPTION	FRONT	REAR
S	CAB HEATER UNIT STD HEATER	0	0
S	CLIMATE UNIT MACK INTEGRAL W/HEATER (COMBO HEATER/AIR CONIDITIONER UNIT) W/R134a REFRIGERANT	93	0
S	CAMERA, SURVEILLANCE WITHOUT CAMERA	0	0
S	FLOOR MATS FLOOR MAT, RUBBER	0	0
S	CARBON MONOXIDE DETECTION SYS CARBON MONOXIDE DETECTION SYSTEM	0	0
S	FUEL LEAK DETECTOR FUEL LEAK DETECTOR, GAS	0	0
S	GAUGE - TRANSMISSION OIL TEMP TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT	0	0
S	GAUGES - UNIT OF MEASURE U.S. UNITS (PREDOMINANT)	0	0

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)	
CAB INTERIOR (H THRU R)		DESCRIPTION	FRONT	REAR
S	KEY TYPES FOR DOORS	BASIC UNIQUE KEY	0	0
S	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, CD-PLAYER, MP3, WEATHER BAND, BLUETOOTH	0	0
S	ANTENNA - RADIO	RADIO ANTENNA, CH STYLE COWL MOUNTED ON LH SIDE	0	0
S	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	0	0
S	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) MOUNTED ON TOP OF DASH	0	0

Any Buoys Included (2) JD 8-24-20

			WEIGHT (LB)	
CAB INTERIOR (S THRU Z)		DESCRIPTION	FRONT	REAR
S	SEAT - DRIVER'S	AIR-SEARS MID-BACK SEAT C-2 W/FABRIFORM CUSHIONS	0	0
	SEAT COVERING	FABRIFORM CLOTH, BLACK, DRIVER SEATS	0	0
	SEAT BELT(S)	LAP & SHOULDER BELTS FOR (2) DRIVER SEATS, TO BE ORANGE IN COLOR	0	0
S	STEERING WHEEL	TWO SPOKE URETHANE GRIP CHARCOAL SPOKES	0	0
	STEERING WHEEL ADJUSTMENT	STEERING COLUMN, ADJUSTABLE TILT TELESCOPE	0	0
S	TURN SIGNALS	SELF CANCELLING TURN SIGNALS	0	0
S	WASHER RESERVOIR POSITION	W/O WINDSHIELD WASHER OPTION	0	0
S	WINDSHIELD PROTECTOR	FURNISH WINDSHIELD PROTECTOR	16	0

			WEIGHT (LB)	
CAB EXTERIOR		DESCRIPTION	FRONT	REAR
S	EMBLEMS OPTION	EMBLEMS OPTION, COMPLETE	0	0
S	FRONT GRILLE	BLACK, EXTENDED CAB VERSION	0	0
	CAB	RH & LH SIT DOWN DRIVING POSITION, EXTENDED CAB VERSION	0	0
	CAB DOOR OPTIONS	LH & RH FRONT HINGED DOORS W/POWER WINDOWS BOTH SIDES	0	0
S	CAB TILT PUMP	LOCATED IN STD LOCATION	0	0
S	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS	0	0
S	PASSENGER SIDE VISIBILITY OPTIONS	WITHOUT AUXILIARY WINDOW IN RH DOOR WITHOUT SIDE CLOSE VIEW MIRROR	0	0
S	HORN - AIR	(1) TWIN-UNDER CAB TRUMPET W/DUAL LANYARD CONTROL	0	0
	HORN - ELECTRICAL	DUAL TONE	0	0
S	MIRRORS - LEFT SIDE EXTERIOR	LH BLACK AERO MIRROR ELECTRICAL OPERATED & HEATED, W/ HEATED SQUARE BLACK CLOSE VIEW	0	0
S	MIRRORS - RIGHT SIDE EXTERIOR	RH BLACK AERO MIRROR ELECTRICAL OPERATED & HEATED, W/ HEATED SQUARE BLACK CLOSE VIEW	0	0

			WEIGHT (LB)	
WHEELS & TIRES		DESCRIPTION	FRONT	REAR
	GHG STEER TIRE CATEGORY (PAWS)	ADVANCED LOW ROLLING RESISTANCE, BEST FUEL ECONOMY	0	0
	TIRES BRAND/TYPE - FRONT	425/65R22.5 L MICHELIN XZY3 (22800 lbs) (Total for QTY = 2)	415	0
CA	WHEELS - FRONT	22.5x12.25 ACCURIDE BLACK POWDER COAT STEEL DISC, 4.63 OFFSET (Total for QTY = 2)	239	0
S	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS	0	0
	GHG DRIVE TIRE CATEGORY (PAWS)	OTHER (NON-SPECIFIED), VERY POOR FUEL ECONOMY	0	0
	TIRES BRAND/TYPE - REAR	12R22.5 H GOODYEAR G282 MSD (27120 lbs) (DRIVE ONLY) (Total for QTY = 8)	0	1,200

TECHNICAL SPECIFICATION (cont.)

WHEELS & TIRES		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
CA	WHEELS - REAR	22.5x8.25 ACCURIDE BLACK POWDER COAT STEEL, 6.62" OFFSET, HEAVY DUTY 2 HAND HOLE, 10 HOLE HUB PILOTE (Total for QTY = 8)	0	635
S	REAR AXLE TIRE & WHEEL QUANTITY	EIGHT REAR AXLE TIRES & WHEELS	0	0
S	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH	0	0
S	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS	0	0

ENGINE ELECTRONICS		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN	0	0
S	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN	0	0
S	ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)	0	0
S	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME	0	0
S	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	0	0
S	IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME	0	0
S	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY	0	0
S	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY	0	0
S	IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE	0	0
S	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	0	0
S	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KM/H (10 MPH)	0	0
S	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM	0	0
S	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	0	0
S	EL HD THROTTLE,SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC	0	0

TRANSMISSION ELECTRONICS		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	TRANSMISSION ELECTRONICS PACKAGE	GENERAL REFUSE SERVICE (168) - LIMITED TO 2ND GEAR IN SECONDARY MODE (RH DRIVING POSITION)	0	0
S	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSENSE 2.0 PROGRAMMING	0	0

VEHICLE ELECTRONICS		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)	0	0
S	PEDAL RSL SETTING	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)	0	0
S	CRUISE CONTROL	CRUISE CONTROL	0	0
S	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)	0	0
S	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)	0	0
S	DETECTION SPEED SENSR TMRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	0	0
S	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	0	0
S	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	0	0
S	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	0	0
S	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KM/H)	0	0

TECHNICAL SPECIFICATION *(cont.)*



		WEIGHT (LB)	
VEHICLE ELECTRONICS	DESCRIPTION	FRONT	REAR
S	VEHICLE OVERSPEED, FUELED, LOG	0	0
S	ENGINE IDLE DELAY TO LOG	0	0
S	PERIODIC TRIP LOG DAY OF MONTH	0	0
S	VEHICLE APP SERVICE INTERVALS	0	0
S	SERVICE ALERT	0	0
S	MAINTENANCE DUE ALERT %	0	0

		WEIGHT (LB)	
PTO ELECTRONICS	DESCRIPTION	FRONT	REAR
S	PTO1 SINGLE SPEED CONTROL RPM.	0	0
S	PTO 1ST, MAX ROAD SPEED	0	0
S	PTO 1ST, SPEED RAMP RATE	0	0
S	PTO 1ST, MAX ENGINE SPEED	0	0
S	PTO 1ST, ROAD SPEED LIMIT	0	0
S	PTO 1ST, MINIMUM ENGINE SPEED	0	0
S	PTO 2ND, SINGLE SPEED SETTING	0	0
S	PTO 2ND, MAX ROAD SPEED	0	0
S	PTO 2ND, SPEED RAMP RATE	0	0
S	PTO 2ND, MAX ENGINE SPEED	0	0
S	PTO 2ND, ROAD SPEED LIMIT	0	0
S	PTO 2ND, MINIMUM ENGINE SPEED	0	0

		WEIGHT (LB)	
PAINT	DESCRIPTION	FRONT	REAR
S	PAINT DESIGN	0	0
	PAINT TYPE	0	0
	PAINT COLOR - FIRST COLOR	0	0
S	PAINT COLOR - SECOND COLOR	0	0
S	PAINT COLOR - THIRD COLOR	0	0
S	CAB COLOR	0	0
S	PAINT - CAB PAINT SYSTEM	0	0
	CHASSIS RUNNING GEAR PROCESS CODE	0	0
S	CHASSIS RUNNING GEAR	0	0
S	BUMPER	0	0
S	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED In the FUEL TANK PAINT FAMILY***	0	0
S	HUBS & DRUMS-FRONT	0	0
S	HUBS & DRUMS-REAR	0	0

		WEIGHT (LB)	
CALCULATED CODES - KAX	DESCRIPTION	FRONT	REAR
S	PROPCALC SELECTION	0	0

TECHNICAL SPECIFICATION (cont.)



BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION	0	0
S	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)	0	0
S	ENGINE WARRANTY	CUMMINS ENGINES 8.9L (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0
S	EMISSION COMPONENT COVERAGE	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0
S	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)	0	0
S	CARRIER & AXLE HOUSING WARRANTY	STANDARD MACK HEAVY DUTY COVERAGE 36 MONTHS / 350,000 (563,000 KM)	0	0
S	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE	0	0
S	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0
S	ENGINE TOWING WARRANTY	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0

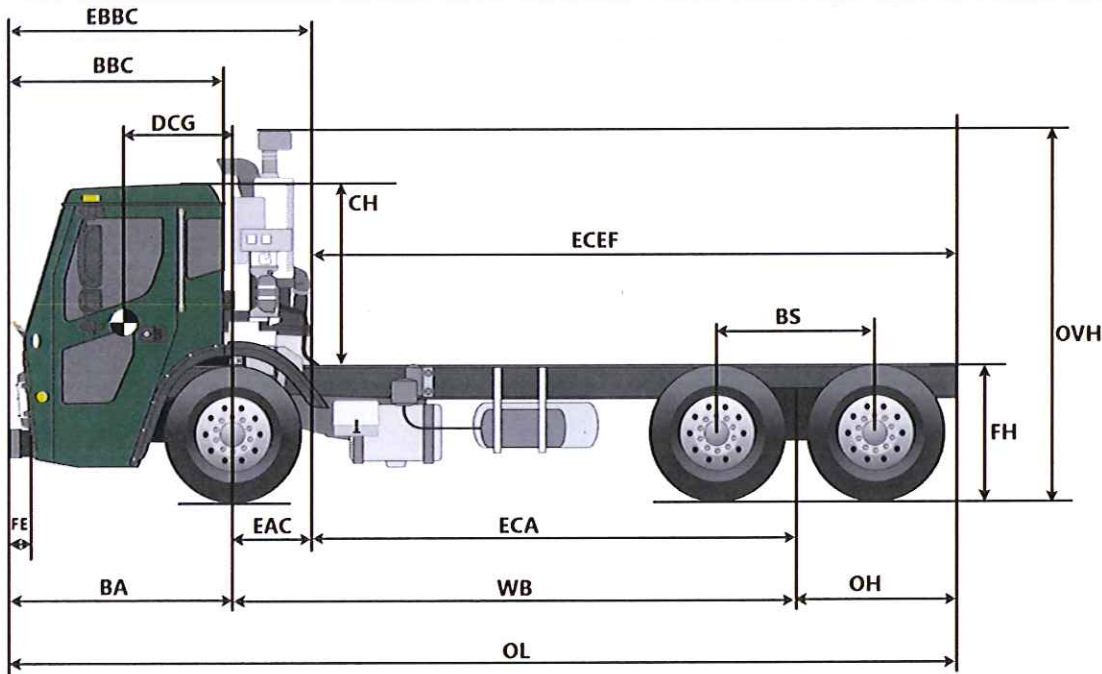
Z - DO NOT USE - OBSOLETE		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
S	PAINTED DISC WHEELS, FRONT	WITHOUT PAINT	0	0
S	PAINTED DISC WHEELS, REAR	WITHOUT PAINT	0	0

ADDITIONAL ENGINEERING (Included)		DESCRIPTION	WEIGHT (LB)	
			FRONT	REAR
	CA		0	0

		FRONT / REAR AXLE WEIGHTS (LB)	13726	8052
		TOTAL WEIGHT (LB)	21778	

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	0.0	INCHES
Bumper to Front Axle	N/A	BA	69.9	INCHES
Wheelbase	N/A	WB	210.0	INCHES
Rear Overhang	N/A	OH	66.9	INCHES
Overall Length	N/A	OL	346.9	INCHES
Bumper to Back of Cab	N/A	BBC	64.6	INCHES
Eff. Bumper to Back of Cab	N/A	EBBC	94.6	INCHES
Eff. Cab to Rear Axle	N/A	ECA	185.3	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	24.7	INCHES
Eff. Cab to End of Frame	N/A	ECEF	252.2	INCHES
Unladen 5th Wheel Height	E5BZ1X	5W	0.0	INCHES
Unladen Frame Height	N/A	FH	44.4	INCHES
Cab Height	N/A	CH	56.1	INCHES
Overall Height	N/A	OVH	100.5	INCHES
Driver CG	N/A	DCG	13.8	INCHES
50" AXLE SPACING (BOGIE WHEELBASE)	GWXABX	BS	50.0	INCHES
Second Front Axle Spacing		SFAS	0.0	INCHES

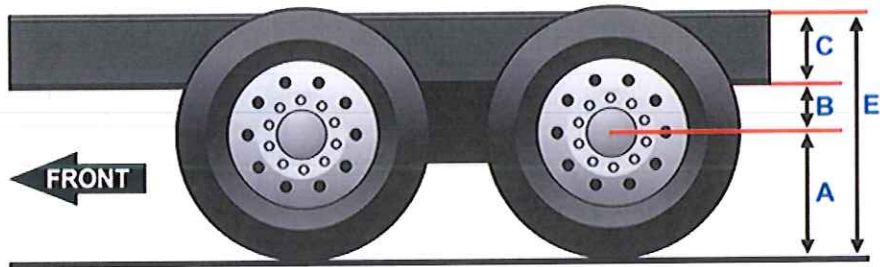


VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value(in)	Right Value(in)
Wheelbase	N/A	WB	210.0	210.0
Available Rail Space Right	N/A	ARSR	N/A	117.4
Available Rail Space Left	N/A	ARSL	135.4	N/A
Eff. Front Axle to Back of Cab	N/A	REF	24.7	24.7
Front Axle To Fender	ABXLYX	N/A	28.0	28.0
Battery Box	393AD9	N/A	0.0	18.0
Drive Tire Radius	901AY4	N/A	21.7	21.7

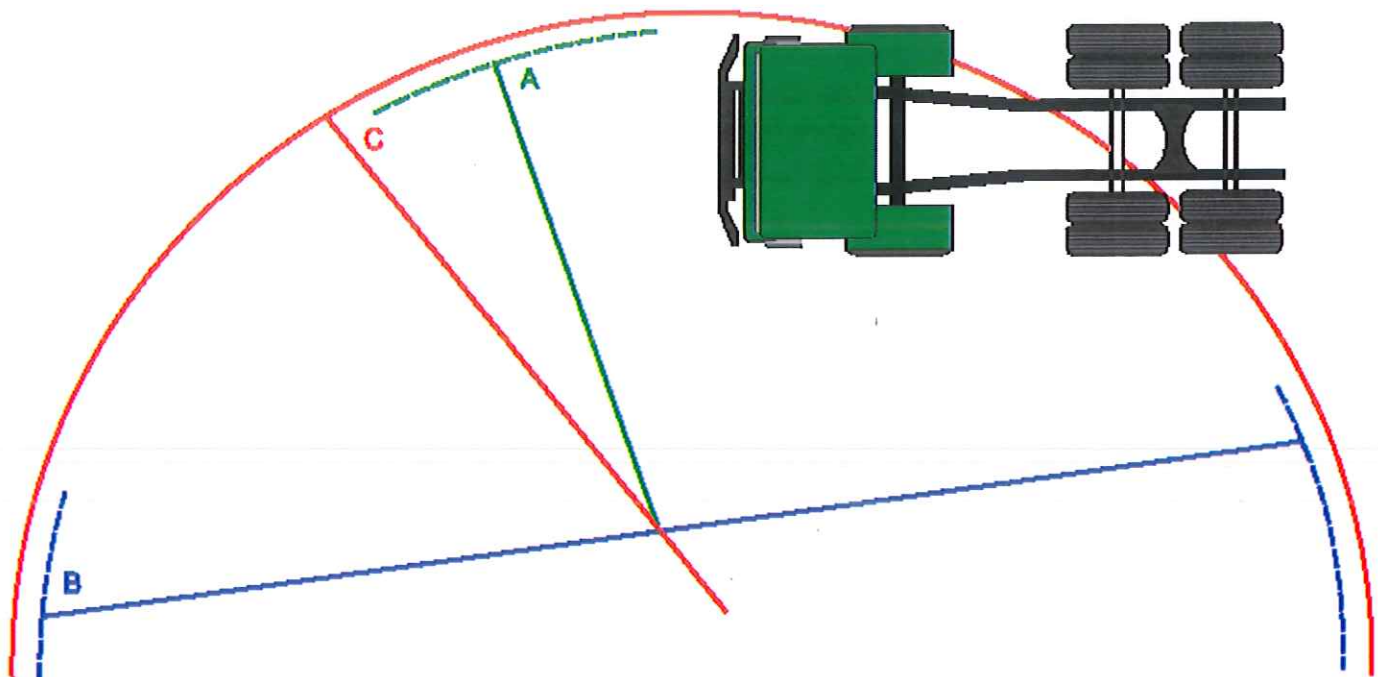
Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of ± 4 inches due to component mounting variation. Certain chassis component options are NOT represented in the Top View image, such as, but not exclusive to, Front Frame Extensions, Fuel Water Separators, Air Dryers, PTOs, Fifth Wheels, Chassis Fairings, Toolboxes, Trailer Connections. For further information on these items and their respective locations on your specification, please refer to the data sheets associated with those items in the configurator.

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY					
Description	Sales Code	Dwg Ref	Rear		UOM
			Unladen	Laden	
Requested Fifth Wheel Height	E5BZ1X		0.0	0.0	INCHES
Tire Radius	901AY4	A	21.7	20.4	INCHES
Suspension Height	1860K6	B	11.9	10.8	INCHES
Frame Depth	YBXJ1X	C	10.8	10.8	INCHES
Closest Available Fifth Wheel Leg Height	N/A	D	0.0	0.0	INCHES
Total Height	N/A	E	44.4	42.0	INCHES



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
SAE Turning Radius	N/A	A*	36.6	FEET
Adjusted Turning Radius	N/A	A	40.6	FEET
Curb-to-Curb Diameter	N/A	B	82.5	FEET
Wall-to-Wall Diameter	N/A	C	93.1	FEET



Tests have shown that the true location of the turning center is further to the rear than midway between drive axle sets (where applicable)

The actual location of the turning center depends on:

- Whether the drive tire equipment is single or dual.
- The overall load distribution for the vehicle (front/rear, between drive axles) in a loaded condition
- Manufacturing tolerances within the steering components

Inputs Required	Inputs	UOM
Driver Weight	201	LB
Total Body Length	16.4	FEET
Body Tare Weight	3501	LB
Front of Body to Body CG	96.0	INCHES
Additional Clearance from Back of Exhaust to Front of Body	6.0	INCHES

VEHICLE SPECIFICATION SUMMARY

Description	Description	Dwg Ref	Length	UOM
Bumper to Front Axle	N/A	BA	69.9	INCHES
Wheelbase	N/A	WB	210.0	INCHES
Rear Overhang	N/A	OH	66.9	INCHES
Bumper to Back of Cab	N/A	BBC	64.6	INCHES
BOC Exhaust Space	DPFAB3	N/A	30.0	INCHES
Driver CG from Front Axle	N/A	DCG	13.8	INCHES
First Pusher Axle Spacing			0.0	INCHES

CALCULATED PERFORMANCE SUMMARY

Tare Weights	Front Axle	Rear Axle (s)	Total	UOM
Chassis	13726	8052	21778	LB
Driver	188	14	201	LB
Fuel	0	0	0	LB
Body/Trailer	1388	2114	3501	LB
Total Tare	15302	10178	25479	LB
Payloads				
First Body Payload	16065	24458	40522	LB
Total - Lift Axles Down	31366	34635	66000	LB
GAWR	20000	46001	66000	LB

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY				
Sub-Category	Sales Code	Sales Code Description	Value	UOM
Front Axle	240AA3	20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	20000	LB
Front Suspension	244AB4	MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING, EQUAL BIAS	20000	LB
Front Tires	900AW4	425/65R22.5 L MICHELIN XZY3 (22800 lbs)	22708	LB
Front Wheels	5313S1	22.5x12.25 ACCURIDE BLACK POWDER COAT STEEL DISC, 4.63 OFFSET	22995	LB
Front GAWR			20000	LB
Rear Axle	268AA9	46000# (20900kg) MACK S462R CAST DUCTILE HOUSING	46001	LB
Rear Suspension	1860K6	SS462 MACK MULTILEAF (CAMELBACK) 46000# - EXTRA THICK SPRING THICKNESS	46001	LB
Rear Tires	901AY4	12R22.5 H GOODYEAR G282 MSD (27120 lbs) (DRIVE ONLY)	54234	LB
Rear Wheels	3464B6	22.5x8.25 ACCURIDE BLACK POWDER COAT STEEL, 6.62" OFFSET, HEAVY DUTY 2 HAND HOLE, 10 HOLE HUB PILOTE	80002	LB
Rear GAWR			46001	LB
Truck GVWR			66000	LB
Gross Combination Weight Rating			0	LB
Tax Value GVWR (USA FET Only)			66000	LB

Clarification Page

6.1 Payload Capacity

We are bidding a Heil Python 28 cubic yard body, with the 90 DGE CNrG tailgate option added.

The overall capacity is twenty-eight cubic yards, exclusive of the hopper and inclusive of the CNrG tailgate. The CNrG tailgate option takes up roughly two cubic yards of net capacity.

panel. Remainder of panel assembly and spill shield shall be reinforced and constructed of materials suitable to withstand all compaction forces.

7.3 Packing Cylinders: Packing cylinders shall be capable of compacting at a minimum of 83,000 pounds of force. The packing mechanism shall be capable of extending to the rearmost end of the body, past full pack position, to provide off-loading function when the tailgate is raised. Dumping type body units are not acceptable.

7.4 Packing Performance:

7.5 Cycle time: Maximum time for packing mechanism to clear hopper, pack and return to forward position. Maximum 14 seconds.

Cycle time in seconds 14 Seconds

7.6 Compaction: Indicate the maximum pounds of compaction force provided by the packing cylinders. Minimum 83,000 lbs.

Pounds of force 83,000 lbs.

8.0 Lifting Mechanism

8.1 Lifting Mechanism: The lift base shall support the lift arm, the dump arm, the level pivot, the level link, the pivot link, and the reach link. The lift base shall rest atop the chassis frame rails. Lift mechanisms mounted alongside the chassis frame will not be accepted. All components of lift shall be accessible without lifting body in any way. NO EXCEPTIONS. The lift base shall consist of a ¾" X 16 inch X 61 inch 50,000 PSI yield surface plate for chassis frame mounting. Lift arm shall be mounted on right side of vehicle. Lift reach shall be 9 feet with a load capacity of 800 pounds.

8.2 The lift arm shall consist of a 4 ½ inch X 9 ½ inch structure with a 4 inch X 3 inch structural tube to serve as support for the dump arm.

8.3 The dump arm shall consist of a 4 inch X 3 inch structural tube that will support the appropriate grabbers.

8.4 The lifting mechanism shall be capable of lifting containers ranging from 30-300 gallons and shall be capable of extending, grabbing, raising, dumping, and returning a container from any position without the need to retract the lift arm and shall perform the lift cycle functions maximum eight (8) seconds at engine idle. Lifting mechanism shall incorporate a self-leveling feature to keep the container in a level position throughout the full motion of the outer boom.

8.5 The lift shall be powered by three (3) hydraulic cylinders with cushions at each end of the stroke. The raise and reach cylinders shall have hardened and chrome plated rods. Control valves shall be direct acting, air actuated.

8.6 Cycle Time: Maximum time for lifting, mechanism to raise, dump, lower, and disengage container at maximum reach. Maximum: 8 seconds at engine idle.

Cycle time in seconds 8 seconds

- 8.7 A LED light and audible alarm shall be installed within control panel to indicate when the lift is not fully stowed. Indicator light shall be labeled.

9.0 Controls

- 9.1 Lifting controls: The lift controls shall be a joystick operated with a combination of electric over air over hydraulic and air over hydraulic and located in a convenient location in the cab. The reach and lift shall be controlled by appropriate movement of the joystick. The grabber functions shall be controlled by thumb switches on the upper portion of the joystick.

- 9.2 **Solid Waste division will have final determination where joystick/controls will be located.**

- 9.3 The packer button controls shall be electrical push buttons located in the cab convenient to the operator. Separate push buttons shall be provided for "Pack and Retract" to provide complete packer panel movement control in either direction. Pushing the "Pack" button shall automatically extend and retract the packer panel for a complete cycle. Selectable auto-dump and auto-stow shall be provided.

- 9.4 An emergency on/off button shall be provided to stop packer panel movement during the extent or retract cycles.

- 9.5 Tailgate raise and tailgate lock controls shall be individually controlled by pneumatic toggle switches inside the cab.

10.0 Hydraulic System

- 10.1 Hydraulic Pump: Front mounted hydraulic pump shall be a Denison tandem vane pump with electronic over-speed control. The system shall have a maximum 2500 PSI working pressure. The lift operation shall be limited to 18 GPM @ 800 RPM. The pump shall combine flow to 44 GPM @ 1200 RPM to operate the packer panel. Pump shall have the ability to pack-on-the-run. Pump driveshaft shall be provided with suitable guard. Hydraulic pump shall be warranted by its manufacturer for a period of not less than two (2) years. No clutches shall be used in PTO/pump system. Pump shall be mounted to allow ease of maintenance and removal, removal of bumper to gain access to pump is not acceptable. Hydraulic pump shall be primarily constructed of cast iron and/or steel.

- 10.2 Hydraulic Tank: Tank shall be of sufficient capacity to allow repeated cycling without overheating hydraulic oil. Tank shall be provided with an internally mounted suction screen with service access, return line filter with spin-on element, electrical by-pass indicator, shut-off ball valve, and screened fill port. All tank venting shall be filtered. Tank shall have a temperature gauge and an oil sight gauge with a minimum length of 5 inches. A pressure differential monitor with "CHANGE FILTER" light shall be installed in cab. Tank shall have an outer black powder coated finish.

- 10.3 Hydraulic Plumbing: Welded steel tubing shall be used wherever possible secured by cushioned clamps. All hydraulic hose shall meet or exceed SAE 100R2 Type AT requirements and shall be

CNIG™ TAILGATE



THE WHEELS ARE ALWAYS TURNING

DIVISION COMPANY

12" LOWER OVERALL
HEIGHT THAN TOP OF
BODY MOUNT

AVAILABLE ON
ASL AND AFL
OEM INSTALLATION

INTEGRATED
TAILGATE
DESIGN

FEATURES AND BENEFITS

Increased efficiency and productivity



The DPF CNrG™ allows the customer to select up to 90 DGE capacity without the use of frame mounted tanks.

BENEFIT

Allows for the entire CNG system to be installed in the tailgate, reducing costly split system designs.

WHY IT MATTERS TO YOU

- Can use commercial fill stations for a faster fill
- More time on route



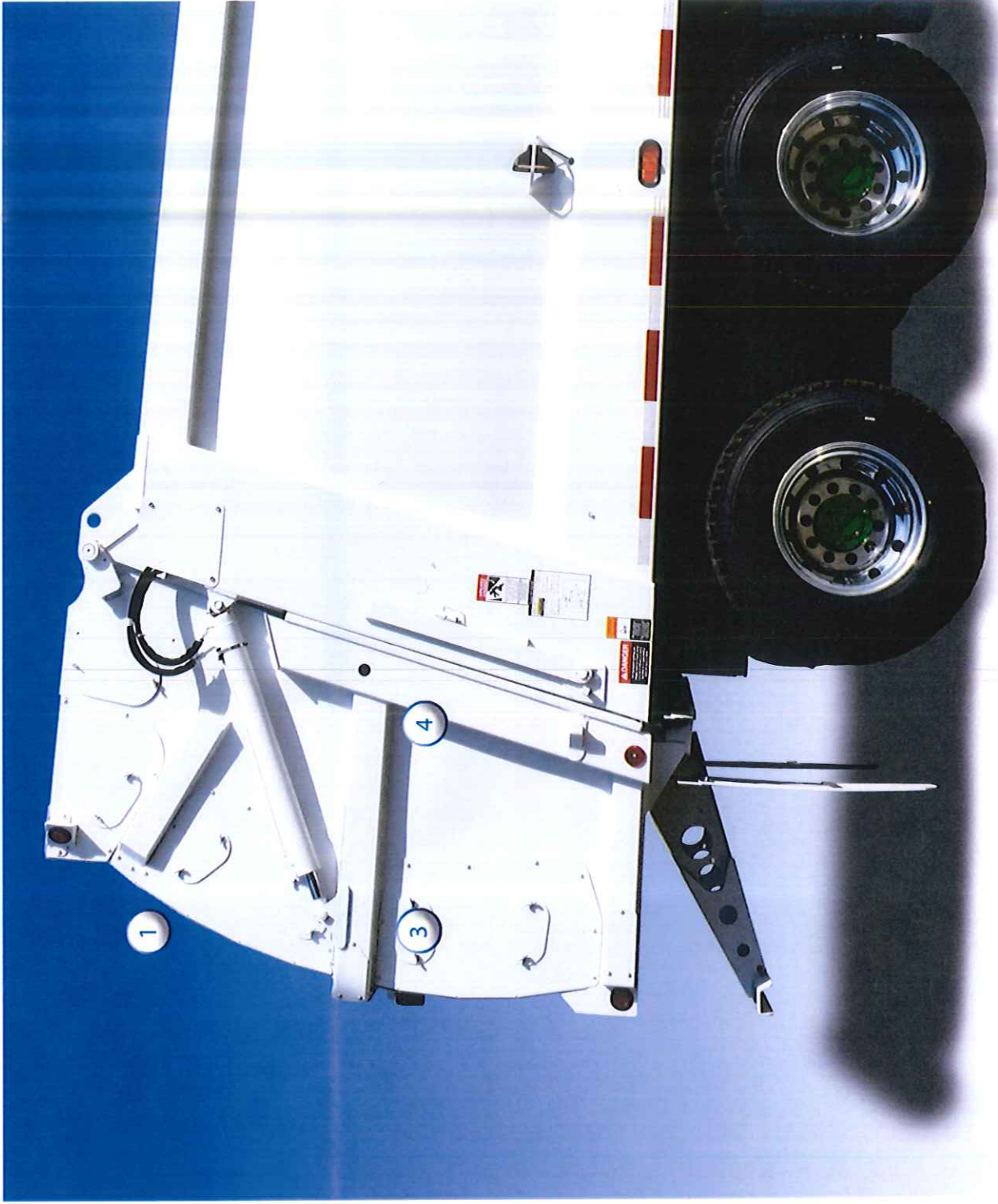
CNrG removes the tanks off the top of the body for a lower profile vehicle.

BENEFIT

As compared to top-of-body CNG, the CNrG reduces the overall height of the unit 12 inches.

WHY IT MATTERS TO YOU

- Can get into height-restricted areas
- Eliminates top of body tank and cabinet damage



2



VALVE ACCESS COVERS 3



Removable valve cover plates allow quick and easy access.

BENEFIT

The valve access covers are attached with wingnuts which can be twisted off by the operator for decompression of the CNG canisters.

WHY IT MATTERS TO YOU

- Ease of access saves time
- No special tools needed

RETRO FIT KITS AVAILABLE 4



Heil offers tailgate assemblies and tank add-on kits if customers wish to remount a body onto a CNG chassis.

BENEFIT

Convert diesel fleets to CNG more economically. Convert top of body CNG units to CNG and use your existing transverse CNG tanks.

WHY IT MATTERS TO YOU

- Cost-efficient way to convert diesel fleets to CNG
- Available 60-90 DGE ASL
- Available 60-105 DGE AFL



THE WHEELS ARE ALWAYS TURNING

DOVER COMPANY

CNRG™ TAILGATE



A DOVER COMPANY

Purchase your Heil unit through NJPA*

National Joint Powers Alliance (NJPA) has awarded Heil

Co. a nationally bid

contract for "Mobile

Refuse Collection

Vehicles with

Related Equipment,

Accessories, and Services".



Through the Heil Co. Contract (112014-THC), NJPA members can purchase any of Heil's line of mobile refuse collection vehicles, including automated carry cans from Curotto-Can, without having to create a RFP and send the project through a duplicate bid process. By using the existing nationally bid contract, Members can receive the products they need more quickly and cost effectively.

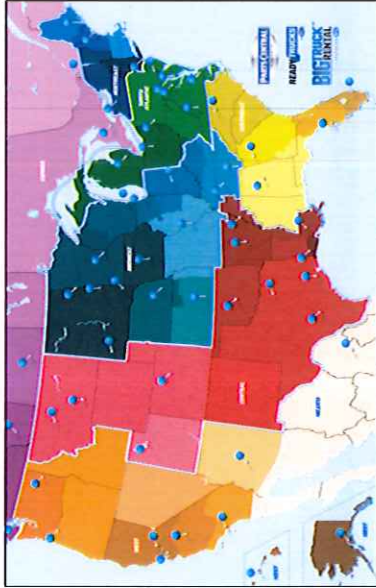
Best of all, membership in NJPA is free! Qualified agencies can join online via NJPA website at www.njpacoop.org.

To find out more about purchasing Heil mobile refuse collection vehicles via the Heil Co. NJPA contract, please contact your Heil local dealer.

Trust Heil Certified OEM and aftermarket parts

Heil Certified OEM parts are the most reliable replacement parts for Heil refuse collection vehicles. They're made following the exact specifications and production processes on the same assembly lines as the parts originally installed on the bodies. This means that they fit perfectly every time. Heil uses only the highest-quality materials for parts that last — minimizing costly downtime. For more information on parts, please call 800.528.5308.

2030 Hamilton Place Blvd., Suite 200, Chattanooga, TN 37421
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Rely on experienced local support

When you buy from Heil, you gain the aftermarket support of the industry's strongest network of dealers in North America. We stand behind our products, so you get the support you need for the life of those products. Our dealers are also trained to help you find the best product for your particular route needs.

To find the dealer nearest you, visit our website at www.heil.com and click on "Dealer Locator."

Rent a Heil unit from Big Truck Rental

There are many reasons why renting your refuse trucks may be the perfect solution compared to purchasing vehicles for your fleet. Heil is pleased to partner with Big Truck Rental to offer short- and long-term rental options on our most popular refuse collection models, including front loaders, rear loaders, automated side loaders, and roll-off hoists.

Call your local Heil Dealer for more information or visit www.bigtruckrental.com.



Choose your DuPont® finish

Proven paint process

At Heil, we recognize that a quality paint finish requires a quality process and application. We have reviewed and refined our paint procedures to fully utilize the optimal characteristics of the paint and provide the finish and durability expected of Heil products. Heil uses a detailed process which includes:

1. Body surface prep
2. Joint sealer
3. Component powder-coating
4. Undercoating
5. DuPont paint

DuPont is the leader in commercial finishes, and Heil proudly uses DuPont primer and paint on all our refuse collection vehicles. Our priming and painting processes provide optimal adherence, durability, and corrosion resistance.

Count on the Lowest TCO

Refuse and recycling collection vehicles are our passion, and we apply tremendous resources to advance our product and service offerings to improve the profitability of your business and provide the lowest Total Cost of Ownership and the maximum return on your investment. You can be confident that choosing Heil equipment brings a long-term partnership with the industry leader.

CONTACT YOUR LOCAL DEALER

Provided by:

Central Indiana Truck Equipment
2128 S Harding St. Indpls, IN 46221
317.639.4207



DuraPack® Python®

High-Compaction Automated Side Loader Product Specifications

Performance Specifications	
Lift Capacity	up to 800 lbs.
Lift Cycle Time *	8 seconds
Lift Reach	9 ft.
Compaction	Up to 900 lbs. per yd ³
Working RPM	800 (operate-in-gear-at-idle)
* Complete cycle time defined as grip, dump, return and release.	

All designs, specifications, and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is for information purposes only and shall not be construed to warrant suitability of the unit for any particular purpose, as performance may vary with the conditions encountered. The only warranty is our standard written Warranty Statement for this product at the time of shipment.

Typical Chassis Configuration*					
Min. GVWR	52,000	24 yd ³	26 yd ³	28 yd ³	33 yd ³
Min. GAWR	18,000	18,000	18,000	18,000	18,000
	34,000	34,000	38,000	40,000	44,000
Usable CT	177 ± 3	189 ± 3	177 ± 3	189 ± 3	201 ± 3
C.O.E Wheelbase	200 ± 3	212 ± 3	200 ± 3	212 ± 3	224 ± 3
	240	250	240	250	285
Min. Platform	240	260	260	260	295
	in.	in.	in.	in.	in.

* Additional Requirements
 • 425 ft.-lbs. recommended engine torque at pump shaft at idle.
 • Neutral signal, brake signal, and R-stator signal dedicated for body builder use. In cab.
 • 130 amp alternator - minimum.

Cylinder Specifications		
BODY CYLINDERS	Type	Bore x Stroke
Tailgate Raise	(2) Double acting	in. 3.0 x 3.5
		mm 76 x 88.9
Packer Blade	(2) Double acting	in. 5.5 x 6.3
		mm 140 x 160.0
Packer/Ejector (eject model)	(2) Double acting	in. (26) 5.5 x 141
		(28) 5.5 x 151
		(33) 5.5 x 181
Tailgate Locking	(2) Double acting	mm (26) 140 x 3581
		(28) 140 x 3835
		(33) 140 x 4597
Body Hoist (dump model)	(2) Single acting 2 stage telescopic	in. 3.0 x 3.625
		mm 76 x 92
LIFT CYLINDERS	(1) Double acting	in. 3.1 x 16.0
		mm 80 x 406
Reach	(1) Double acting	in. 3.1 x 8.0
		mm 80 x 203
Grab	(1) Double acting	in. 3.1 x 16.0
		mm 80 x 406

Body Specifications						
Body Capacity	yd ³	22 yd ³	24 yd ³	26 yd ³	28 yd ³	33 yd ³
Hopper Capacity	m ³	16.8	18.3	19.3	21.4	25.2
	yd ³	5.2	5.2	5.2	5.2	5.2
Overall Length	in.	4.0	4.0	4.0	4.0	4.0
	mm	255	265	274	284	319
Overall Length (Tailgate Raised)	in.	6.477	6.731	6.960	7.214	8.103
	mm	332	342	332	342	382
Overall Width	in.	8.433	8.687	8.433	8.687	9.703
	mm	96	96	96	96	96
Overall Height Above Frame	in.	2.438	2.438	2.438	2.438	2.438
	mm	103	103	103	103	103
body lowered	in.	2.616	2.616	2.616	2.616	2.616
	mm	190	190	190	190	190
body raised	in.	4.826	4.826	4.826	4.826	4.826
	mm	180	180	180	180	180
tailgate raised	in.	4.560	4.560	4.560	4.560	4.560
	mm	16,000	16,200	16,300	16,700	18,000
Gross Weight (Route Ready)	kg.	7,260	7,350	7,400	7,580	8,170

Automated Lift Specifications	
Lift load capacity	800 lbs.
Cycle time	8 seconds @ idle
Reach	9 ft.
Ground clearance	20 in. from ground to bottom of grabber arms (based on a 42 in. chassis rail height)
Weight*	1,850 lbs. approx.
Controls	Joystick, air over hydraulic with feathering ability
* Weight includes standard 60/90 gallon grabbers	

Hydraulic Specifications	
PUMP	Operate-In-Gear-At-Idle (standard)
Type	Tandem Vane
Maximum Operating Pressure	2,500 psi (17,238 kPa)
Working RPM	800 RPM approx.
Flow at Working RPM	28 GPM (106 LPM) approx.
OIL RESERVOIR	Chassis frame mounted
Gross Capacity	50 gallons (190 liters)
Filters	Return line 3 micron, 140 micron suction strainer
VALVES	
Packing Control	Electric, push button operated
Tailgate Locking	Air operated toggle
Body Raise	

2030 Hamilton Place Blvd., Suite 200, Chattanooga, TN 37421
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NJPA Contract #060612-ESG



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Provided by:

Central Indiana Truck Equipment
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THE WHEELS ARE ALWAYS TURNING

— A UNITED COMPANY —

DuraPack® Python®

High-Compaction Automated Side Loader



DuraPack® Python®

The fastest strike in the refuse jungle!

The DuraPack Python automated side loader combines two proven products in one high-performance package — the DuraPack body, which is famous for its toughness and productivity, and the patented Python automated arm, which is faster, smoother, and longerlasting than any other.

The DuraPack Python's arm has an 8-second lift cycle. That can save you up to 4 seconds per stop — and up 1 hour per day — delivering a fiscal savings of more than \$15,000 per truck every year! You don't have to wait for the hopper to catch up with a load, either, because the Python's follower panel enables continuous dumping. Twin packing cylinders deliver outstanding payloads, so you can collect more homes with fewer trips to the disposal site.

Able to lift up to 800 pounds, the Python's arm features cushioned cylinders for action that's as smooth as a snake, saving wear and tear on the lift arm and the chassis. The Python's unique lift geometry also prevents spillage and enables the arm to return carts with the lids closed every time.

Heil's Operate-in-Gear-at-Idle System comes standard on the DuraPack Python. It is designed to reduce wear on the lift assembly, chassis, engine, and transmission. Plus, it greatly reduces noise — a benefit to operators and customers alike.

We back all Heil units with a worldwide network of knowledgeable dealers and service centers, as well as the industry's first dedicated manufacturer-based training facility and mobile training centers, to help you keep your Python operating at its peak. Add to that Heil's century-old heritage of commitment to customer satisfaction, and you can feel certain that when you choose a DuraPack Python you are getting the most productive and durable automated side loader available.

Read on to learn more about the DuraPack Python's operator-friendly features, and then contact your Authorized Heil Dealer for assistance in choosing the Heil refuse collection vehicle that is right for you. To find the Dealer nearest you, visit www.heil.com.





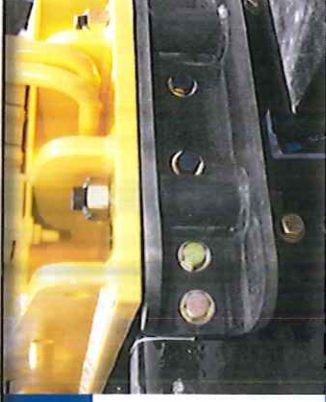
Striking Features

The DuraPack® Python® was specifically engineered with features that will withstand the punishment of daily use.

- **Solid Foundation** — Our exclusive fully welded interlaced subframe provides exceptional strength and durability, while resisting corrosion and salt damage. This means your DuraPack Python will enjoy a long lifespan.
- **Less Time in the Shop** — The Python features our Service Smart™ design, which simplifies routine maintenance and keeps you away from the shop and out servicing your customers — and making money.
- **Exceptional Reach** — The patented automated arm can reach up to 9 feet.
- **Bigger Bites** — A 5.2 cubic yard hopper means the Python can easily handle a variety of container sizes, from 30 to 96 gallons, with fewer trips to the disposal site.
- **On-board Diagnostic Tools** — Quickly and easily diagnose problems away from outside hazards and weather. On-board diagnostic tools make troubleshooting a breeze.
- **Tough Tailgate** — The DuraPack Python's tailgate is reinforced to prevent buckling and features a 60-inch seal to keep liquids inside the body where they belong.
- **Shur-Lock™ Tailgate Locks** — Heil's in-cab operated tailgate locking system not only keeps payloads secure but also enables the operator to unlock and open the tailgate to discharge the payload from the safety and comfort of the cab. Reflective indicator tags, visible from the cab's mirrors, confirm when the tailgate is sealed.

DuraMount™ Design

Heil's DuraMount Design, which is used to mount the lift to the chassis frame, reduces the potential for bolt fatigue and provides Service Smart™ bolt access for easy maintenance.



Joystick Cab Controls

Reliable, ergonomic joystick controls deliver smoother performance and enhance usability. With the standard AutoLoad system, the operator can reach, grab, lift, dump, and return the arm to the stowed position using only the joystick and 2 buttons.



Python® Grabber Gears

Made from specially formulated high-strength alloy steel, the Python's superior hardened grabber gears virtually eliminate gear wear. The gears are splined to the grabber shafts and can be cycled up to 1,000,000 times with no evidence of wear.



Python Automated Lift

The Python's 8-second lift cycle can save you up to 4 seconds per stop and up to 1 hour per day — which can add up to more than \$15,000 in savings per truck per year! The Python's 9-foot reach can slither between cars and other obstacles, making even the most difficult pick-ups possible.



Heil Python Exterior Finish Description

First Step- Smoothing – All weld slag, splatter or roughness shall be removed with the appropriate hand tools. No sand, shot or glass air blasting shall be permitted to eliminate contamination and possible distortion of higher gauge sheet materials used on the body.

Second Step- Purgation- A heated pressure wash shall drench the entire body with a silicate alkaline phosphate based pre-cleaner to clean all metal surfaces. This solution shall be non-corrosive to metals and shall be environmentally friendly.

Third Step- Pre-Treatment- An organically accelerated phosphoric acid based pretreatment will be applied to all metal surfaces. This step provides a chemical conversion coating which changes the chemical and physical nature of the surface by providing a surface that the next application (prime) will adhere to.

Fourth Step- Sealing- The entire body shall be coated with an application of the patented Dry-In-Place Seal from Henkel Surface Technologies. This process shall dramatically improve the surface finish's resistance to rusting that occurs from general wear and tear, and shall provide improvements to paint adhesion and other related corrosion that occurs over the life of the product. This shall help retain the "as new" appearance of the factory paint surface.

Fifth Step- Primer Coat Paint- The seal coat shall be painted using DuPont Corlar- a high performance, low VOC/HAPS epoxy polyamide primer-sealer. Corlar is a two-component gray primer-sealer that is lead and chromate free. This shall be applied in an amount necessary to achieve a dry film thickness of 1.2 mil.

Sixth Step- Finish Top Coat Paint- A high luster finish coat shall be applied using DuPont Imron Elite- a high-performance, low VOC (<3.5 lbs./gal RTS) two-component polyurethane enamel. An ample amount shall be applied to achieve a dry film thickness of 2 mil and shall result in a finish of 3.2 mil minimum film thickness.

Heil Python Available Options

Heil bodies sold and serviced by:

Central Indiana Truck Equipment Corp.
2128 S. Harding St.
Indianapolis, Indiana 46221

The following options are available to be added to the Heil Python body by CITE Corp. If any of the options are desired, please add them to the original bid price per unit:

Dual High-Pressure Filters: \$1,525

Infinity Packing Cylinders- includes 5-year packer cylinder warranty: \$2,596

3/16th Hopper and Body Floor Liner: \$1,171

Remote Lift Controls: \$1,311

Tapered Roof: \$1,269

Fender Extension: \$619

Manual Hopper Cover: \$1,031

Extended Coverage: CWI L9N and B6.7N Protection Plan I

Available on 2018 Cummins Westport L9N and B6.7N engines in the United States, Canada and Mexico.

Protection Plan I includes:

- Registered parts and labor;
- Covers Internal components and major engine systems;
- Covers all these components, including listed parts below and their mounting hardware and gaskets:
 - Cylinder head assembly
 - Cylinder block assembly
 - Rocker lever assembly
 - ECM
 - Piston, rings, and liners
 - Lube oil cooler assembly
 - Front gear cover assembly
 - Oil pan assembly
 - Connecting rod assembly
 - Lube Pump assembly
 - Camshaft assembly and bushings
 - Cam follower assemblies
 - Crank shaft assemblies
 - EGR cooler, valve and mixer
 - Turbo assembly
 - Water pump
 - Brake assembly
 - Air Compressor assembly
 - Select engine sensors
 - Low fuel pressure regulator
 - Throttle Plate Actuator
 - Closed Crankcase Ventilation (CCV) system *New for 2018

Protection Plan I - L9N

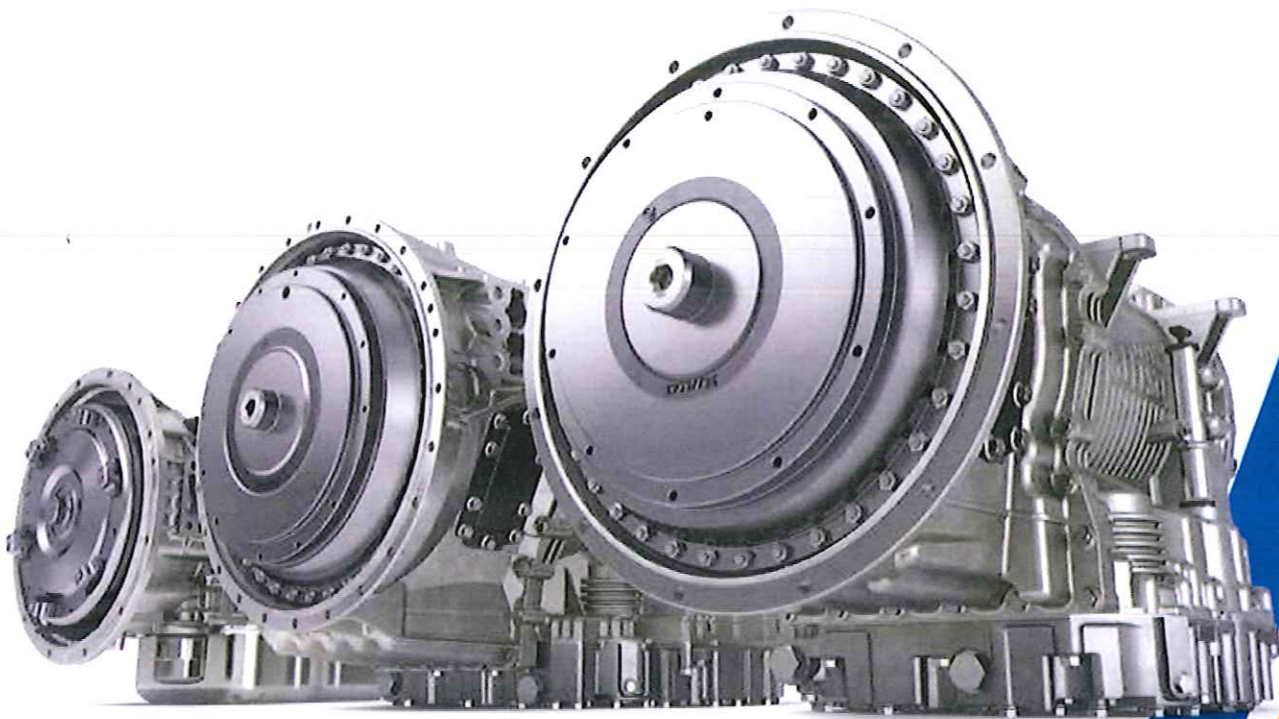
Years	Miles	Customer \$
3	100,000	\$1100
3	150,000	\$1600
4	150,000	\$1850
4	200,000	\$2850
5	150,000	\$2400
5	200,000	\$3100

Years	Miles	Customer \$
5	250,000	\$4100
5	300,000	\$5600
Program ID		GE1
MATRIX		334195

Protection Plan I - B6.7N

Years	Miles	Customer \$
3	100,000	\$900
3	150,000	\$1300
4	150,000	\$1500
4	200,000	\$2300
5	150,000	\$1950
5	200,000	\$2500
5	250,000	\$3300
5	300,000	\$4500
Program ID		GE1
MATRIX		334196

2020 Allison Transmission Coverage Pricing Guide



Improving The Way The World Works



Terms and Conditions for

Allison Transmission Coverage

Transmission Coverage Definitions and Requirements

Standard Limited Warranty

All Allison automatic transmissions carry a Standard Limited Warranty based upon Vocational Model Series and vocations*. Standard Limited Warranty includes 100% parts and labor for the designated coverage period. Mileage limitations for specific Vocational Model Series and/or vocations may apply.

Coverage Pricing

Extended Transmission Coverage must be purchased within one year of the delivery of the vehicle. Pricing shown in this brochure is applicable to Extended Transmission Coverage purchased in 2020.

Suggested retail prices are established for each transmission vocational model/vocation combination.

The terms and conditions under which Allison Transmission offers Extended Transmission Coverage are set forth on the back of the Extended Transmission Coverage Agreement Registration, available from any Allison Authorized Distributor or Dealer.

Pricing and/or coverage details shown in the following charts are subject to change without notice. All pricing is in US Dollars. For current prices and coverage information, go to allisontransmission.com.

Extended Transmission Coverage

In addition to Standard Limited Warranty and Partnership coverage, Allison transmissions listed in this brochure are eligible for Extended Transmission Coverage. Extended Transmission Coverage begins at the end of the Standard Limited Warranty and Partnership coverage period and increases the coverage period. Extended Transmission Coverage is available for purchase through Allison Authorized Distributors and Dealers. Details for Extended Transmission Coverage are shown on the following charts.

REQUIREMENTS: Use of Allison Approved TES 295® transmission fluid** and Genuine Allison Filters is required. Failure to use Allison Approved TES 295 transmission fluid and Genuine Allison Filters will result in no coverage for repair beyond Standard Limited Warranty coverage. Transmissions that are

not OEM factory filled with Allison Approved TES 295 transmission fluid and Genuine Allison Filters must have Allison Approved TES 295 transmission fluid and Genuine Allison Filters installed at the time of Extended Transmission Coverage purchase. Transmissions that are not OEM factory filled with Allison Approved TES 295 transmission fluid, or transmissions operating with non-TES 295 fluids, must be drained and filled with Allison Approved TES 295 transmission fluid to achieve 100% concentration. One hundred percent concentration is not achieved until the second consecutive fluid change using Allison Approved TES 295 transmission fluid. The second consecutive fluid change must be achieved at the time of Extended Transmission Coverage purchase.

NOTE: Except as noted, all transmissions with Extended Transmission Coverage have 100% parts and labor coverage with no mileage limitations.

Partnership Coverage

Some Allison-equipped vehicles purchased through Allison Partnerships carry Partnership Coverage. Partnership Coverage begins at the end of the Standard Limited Warranty period. Duration of Partnership Coverage varies depending upon the Vocational Model Series purchased.

REQUIREMENTS: Use of Allison Approved TES 295 transmission fluid and Genuine Allison Filters is required. Failure to use Allison Approved TES 295 transmission fluid and Genuine Allison Filters will result in no coverage for repairs beyond Standard Limited Warranty.

NOTE: Except as noted, all transmissions with Partnership Coverage beyond Standard Limited Warranty have 100% parts and labor coverage with no mileage limitations.

NOTE: Partnership Coverage only applies to units shipped before January 1, 2020.

* See Warranty Parchment for exact coverage details.

** For a list of current Allison Approved TES 295 transmission fluids, go to: allisontransmission.com; click on Parts + Service, then Approved Fluids.

2020 Allison Transmission Coverage Pricing Guide

RUGGED DUTY SERIES™		Standard Limited Warranty	Extended Transmission Coverage*		RUGGED DUTY SERIES™		Standard Limited Warranty	Extended Transmission Coverage*	
Model	Vocation	Years of Coverage	2 Years	4 Years	Model	Vocation	Years of Coverage	2 Years	4 Years
1000 RDS	P&D and Beverage	3	\$361	N/A	3000 RDS	P&D and Beverage	3	\$482	N/A
	Utility and Other	3	\$361	N/A		Refuse Packer	3	\$938	N/A
	Dump Trucks/Mixers	3	\$281	N/A		Utility and Other	3	\$482	N/A
1000 RDS xFE	Agriculture	3	\$281	N/A	Dump Trucks/Mixers	3	\$482	\$1,020	
	P&D and Beverage	3	\$361	N/A	Agriculture	3	\$482	N/A	
	Utility and Other	3	\$361	N/A	P&D and Beverage	3	\$704	N/A	
1350 RDS	Dump Trucks/Mixers	3	\$281	N/A	3000 RDS R**	Refuse Packer	3	\$1,143	N/A
	Agriculture	3	\$281	N/A	Utility and Other	3	\$704	N/A	
	P&D and Beverage	3	\$319	N/A	Dump Trucks/Mixers	3	\$704	\$2,025	
1350 RDS xFE	Utility and Other	3	\$487	N/A	3500 RDS	Agriculture	3	\$704	N/A
	Dump Trucks/Mixers	3	\$487	N/A	P&D and Beverage	3	\$487	N/A	
	Agriculture	3	\$487	N/A	Refuse Packer	3	\$947	N/A	
2100 RDS	P&D and Beverage	3	\$319	N/A	3500 RDS R**	Utility and Other	3	\$487	N/A
	Utility and Other	3	\$487	N/A	Dump Trucks/Mixers	3	\$487	\$1,175	
	Dump Trucks/Mixers	3	\$487	N/A	Agriculture	3	\$487	N/A	
2100 RDS xFE	Agriculture	3	\$487	N/A	P&D and Beverage	3	\$607	N/A	
	P&D and Beverage	3	\$552	\$773	Refuse Packer	3	\$1,060	N/A	
	Utility and Other	3	\$552	\$773	3500 RDS R**	Utility and Other	3	\$607	N/A
2200 RDS	Dump Trucks/Mixers	3	\$547	\$765	Dump Trucks/Mixers	3	\$607	\$2,153	
	Agriculture	3	\$547	\$765	Agriculture	3	\$607	N/A	
	P&D and Beverage	3	\$552	\$773	P&D and Beverage	3	\$877	N/A	
2200 RDS xFE	Utility and Other	3	\$547	\$765	4000 RDS	Refuse Packer	3	\$1,154	N/A
	Dump Trucks/Mixers	3	\$547	\$765	Utility and Other	3	\$877	N/A	
	Agriculture	3	\$547	\$765	Dump Trucks/Mixers	3	\$877	\$1,609	
2300 RDS	P&D and Beverage	3	\$541	\$758	4000 RDS R**	Agriculture	3	\$877	N/A
	Utility and Other	3	\$541	\$758	Refuse Packer	3	\$1,166	N/A	
	Dump Trucks/Mixers	3	\$541	\$758	Utility and Other	3	\$1,429	N/A	
2300 RDS xFE	Agriculture	3	\$541	\$758	4500 RDS	Dump Trucks/Mixers	3	\$1,166	\$2,286
	P&D and Beverage	3	\$555	\$777	Agriculture	3	\$1,166	N/A	
	Utility and Other	3	\$555	\$777	P&D and Beverage	3	\$826	N/A	
2350 RDS	Dump Trucks/Mixers	3	\$549	\$769	4500 RDS R**	Refuse Packer	3	\$1,052	N/A
	Agriculture	3	\$549	\$769	Utility and Other	3	\$826	N/A	
	P&D and Beverage	3	\$549	\$769	Dump Trucks/Mixers	3	\$826	\$1,472	
2350 RDS xFE	Utility and Other	3	\$549	\$769	4700 RDS	Agriculture	3	\$826	N/A
	Dump Trucks/Mixers	3	\$549	\$769	P&D and Beverage	3	\$910	N/A	
	Agriculture	3	\$549	\$769	Refuse Packer	3	\$1,152	N/A	
2500 RDS	P&D and Beverage	3	\$549	\$769	4700 RDS R**	Utility and Other	3	\$910	N/A
	Utility and Other	3	\$478	\$669	Dump Trucks/Mixers	3	\$910	\$1,784	
	Dump Trucks/Mixers	3	\$478	\$669	Agriculture	3	\$910	N/A	
2500 RDS xFE	Agriculture	3	\$478	\$669	P&D and Beverage	3	N/A	N/A	
	P&D and Beverage	3	\$478	\$669	Refuse Packer	3	\$1,532	N/A	
	Refuse Packer	3	\$928	\$1,300	Utility and Other	3	\$1,596	N/A	
2550 RDS	Utility and Other	3	\$478	\$669	Dump Trucks/Mixers	3	\$1,224	\$2,876	
	Dump Trucks/Mixers	3	\$478	\$669	Agriculture	3	\$1,272	N/A	
	Agriculture	3	\$478	\$669	P&D and Beverage	3	N/A	N/A	
2550 RDS xFE	P&D and Beverage	3	\$478	\$669	4700 RDS R**	Refuse Packer	3	\$2,171	N/A
	Refuse Packer	3	\$928	\$1,300	Utility and Other	3	\$1,846	N/A	
	Utility and Other	3	\$478	\$669	Dump Trucks/Mixers	3	\$1,846	\$4,375	
2550 RDS	Dump Trucks/Mixers	3	\$478	\$669	Agriculture	3	\$1,846	N/A	
	Agriculture	3	\$478	\$669					
	P&D and Beverage	3	\$549	\$769					
2550 RDS xFE	Refuse Packer	3	\$1,066	\$1,492					
	Utility and Other	3	\$549	\$769					
	Dump Trucks/Mixers	3	\$549	\$769					

Rugged Duty applications with a 2200/2500/3000 RDS Series™ may have additional coverage. Contact your distributor for additional information.

* Extended Transmission Coverage: Available for purchase through Allison Authorized Distributors and Dealers to increase coverage

** Retarder Option

2020 Allison Transmission Coverage Pricing Guide

HIGHWAY SERIES™		Standard Limited Warranty	Extended Transmission Coverage*	
Model	Vocation	Years of Coverage	1 Year	3 Years
1000 HS	P&D and Beverage	4	\$202	\$415
	Utility and Other	4	\$137	N/A
1000 HS xFE	P&D and Beverage	4	\$202	\$415
	Utility and Other	4	\$137	N/A
1350 HS	P&D and Beverage	4	\$164	\$419
	Utility and Other	4	\$164	N/A
1350 HS xFE	P&D and Beverage	4	\$164	\$419
	Utility and Other	4	\$164	N/A
2100 HS	P&D and Beverage	4	\$244	\$644
	Utility and Other	4	\$189	N/A
2100 HS xFE	P&D and Beverage	4	\$244	\$644
	Utility and Other	4	\$189	N/A
2200 HS	P&D and Beverage	4	\$191	\$497
	Utility and Other	4	\$191	N/A
2200 HS xFE	P&D and Beverage	4	\$191	\$497
	Utility and Other	4	\$191	N/A
2300 HS	P&D and Beverage	4	\$191	\$764
	Utility and Other	4	\$191	N/A
2350 HS	P&D and Beverage	4	\$189	\$455
	Utility and Other	4	\$189	N/A
2350 HS xFE	P&D and Beverage	4	\$189	\$455
	Utility and Other	4	\$189	N/A
2500 HS	P&D and Beverage	4	\$258	\$552
	Utility and Other	4	\$189	N/A
2500HS xFE	P&D and Beverage	4	\$258	\$552
	Utility and Other	4	\$189	N/A
2550 HS	P&D and Beverage	4	\$189	\$444
	Utility and Other	4	\$189	N/A
2550 HS xFE	P&D and Beverage	4	\$189	\$444
	Utility and Other	4	\$189	N/A
3000 HS	P&D and Beverage	4	\$287	\$616
	Utility and Other	4	\$272	N/A
3000 HS R**	P&D and Beverage	4	\$294	\$838
	Utility and Other	4	\$294	N/A
4000 HS	P&D and Beverage	4	\$297	\$854
	Utility and Other	4	\$359	N/A
4000 HS R**	P&D and Beverage	4	\$419	\$1,296
	Utility and Other	4	\$419	N/A
4500 HS	P&D and Beverage	4	\$328	\$854
	Utility and Other	4	\$362	N/A
4500 HS R**	P&D and Beverage	4	\$419	\$1,526
	Utility and Other	4	\$419	N/A

Highway applications with a 2200/2500/3000 HS Series™ may have additional coverage. Contact your distributor for additional information.

* Extended Transmission Coverage: Available for purchase through Allison Authorized Distributors and Dealers to increase coverage

** Retarder Option

PUPIL TRANSPORT/SHUTTLE SERIES™		Standard Limited Warranty	Extended Transmission Coverage*	
Model	Vocation	Years of Coverage	1 Year	2 Years
1000 PTS	School Bus	4	\$368	N/A
	Shuttle Bus	3	N/A	\$1,142
1000 PTS xFE	School Bus	4	\$368	N/A
	Shuttle Bus	3	N/A	\$1,142
1350 PTS	School Bus	4	\$364	N/A
	Shuttle Bus	3	N/A	\$1,142
1350 PTS xFE	School Bus	4	\$364	N/A
	Shuttle Bus	3	N/A	\$1,142
2100 PTS	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$593	N/A
2100 PTS xFE	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$593	N/A
2200 PTS	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$599	N/A
2200 PTS xFE	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$599	N/A
2300 PTS	School Bus	5	N/A	N/A
	School Bus	5	N/A	N/A
2350 PTS	School Bus	5	N/A	N/A
	School Bus	3	N/A	\$527
2350 PTS xFE	School Bus	5	N/A	N/A
	School Bus	3	N/A	\$450
2500 PTS	School Bus	5	N/A	N/A
	School Bus	3	N/A	\$522
2500 PTS xFE	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$311	N/A
3000 PTS	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$311	N/A
3000 PTS R**	School Bus	5	N/A	N/A
	Shuttle Bus	4	\$478	N/A

Any Pupil Transport/Shuttle Series Coverage beyond Standard Limited Warranty does not have a mileage limitation. School Bus applications with a 2300/2350/2500/2550 PTS Series™ may have additional coverage. Contact your distributor for additional information.

* Extended Transmission Coverage: Available for purchase through Allison Authorized Distributors and Dealers to increase coverage

** Retarder Option

TRUCK RV SERIES™		Standard Limited Warranty
Model	Vocation	Years of Coverage
3000 TRV P	Truck/Recreational	5
3000 TRV R*	Truck/Recreational	5
3200 TRV	Truck/Recreational	5
3200 TRV R*	Truck/Recreational	5
4000 TRV	Truck/Recreational	5
4000 TRV R*	Truck/Recreational	5

* Retarder Option

EMERGENCY VEHICLE SERIES™

All Emergency Vehicle Series Models carry a 5-year Standard Limited Warranty. See Warranty Parchment for exact coverage details.

2020 Allison Transmission Coverage Pricing Guide

MOTORHOME SERIES™		Standard Limited Warranty
Model	Vocation	Years of Coverage
1000 MH	Motorhome/RV	5
1000 MH xFE	Motorhome/RV	5
1350 MH	Motorhome/RV	5
1350 MH xFE	Motorhome/RV	5
2100 MH	Motorhome/RV	5
2100 MH xFE	Motorhome/RV	5
2200 MH	Motorhome/RV	5
2200 MH xFE	Motorhome/RV	5
2350 MH	Motorhome/RV	5
2350 MH xFE	Motorhome/RV	5
2500 MH	Motorhome/RV	5
2500 MH xFE	Motorhome/RV	5
2550 MH	Motorhome/RV	5
2550 MH xFE	Motorhome/RV	5
3000 MH	Motorhome/RV	5
3000 MH R*	Motorhome/RV	5
4000 MH	Motorhome/RV	5
4000 MHR*	Motorhome/RV	5

SPECIALTY SERIES™		Standard Limited Warranty	Extended Transmission Coverage*	
Model	Vocation	Years of Coverage	1 Year	3 Years
1000 SP	Specialty/Military	2	N/A	\$493
1350 SP	Specialty/Military	2	N/A	\$498
2100 SP	Specialty/Military	2	N/A	\$546
2200 SP	Specialty/Military	2	N/A	\$557
2350 SP	Specialty/Military	2	N/A	\$600
2500 SP	Specialty/Military	2	N/A	\$483
2550 SP	Specialty/Military	2	N/A	\$483
3000 SP	Specialty/Military	2	N/A	\$448
3000 SP R**	Specialty/Military	2	N/A	\$914
3200 SP	Specialty/Military	2	N/A	\$426
3200 SP R**	Specialty/Military	2	N/A	\$435
3500 SP	Specialty/Military	2	N/A	\$261
3500 SP R**	Specialty/Military	2	N/A	\$368
4000 SP	Specialty/Military	2	N/A	\$393
4000 SP R**	Specialty/Military	2	N/A	\$941
4500 SP	Specialty/Military	2	\$202	\$540
4500 SP R**	Specialty/Military	2	\$169	\$741
4700 SP	Specialty/Military	2	\$223	\$674
4700 SP R**	Specialty/Military	2	\$265	\$1,235
4800 SP	Specialty/Military	2	\$253	\$763
4800 SP R**	Specialty/Military	2	\$345	\$1,243

If the transmission is OEM factory filled with Allison Approved TES 295[®] transmission fluid, the end-user is automatically registered, at no additional cost, for Extended Transmission Coverage, which provides coverage of 5 years/200,000 miles and 100% parts and labor. Use of Allison Approved TES 295 transmission fluid and Genuine Allison Filters is required to maintain Extended Transmission Coverage. Failure to meet these guidelines will result in only Standard Limited Warranty coverage.

* Retarder Option

* Extended Transmission Coverage: Available for purchase through Allison Authorized Distributors and Dealers to increase coverage

** Retarder Option

Vocational Model Warranty Parchments

HIGHWAY SERIES™ (HS)	SE0617
RUGGED DUTY SERIES™ (RDS)	SE0617
PUPIL TRANSPORT/SHUTTLE SERIES™ – SCHOOL BUS (PTS)	SE0610
PUPIL TRANSPORT/SHUTTLE SERIES™ – SHUTTLE BUS/OTHER BUS (EXCLUDING TRANSIT, INTERCITY/COACH) (PTS)	SE0614
EMERGENCY VEHICLE SERIES™ – FIRE APPARATUS (EVS)	SE0616
MOTORHOME SERIES™ – MOTORHOME (MH)	SE0612
TRUCK RV SERIES™ (TRV)	SE0612
OIL FIELD SERIES™ (OFS)	SE0623
SPECIALTY SERIES™ (SP)	SE0705

Q. During my Extended Coverage period, will Allison Transmission cover repairs if I do not use an Allison Approved TES 295® transmission fluid AND Genuine Allison Filters?

A. No.

Q. Where can I purchase Extended Coverage?

A. You can purchase the coverage from any Allison Authorized Distributor or Dealer.

Q. When do I purchase Extended Coverage?

A. You can purchase the coverage at the time the vehicle is delivered or within 12 months of vehicle delivery.

Q. How do I pay for this Extended Coverage?

A. You may include the cost with the purchase of your vehicle (with dealer approval) or simply write a check to the Allison Authorized Distributor or Dealer.

Q. Will repairs be accepted in this program?

A. Yes, as long as they are new Allison transmissions in approved applications and the Extended Coverage is purchased within 12 months of purchase of the new Allison transmission.

Q. Do I have to return to the selling outlet to obtain service?

A. No. You may select any Allison Authorized Distributor or Dealer offering vehicle transmission service.

Q. If I decide to sell or trade in my vehicle before my coverage expires, can the remaining coverage be transferred to my new transmission?

A. No. The remaining coverage is not transferable to your new transmission. The Extended Coverage purchased stays with the transmission. There is no need for transfer papers to be filed.

Q. If I take delivery of a new vehicle from an outlet that does not make Extended Coverage available, am I still eligible to purchase the coverage?

A. Yes. Contact your nearest Allison Authorized Distributor or Dealer to purchase the coverage.

Q. Are towing charges to the nearest Allison Transmission authorized service outlet covered by Extended Coverage?

A. Yes, if your vehicle is disabled or if towing is necessary to prevent further damage to your transmission.

Q. Is the support equipment purchased from Allison Transmission for original installations covered by Extended Coverage?

A. Yes, support equipment supplied by Allison Transmission to the OEM is covered.

Q. Are the electronic components purchased from Allison Transmission covered by Extended Coverage?

A. Yes.

Q. What coverage is offered on the TC10*?

A. TC10 has a 5-year/750,000-mile warranty, whichever occurs first. There is currently no Extended Transmission Coverage offered for the TC10.

Extended Coverage Vocation Codes

P&D AND BEVERAGE

ST09 P&D, Beverage
ST10 P&D, Tanker Fuel/Propane/Pool
ST11 P&D, Household Moving
ST12 P&D, Postal
ST13 P&D, Other

MOTORCOACH

BU03 Coach, Intercity
BU05 Coach, Tour

MOTORHOME

BU04 Motorhome

TRUCK RV

ST14 Truck RV

SCHOOL BUS

BU06 Bus, School - Front Engine
BU07 Bus, School - Rear Engine

OIL FIELD SERVICES

OFO5 Accessory Power
OFO6 Propulsion

SHUTTLE BUS

BU08 Bus, Shuttle
BU09 Bus, Other

REFUSE PACKER

ST15 Refuse, Packer - Landfill
ST16 Refuse, Packer - No Landfill

AGRICULTURE

AG01 Tractor, Farm
AG02 Hay Squeeze, Other
AG03 Spreader/Sprayer

DUMP TRUCKS/MIXERS

ST01 Dump Truck, Construction
ST06 Dump Truck Highway Maintenance
ST07 Concrete Mixer

MILITARY

SP02 Military

FIRE AND EMERGENCY

ST02 Ambulance, Emergency Support Vehicles
ST03 Fire, Articulated
ST04 Fire, Pumper
ST05 Fire, Other

UTILITY AND OTHER

ST18 Snow Plow
ST19 Tree Service/Lawn Care/Landscaping
ST20 Utility, with Bucket, Auger, etc.
ST21 Wrecker
ST22 Straight Truck - Other
TT01 Tractor - Single Axle
TT02 Tractor - Tandem Axle
TT05 Tractor - Other
ST08 One Way Rental
AG04 Feedlot Truck
SP01 Aircraft Support
SP03 Dock Spotter
SP04 Street Sweeper
SP05 Special - Other
ST17 Refuse, Roll-on/Roll-off

One Allison Way
Indianapolis, Indiana, USA 46222-3271

Information or specifications subject to
change without notice or obligation.

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STANDARD CHASSIS WARRANTY CERTIFICATE



Mack Trucks warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks' maintenance and inspection requirements are followed. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations, and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to **Model Year 2021 trucks**, manufactured by Mack Trucks, operated in the United States and Canada with **EPA 17 engines**. Specific coverage is based on the application and weight class as described in the following chart:

	Standard NORMAL DUTY	Standard HEAVY DUTY	Standard SEVERE DUTY
Typical Vocations	Line / Long Haul, Short Haul, or Pickup & Delivery	Heavy Line Haul, Construction, Refuse, Fire or Rescue Service	Heavy Construction, Heavy Refuse, Off-Road, Heavy Haul, Mining, Logging, or Oil Field
Weight Class Qualifications	Vehicle must have GVWR ≤ 63,000 lbs. (≤ 28 metric tons) or GCWR ≤ 110,000 lbs. (≤ 50 mt.)	Vehicle must have GVWR ≤ 80,000 lbs. (≤ 36 mt.) or GCWR ≤ 143,000 lbs. (≤ 65 mt.)	Vehicle must have GAWR > 52,000 lbs. (> 23.5 mt.) or GVWR > 80,000 lbs. (> 36 mt.) or GCWR > 143,000 lbs. (> 65 mt.)
Basic Coverage *	12 months or 100,000 miles (160 934 km)	12 months or 100,000 miles (160 934 km)	12 months or 100,000 miles (160 934 km)
Chassis Towing	Towing/Road Service coverage is limited to 90 days or 5,000 miles (8047 km), whichever occurs first, limited to the truck (less trailer) and to a single tow per incident to the nearest authorized Mack Trucks service center. Charges in excess of \$1,000 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow.		Not Applicable
Air Conditioning	Air conditioning (sealed system only) is covered for 12 months with no mileage limitation.		
Engine / Emission	Not covered under this warranty certificate. See respective engine manufacturer's warranty certificate. See paragraph 19 on reverse side.		
Transmission, Driveline, Rear Axle, Front Non-Drive Steer Axle	36 months or 350,000 miles (563 270 km) Covered Components are as follows: • Manual Transmission – Transmission assembly • Rear Axle – Differential carrier assembly & axle housing • Front Non-Drive Steer Axle – Axle beam, steering knuckle, & tie rod • Driveline – Bearings, hangers & shafts		12 months or 100,000 miles (160 934 km)
	Allison Automatic Transmissions are not covered under this warranty certificate. See paragraph 19 on reverse side.		
Mack Carrier & Axle Housing	60 months or 500,000 miles (804 672 km)	36 months or 300,000 miles (482 803 km)	12 months or 100,000 miles (160 934 km)
Mack T300 Transmission	60 months or 750,000 miles (1 207 008 km)	36 months or 400,000 miles (643 738 km)	12 months or 100,000 miles (160 934 km)
mDRIVE™ Transmission	60 months or 750,000 miles (1 207 008 km) mDRIVE™ and mDRIVE™ HD	mDRIVE™: 36 months or 250,000 miles (402 336 km); mDRIVE™ HD: 36 months with no mileage limitation	12 months or 100,000 miles (160 934 km); mDRIVE™ HD: 24 months with no mileage limitation
mDRIVE™ Clutch	36 months or 300,000 miles (482 803 km) mDRIVE™ and mDRIVE™ HD	36 months or 250,000 miles (402 336 km) mDRIVE™ and mDRIVE™ HD	mDRIVE™: 12 months or 100,000 miles (160 934 km); mDRIVE™ HD: 24 months or 250,000 miles (402 336 km)
mDRIVE™ & T300 Towing	Towing/Road Service on warrantable transmission failures is covered to 24 months or 250,000 miles (402 336 km) whichever occurs first, limited to the truck (less trailer), and to a single tow per incident to the nearest authorized Mack Trucks service center. Charges in excess of \$1,000 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow.		Not Applicable
Trunnion Bracket	36 months or 300,000 miles (482 803 km) Limited to Trunnion Bracket & Spindle, Suspension Trunnion (Except Bushings)		12 months or 100,000 miles (160 934 km) (same restrictions as Normal & Heavy)
Cab Structure	60 months or 500,000 miles (804 672 km)	24 months or 200,000 miles (321 869 km)	12 months or 100,000 miles (160 934 km)
Internal Cab Corrosion	60 months or 500,000 miles (804 672 km)	60 months or 500,000 miles (804 672 km)	60 months or 500,000 miles (804 672 km)
	Covered only where metal is perforated from the inside to the outside. See paragraph 18 on the reverse side.		
Frame Rail / Crossmembers	60 months or 500,000 miles (804 672 km) AN/CXU/PI/CHU Models Only: 72 months or 750,000 miles (1 207 008 km)	36 months or 300,000 miles (482 803 km) GR/GU Model only: 60 months or 500,000 miles (804 672 km)	12 months or 100,000 miles (160 934 km)
Noise Emission	LIFE OF VEHICLE: Mack Trucks warrants to the first purchaser of this vehicle for purposes other than resale, and to each subsequent purchaser, that this vehicle was designed, built and equipped to conform, at the time of sale to such first purchaser, with all applicable U.S. EPA noise control regulations. This warranty is not limited to any vehicle particular part, component, or system of the vehicle. Defects in the design, assembly, or any part, component or system of the vehicle, which at the time of sale to such first purchaser, caused noise emission levels to exceed Federal standards, are covered by this warranty for the life of the vehicle. EXCLUSIONS: Failures which arise as a result of tampering rather than from defects in the design, assembly, or any part, components, or system of the vehicle are not covered by this warranty.		

* Covered for 30 Days: Fluorescent Lights or Ballast, Light Bulbs, Fuses, Wiper Blades, and All Filters (oil, fuel, air, etc.).
Covered for 90 Days: Loose Fasteners, Leaking Fittings, or Loose Hose Clamps.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

1. **REPAIR:** In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
2. **DAMAGES:** Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
3. **PROGRESSIVE DAMAGE:** Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
4. **APPLICATION:** The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
5. **ALTERATIONS:** Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
6. **NON-ORIGINAL EQUIPMENT:** Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
7. **MAINTENANCE AND PARTS CONSUMED:** Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
8. **PERFORMANCE COMPLAINTS:** Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
9. **WEAROUT:** Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
10. **NON-GENUINE PARTS:** Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
11. **ODOMETER READING:** Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
12. **ACCESS TO INFORMATION:** Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
13. **LABOR:** Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
14. **MISC. EXPENSE:** Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
15. **ADDITIONAL COMPONENTS:** Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
16. **TOWING:** Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
17. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
18. **CAB STRUCTURE AND CORROSION:** Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
19. **VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS:** Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
20. **OIL CONSUMPTION:** Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
21. **ENVIRONMENTAL DAMAGE:** Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
22. **ALIGNMENT:** Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
23. **GLASS:** Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
24. **TIRES:** Except as expressly provided in warranty certificates covering Green House Gas (GHG) components, tires are covered only under warranties provided by the tire manufacturer.
25. **CHANGES:** Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

MACK®

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Standard Warranty & Extended Protection Plan Coverage



NORMAL-DUTY COVERAGE COVERAGE AREA	TIME IN MONTHS						
	12	24	36	48	60	72	84
Engine (Mack Only)	Engine	250,000					
	Starter	250,000					
	Engine Towing	250,000					
	Aftertreatment System	250,000					
Driveline	Driveline	350,000					
	Front Non-Drive Steer Axle	350,000					
	Rear Axle	350,000					
Carrier	Carrier & Axle Housing (Mack Only)			500,000			
Transmission	m DRIVE™ Transmission			750,000			
	m DRIVE™ Clutch	300,000					
	m DRIVE™ HD Transmission			750,000			
	m DRIVE™ HD Clutch	300,000					
	T300 Transmission			750,000			
mDRIVE™ & T300 Transmission Towing	250,000						
Frame	Frame Rail/Crossmembers(AN/CXU/PI/CHU)			750,000			
	Frame Rail/Crossmembers			500,000			
Chassis	Standard Chassis Coverage	100,000					
	Chassis Tow (90 Days/5,000 Miles)						
	Air Conditioning (Sealed System Only)	Unlimited					
	Alternator	100,000					
	Suspension	100,000					
	Fan Drive	100,000					
	Radiator	100,000					
	Charge Air Cooler	100,000					

STANDARD WARRANTY (MILES)

AVAILABLE COVERAGE (MILES)

Please note that this guide is designed for reference purposes only. For actual covered components and applicable duration, please refer to the standard warranty certificates.

Standard Warranty & Extended Protection Plan Coverage



HEAVY-DUTY COVERAGE COVERAGE AREA	TIME IN MONTHS						
	12	24	36	48	60	72	84
Engine (Mack Only)	Engine	250,000					
	Starter	250,000					
	Engine Towing	250,000					
	Aftertreatment System	250,000					
Driveline	Driveline	350,000					
	Front Non-Drive Steer Axle	350,000					
	Rear Axle	350,000					
Carrier	Carrier & Axle Housing (Mack Only)	300,000					
Transmission	m DRIVE™ Transmission	250,000					
	m DRIVE™ Clutch	250,000					
	m DRIVE™ HD Transmission	Unlimited					
	m DRIVE™ HD Clutch	250,000					
	T300 Transmission	400,000					
mDRIVE™ & T300 Transmission Towing	250,000						
Frame	Frame Rail/Crossmembers	300,000					
	Frame Rail/Crossmembers(GR/GU)	500,000					
Chassis	Standard Chassis Coverage	100,000					
	Chassis Tow (90 Days/5,000 Miles)	Unlimited					
	Air Conditioning (Sealed System Only)	100,000					
	Alternator	100,000					
	Suspension	100,000					
	Fan Drive	100,000					
	Radiator	100,000					
Charge Air Cooler	100,000						
STANDARD WARRANTY (MILES)							AVAILABLE COVERAGE (MILES)

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Standard Warranty & Extended Protection Plan Coverage



SEVERE-DUTY COVERAGE COVERAGE AREA	TIME IN MONTHS						
	12	24	36	48	60	72	84
Engine (Mack Only)	Engine	250,000					
	Starter	250,000					
	Engine Towing	250,000					
	Aftertreatment System	250,000					
Driveline	Driveline	100,000					
	Front Non-Drive Steer Axle	100,000					
	Rear Axle	100,000					
Carrier	Carrier & Axle Housing (Mack Only)	100,000					
Transmission	m DRIVE™ Transmission	100,000					
	m DRIVE™ Clutch	100,000					
	m DRIVE™ HD Transmission	Unlimited					
	m DRIVE™ HD Clutch	250,000					
	T300 Transmission	100,000					
mDRIVE™ & T300 Transmission Towing	NOT AVAILABLE						
Frame	Frame Rail/Crossmembers	100,000					
Chassis	Standard Chassis Coverage	100,000					
	Chassis Tow	NOT AVAILABLE					
	Air Conditioning (Sealed System Only)	Unlimited					
	Alternator	100,000					
	Suspension	100,000					
	Fan Drive	100,000					
	Radiator	100,000					
Charge Air Cooler	100,000						

STANDARD WARRANTY (MILES)

AVAILABLE COVERAGE (MILES)

Please note that this guide is designed for reference purposes only. For actual covered components and applicable duration, please refer to the standard warranty certificates.