



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 19 - Highways

Proc Folder: 458505

Doc Description: ADDENDUM 2 41,000 GVWR TRUCK W/MOUNTED AERIAL PLATFORM

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-01	2018-08-09 13:30:00	CRFQ 0803 DOT1900000003	3

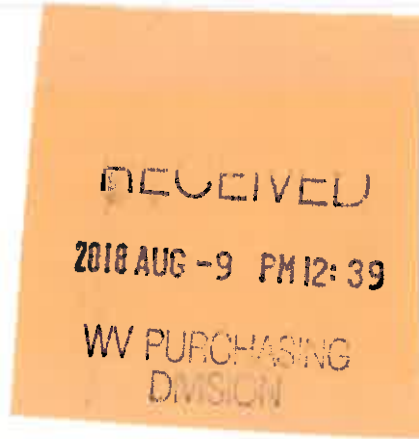
BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

West Virginia Tractor Company
 P.O. Box 473
 Charleston, WV 25322
 304-346-5301



FOR INFORMATION CONTACT THE BUYER

Crystal Rink
 (304) 558-2402
 crystal.g.rink@wv.gov

Signature X

Crystal Rink

FEIN #

550621655

DATE

8-8-18

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS TO ESTABLISH AN OPEN-END CONTRACT FOR 41,000 GVWR TRUCKS WITH MOUNTED AERIAL PLATFORM PER THE ATTACHED DOCUMENTS.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	COMPLETE UNIT 41,000 GVWR TRUCK W/MOUNTED AERIAL	5.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101911	Altec		LS63

Extended Description :

CLASS 930 41,000 GVWR TRUCK W/MOUNTED AERIAL PLATFORM

SCHEDULE OF EVENTS

Line	Event	Event Date
1	MANDATORY PRE-BID MEETING	2018-07-18
2	VENDOR QUESTION DEADLINE	2018-07-23

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DOT1900000003

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/>] Addendum No. 1 | <input type="checkbox"/>] Addendum No. 6 |
| <input checked="" type="checkbox"/>] Addendum No. 2 | <input type="checkbox"/>] Addendum No. 7 |
| <input type="checkbox"/>] Addendum No. 3 | <input type="checkbox"/>] Addendum No. 8 |
| <input type="checkbox"/>] Addendum No. 4 | <input type="checkbox"/>] Addendum No. 9 |
| <input type="checkbox"/>] Addendum No. 5 | <input type="checkbox"/>] Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

West Virginia Tractor Company

Company



Authorized Signature

8-8-2018

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 6/8/2012

REQUEST FOR QUOTATION

CRFQ DOT1900000003

(930 Class) 41,000 GVWR Truck W/Mounted Aerial Platform

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to RFQ unless a contract modification is approved in accordance with the provisions contained in this contract.

8.2 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

8.3 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Gary W. Grady
Telephone Number: 304-346-5301
Fax Number: 304-346-5305
Email Address: wvtractor@msn.com

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Gary W. Grady
(Name, Title)
Gary W. Grady, President
(Printed Name and Title)
P.O. Box 473 Charleston, WV 25322
(Address)
304-346-5301 304-346-5305
(Phone Number) / (Fax Number)
wvtractor@msn.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

West Virginia Tractor Company
(Company)
Gary W. Grady President
(Authorized Signature) (Representative Name, Title)
Gary W. Grady, President
(Printed Name and Title of Authorized Representative)
8-8-2018
(Date)
304-346-5301 304-346-5305
(Phone Number) (Fax Number)

State of West Virginia VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:
Bidder is an individual resident vendor and has resided continuously in West Virginia, or bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia, for four (4) years immediately preceding the date of this certification; or,
- Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; or,
- Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% vendor preference for the reason checked:
Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% vendor preference for the reason checked:
Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; or,

4. Application is made for 5% vendor preference for the reason checked:
Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:
Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:
Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

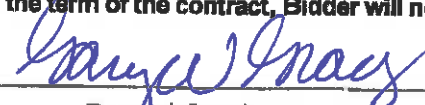
7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.
Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: West Virginia Tractor Company

Signed: 
Title: President

Date: 8-8-2018

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 8D-1-2)

Name of Contracting Business Entity: West Virginia Tractor Company Address: P.O. Box 473
Charleston, WV 25322

Name of Authorized Agent: Gary W. Grady Address: Charleston, WV

Contract Number: DOT19*3 Contract Description: Truck Mounted Aerial Platform

Governmental agency awarding contract: WVDOT-Highways

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.
Altec

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.
Gary and Christine Grady
Steve Basham
Susan Martin

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: *Gary W. Grady*

Date Signed: 8-8-2018

Notary Verification

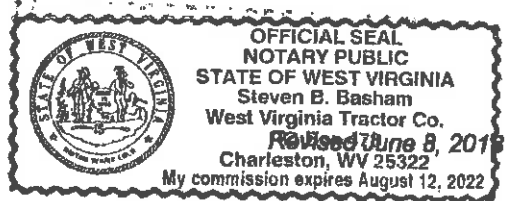
State of West Virginia, County of Kanawha

I, Gary W. Grady, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 8th day of August 2018

Steven B. Basham
Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(l), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: West Virginia Tractor Company

Authorized Signature: *[Signature]* Date: 8-8-2018

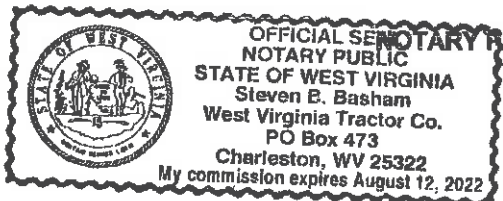
State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 8 day of August, 2018.

My Commission expires August 12, 2022.

AFFIX SEAL HERE



Steven B. Basham



CERTIFICATE OF GARAGE INSURANCE

DATE (MM/DD/YYYY)
04/03/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Tina White	CONTACT NAME: DO Customer Service
	PHONE (A/C, No, Ext): 800-447-0633 FAX (A/C, No): 888-533-7827
	EMAIL ADDRESS: businessproducts_ssdo@sentry.com
INSURER(S) AFFORDING COVERAGE	
INSURER A: Sentry Select Insurance Company	NAIC #: 21180
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
West Virginia Tractor Co.
PO Box 473
214 Virginia Street West
Charleston, WV 25322

COVERAGES **PROD / CUSTOMER ID:** **CERTIFICATE #:** 1159119 **REVISION #:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSRD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input type="checkbox"/> GARAGE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS USED IN GARAGE BUSINESS			A0053698001	04/01/2018	04/01/2019	AUTO ONLY (Ea accident)	\$ 500,000.00
							OTHER THAN AUTO ONLY	EA ACCIDENT \$ 500,000.00 AGGREGATE \$ 1,500,000.00
A	<input type="checkbox"/> GARAGE KEEPERS LIABILITY <input type="checkbox"/> LEGAL LIABILITY <input checked="" type="checkbox"/> DIRECT BASIS <input type="checkbox"/> PRIMARY <input type="checkbox"/> EXCESS			A0053698001	04/01/2018	04/01/2019	<input checked="" type="checkbox"/> COMP / OTC SPECIFIED PERILS LOC 1 \$ 250,000.00 <input checked="" type="checkbox"/> COLLISION LOC 1 \$ 250,000.00	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER			A0053698001	04/01/2018	04/01/2019	EACH OCCURRENCE \$ 500,000.00 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000.00 MED EXP (Any one person) \$ 5,000.00 PERSONAL & ADV INJURY \$ 500,000.00 GENERAL AGGREGATE \$ 1,500,000.00 PRODUCTS - COMP/OP AGG \$ 1,500,000.00	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			A0053698001	04/01/2018	04/01/2019	EACH OCCURRENCE \$ 2,000,000.00 AGGREGATE \$ 6,000,000.00	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) <input type="checkbox"/> If yes, describe under REMARKS below	N/A					<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$	

REMARKS (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Refer to attached

CERTIFICATE HOLDER

State of West Virginia
2019 Washington Street, E. P O
Box 50130
Charleston, WV 25305

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
John Hayland

ACORD 30 (2016/03)
A0053698
Sentry Select Insurance Company

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04/03/2018



AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

AGENCY		NAMED INSURED West Virginia Tractor Co.	
POLICY NUMBER A0053698005			
CARRIER Sentry Select Insurance Company	NAIC CODE 21180	EFFECTIVE DATE: 04/01/2018	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 Certificate of Garage Insurance
FORM NUMBER: ACORD 30 **FORM TITLE:** _____

First Supplemental Name applies to all policies- West Virginia Tractor Company
 Bid Certificate

Exhibit A

CRFQ DOT1900000003

Class 930 41,000 GVWR Truck w/Mounted Aerial Platform Pricing Page

Item No.	Description:	Make/Model & Year	Unit Price	Estimated Unit Quantity	Total Bid Amount
1	Complete Unit: 41,000 GVWR Truck W/Mounted Aerial Platform	Altec LS63 2019 International HV607 Newlons	\$262,458	5	\$1,312,290 \$0.00

*The estimated quantity represents the approximate volume of anticipated purchases only. No future use of the Contract is guaranteed or implied.

Vendor Information

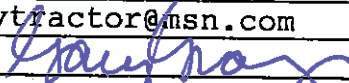
Company Name:	West Virginia Tractor Company
Contract Manager:	Gary W. Grady
Address:	P.O. Box 473 Charleston, WV 25322
Phone:	304-346-5301
Fax:	304-346-5305
Email:	wvtractor@msn.com
Signature:	

Exhibit A

CRFQ DOT1900000003

Class 930 41,000 GVWR Truck w/Mounted Aerial Platform Pricing Page

Item No.	Description:	Make/Model & Year	Unit Price	Estimated Unit Quantity	Total Bid Amount
1	Complete Unit: 41,000 GVWR Truck W/Mounted Aerial Platform	Altec LS63 2019 International HV607 Worldwide Equipment	\$264,644	5	\$1,323,220

*The estimated quantity represents the approximate volume of anticipated purchases only. No future use of the Contract is guaranteed or implied.

Vendor Information

Company Name:	West Virginia Tractor Company
Contract Manager:	Gary W. Grady
Address:	P.O. Box 473 Charleston, WV 25322
Phone:	304-346-5301
Fax:	304-346-5305
Email:	wvtractor@msm.com
Signature:	<i>Gary W. Grady</i>

Exhibit A

CRFQ DOT1900000003

Class 930 41,000 GVWR Truck w/Mounted Aerial Platform Pricing Page

Item No.	Description:	Make/Model & Year	Unit Price	Estimated Unit Quantity	Total Bid Amount
1	Complete Unit: 41,000 GVWR Truck W/Mounted Aerial Platform	Altec LS63 2019 Freightliner 114SD Matheny	\$267,489	5	\$1,337,445
					\$0.00

*The estimated quantity represents the approximate volume of anticipated purchases only. No future use of the Contract is guaranteed or implied.

Vendor Information	
Company Name:	West Virginia Tractor Company
Contract Manager:	Gary W. Grady
Address:	P.O. Box 473 Charleston, WV 25322
Phone:	304-346-5301
Fax:	304-346-5305
Email:	wvtractor@msn.com
Signature:	<i>Gary W. Grady</i>



August 8, 2018
Our 89th Year

Ship To:

WEST VIRGINIA TRACTOR COMPANY
214 VIRGINIA ST W
CHARLESTON, WV 25302
US

Bill To:

WEST VIRGINIA TRACTOR COMPANY
PO BOX 473
CHARLESTON, WV 25322
United States

Attn:
Phone: 304-346-5301
Email:

Altec Quotation Number: 444489 - 2
Account Manager: Keaton E Gleason
Technical Sales Rep: Joey Moore

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	<u>Unit</u>		
1.	Altec Model LS63 Telescopic Aerial Device with a three stage, hydraulically sequenced, non-insulated, steel telescopic boom and a electric over hydraulic proportional joystick upper control. Built in accordance to ALTEC's standard specifications and to include the following features:	1	
	A. Ground to Bottom of Platform Height: 58.8 ft at 10.9 ft from centerline of rotation (17.9 m at 3.3 m)		
	B. Working Height: 63.8 ft (19.4 m)		
	C. Maximum reach to edge of platform: 54.7 ft at 8.7 ft platform height (16.7 m at 2.7 m)		
	D. Rotation: Continuous		
	E. Upper Boom Articulation: +80 degrees.		
	F. Lower Boom Articulation: -20 degrees.		
	G. Upper Controls: The upper control system includes a electric over hydraulic proportional joystick.		
	H. Lower Controls: A lower control station is located on the turntable. A selector valve is provided to override the upper controls.		
	I. Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays.		
	J. Unit meets or exceeds latest revision of ANSI 92.2 standards.		
2.	Steel platform 60 x 40 inches (1524 x 1016 mm) allows for 600 lbs (272 kg) of platform capacity and 90 degrees of platform rotation. End hung, hydraulically leveled platform allows for +/- 45 degrees of rotation. Leveling controls provided in the platform and at the ground controls provide precise leveling capability. Platform contains a receiver tube for mounting the hydraulic jib winch mast or a working light. Utility tray for use at the platform shipped loose. Platform removal requires zero tools and utilizes two primary detent pins and a secondary safety latch.	1	

We Wish To Thank You For Giving Us The Pleasure
And Opportunity of Serving You

UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
3.	Single Handle Controls - multi-axis joystick for proportional movement.	1	
4.	No platform mounted material handling capability.	1	
5.	Aluminum Jib - Platform mounted with 500 lb (227kg) capacity and three (3) manual pinning positions. Uses 100 ft (30.5m) 3/16 in (4.76 mm) wire rope	1	
6.	Planetary winch - installed on the base boom (includes cable guides). Winch line can be two-parted at 2,950 (1339 kg) to achieve a total pick of 5,900 lbs (2679 kg).	1	
7.	Winch line tensioner. allows the operator to maintain constant tension on the winch line.	1	
8.	Rear Outriggers, Primary, Out And Down, Over Frame, 14.8 ft (4.5m), 177 in (4496mm) Spread, 17.5 in (444mm) ground clearance, with 5.5 in (140mm) ground penetration, Flat Shoe	1	
9.	Front Outriggers, Auxiliary, Out And Down, Over Frame, 14.8 ft (4.5m), 177 in (4496mm) spread, 17.5 in (444mm) ground clearance, with 5.5 in (140mm) ground penetration, Flat Shoe	1	
10.	Rotational interlock system allows for short jacking of outriggers by automatically restricting the boom's rotational envelope. Requires out and down auxiliary outriggers.	1	
11.	Subbase With Integrated Flatbed, Aluminum Deck To be 17' long x 96" W - To include rub rails and four (4) ratchet strap tie downs on sliders on curb side under bed. - To be undercoated and raptorlined	1	
12.	120 volt AC power at platform, 20 amp GFCI with weather-resistant cover.	1	
13.	Custom Tool Circuit Tool circuit at platform for Type I and II tools - Follow customer provided hydraulic specs	1	
14.	Manual Hydraulic Outrigger Controls	1	
15.	Wet paint process - Altec White.	1	
<u>Unit & Hydraulic Acc.</u>			
16.	Hydraulic Reservoir, 30 Gallon	1	
17.	Standard Pump For PTO	1	
18.	Standard Altec PTO/Machine Functionality: PTO won't engage until parking brake is set. -Once parking (holding) brake is set, PTO and machine functions are enabled. -If parking (holding) brake is disengaged, both PTO and machine functions are disabled.	1	

We Wish To Thank You For Giving Us The Pleasure
And Opportunity of Serving You

UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
19.	Additional Unit/Hydraulic Accessory Install radio remotes	1	
<u>Body and Chassis Accessories</u>			
20.	Cantilevered catwalk over the chassis cab on the streetside with gripstrut walking surface for platform access.	1	
21.	ICC (Underride Protection) bumper with integral fixed Grip Strut steps on curbside and streetside To be raptorlined black	1	
22.	Custom Towing Device Install Class-V Reese style hitch mounted at rear	1	
23.	Compartment Top Access Step from Body Floor To be raptorlined black	1	
24.	Platform Access Step From Top of Body Compartment To be raptorlined black	1	
25.	Outrigger Pad Holder, 20" L x 20" W x 5" H, Fits 19.5" x 19.5" x 4" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4	
26.	Pendulum Retainers For Outrigger Pad Holders	4	
27.	Wheel Chocks, Rubber, 9.75" L x 7.75" W x 5.00" H, with 4" L Metal Hairpin Style Handle (Pair)	1	
28.	Wheel Chock Holders (Pair), For Installation Under Flatbed Or Dump Body	1	
29.	Removable grab handle, installed in stake pocket with pin. To be raptorlined white	4	
30.	Wooden Outrigger Pad, 19 x19 x 2.25, with Rope Handle	4	
31.	Horizontal Storage Box Mounted Underbody, One Drop Down Door, Chain Door Holders, Keyed Latch Stainless steel, 42" x 24" x 24" underslung with rotary paddle latch - Two (2) mounted each side of flatted	4	
32.	Safety Harness And 4.5' Lanyard (Fits Medium To Xlarge) Includes Pouch and Placards	2	
33.	5 LB Fire Extinguisher With Light Duty Bracket, Installed (In Cab or Inside Compartment Only) Installed in cab	1	
34.	Triangular Reflector Kit, Shipped Loose	1	
35.	Inclinometer, 3.50 L x 1.50 H, Black with White Text, 10 Degree	4	

Electrical Accessories

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UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
36.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1	
37.	Custom Strobe Light Install six (6) Whelen 500 Oval LED strobe lights - Two (2) installed at rear of truck - Two (2) installed on sides, one (1) each side - Two (2) on front of truck - To be 1-5/8"H x 5"W	1	
38.	Work Light, LED, Long Range, With Aluminum Housing, 4.53" W x 4.53" H x 4.33" D Location to be determined at pre-build meeting	4	
39.	Dual Tone Back-Up With Outrigger Motion Alarm	1	
40.	PTO Hour Meter, Digital, with 10,000 Hour Display	1	
41.	7-Way Trailer Receptacle (Pin Type) Installed At Rear Installed at rear	1	
42.	120 Volt GFCI Receptacle Includes Weather-resistant Enclosure Install one (1) on curb side and street side rear	2	
43.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1	
44.	Miller Bobcat 250 Welder - fuel injected with electric start. Includes Welding Cables, 120 volt GFCI receptacle on curbside, 120 volt wiring to slip ring, and remote start/stop at platform and lower controls. Rotation jumper cables and weld leads shipped loose. Include cable reels with weatherproof cover	1	
45.	Additional Electrical Accessory Install one (1) team wireless system to include 3-apex 3-series wireless headsets with com-hub and 2-way radio - Sonetics Model # SONPWS-DECT7	1	

Finishing Details

46.	Wet paint unit Altec White.	1	
47.	Finish Paint Body Accessories Above Body Floor Altec White	1	
48.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc. Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1	
49.	Custom Undercoating Undercoat entire flatbed	1	

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And Opportunity of Serving You

UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
50.	Apply Non-Skid Coating to all walking surfaces	1	
51.	Extra set of manuals.	14	
52.	English Safety And Instructional Decals	1	
53.	Vehicle Height Placard - Installed In Cab	1	
54.	Dielectric test unit according to ANSI requirements.	1	
55.	Stability test unit according to ANSI requirements.	1	
56.	Focus Factory Build	1	
57.	Assembly at Altec in Duluth, MN.	1	
58.	Delivery Of Completed Unit	1	
59.	Installation - LS63	1	

Additional Pricing

60.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1	
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Miscellaneous

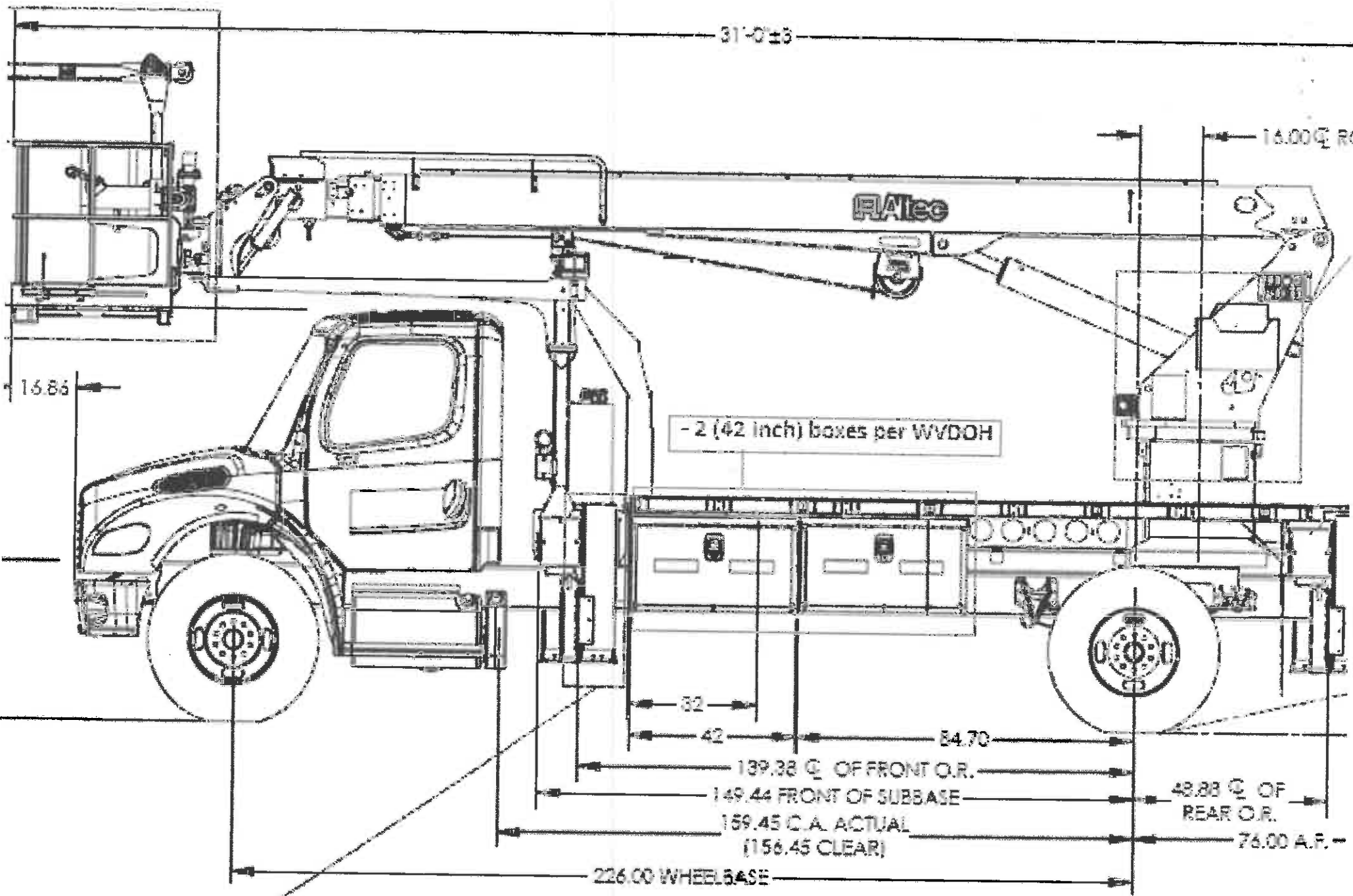
61.	Extended warranty for aerial platform hydraulic system HiLine Order	1	
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LS63

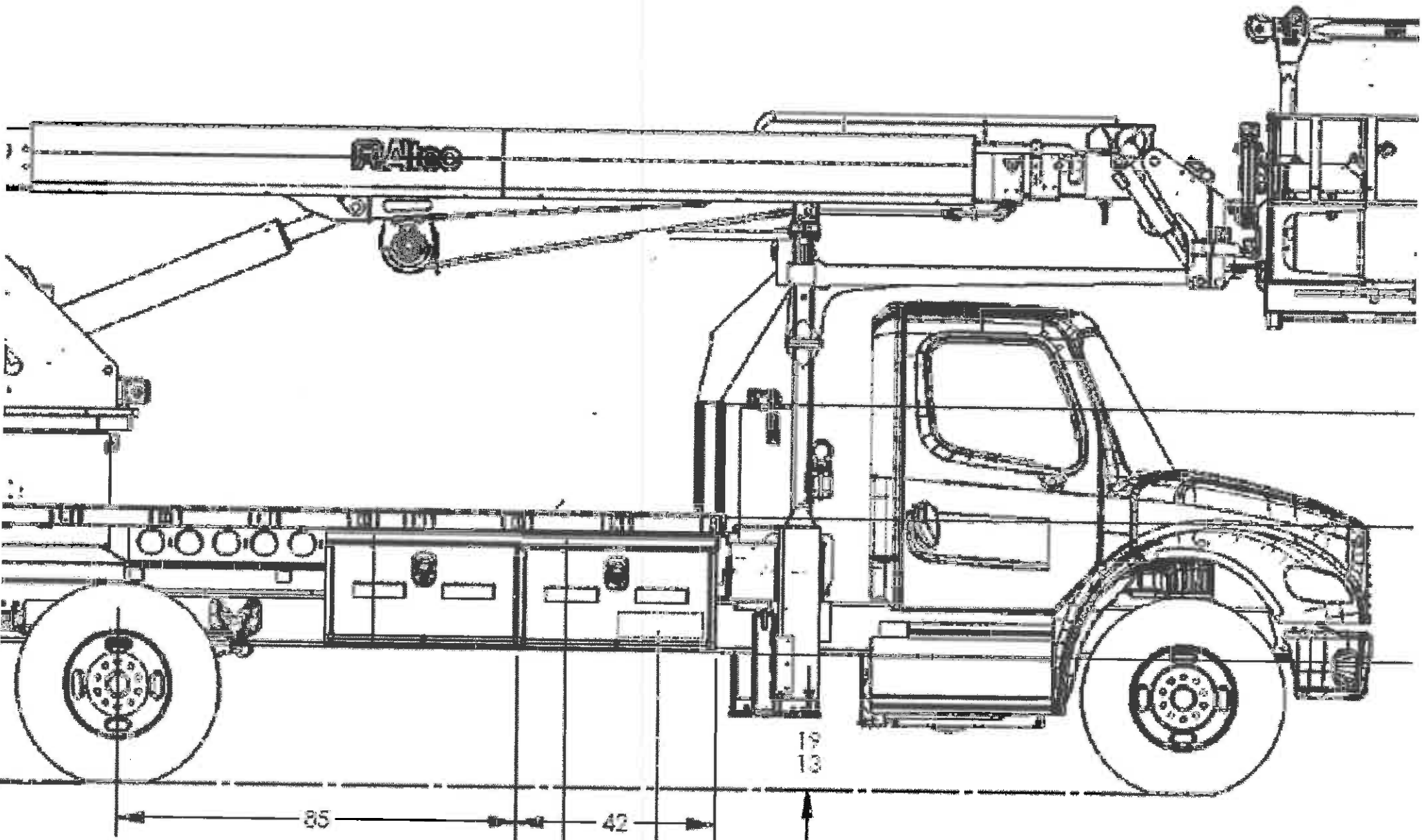


FOR NEW EQUIPMENT SALES CALL
800.958.2555
TO SPEAK WITH AN ALTEC REPRESENTATIVE
altec.com

 **Altec.**
TELESCOPIC
AERIAL DEVICE



front outriggers in out and down configuration with short jacking



170 PL 47000

- Inverter location - this will provide power on the ground as well as feed power

2. Establish consistent guidelines for the administration of Altec warranty.

2 Altec Warranty Statements

2.1 Altec Limited Warranty Statement (Aerial & Derrick)

STRUCTURAL

Aerials and derricks designed and manufactured by Altec Industries, Inc., are warranted to be free from defects in material and workmanship at the time of initial delivery. This does not apply if the product has been modified or altered in any way by anyone other than an approved Altec representative.

For so long as the initial purchaser owns the product, Altec will, at its option, repair or replace any of the following major components found by Altec to be structurally impaired due to defects in material or workmanship which existed at the time of initial delivery: booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, sub bases, turntables, and reel lifting arms. No charge for parts or labor shall be made for such repair or replacement when performed at an Altec service facility. This warranty does NOT cover wear components.

COMPONENTS

For 1 year following initial delivery of the product, Altec will, at its option, repair or replace any part found by Altec to be defective in material or workmanship at the time of initial delivery. During the first 90 days following initial delivery, no charge for parts, labor or travel to the customer's location shall be made for such repair or replacement at the customer's location. During the remainder of such 1 year, no charge for parts or labor shall be made for such repair or replacement at an Altec service facility.

ELIGIBILITY

- Warranty period begins at the time of initial delivery from Altec.
- All products must be properly installed, maintained, and serviced during the duration of the warranty coverage.
- This warranty is not transferable beyond the original owner.

EXCLUSIONS

This warranty does not cover:

- (a) products which have not been operated and maintained in accordance with Altec operators and maintenance manuals, programs, and bulletins;
- (b) products which have not been mounted in accordance with Altec installation procedures;
- (c) products not manufactured by Altec which are supplied by Altec on special order;
- (d) products which are repaired without using original Altec parts; or
- (e) transportation or delivery to an Altec service facility or the customer's location.
- (f) replacement of rental charges, misuse, abuse, accidents, alteration or use in any way not recommended by Altec.

Any and all accessory items that are added to the body but not manufactured by Altec, such as inverters, compressors, liftgates, generators, corner mount cranes, etc., will be covered, if at all, by the accessory products manufacturer's warranty in effect at the time of delivery and will not be covered by any warranty extended by Altec. This limited warranty is expressly in lieu of any other warranties, express or implied, including, but not limited to, any warranty of merchantability or fitness for a particular purpose. Except as specified above, no associate, agent or representative of Altec is authorized to extend any warranty on Altec's behalf. Remedies under this limited warranty are expressly limited to the provision and installation of parts and labor, as specified above, and any claims for other loss or damages of any type (including, but not limited to, loss from failure of the product to operate for any period of time, other economic or moral loss, or direct, immediate, special, indirect, incidental or consequential damage) are expressly excluded.

11/2013

Link to official PDF of above doc:

<http://arc.altec.com/service/Sdocs/ServWorkDocs/REF0064S-074901006Aer-Derr.pdf>

Description

Base Chassis, Model HV607 SBA with 230.00 Wheelbase, 162.90 CA, and 100.00 Axle to Frame.

AXLE CONFIGURATION {Navistar} 4x2

Notes

: Pricing may change if axle configuration is changed.

ENGINE, DIESEL {Cummins L9 370} EPA 2017, 370HP @ 2000 RPM, 1250 lb-ft Torque @ 1400 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)

RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core with Internal Water to Oil Transmission Cooler and 1167 In Charge Air Cooler

FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed with Residual Torque Device for Disengaged Fan Speed

AIR CLEANER Single Element

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines

EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; with Ignition Switch Control for Cummins ISB/B6.7 or ISL/L9 Engines

FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2018

THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction

PTO LOCATION Dual, Left and Right Side of Transmission

SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming

TRANSMISSION COOLER HOSES Stainless Steel

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

TRANSMISSION SHIFT CONTROL for Column Mounted Stalk Shifter

CLUTCH Omit Item (Clutch & Control)

AXLE, REAR, SINGLE {Dana Spicer S23-172D} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, R Wheel Ends . Gear Ratio: 4.78

SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity

AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 18,000-lb Capacity; with Shock Absorbers

CAB Conventional

ACCESS, CAB Driver & Passenger Sides, Two Bright Aluminum Steps Per Door, for Use with Regular & Extended Cabs

AIR CONDITIONER with Integral Heater & Defroster

ARM REST, LEFT, PASSENGER SEAT

ARM REST, RIGHT, DRIVER SEAT

CAB INTERIOR TRIM Classic, for Day Cab

Description**Includes**

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted

: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

CAB REAR SUSPENSION Air Bag Type

GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel Mounted in Instrument Panel

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

GAUGE, VOLTMETER Auxiliary Gauge, Located in Center Panel. Standard Cluster Also Includes Digital Voltage Readout

HOURLMETER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch

INSTRUMENT PANEL Flat Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

MIRROR, CONVEX, LOOK DOWN Right Side, Black, 6" x 10 1/4"

MIRRORS (2) Power Adjust, Thermostatically Controlled Heated Heads, Black Heads, Brackets and Arms, 7.55" x 14.1" Flat Glass, 7.48" x 6.77" Convex Glass Both Sides

SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Cloth, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust

SEAT, PASSENGER {National} Air-Suspension, High Back with Integral Headrest, Cloth, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

WINDSHIELD Heated, Single Piece

WINDSHIELD WIPER BLADES Snow Type

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL

BUMPER, FRONT Steel, Swept Back; Painted 0001 Canyon Black

CROSSMEMBER, REAR, AF (1)

TOW HOOK, FRONT (2) Frame Mounted

WHEELBASE RANGE 189" (480cm) Through and Including 256" (650cm)

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

AIR DRYER {Bendix AD-9} with Heater

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

AIR TANK Painted Aluminum, with Straight Thread O-Ring Ports

AIR TANK LOCATION (2) : One Mounted Under Each Frame Rail, Front of Rear Suspension, Parallel to Rail

Description

BRAKE ATTACHMENT Stainless Steel Slack Adjuster Pins/Cotter Pins on Front and Rear

BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

DRAIN VALVE (3) Petcocks, for Air Tanks

SLACK ADJUSTERS, FRONT {Haldex} Automatic

SLACK ADJUSTERS, REAR {Haldex} Automatic

STEERING GEAR (2) {Sheppard M100/M80} Dual Power

STEERING COLUMN Stationary

STEERING WHEEL 4-Spoke; 18" Dia., Black

EXHAUST SYSTEM Single Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

AFTERTREATMENT COVER Steel, Black

ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 Engines; with Selector Switch and On/Off Switch

EXHAUST HEIGHT 8' 10"

MUFFLER/TAIL PIPE GUARD (1) Non-Bright Aluminum

TAIL PIPE (1) Turnback Type, Non-Bright, for Single Exhaust

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, with Remote Sense

BATTERY BOX Steel with Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (2) 12-Volt 1900CCA Total

BODY BUILDER WIRING Back of Standard or Sleeper Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

CB RADIO Accommodation Package; Header Mounted; Feeds From Accessory Side of Ignition Switch; Includes Power Source and One (1) Antenna, Antenna Base with Wiring on Left Side Mirror

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Separate Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake accommodation package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

FOG LIGHTS (2) Clear Lens, Halogen, Rectangular, with White Light Source

HORN, AIR (2) Single Tone, Chrome, Roof Mounted, with Lanyard Pull Cord

HORN, ELECTRIC Disc Style

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/3.5MM Auxilliary Input, MP3, Apple Device Play & Control, Bluetooth for Phone & Music

RUNNING LIGHT (2) Daytime

Description

SNOW SHIELD (2) Chrome; for Dual Air Horns

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

FRONT END Tilting, Fiberglass, with Three Piece Construction; for WorkStar/HV

BUG SCREEN Mounted Behind Grille

FENDER EXTENSIONS Rubber

GRILLE Stationary, Chrome

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "WL"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

SAFETY TRIANGLES

PAINT CLASS Premium Color

FUEL TANK Top Draw, Non-Polished Aluminum, 26" Dia, 80 US Gal (303L), Mounted Left Side, Under Cab

DEF TANK 9.5 U.S. Gal. 35.9L Capacity, Frame Mounted Outside Left Rail, Under Cab

FUEL TANK STRAPS Bright Finish Stainless Steel

FUEL/WATER SEPARATOR Davco Fuel/Water Separator w/ 120V Overnight Heater & 12V DC Pre-Heater (Wired to Block Heater Plug)

LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail, 15" Back of Cab

WHEELS, FRONT {Accuride 41730} DISC; 22.5x9.00 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(2) TIRE, FRONT 315/80R22.5 Load Range L CITY SERVICE HA3 (CONTINENTAL), 480 rev/mile, 68 MPH, All-Position

WHEELS, REAR DUAL DISC; 22.5x8.25 Rims, Non-Polished Aluminum, 10-Stud 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(4) TIRE, REAR 11R22.5 Load Range G DH37 (HANKOOK), 498 rev/mile, 75 MPH, Drive

COATING IDENTITY, FRONT WHEELS {Accuride Accu-shield} Disc Front Wheels; Aluminum, with Vendor Applied Clear Coat Not for Wide Base

COATING IDENTITY, REAR WHEELS {Accuride Accu-shield} Aluminum Disc Rear Wheels, with Vendor Applied Clear Coat; Not for Super Single Wide Base

WHEEL GUARDS, FRONT {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel

BDY INTG, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, with Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions

Services Section:

WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

Description

SRV CONTRACT, EXT COOLING SYS {Navistar} To 24-Month/150,000 Miles (240,000 km)

SRV CONTRACT, EXT CMS ENG/AFTR {Cummins} To 60-Month/150,000 Miles (240,000 km), Extended Cummins L9 Engine Coverage, Protection Plan 1 and Aftertreatment

Prepared For:

West Virginia Tractor Company
 Gary Grady
 P.O. Box 473
 Charleston, WV 25322-
 (304)346 - 5301
 Reference ID: N/A

Presented By:

WORLDWIDE EQ-HERITAGE
 Gary Dennis
 1 JAIN DRIVE
 CROSS LANES WV 25313
 304-776-5600

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2020 HV607 SBA (HV607)

AXLE CONFIG: 4X2
APPLICATION: Mobile Aerial Crane
MISSION: Requested GVWR: 52000. Calc. GVWR: 41000
 Calc. Start / Grade Ability: 17.93% / 2.75% @ 55 MPH
 Calc. Geared Speed: 78.6 MPH
DIMENSION: Wheelbase: 228.00, CA: 160.90, Axle to Frame: 75.00
ENGINE, DIESEL: {Cummins L9 370} EPA 2017, 370HP @ 2000 RPM, 1250 lb-ft Torque @ 1400 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)
TRANSMISSION, AUTOMATIC: {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH: Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING: {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
AXLE, REAR, SINGLE: {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends Gear Ratio: 4.30
CAB: Conventional
TIRE, FRONT: (2) 315/80R22.5 Load Range L G289 WHA (GOODYEAR), 484 rev/mile, 68 MPH, All-Position
TIRE, REAR: (4) 11R22.5 Load Range G G622 RSD (GOODYEAR), 497 rev/mile, 75 MPH, Drive
SUSPENSION, RR, SPRING, SINGLE: Vari-Rate; 23,500-lb Capacity, with 4500 lb Auxiliary Rubber Spring
FRAME REINFORCEMENT: Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
PAINT: Cab schematic 100WL
 Location 1: 4421, School Bus Yellow (Std)
 Chassis schematic N/A

Description

Base Chassis, Model HV607 SBA with 228.00 Wheelbase, 160.90 CA, and 75.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

AXLE CONFIGURATION {Navistar} 4x2

Notes

: Pricing may change if axle configuration is changed.

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL

FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper

BUMPER, FRONT Steel, Swept Back

BUMPER EXTENSION, FRONT 4.0"

WHEELBASE RANGE 189" (480cm) Through and Including 256" (650cm)

AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf, 18,000-lb Capacity; with Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers

DRAIN VALVE {Berg} with Pull Chain, for Air Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

AIR DRYER {Bendix AD-9} with Heater

BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

SLACK ADJUSTERS, FRONT {Haldex} Automatic

SLACK ADJUSTERS, REAR {Haldex} Automatic

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake

AIR COMPRESSOR {Cummins} 18.7 CFM Capacity

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail

DUST SHIELDS, FRONT BRAKE for Air Brakes

DUST SHIELDS, REAR BRAKE for Air Brakes

STEERING COLUMN Stationary

STEERING WHEEL 4-Spoke; 18" Dia., Black

STEERING GEAR (2) {Sheppard M100/M80} Dual Power

AFTERTREATMENT COVER Steel, Black

EXHAUST SYSTEM Single Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab; for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

Description

ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 Engines; with Selector Switch and On/Off Switch

RAIN CAP with Single Exhaust, Non-Bright Finish

EXHAUST HEIGHT 10'

MUFFLER/TAIL PIPE GUARD (1) Non-Bright Aluminum

TAIL PIPE (1) Straight Type, Non-Bright, for Single Exhaust

SWITCH, FOR EXHAUST 3 Position, Momentary, Lighted Momentary, ON/CANCEL, Center Stable, INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

HORN, ELECTRIC (2) Disc Style

SNOW SHIELD (2) Chrome; for Dual Air Horns

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, with Remote Sense

BODY BUILDER WIRING Back of Standard or Sleeper Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

HORN, AIR (2) Single Tone, Chrome, Roof Mounted, with Lanyard Pull Cord

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 2850CCA Total

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/3.5MM Auxiliary Input, MP3, Apple Device Play & Control, Bluetooth for Phone & Music

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

CB RADIO Accommodation Package; Header Mounted; Feeds From Accessory Side of Ignition Switch; Includes Power Source and One (1) Antenna, Antenna Base with Wiring on Left Side Mirror

BACK-UP ALARM Electric, 102 dBA

BATTERY BOX Steel with Plastic Cover, 18" Wide, 2, 3, or 4 Battery Capacity, Mounted Right Side Back of Cab

HEADLIGHTS Long Life Halogen; for Two Light System

RUNNING LIGHT (2) Daytime

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

SWITCH, BODY CIRCUITS, MID for Bodybuilder, with 6 Switches in Instrument Panel; One Power Module with 6 Channel, 20 Amp Max. Per Channel and 80 Amp Max Output, Switches Control the Power Module Through Multiplex Wiring, Mounted Battery Box Back of Cab

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

FOG LIGHTS (2) Clear Lens, Halogen, Rectangular, with White Light Source

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

INSULATION, UNDER HOOD for Sound Abatement

Description

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

FRONT END Tilting, Fiberglass, with Three Piece Construction; for WorkStar/HV

GRILLE EMBER SCREEN Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "WL"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

LABEL, DEF "DEF ONLY"

SAFETY TRIANGLES

CLUTCH Omit Item (Clutch & Control)

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines

ENGINE, DIESEL {Cummins L9 370} EPA 2017, 370HP @ 2000 RPM, 1250 lb-ft Torque @ 1400 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)

FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed with Residual Torque Device for Disengaged Fan Speed

RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core and 1167 SqIn Charge Air Cooler

AIR CLEANER Dual Element

FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2018

THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Mobile, Variable Speed; (Range 2 to 20 MPH) Mounted on Steering Wheel

FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)

HOSE CLAMPS, RADIATOR HOSES {R.G. Ray Mini Flex Seal} Coil Spring/"T"-Bolt Type, for Radiator Hoses over 1" I.D.

EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; with Ignition Switch Control for Cummins ISB/B6.7 or ISL/L9 Engines

TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway

OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil Type

TRANSMISSION SHIFT CONTROL for Column Mounted Stalk Shifter

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction

SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming

PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring

PTO LOCATION Dual, Left and Right Side of Transmission

AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends . Gear Ratio: 4.30

SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, with 4500 lb Auxiliary Rubber Spring

Description

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 30 thru 39.99 Pints

DEF TANK 9.5 U.S. Gal. 35.9L Capacity, Frame Mounted Outside Left Rail, Under Cab

LOCATION FUEL/WATER SEPARATOR Mounted Outside Left Rail, 66" Back of Cab

FUEL/WATER SEPARATOR {Davco 245} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor

FUEL TANK Top Draw, Non-Polished Aluminum, 26" Dia, 80 US Gal (303L), Mounted Left Side, Under Cab

CAB Conventional

AIR CONDITIONER with Integral Heater & Defroster

GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display

GRAB HANDLE, CAB INTERIOR (2) Safety Yellow

GAUGE, TEMPERATURE, AMBIENT Sensor Wiring with Display Unit Mounted in Cluster

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

GAUGE, AIR APPLICATION

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

SEAT, PASSENGER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust

GRAB HANDLE Chrome; Towel Bar Type with Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar

MIRRORS (2) Thermostatically Controlled Heated Heads, Black Heads, Brackets and Arms, 7.55" x 14.1" Flat Glass, 7.48" x 6.77" Convex Glass Both Sides

MIRROR, CONVEX, LOOK DOWN Right Side, Black, 6" x 10 1/4"

CONSOLE, CENTER Polypropylene, with One Coin Holder, One Cup Holder and One Thermos Holder, with Laptop PC or Clipboard Storage, Includes small Storage Area

SEAT BELT All Orange; 1 to 3

CAB INTERIOR TRIM Classic, for Day Cab

Includes

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted

: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

WINDSHIELD Heated, Single Piece

SEAT BELT COMFORT CLIP

ARM REST, RIGHT, DRIVER SEAT

ARM REST, LEFT, PASSENGER SEAT

CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

Description

HOURMETER, PTO for Customer Provided PTO; with Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch

CAB REAR SUSPENSION Air Bag Type

INSTRUMENT PANEL Flat Panel

WINDSHIELD WIPER BLADES Snow Type

WINDSHIELD WASHER RESERVOIR Mounted Under Cab with Remote Fill Mounted Behind Cab Drivers Side

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps Per Door, for use with Regular and Extended Cabs

WHEELS, FRONT {Accuride 41730} DISC; 22.5x9.00 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

WHEELS, REAR DUAL DISC; 22.5x8.25 Rims, Polished Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

WHEEL GUARDS, FRONT {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel

WHEEL BEARING, FRONT, LUBE {EmGard FE-75W-90} Synthetic Oil

(4) TIRE, REAR 11R22.5 Load Range G G622 RSD (GOODYEAR), 497 rev/mile, 75 MPH, Drive

(2) TIRE, FRONT 315/80R22.5 Load Range L G289 WHA (GOODYEAR), 484 rev/mile, 68 MPH, All-Position

Services Section:

WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A

SRV CONTRACT, EXT MAJOR COMP {Navistar Prepackaged Components} To 60-Month/150,000 Miles (240,000 km), Includes Front Axle, Rear Axle, Propshaft, and Transfer Case

SRV CONTRACT, EXT COOLING SYS {Navistar} To 60-Month/150,000 Miles (240,000 km)

SRV CONTRACT, EXT VEH COVERAGE {Navistar} To 60-Month/150,000 Miles (240,000 km), Excludes Extended Warranty for Engine and Transmission

SRV CONTRACT, EXT CMS ENG/AFTR {Cummins} To 60-Month/150,000 Miles (240,000 km), Extended Cummins L9 Engine Coverage, Protection Plan 1 and Aftertreatment

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 Mineral Wells, WV 26150
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S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-18D	SD PRL-18D (EFF:04/17/18)		
Data Version			
DRL-015	SPECPRO21 DATA RELEASE VER 015		
Vehicle Configuration			
001-177	114SD CONVENTIONAL CHASSIS	7,934	6,576
004-220	2020 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK	480	-480
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-011	CONSTRUCTION SERVICE		
A84-1CO	CONSTRUCTION BUSINESS SEGMENT		
AA4-003	DRY BULK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 41000.0 lbs		
Truck Service			
AA3-005	FLATBED/PLATFORM/STAKE BODY		



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Data Code	Description	Weight Front	Weight Rear
A88-99D	EXPECTED TRUCK BODY LENGTH : 0.0 ft		
AF3-2CD	WEST VIRGINIA TRACTOR		
Engine			
101-22V	CUM L9 370 HP @ 2000 RPM, 2100 GOV RPM, 1250 LB/FT @ 1400 RPM	-850	-70
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-002	PTO MODE ENGINE RPM LIMIT - 700 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-002	PTO RPM WITH CRUISE RESUME SWITCH - 700 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-1B5	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
* 292-208	(2) DTNA GENUINE, FLOODED STARTING, MIN 2250CCA, 390RC, THREADED STUD BATTERIES		
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
87P-001	CAB AUXILIARY POWER CABLE	5	



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Data Code	Description	Weight Front	Weight Rear
107-043	CUMMINS 30.4 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-032	C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-038	11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD(S)		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
266-017	1300 SQUARE INCH ALUMINUM RADIATOR	-20	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD	6	
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	



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Data Code	Description	Weight Front	Weight Rear
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	-10	
Transmission			
342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION		
Transmission Equipment			
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-002	ALLISON VOCATIONAL RATING FOR CONCRETE MIXER APPLICATIONS ONLY AVAILABLE WITH 3000 PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-000	LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE		
84N-000	NEUTRAL AT STOP - DISABLED, FUELSNSE - DISABLED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
84V-001	DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS		



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Data Code	Description	Weight Front	Weight Rear
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	-15	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-031	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
406-001	STANDARD KING PIN BUSHINGS		
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER		
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE		

Front Suspension

620-005	18,000# FLAT LEAF FRONT SUSPENSION	290	
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Data Code	Description	Weight Front	Weight Rear
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-051	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		-2,270
421-489	4.89 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-076	MXL 17N MERITOR EXTENDED LUBE MAIN DRIVELINE WITH FULL ROUND YOKES	40	40
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-006	REAR OIL SEALS		
426-1B2	BENDIX EVERSURE LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20
428-031	HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
Rear Suspension			
622-001	23,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD		50
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
623-005	FORE/AFT CONTROL RODS		
Brake System			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		



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Data Code	Description	Weight Front	Weight Rear
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
479-015	AIR DRYER FRAME MOUNTED		
460-007	ALUMINUM AIR BRAKE RESERVOIRS	-15	-15
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
Trailer Connections			
296-029	PRIMARY RECEPTACLE CENTER PIN WIRED TO BACKUP LIGHT CIRCUIT WITH STOP SIGNAL PREWIRE PACKAGE		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME	5	5
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
Wheelbase & Frame			
545-640	6400MM (252 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	700	120
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 186.45 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 183.45 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 345.11		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 186.45 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 131.7 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 175.83 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		



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Data Code	Description	Weight Front	Weight Rear
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
556-1E5	14 INCH PAINTED STEEL BUMPER	20	
558-033	REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME	25	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
Fuel Tanks			
204-154	80 GALLON/302 LITER ALUMINUM FUEL TANK - LH	10	
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-007	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H8	DAVCO 245 FUEL/WATER SEPARATOR WITH 12 VOLT HEAT AND WATER IN FUEL SENSOR	20	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
11F-998	NO NATURAL GAS VEHICLE FUEL TANK VENT LINE/STACK		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-1UY	MICHELIN X MULTI D 11R22.5 16 PLY RADIAL REAR TIRES (NORTH AMERICAN ONLY)		60
Hubs			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	



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Data Code	Description	Weight Front	Weight Rear
505-1EF	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-100
* 524-020	UNPOLISHED FRONT WHEELS WITH DURA-BRIGHT FINISH		
* 525-021	UNPOLISHED REAR WHEELS WITH ALL DURA-BRIGHT FINISH		
498-011	NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
Cab Exterior			
829-1A2	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTING		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-004	FRONT FENDERS SET-BACK AXLE		
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	
678-001	LH AND RH GRAB HANDLES		
646-041	STATIONARY BLACK GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
690-017	HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED		
726-001	SINGLE ELECTRIC HORN		
728-001	SINGLE HORN SHIELD		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS		
302-047	LED AERODYNAMIC MARKER LIGHTS		
315-062	RECTANGULAR CLEAR FOG LIGHTS MOUNTED UNDER BUMPER	6	
311-012	DAYTIME RUNNING LIGHTS - LOW BEAM ONLY		
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		



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Data Code	Description	Weight Front	Weight Rear
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
768-043	63X14 INCH TINTED REAR WINDOW		
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
663-029	1-PIECE TINTED CURVED BONDED WINDSHIELD WITH HEATED WIPER BLADE PARK AREAS		
659-006	8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		

Cab Interior

707-1AK	OPAL GRAY VINYL INTERIOR		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
694-010	IN DASH STORAGE BIN		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-006	GRAY/CHARCOAL FLAT DASH		
860-004	SMART SWITCH EXPANSION MODULE		
720-003	5 LB. FIRE EXTINGUISHER	10	
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		



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Data Code	Description	Weight Front	Weight Rear
324-011	DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
722-002	TRIANGULAR REFLECTORS WITHOUT FLARES	10	
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-1J3	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-014	BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
761-014	BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		
763-101	BLACK SEAT BELTS		
532-001	FIXED STEERING COLUMN		
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
721-001	97 DB BACKUP ALARM		3
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		



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Data Code	Description	Weight Front	Weight Rear
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
830-006	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY AND HOBBS PTO OPERATION HOUR METER	2	
372-035	(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP	5	
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-001	OVERHEAD INSTRUMENT PANEL		
746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
748-009	POWER AND GROUND STUDS IN DASH PLUS ROOF CONSOLE WIRING		
749-016	CB WIRING ONLY TO ROOF/OVERHEAD CONSOLE; NO MOUNTING PROVISION		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR	-5	
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-012	FOUR ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		



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Data Code	Description	Weight Front	Weight Rear
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

Design

* 065-000 PAINT: ONE SOLID COLOR
 CAB COLOR IS F99885EB YELLOW ELITE BC

Color

980-6Z1 CAB COLOR A: P2513EB WHITE ELITE BC
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
 964-020 STANDARD BLACK BUMPER PAINT
 963-003 STANDARD E COAT/UNDERCOATING

Certification / Compliance

996-001 U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight*	9281 lbs	3954 lbs	13235 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight*	9281 lbs	3954 lbs	13235 lbs

Extended Warranty

WAI-47J CUM 2017 L9: HD1 MD DTY 5 YEARS / 150,000 MILES / 241,500 KM EXTENDED WARRANTY. FEX APPLIES
 WAX-102 CUM 2017 L9: AT3 MD DTY 5 YEARS / 150,000 MILES / 241,500 KM AFTERTREATMENT. FEX APPLIES



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Dealer Installed Options

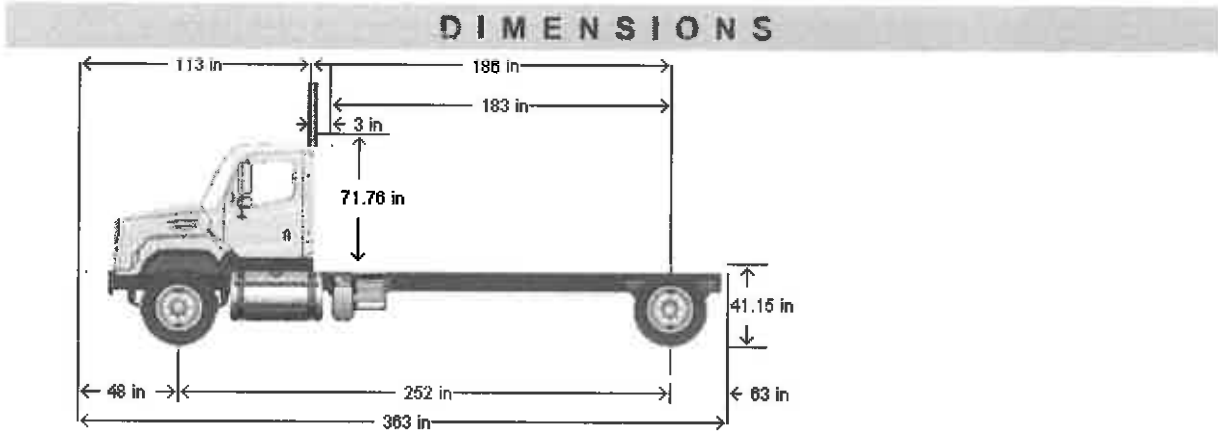
		Weight	Weight
		Front	Rear
PDI	CONNECTING BLOCK HEATER AND PREHEATER TO SAME RECEPTACLE	0	0
AXLE	AXLE WARRANTY	0	0
ELEC	ELECTRIC BRAKE CONTROLLER	0	0
Total Dealer Installed Options		0 lbs	0 lbs

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

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VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	114SD
Wheelbase (545)	6400MM (252 INCH) WHEELBASE
Rear Frame Overhang (552)	1600MM (63 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE



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TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	113.4
Bumper to Centerline of Front Axle (BA)	47.9
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axles (CA)	186.4
Effective Back of Cab to Centerline of Rear Axles (Effective CA)	183.4
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
Back of Cab Protrusions (Side Extenders/Tire Tabs) (CP)	0.0
Back of Cab Protrusions (CHG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	249.4
Cab Height (CH)	71.3
Wheelbase (WB)	252.0
Frame Overhang (OH)	63.0
Overall Length (OAL)	262.9
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	41.1

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



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GVWR

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model 114SD
 Cab Size (829)..... 114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
 Expected Front Axle(s) Load (lbs)..... 18000.0
 Expected Pusher Axle(s) Load (lbs).....0.0
 Expected Rear Axle(s) Load (lbs)..... 23000.0
 Expected Tag Axle(s) Load (lbs).....0.0
 Expected GVW (lbs)..... 41000
 Expected GCW (lbs).....0.0
 Front Axle (400)..... DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
 Front Suspension (620)..... 18,000# FLAT LEAF FRONT SUSPENSION
 Front Hubs (418)..... CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
 Front Disc Wheels (502).....ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS
 Front Tires (093).....MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES
 Front Brakes (402)..... MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
 Steering Gear (536)..... TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
 Rear Axle (420)..... RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
 Rear Suspension (622).....23,000# FLAT LEAF SPRING REAR SUSPENSION WITH RADIUS ROD
 Rear Hubs (450).....CONMET PRESET PLUS PREMIUM IRON REAR HUBS
 Rear Disc Wheels (505).....ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
 Rear Tires (094)..... MICHELIN X MULTI D 11R22.5 16 PLY RADIAL REAR TIRES (NORTH AMERICAN ONLY)
 Rear Brakes (423).....MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
 Pusher / Tag Axle (443)..... NO PUSHER OR TAG AXLE
 Pusher / Tag Suspension (626)..... NO PUSHER OR TAG SUSPENSION
 Pusher / Tag Hubs (449)..... NO PUSHER OR TAG HUBS
 Pusher/Tag Disc Wheels (509).....NO PUSHER/TAG DISC WHEELS
 Pusher / Tag Tires (095)..... NO PUSHER/TAG TIRES
 Pusher / Tag Brakes (456)..... NO PUSHER/TAG BRAKES



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TABLE SUMMARY - GVWR

	Front	Rear
Axle Component Weight Ratings		
Axles	18000	23000
Suspension	18000	23000
Hubs	23000	26000
Brakes	20000	23000
Wheels	20000	26500
Tires	20000	24020
Power Steering	22000	NA
GVWR (per axle)	18000	23000
GVWR (per axle system)	18000	23000
Expected Load (per axle system)	18000	23000
Vehicle GVWR Summary		
Calculated GVWR	41000	
Expected GVWR	41000	
<small>All weights displayed in pounds</small>		

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

