

Fire Master Fire Equipment, Inc.

Sales & Service on New & Pre-Owned Fire Apparatus
Plus a Complete Line of Fire Fighting Equipment



Apparatus Contract

AGREEMENT- Made this _____ day of _____ **2024** between **Fire Master Fire Equipment, Inc.** (hereafter known as "Fire Master") and the **Porum Volunteer Fire Department** (Hereafter known as "BUYER") in accordance with the conditions written below and the specifications and addendum(s) attached, which are made part of this Contract. This agreement does not become binding until it is agreed to and accepted in writing and is properly signed by an officer of Fire Master Fire Equipment, Inc.

TERMS OF PAYMENT- The Buyer agrees to purchase **One (1) 2025 or Newer Fire Master Tanker mounted on a Commercial Freightliner M2-106 2-Door Chassis with a Hale QFlo 1,250 GPM Pump and a 3,000 Gallon Booster Tank with approved options as per the attached specifications utilizing the North Carolina Sheriff's Association national procurement contract (25-05-0521).** for the total sum of **Four Hundred Thirty Thousand, Three Hundred Twenty-Six Dollars and 00/100 (\$430,326.00)**, excluding any taxes, to be paid in full, **UPON DELIVERY AND ACCEPTANCE OF THE APPARATUS.** The vehicle(s) shall not be released to the BUYER until payment is made. If the selling price is subject to any taxes, the taxes added will be that which are prevailing at the time of delivery.

Payment shall be made directly to **Fire Master Fire Equipment, Inc.** Payment shall be made in United States Currency. No checks or any other form of payment shall be made to any sales representatives, dealer, agents, etc.

IF THESE PAYMENT TERMS ARE NOT STRICTLY ADHERED TO, FIRE MASTER FIRE EQUIPMENT, INC. SHALL ASSESS A DAILY INTEREST CHARGE BASED ON AN ANNUAL PERCENTAGE RATE OF 18% ON THE UNPAID BALANCE. IF MORE THAN ONE VEHICLE IS COVERED BY THIS CONTRACT AND THE VEHICLES ARE SHIPPED ON DIFFERENT DATES, THE TERMS STATED ABOVE SHALL APPLY TO EACH VEHICLE.

DELIVERY- Delivery shall be F.O.B **Porum, Oklahoma** within **365** calendar days after receipt of executed contract. Fire Master shall not be held liable for damages for failure to make deliveries as a result of fire, flood, riots, strikes, chassis shortages, or delays caused by its suppliers, any act of God or any other circumstances beyond Fire Master's control.

INSPECTION- The BUYER shall inspect the apparatus immediately upon delivery and shall give written notice of any defects with Ten (10) days. The vehicle(s) shall be deemed accepted if the BUYER fails to give such notice. The BUYER expressly waives any rights the BUYER may have to revoke acceptance after the Ten (10) day period.

WARRANTY- Each vehicle manufactured by Fire Master Fire Equipment, Inc. shall be warranted according to the provisions contained in the Fire Master Fire Equipment, Inc. Warranty Certificate enclosed with the bid proposal package.



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ASSIGNMENT- The rights and obligations of the BUYER under this Agreement shall not be assigned or transferred without the prior written consent of Fire Master.

AMENDMENT (S) - No modifications, alterations, additions, deletions, or any other changes in the terms hereof shall be binding on either party unless produced in writing and properly executed by a duly authorized officer of Fire Master and a representative of the BUYER.

NOTICES- All notices under this Agreement must be certified mail, return receipt requested.

GOVERNING LAW- This Agreement shall be constructed and interpreted, and its performance shall be governed by the laws of the state of Missouri.

AGREED this _____ day of _____ 2024.

Buyer:

(Authorized Signature for Buyer)

Printed:

Title:

Name, Address, & Phone Number of Fire Department:

Porum Volunteer Fire Department
Fire Chief Trampas Tripp
205 North 2nd Street
Porum, Oklahoma 74455

Signed:

(Christopher B. Thompson, Territory Manager)

Signed:

(Scott Shelton, President)

21st day of Oct 20 21

Chairman _____

Member _____

Member _____

Attest _____

County Clerk



WELCH STATE BANK



Member F D I C

P.O. Box 129

396 S. Commercial
Welch, Ok 74369
PH. 918-788-3373
FAX 918-788-3364

Budget Quote

DATE: October 11, 2024
TO: Trampas, Porum Fire/Muskogee Co
FROM: Sherri, Welch State Bank
REF: Lease purchase financing budget quote
EQUIP: Pumper Tanker

COST less down	#PMTs	PAYMENT	RATE
\$280,326.70	15 annual	\$28,766.12	5.92%
\$280,326.70	20 annual	\$24,870.03	6.19%

Per Trampas (cost \$430,326.70 less down - \$150,000=\$280,326.70)

This quote is good for 30 days.
First payment due in one year after delivery.
Quote is subject to credit approval.
\$300.00 doc fee is included in proposal's payment.
Simple interest with no prepayment penalties.

This quote is given for a "qualified tax-exempt obligation" within the meaning of Section 265(b)(3) of the Internal Revenue Code of 1986, if this is not a "qualified tax-exempt obligation" rate(s) will be higher.



W: Purchasing Question

message

Trampas Tripp0 <porumfd29@yahoo.com>
> Polly Irving <polly.clerk@gmail.com>

Wed, Oct 16, 2024 at 2:13 P

----- Forwarded Message -----

From: Jeffrey L Smith <jsmith@readymuskogee.org>
To: Trampas Tripp <porumfd29@yahoo.com>
Sent: Thursday, August 15, 2024 at 12:55:11 PM CDT
Subject: Fwd: Purchasing Question

Here you go, you should be good to go.

From: Cheryl Wilson <cwilson@sai.ok.gov>
Sent: Thursday, August 15, 2024 8:12:33 AM
To: Jeffrey L Smith <jsmith@readymuskogee.org>
Subject: RE: Purchasing Question

The County Purchasing Act, 19 O. S. § 1501, allows counties to use competitively bid contracts of nationwide programs and local jurisdictions in lieu of seeking sealed bids.

"...p. counties may participate in a nationwide purchasing program sponsored by the national association representing counties and local cooperative procurement agreements entered into by the counties and other local jurisdictions or any other competitively bid nationwide purchasing program..."

So you would just need verification that the program is open to governments nationwide and that item was part of a competitive bid process. The NCSA should be able to provide all of that to you.



Cheryl Wilson
County Management Services
Oklahoma State Auditor & Inspector's Office
Room 123, State Capitol

Oklahoma City, OK 73105
Phone: (405) 521-3449
www.sai.ok.gov

From: Jeffrey L Smith <jsmith@readymuskogee.org>
Sent: Wednesday, August 14, 2024 10:32 AM
To: Cheryl Wilson <cwilson@sai.ok.gov>

CAUTION: This email originated from outside of SAI. DO NOT click links or open attachments unless you recognize and trust the sender. Contact the SAI Helpdesk with questions or concerns.

Good Morning Cheryl,

I have a fire department that is looking to purchase a new tender/pumper. On an exchange of emails with the company they have stated that they don't do NASPO/Oklahoma Contacts. However, they do purchasing contracts thru the North Carolina Sheriff's Association (NCSA) which they have stated is accepted in all 50 states. Is that accurate and can they use that purchasing contract to purchase the truck they need?

Director Jeffrey L. Smith CFM, OCEM

Muskogee County Emergency Management

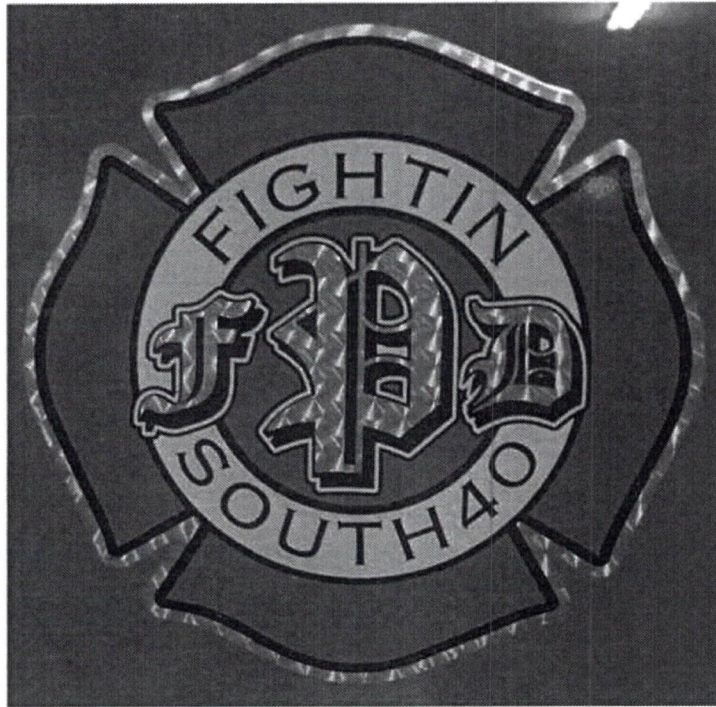
Po Box 2274 Muskogee, OK 74402

Ph# (918)682-2551 Fax# (918)684-1699



image001.png
20K

Porum Fire Department



Fire Master 3,000 Gallon Tanker Proposal

Fire Master Fire Equipment, Inc.

October 14, 2024



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Fire Master Fire Equipment, Inc.

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October 14, 2024

Porum Volunteer Fire Department
Fire Chief Trampas Tripp
205 North 2nd Street
Porum, Oklahoma 74455

Chief Tripp:

Thank you for allowing Fire Master Fire Equipment, Inc. the opportunity to provide a proposal for a new Fire Master 3,000 Gallon Tanker.

Fire Master Fire Equipment, Inc. is a family owned business and has been serving the area since 1963. We have been representing Ferrara Fire Apparatus for more than ten (10) years and manufactured our own Fire Master Fire Apparatus for more than forty (40) years prior to becoming a dealer for Ferrara. Our team is dedicated to providing excellent customer service before, during, and after the sale. Our service department is managed by a Master EVT and our service staff are also EVT certified.

As a manufacturer, our goal is to provide you with the apparatus that meets and exceeds your needs and expectations.

Please feel free to contact me if you have any questions regarding this proposal. My cell number is 417-793-4582 or I can be reached by email at chris@firemaster.com.

Thank you,

Christopher B. Thompson

Sales Manager



Fire Master Fire Equipment, Inc.

*Sales & Service on New & Pre-Owned Fire Apparatus
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PROPOSAL

October 14, 2024

**To: Porum Volunteer Fire Department
Fire Chief Trampas Tripp
205 North 2nd Street
Porum, Oklahoma 74455**

We hereby propose and agree to furnish you, subject to your acceptance of this proposal and the proper signing and execution of the attached contract and addendum(s) by the parties thereto, the apparatus and appurtenances herein described and for the following prices listed below. In the event the purchaser uses its own purchase order or its own contract pages in lieu of signing the attached contract, it shall be understood by all parties that all terms and conditions of the attached contract and addendum(s) shall take precedence over any and all other documents.

- 1. One (1) 2025 or Newer Fire Master Tanker mounted on a Commercial Freightliner M2-106 2-Door Chassis with a Hale QFlo 1,250 GPM Pump and a 3,000 Gallon Booster Tank with approved options as per the attached specifications utilizing the North Carolina Sheriff's Association national procurement contract (25-05-0521).**

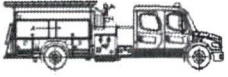
**For a total sum of Four Hundred Thirty Thousand, Three Hundred Twenty-Six Dollars and 00/100
(\$430,326.00)**

All apparatus and appurtenances shall be manufactured in accordance with the attached specifications, with the same specifications becoming a part of the contract. Delivery shall be made within the time specified below after receipt and acceptance by Fire Master Fire Equipment, Inc. of the properly signed and executed contract and addendum(s). The delivery time indicated is based on the best delivery knowledge available at this time. Delivery shall be contingent upon delays or failure to deliver from suppliers, delays caused by or resulting from labor problems, chassis shortages, strikes, fire, flood, accidents, any other acts of God, or any other circumstances which are beyond the control of this corporation.

TERMS OF PAYMENT: All apparatus shall be paid NET UPON DELIVERY AND ACCEPTANCE. In the event equipment shortages that were bid to be included with the apparatus occur, the PURCHASER is to pay full purchase price less a 5% retainage for such shortages. Any amount deducted is then payable upon receipt and acceptance of such shortages.

***NOTE – All prices or quotations are subject to change or withdrawal unless accepted with 30 days from the date herein set forth.**

***NOTE – These chassis proposed are Subject to Prior Sale.**



Fire Master Fire Equipment, Inc.

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Respectfully submitted,

FIRE MASTER FIRE EQUIPMENT, INC.

By: *Christopher B. Thompson*
Sales Manager



North Carolina Sheriffs' Association
Fire/EMS/Law Enforcement Specialty Vehicles
Procurement Program

Frequently Asked Questions

Question – Who can participate?

Answer – Any local government agency throughout the United States can participate in the North Carolina Sheriffs' Association Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program.

All government agencies must follow their local governing purchasing ordinances.

Question -- What kind of emergency vehicles does the NCSA offer through its Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program?

Answer -- The NCSA Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program provides all government agencies over 190 separate emergency vehicle offerings, not including models that are considered to be an upgrade or downgrade.

The NCSA Program provides government agencies with ambulances, rescue boats, ATVs, mobile command units, armored vehicles, electric bikes, aerial firetrucks, remounts, chassis, bookmobiles, mobile air compressors, prisoner transport, support trailers, and more.

The NCSA Program offers 11 specialty vehicle categories (groups).

Question -- Does a local government agency have to register or become a member of the North Carolina Sheriffs' Association?

Answer -- No. All government agencies can participate in the NCSA's Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program without joining the North Carolina Sheriffs' Association.

There is no registration with the North Carolina Sheriffs' Association required and no registration fee required. A government agency does not need to be a member of the North Carolina Sheriffs' Association to purchase off the Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program.

Question -- Is there a commission fee?

Answer -- Yes. Vendors must include a three-quarters-of-one percent (.0075) commission fee in their base Bid prices, and their quotes and pricing for all additional equipment items (options), excluding any state regulated fees including tags. The three-quarters-of-one percent fee will be incorporated into, and made a part of, the total invoice amount and shall not be treated or added as a separate line item. Fees are based on the total invoice cost, excluding trade-ins. Trade-ins and other exchanges will not reduce or impact the NCSA commission fee calculation. No other commission fee(s) will be applicable to any transaction relative to the contract.

This commission fee is non-negotiable and will be collected on all purchase orders using the NCSA Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program.

This commission fee is used by the North Carolina Sheriffs' Association to continue to support all sheriffs' offices in the State of North Carolina with ongoing support, education, and necessary training.

Question -- Can the North Carolina Sheriffs' Association help with an Interlocal Purchasing Agreement (ILA) or Master Agreement?

Answer -- Yes! Please contact Jason Bennett, North Carolina Sheriffs' Association, at 919-459-8195 or at jbennett@ncsheriffs.net to begin the process of having an ILA established for your county or city.

Question -- How does the North Carolina Sheriffs' Association choose the vendors on this Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program?

Answer -- The North Carolina Sheriffs' Association conducts a solicitation for participation throughout the Southeast. The NCSA sends over 350 solicitations to Fire/EMS/Law Enforcement Specialty Vehicles vendors and manufacturers asking to participate in the NCSA's Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program.

The NCSA develops, with the assistance of vendors and manufacturers, a comprehensive listing by vendor/manufacturer of emergency vehicle specifications that are most popular with government agencies. Once these vehicles are submitted, the NCSA goes out to bid on each item.

Each participating Fire/EMS/Law Enforcement Specialty Vehicles vendor or manufacturer is required to submit an electronic bid submission through the Association's online bid system, VendorLink, along with submitting all required cooperative purchasing documentation.

This competitive process provides multiple sources of supply based on a pre-set maximum price which the Customer will pay. Contracts will be awarded to all responsive and responsible bidders. Any VendorLink entries received that do not meet solicitation requirements will be considered non-responsive.

Question -- How long are the NCSA's Fire/EMS/Law Enforcement Specialty Vehicles Procurement contracts effective?

Answer -- All contracts are effective for 365 days. All contracts become effective

on June 18th and will expire on June 17th the following year. A contract may be renewed by mutual agreement between the NCSA and the Contractor, at the sole option and discretion of the NCSA, for up to two additional consecutive years, on a year-to-year basis.

The NCSA has worked with each contractor to ensure all NCSA pricing is locked in for one full contract year, despite any changes in a vehicle model year. There are few exceptions of which the NCSA will accept on an individual basis.

Question -- If I am the manufacturer can I participate?

Answer -- Manufacturers may hold the contract. If an individual dealer who represents the manufacturer chooses to participate, they must submit their own bid and hold their own contract. The contract holder is responsible for providing the NCSA with a copy of all purchase orders.

All manufacturers must also ensure any proper warranty work can be completed for all agencies submitting a purchase order.

Should a third-party distributor wish to sell products off the Manufacturer's Contract Award, it is the manufacturer's responsibility to:

1. Ensure all NCSA Fire/EMS/Law Enforcement Specialty Vehicles Terms and Conditions are complied with.
2. Submit purchase orders per section 3.19 of the program's Terms and Conditions, and track and report sales in the quarterly report per section 3.19 of the program's Terms and Conditions.

The name of the manufacturer holding the Contract Award must be included on all submitted purchase orders.

Question -- What are the steps to use the North Carolina Sheriffs' Association Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program?

Answer -- Step 1 - Access the North Carolina Sheriffs' Association's

Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program's website. You can access the website by typing <https://ncsheriffs.org/procurement> into your internet browser window.

On the NCSA Fire/EMS/Law Enforcement Specialty Vehicles Procurement website, you will find all emergency vehicle contracts, the price for each item, an easy-to-use vendor directory, and much more. Everything you will need to procure emergency vehicles off the NCSA Program is found on this website.

Step 2 - Find the vehicle(s) you wish to purchase by accessing the Fire/EMS/Law Enforcement Specialty Vehicles Procurement page found on the Association's website at <https://ncsheriffs.org/services/fire-ems-law-enforcement-procurement-program>. This page includes the name of each category (group) and each brand/model broken down by awarded vendor, the base price for each vehicle, discount percentage offered, and a hotlink to each item's full specification (build sheet) and option sheet which includes information on all standard equipment, available options, and any models that are considered to be an upgrade or downgrade. *Please click on the red build sheet title to access that item's full specification (build sheet) and the red option sheet title to access any information regarding available options.*

Step 3 - Access the NCSA's Vendor Directory by visiting the Association's Fire/EMS/Law Enforcement Specialty Vehicles Procurement website.

Step 4 - Contact the vendor for the vehicle(s) you wish to purchase to begin the purchasing process.

Step 5 - Issue your purchase order directly to the contracted vendor/manufacture for the vehicle(s) you wish to purchase and a copy to the North Carolina Sheriffs' Association to amartin@ncsheriffs.net. A copy of all purchase orders is due to the NCSA within 10 business days

once they have been issued. All dealers/manufacturers involved in a purchase **and** the purchasing agency must submit a copy of the purchase order.

Question -- How can a government agency learn more about the NCSA's bidding processes, delivery instructions, requirements for the participating dealers/manufacturers, and more on the NCSA's Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program?

Answer -- The North Carolina Sheriffs' Association has an official Terms and Conditions document that regulates the Program. A copy of the Terms and Conditions can be found by visiting the Association's Fire/EMS/Law Enforcement Specialty Vehicles Procurement Website.

All contracted dealers/manufacturers have agreed to abide by all Terms and Conditions listed within this document.

Question -- Who does a county or city agency call when they need assistance or help? Who can we contact if we have issues with a contracted vendor?

Answer -- Please contact either Jason Bennett, North Carolina Sheriffs' Association, at 919-459-8195 or jbennett@ncsheriffs.net or Anna Martin, North Carolina Sheriffs' Association, at 919-459-1072 or amartin@ncsheriffs.net.

Question -- How can I stay up to date on all information relating to the North Carolina Sheriffs' Association Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program?

Answer -- You can sign up by visiting the Associations Fire/EMS/Law Enforcement Specialty Vehicles Procurement website. You will receive all future updates relating to this Fire/EMS/Law Enforcement Specialty Vehicles Procurement Program.



3,000 Gallon Pumper / Tanker

INTENT OF SPECIFICATION

It is the intent of these specifications to cover our bid for furnishing and delivery to the purchaser of a complete apparatus equipped as hereinafter specified. With a view to obtaining the best results and the most acceptable apparatus for service in the fire department, these specifications cover the general requirements as to the type of construction, together with certain details as to finish, equipment, and appliances with which the successful bidder must conform. Minor details of construction and materials where not otherwise specified are left to the discretion of the contractor, who will be solely responsible for the design and construction of all features.

ADHERENCE TO SPECIFICATIONS

In order to closely evaluate all bids and determine the responsiveness to the customer request, each proposal must be submitted in the same order as the customer specification for ease of comparison. Each item must have a check mark in the appropriate column indicating compliance. Those items that are different by brand, model number (when applicable), and operational performance must be clearly defined and listed separately on a document clearly identified as "Clarifications and Substitutions". Vendors failing to comply with this request are subject to immediate rejection without further cause.

SAFETY REQUIREMENTS

The unit specified meets all State and Federal safety standards and laws that are in effect on the date of the bid for the item(s) that are being specified and the particular use for which they are meant.

QUALITY AND WORKMANSHIP

The design of the apparatus shall embody the latest approved automotive engineering practices. Experimental designs and methods shall not be acceptable. The workmanship shall be of the highest quality in its respective field. Special consideration is given to the following points: accessibility of the various units that require periodic maintenance, ease of operation (including both pumping and driving) and symmetrical proportions. Construction shall be rugged and ample safety factors shall be provided to carry loads as specified.



3,000 Gallon Pumper / Tanker

PAYMENT TERMS

The apparatus shall be paid in full upon completion and acceptance at the manufacturer's facility.

The vehicle(s) shall not be released from the manufacturer until full payment is made.

GENERAL CONSTRUCTION

The complete apparatus, assemblies, subassemblies, component parts, etc. will be designed and constructed with due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to be subjected when placed in service. All parts of the apparatus will be strong enough to withstand the general service under full load. The apparatus will be designed so the various parts are readily accessible for lubrication, inspection, adjustment, and repair.

The apparatus will be designed, constructed, and equipment mounted, with due consideration to distribution of the load between the front and rear axles, so the specified equipment, including a full compliment of specified ground ladders, full water tank, loose equipment, and firefighters; will be carried without overloading or injuring the apparatus.

OPERATION AND SERVICE DOCUMENTATION

The documentation will address at least the inspection, service, and operations of the fire apparatus and all major components thereof. The manufacturer shall also provide documentation of the following items for the entire apparatus and each major operating system or major component of the apparatus:

1. Manufacturer's name and address
2. Country of manufacture
3. Source of service and technical information
4. Parts and replacement information
5. Descriptions, specifications, and ratings of the chassis, pump, and aerial device
6. Wiring diagrams for low voltage and line voltage systems to include the following information: representations of circuit logic for all electrical components and wiring, circuit identification, connector pin identification, zone location of electrical



3,000 Gallon Pumper / Tanker

components, safety interlocks, alternator-battery power distribution circuits, and input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems

7. Lubrication charts
8. Operating instructions for the chassis and major components such as a pump and any auxiliary systems
9. Precautions related to multiple configurations of aerial devices, if applicable
10. Instructions regarding the frequency and procedure for recommended maintenance
11. Overall apparatus operating instructions
12. Safety considerations
13. Limitations of use
14. Inspection procedures
15. Recommended service procedures
16. Troubleshooting guide
17. Apparatus body, chassis, and other component manufacturers warranties
18. Special data required by this standard
19. Copies of required manufacturer test data or reports, manufacturer certifications, and independent third-party certifications of test results (Mid-ship Pump)

MANUFACTURING LABELS

A permanent plate shall be mounted in a compartment specifying the quantity and type of the following fluids that may be used in the apparatus for normal maintenance.

Where a fluid is not applicable to the unit, the plate shall be marked N/A to inform the service technician who may not be familiar with the apparatus.

- Engine oil
- Engine coolant
- Transmission fluid
- Pump transmission fluid
- Pump primer fluid
- Drive axle fluid
- Air conditioning refrigerant
- Power steering fluid



3,000 Gallon Pumper / Tanker

- Cab tilt mechanism fluid
- Transfer case fluid
- Equipment rack fluid
- Air compressor system lubricant
- Generator system lubricant
- Front tires air pressure
- Rear tires air pressure

SAFETY LABELS:

SEAT BELT SIGN: An accident prevention sign stating, "Danger Personnel Must Be Seated And Seat Belts Must Be Fastened While Vehicle Is In Motion Or Death or Serious Injury May Result." shall be visible from each seating position.

SEATING CAPACITY SIGN: A permanent sign shall be installed in the driver's compartment specifying the maximum number of personnel the vehicle is designed to carry (seating capacity) per NFPA standards. It shall be located in an area visible to the driver and shall read "**SEATING CAPACITY (2)**".

OVERALL TRAVEL CLEARANCE PLATE: There shall be a travel clearance warning label located in the chassis cab. The travel clearance warning label to be located in easy view of the driver. The travel clearance warning label to include the following information: **Overall travel clearance height in feet and inches.**

GVW SIGN: The manufacturer shall supply the final manufacturer's furnished certification of GVWR and GAWR on a nameplate affixed to the vehicle.

TYPE OF FUEL SIGN: A "**Diesel Fuel Only**" name tag shall be attached to fuel fill access door.

NFPA COMPLIANCE

After acceptance of the fire apparatus, the purchaser shall be responsible for ongoing training of personnel to develop and maintain proficiency regarding the proper and safe use of the apparatus and the associated equipment.



3,000 Gallon Pumper / Tanker

It shall be the responsibility of the end user to procure all associated loose equipment as suggested by the NFPA standards for automotive fire apparatus.

Special notice is given to the following areas that were changed in the 2016 revision. It is the responsibility of the successful bidder to be familiar with all applicable areas of NFPA. This list is not all-inclusive and shall not be construed as such.

APPARATUS TOP SPEED

The maximum top speed of fire apparatus with a GVWR over 26,000 lbs. (11,800 kg) shall not exceed either 68 mph (105 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1,250 gal. (4732 L), or the GVWR of the vehicle is over 50,000 lbs. (22,680 kg), the maximum top speed of the apparatus shall not exceed either 60 mph (85 km/hr.) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

SEAT BELT INDICATORS

A seat belt warning system shall be provided.

The warning system shall consist of an audible warning device that can be heard at all seating positions designed to be occupied while the vehicle is in motion.

The warning shall be activated anytime the parking brake is released or the automatic transmission is not in park.

ELECTRONIC STABILITY CONTROL

This vehicle is equipped with the Electronic Stability Control system (ESC) to meet the requirements of NFPA 1901, 2016 Edition Section 4.13.1.2.



3,000 Gallon Pumper / Tanker

GENERAL WARRANTY

The following warranty will be furnished. We warrant each new piece of Fire Apparatus to be free from defects in material and workmanship under normal use and service. Our obligation under this warranty is limited to repairing or replacing, as the Company may elect, any part or parts thereof which will be returned to us with transportation charges prepaid and as to which examination will disclose to the Company's satisfaction to have been defective, provided that such part, or parts will be returned to us no later than two (2) years after delivery of covered apparatus. Such defective part or parts will be returned or replaced free of charge and without charge for installation to the original purchaser.

This warranty will not apply to:

1. Normal maintenance services or adjustments.
2. To any vehicle which has been repaired or altered outside of the original manufacturing facility in any way so as, in the manufacturer's judgment, to affect its stability
3. To any vehicle which has been subject to misuse, negligence, or accident
4. To any vehicle made by us which will have been operated to a speed exceeding the factory rated speed or loaded beyond the factory rated load capacity.
5. Commercial chassis and associated equipment furnished with chassis, signaling devices, generators, batteries, or other trade accessories as they are usually warranted separately by their respective manufacturers. This warranty is in lieu of all other warranties, expressed or implied.
6. All other representations as to the original purchaser and all other obligations or liabilities, including for incidental or consequential damage on the Company's behalf unless made in writing by the Company.

PUMP WARRANTY

Five (5) year (minimum) pump warranty to the original owner. This warranty varies by pump manufacturer.

TANK WARRANTY

"Lifetime" warranty on the water tank.



3,000 Gallon Pumper / Tanker

5 YEAR PAINT WARRANTY

The manufacturer shall warrant each new fire and rescue apparatus manufactured by it, if used in a normal and reasonable manner, against rust through, blistering, peeling, or cracking of painted surfaces for a period of five (5) years or 50,000 miles, parts & labor to the original purchaser starting the day of final delivery.

The manufacturer's obligation under this warranty is strictly limited to repairing or repainting, as the Company may elect any defective part.

10 YEAR BODY & SUBFRAME WARRANTY

The manufacturer shall warrant each new fire body manufactured by it, if used in a normal and reasonable manner, against structural defects caused by defects in material, design, or workmanship for a period of ten (10) years or 100,000 miles, the parts & labor to the original purchaser starting the day of final delivery.

CHASSIS

Freightliner M2-106

2-Door Commercial Chassis

GVWR:	56,000 lbs.
Front Axle:	16,000 lbs.
Rear Axle:	40,000 lbs.
Engine:	Cummins ISL9 350 hp.
Transmission:	Allison 3000 EVS
Wheels:	Aluminum Alcoa
Color:	Bright RED

PRINCIPLE DIMENSIONS (STANDARD SPECIFICATION)

Overall Length:	33' 04"
Overall Height:	9' 06"
C/A:	172"
W/B:	240"



3,000 Gallon Pumper / Tanker

Principle dimensions are configured for "Standard" specifications. Alterations to pump and optional equipment will affect the overall height and overall length of the vehicle.

CHASSIS MODIFICATIONS (STANDARD SPECIFICATION)

TRANSMISSION LOCK-UP EVS-3000

An electronic lock-up relay system shall be installed between the engine and transmission and the fire pump. The lock-up shall place the transmission into the 1:1 gear automatically for pump operations.

FRONT & REAR MUD FLAPS

There shall be a pair of front and rear mud flaps installed at the rear of the fenders.

REAR TOW EYES

There shall be two (2) tow eyes, one (1) on each side. They shall be attached to the frame rails, located in the rear center, through the rear wall above the tailboard.

EXHAUST SYSTEM

The exhaust system supplied shall be in compliance with the latest EPA Emission standard.

MASTER BATTERY SWITCH

A master battery on/off switch with shall be provided in the cab, near the driver's door.

BACK-UP ALARM

One (1) Back up Alarm 97 DB shall be provided and installed at the rear of the unit. It shall be wired to activate when the transmission is placed in reverse.



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NFPA 1901 COMPLIANT PUMP

The fire pump and related plumbing on the specified apparatus shall be installed in accordance with applicable NFPA 1901 guidelines at the time the contract was placed.

SIDE PANEL MODULE

A pump operator's side panel pump module shall be provided. It shall be assembled and mounted independently from both the chassis and the body to properly allow sufficient flexing and prevent component fatigue.

The module shall be constructed using square aluminum tubing. The welded ends of the tubing shall be chamfered prior to welding and shall be ground smooth prior to finishing.

SIDE PANELS

The pump compartment module shall have left, and right-side pump panels constructed of polished stainless steel sheets. The side pump panels shall be removable.

GAUGE PANEL

The pump operator's upper gauge panel shall be located on the left side of the pump module above the main control panel. It shall be constructed of polished stainless steel sheets. It shall be horizontally hinged and shall have two latches.

ACCESS PANEL

There shall be a hinged upper access panel located above the main pump panel on the right side of the pump module. It shall be constructed from stainless steel. It shall be vertically hinged and shall have three latches.

COLOR CODED LABELS

A set of color coded and function described labels shall be provided on the apparatus for the pump operator's controls, gated inlets, discharge outlets, drains, intake gauge, and pressure



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gauges (as applicable). The labels shall be a high-quality plastic material with a durable adhesive on the back.

PUMP PANEL LIGHT SHIELD – LEFT

One (1) polished, extruded aluminum light shield assembly shall be provided above the left side pump panel area. There shall be a minimum of two (2) weather resistant lights installed within the shield. A switch, located on the pump operator's panel shall be provided to activate the lights.

PUMP PANEL LIGHT SHIELD – RIGHT

One (1) polished, extruded aluminum light shield assembly shall be provided above the right-side pump panel area. There shall be a minimum of two (2) weather resistant lights installed within the shield. A switch, located at the pump operator's panel shall be provided to activate the lights.

PUMP COMPARTMENT LIGHTS

One (1) LED light strip shall be provided inside the pump compartment area. Light shall be switched on the light itself. The lights shall have a minimum 20 candlepower.

RUNNING BOARDS

Running boards shall be installed on each side of the pump compartment module. The running boards shall be constructed of 1/8" embossed fire apparatus bright aluminum treadplate. Each shall be a minimum of approximately 11" deep x the width of the side panel module. The running boards shall have a 1-1/4" upward bend on the inside edge to act as a kick plate.

The aluminum treadplate shall meet recommendations for slip resistant surfaces at the time of proposal. The running boards shall be attached to a frame mounted outrigger support structure. Each running board to have a 3" downward bend on the front and side faces with a 1" underside return for superior strength.



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HALE QFLO 1,250 GPM PUMP

1. The pump shall be of a size and design to mount on the chassis rails of commercial and custom truck chassis and have the capacity of 1,250 gallons per minute (U.S. GPM), NFPA-1901 rated performance.
2. The entire pump shall be assembled and tested at the pump manufacturer's factory.
3. The pump shall be driven by a drive line from the truck transmission. The engine shall provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance.
4. The entire pump, both suction and discharge passages, shall be hydrostatically tested to a pressure of 600 PSI. The pump shall be fully tested at the pump manufacturer's factory to the performance points as outlined by the latest NFPA Pamphlet No. 1901. Pump shall be free from objectionable pulsation and vibration.
5. The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (2,069 bar). All metal moving parts in contact with water shall be of high-quality bronze or stainless steel. Pump utilizing castings made of lower tensile strength cast iron will not be acceptable.
6. Pump body shall be vertically split on a single plane for easy removal of entire impeller assembly including wear rings and bearings from the pump without disturbing piping or the mounting of the pump in chassis.
7. The pump body shall extend as one piece across the truck chassis from side mounting to side mounting and incorporate the discharge manifold system with a minimum of (1) 4" ports and (9) 3" ports.
8. Pump shaft to be rigidly supported by bearings for minimum deflection. The bearings shall be heavy-duty, deep groove ball bearings in the gearbox, and they shall be splash lubricated.
9. The pump shaft shall have: one (1) mechanical seal on the suction (inboard) side of the pump. The mechanical seal must be spring loaded, maintenance free and self-adjusting. Mechanical seal construction shall be a carbon sealing ring, stainless steel coil spring, Viton rubber cup, and a tungsten carbide seat.
10. Pump impeller shall be hard, fine grain bronze of the mixed flow design; accurately machined and individually balanced. The vanes of the impeller intake eyes shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.



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11. Impeller clearance rings shall be bronze, easily renewable without replacing impeller or pump volute body.
12. The pump shaft shall be heat-treated, electric furnace, corrosion resistant stainless for longer shaft life. Pump shaft must be sealed with double-lip oil seal to keep road dirt and water out of gearbox.

GEARBOX

1. The pump gearbox shall be of sufficient size to withstand up to 16,000 lb./ft (7,257 kg/m) of drive through torque of the engine system. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.
2. The gearbox drive shafts shall be of heat-treated chrome nickel steel and at least 2- $\frac{3}{4}$ " (6.99 cm) in diameter, on both the input and output drive shafts. The drive shaft shall withstand the full torque of the engine.
3. All drive and pump gears shall be manufactured of the highest quality electric furnace chrome nickel steel. All bores shall be ground to size, teeth integrated and hardened, to create an extremely accurate gear for long life, smooth, quiet running, and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.
4. The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.
5. If the gearbox is equipped with a power shift, the shifting mechanism shall be a heat-treated, hard anodized aluminum power cylinder, with stainless steel shaft. An in-cab control for rapid shift shall be provided that locks in road or pump.
6. All apparatus' built with automatic transmissions shall be provided three (3) green warning lights to indicate to the operator(s) when the pump has completed the shift from road to pump position. The warning lights will be located as stated: two (2) in the truck driving compartment and one (1) on the pump operator's panel adjacent to the throttle control. For manual transmissions, one (1) green warning light will be provided for the driving compartment. All lights shall have appropriate identification/instruction plates.



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CERTIFICATION

The pump will perform and meet the following tests:

100% of rated capacity @150 PSI net pump press.

100% of rated capacity @ 165 PSI net pumps press.

70% of rated capacity @ 200 PSI net pump press.

50% of rated capacity @ 250 PSI net pump press.

Pump shall be tested at manufacturer under full NFPA suction conditions.

PRIMING PUMP

The priming pump shall be a positive displacement, oil-less rotary vane electric motor driven pump conforming to NFPA-1901 rated performance requirements. The pump body shall be manufactured of heat-treated anodized aluminum for wear and corrosion resistance.

The pump shall be capable of producing a minimum of 24 Hg vacuum at 2,000 feet (609.6m) above sea level. The electric motor shall be a 12 VDC totally enclosed unit.

The priming pump shall not require lubrication. The priming pump shall operate by a single pull control valve mounted on the pump operator's panel. The control valve shall be manufactured of bronze construction.

6" STEAMER INLETS

Two 6" (15.24cm) steamer inlets will be provided, one (1) on the left side and one (1) on the right side. Both inlets shall have long handle chrome vented caps and a screen.

RELIEF VALVE

There shall be one (1) suction side stainless steel relief pump valve provided on the pump system.



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PUMP CERTIFICATION TEST PLATE

A permanently affixed plate shall be installed at the pump operator's position that will provide the rated discharge and pressures together with the speed of the engine as determined by the certification test for each unit, the position of the parallel/series pump used, and the no load governed speed of the engine as stated by the engine manufacturer on a certified brake horsepower curve.

DISCHARGE VALVES

The valves including the ball shall be constructed of brass or stainless steel. The valves shall be bi-directional with full flow capability. The valves shall be of fixed pivot ball design with a flow pressure rating to meet NFPA-1901 standards. The valve shall have a single piece seat and seal design and shall have an operating pressure of 400 psi. All 2.5" (6.35cm) discharge valves shall be supplied with a true slow close mechanism per NFPA specifications. The valve shall be warranted for a period of ten (10) years on all stainless-steel components, against defects in design and manufacturing processes.

PIPING AND MANIFOLDS

All the plumbing and/or piping in the pump module shall be of 304 stainless steel or flexible piping for long life. All stainless-steel castings shall be a minimum of schedule 40. All NPT pipe thread connections larger than ¾" connections shall be avoided in the construction of the plumbing system. The following valves shall have groove connection: rear discharge, tank fill, all 2" and 2-½" (5.08 and 6.35cm) pre-connect valves.

The flexible piping shall be black SBR synthetic rubber hose with 300 working pounds and 1,200 pounds burst pressure for sizes 1.5 through 4". Sizes ¾", 1" and 5" are rated at 250 pound working and 1000-pound burst pressure. All sizes are rated at 30 HG vacuum. Reinforcement consists of two plies of high tensile strength tire cord for all sizes and helix wire installed in sizes 1 through 5" for maximum performance in tight bend applications. The material has a temperature rating of -40 degrees F to 210 degrees F.

Full flow couplings are precision machined from high tensile strength stainless steel. All female couplings are brass. ¾" and 1" male and Victaulic couplings are brass.



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PUMP COOLER and ENGINE COOLER VALVES

An engine cooler and pump cooler valve shall be installed in the instrument panel. The valves shall be a 1/4" multi-turn valve installed thru the instrument panel and labeled.

MASTER PUMP DRAIN

The pump shall be equipped with a Class 1 Master Pump drain to allow draining of the lower pump cavities, volute and selected water carrying lines and accessories. The drain shall have an all-brass body with a stainless-steel return spring.

U.L. TEST POINTS

Two (2) U.L. test points shall be mounted on the pump panel for testing of the vacuum and pressures. The test points shall be a single piece with individual ports for suction and discharge.

VALVE CONTROLS

Locking side mount controls shall be provided for valve actuation. The chrome plated zinc handles shall have a recessed area for 2" (5.08cm) round identification tags. The controls shall be locked in any position.

DISCHARGE GAUGES

Individual Class 1 2-½(6.35cm) line gauges for each 2" (5.08cm) or larger discharge shall be provided and mounted adjacent to the discharge valve control handle. The gauges shall indicate pressure from 0 to 400 PSI. The pressure gauge shall be fully filled with pulse and vibration dampening Interlube® to lubricate the internal mechanisms to prevent lens condensation and to ensure proper operation to minus 40 degrees F. To prevent internal freezing and to keep contaminants from entering the gauge, the stem and Bourdon tube.

The gauges shall be filled with low temperature material and be sealed from the water system using an insulating Sub Z diaphragm located in the stem. A colored bezel shall be supplied for resistance to corrosion and to protect the lens and case from damage.



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INDIVIDUAL DRAINS

All 2" (5.08cm) or larger discharge outlets shall be equipped with a ¾" ball valve drain valve or larger.

LEFT SIDE FRONT DISCHARGE

One (1) 2-½" (6.35cm) discharge with a stainless-steel valve shall be located on the left side panel. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The 2-½" (6.35cm) outlet shall be equipped with an integral, stainless steel, 30-degree elbow terminating with 2-½" (6.35cm) NH threads. A chrome vented cap and chain shall also be supplied. The valve shall be controlled at the pump panel with a top mount control. There shall be a Class 1 2 ½" pressure gauge mounted on the panel near the control to indicate pressure. The discharge shall also come equipped with a quarter-turn ¾" drain valve. The discharge must be capable of flowing 700 GPM or greater.

LEFT SIDE REAR DISCHARGE

One (1) 2-½" (6.35cm) discharge with a stainless-steel valve shall be located on the left side panel. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The 2-½" (6.35cm) outlet shall be equipped with an integral, stainless steel, 30-degree elbow terminating with 2-½" (6.35cm) NH threads. A chrome vented cap and chain shall also be supplied. The valve shall be controlled at the pump panel with a top mount control. There shall be a Class 1 2 ½" pressure gauge mounted on the panel near the control to indicate pressure. The discharge shall also come equipped with a quarter-turn ¾" drain valve. The discharge must be capable of flowing 700 GPM or greater.

LEFT SIDE AUXILIARY SUCTION

One (1) 2-½" (6.35cm) intake with a stainless-steel valve shall be located on the left side panel. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The valve shall be controlled at the pump panel with a top mount control. The valve shall come equipped with a chrome plug, chain, inlet strainer, 2-½" (6.35 cm) FNH chrome inlet swivel and ¾" drain valve.



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RIGHT SIDE FRONT DISCHARGE

One (1) 2-½" (6.35cm) discharge with a stainless-steel valve shall be located on the right-side panel. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The 2-½" (6.35cm) outlet shall be equipped with an integral, stainless steel, 30-degree elbow terminating with 2-½" (6.35cm) NH threads. A chrome vented cap and chain shall also be supplied. The valve shall be controlled at the pump panel with a top mount control. There shall be a Class 1 2 ½" pressure gauge mounted on the panel near the control to indicate pressure. The discharge shall also come equipped with a quarter-turn ¾" drain valve. The discharge must be capable of flowing 700 GPM or greater.

RIGHT SIDE REAR DISCHARGE

One (1) 2-½" (6.35cm) discharge with a stainless-steel valve shall be located on the right-side panel. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The 2-½" (6.35cm) outlet shall be equipped with an integral, stainless steel, 30-degree elbow terminating with 2-½" (6.35cm) NH threads. A chrome vented cap and chain shall also be supplied. The valve shall be controlled at the pump panel with a top mount control. There shall be a Class 1 2 ½" pressure gauge mounted on the panel near the control to indicate pressure. The discharge shall also come equipped with a quarter-turn ¾" drain valve. The discharge must be capable of flowing 700 GPM or greater.

DECK GUN PLUMBING, 3"

A 3" deck pipe shall be installed above the pump in such a manner that a monitor can be mounted and used effectively. The piping shall be installed securely so no movement develops when the line is charged. The piping shall terminate with 3" NPT threads and a 4-bolt flange for mounting a monitor. The 3" valve shall be lever controlled from the operator's panel.

TANK FILL

One (1) 2"(5.08cm) discharge with a stainless-steel valve shall be plumbed to the tank. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The 2"(5.08cm) valve outlet terminates with 2"(5.08cm) grooved connection. The valve shall be controlled at the pump panel with a top mount control.



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CROSSLAYS - 1 ¾"

Two (2) double lay crosslays shall be installed on apparatus. Each section of the crosslay shall hold 200' of 1-3/4" double jacket fire hose. A 1-1/2" mechanical swivel hose connector shall be used in each crosslay to provide access of hose in either direction. Each crosslay shall have one (1) 2" (5.08cm) stainless steel valve. The valve shall be a quarter turn ball type and fixed pivot design to allow easy operation at all pump pressures. The 2"(5.08cm) valve outlet terminates with 2"(5.08cm) grooved connection. The discharge shall be plumbed to the crosslay trays using 2" (5.08cm) schedule 10 stainless steel pipe. The pipe shall terminate in a stainless-steel swivel with 1 ½" (3.81cm) NH thread. The swivel shall allow the hose to be pulled from either side of the apparatus. The pipe shall be held in place by a 2-piece stainless steel bracket. Each valve shall be controlled at the pump panel with a top mount control. There shall be a Class 1 2 ½" pressure gauge mounted on the panel near each control to indicate pressure. Each discharge shall also come equipped with a quarter-turn ¾" drain valve. Each discharge shall be foam capable. Each discharge must be capable of flowing 180 GPM or greater.

CROSSLAY COVER

A hypalon cover will be provided.

TANK TO PUMP

One (1) 3" (7.62cm) valve shall be installed between the water tank and the pump. The valve shall be a quarter turn ball type. The valve shall be actuated with a manual pull handle.

MASTER GAUGES

Class 1 4-½(11.43cm) gauges shall be provided. The master discharge gauge shall indicate pressure from 0 to 600 PSI. The master intake gauge shall indicate pressure from -30hg to 600 PSI. The gauges shall be Interlube filled pressure gauges and handle pressures from 0 to 400 PSI. The pressure gauge shall be fully filled with pulse and vibration dampening Interlube® to lubricate the internal mechanisms to prevent lens condensation and to ensure proper operation to minus 40 degrees F. To prevent internal freezing and to keep contaminants from entering the gauge, the stem and Bourdon tube shall be filled with low temperature material and be sealed from the water system using an insulating Sub Z diaphragm located in the stem.



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TPG PRESSURE GOVERNOR SYSTEM

The apparatus shall be equipped with the Class1 TPG Pressure Governor System.

The Total Pressure Governor (TPG) is an SAE J1939 Controller Area Network (CAN) device that controls engine speed using data communications directly to the engine ECU or with an analog control signal. By operating on the J1939 network, the governor is able to monitor engine RPM and other pertinent data directly from the engine ECU. Engine information is available directly so that NFPA required instrumentation is delivered through a single unit saving panel space and delivering engine specific warnings as determined by each engine manufacturer. Control algorithms are optimized to take advantage of the J1939 CAN data to yield crisp and accurate control of engine and subsequently pump speed and pressure output. On units with starting with software version 7.xx the Governor when first installed and powered will step through a CAN Auto BAUD rate detection sequence. Once the Governor determines which BAUD rate the CAN bus is running on it will save it to memory. For engines that may not support the data link control, an analog output signal is available to provide precise control of the engine speed and pressure.

The Total Pressure Governor (TPG) comes standard with integrated engine instruments (battery voltage, coolant temperature, oil pressure and engine RPM). It utilizes the J1939 CAN bus for engine control and has an analog throttle output for those engines that do not support CAN control. It has easy-to-read alphanumeric displays and programmable presets. The integrated alarm output provides a warning whenever anything is out of parameters.

TANK LEVEL GAUGE

The apparatus shall be equipped with a Class1 "Intelli-Tank" Tank Level Gauge for indicating water or foam level. The Tank Level Gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/8 of a tank.

Each tank level gauge system shall include:

- 1) A pressure transducer that is mounted on the outside of the tank in an easily accessible area. Sealed foam tanks will require zero pressure vacuum vents.
- 2) A super bright LED 4-light display with a visual indication at nine accurate levels.



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3) A set of weather resistant connectors to connect to the digital display, to the pressure transducer and to the apparatus power.

WATER TANK

The water tank shall have a capacity of 3,000 U.S. Gallons. Certification of the tank capacity shall be recorded on the manufacturer's record of construction and shall be provided to the purchaser upon delivery of the apparatus.

The rear of the tank shall have a water level indicator. A sight tube or electronic indicator shall be acceptable based on the design approved by the tank manufacturer.

POLY TANK CONSTRUCTION

The Poly-Tank shall be constructed of a minimum of 1/2" thick polypropylene sheet stock. **The rear wall of the tanker shall be a minimum of 1" thick.** This will provide a solid surface for mounting steps, lights, handrails, and other requested options. A tank with a rear wall thickness of less than 1" will be cause for immediate rejection. This material shall be a noncorrosive stress relieved thermoplastic, natural in color, and U.V. stabilized for maximum protection.

The tank shall be designed and manufactured with the ability to deliver 100% of the tanks rated capacity from each dump valve while on level ground. Tanks whose total discharge capacity cannot be achieved while on level ground through the side or rear dump valves independent of each other will not be considered.

TANK

The "Wetside" 3,000 Gallon tank shall be of a specific configuration and shall be so designed to be completely independent of the body and compartments. All joints and seams shall be nitrogen or equivalent welded and tested for maximum strength and integrity. The top of the booster tank shall be fitted with removable lifting eyes designed with a 3 to 1 safety factor to facilitate easy removability.



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TANK FINISH

The tank shall be painted single color to match the apparatus chassis.

TANK BAFFLES

The transverse swash partitions shall be manufactured of a minimum of 3/8" polypropylene (natural or black in color) and extend from approximately 4" off the floor to just under the cover. The longitudinal swash partitions shall be constructed of a minimum of 3/8" polypropylene (natural or black in color) and extend to the floor of the tank through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with sufficient vent and air holes to permit sufficient movement of air and water between compartments. The partitions shall also be designed to provide maximum water flow. All swash partitions shall interlock with one another and be welded to each other as well as to the walls of the tank.

TANK SUMP

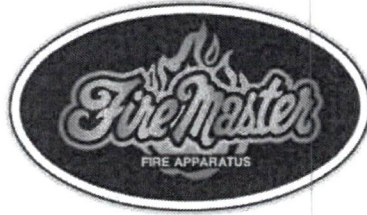
There shall be one (1) sump in the bottom of the water tank. The sump shall be constructed of a minimum of 1/2" polypropylene and shall be located in the left front quarter of the tank unless otherwise specified. On all tanks that require a front suction, a 4" schedule 40 polypropylene pipe shall be installed that will incorporate a dip tube from the front of the tank at or near the sump location. The sump shall be used as a combination clean-out and drain. All tanks shall have an anti-swirl plate located approximately 2" above the sump to pre-vent air from being entrained in the water while pumping.

TANK FILL CONNECTION

All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank and shall be capable of withstanding sustained fill rates of up to 1,000 GPM.

TANK LID

The tank lid shall be constructed of a minimum of 1/2" thick polypropylene to incorporate a multi three-piece locking design which allows for individual removal and inspection if necessary.



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The tank lid shall be recessed 3/8" from the top of the tank and shall be welded to both sides and longitudinal partitions for maximum integrity. Each one of the lids shall have hold downs consisting of 2" polypropylene dowels or baffle tabs spaced a maximum of 30" apart. These dowels and baffle tabs shall extend through the covers and shall assist in keeping the covers rigid under fast filling conditions. A minimum of two lifting dowels shall be drilled and tapped 1/2" x 13" to accommodate the lifting eyes.

TANK MOUNTING

The Poly-Tank shall rest on the body cross members in conjunction with such additional cross members, as required by the tank manufacturer.

The tank shall be isolated from the cross members through the use of 1.5" poly strips. Additionally, the tank shall be supported around the entire perimeter and captured both front and rear as well as side to side to prevent the tank from shifting during vehicle operation.

Although the tank shall be designed on a free-floating suspension principle, it shall be required that the tank have adequate hold down restraints to minimize movement during vehicle operation.

The tank shall be completely removable without disturbing or dismantling the apparatus structure.

WATER TANK FILL TOWER

The tank shall have a combination vent and manual fill tower, marked "Water Fill." The fill tower shall be constructed of 1/2" polypropylene and shall be a minimum dimension of 14" x 14" at the outer perimeter. The tower shall be located in the center of the tank. Fill towers located at the front or rear of the tank shall no be permitted due to the increased chance of spillage during operation which could cause a hazardous environment under certain conditions. The tower shall have a 1/4" thick removable polypropylene screen and a polypropylene hinged-type cover.



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TANK OVERFLOW

The tank shall be equipped with a minimum of a 6" schedule 40 polypropylene overflow / air vent pipe. The pipe shall be installed in the fill tower and extend through the tank and dump to the rear of the rear axle.

HOSEBED

A hosebed with storage dimensions of approximately 210" L x 70" W will be provided.

HOSEBED COVER

A hypalon cover will be provided.

REAR DUMP VALVES

One (1) 10" stainless steel Newton Quick Dump Valve, Model # 1070-34 shall be installed at the rear of the tank. The valve shall be electrically operated from the rear of the apparatus.

A stainless-steel Newton Model # 6021SW-34 180-degree swivel dump chute shall be installed.

The chute shall include a stainless-steel Newton 4036-34 telescopic extension to allow the chute to extend past the body side for dumping.

The water tank design shall include additional support for the chute.

The tank and dump chute shall be installed high enough to dump into a standard thirty (30)" tall dump tank.

REAR DIRECT TANK FILLS

There shall be two (2) external 2.5" direct tank fill ports furnished on the rear of the apparatus, (1) each side. The tank fills shall have 2.5" Akron Brass valves with built-in 30-degree elbow and manual swing type control handles located on each valve. A chrome plug and chain shall be supplied and installed on each valve.



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BODY SUB-STRUCTURE

The body and compartment sub structure shall be an all-welded steel structure and bolted to chassis frame. Ultimate strength shall be accomplished with 1-1/2" x 3" x 3/16" structural channel members extended across chassis frame.

In addition, there shall be 1-1/2" x 3" x 3/16" structural channel connecting the front and rear sub structure transverse members for additional strength and to form a full perimeter base for supporting the booster tank. Hangers and brackets shall be reinforced at all corners with gussets to prevent potential sag and warp over an extended period of fire service operations.

The sub-structure shall be coated with Linex, Rhino Liner, or a polyurethane type of material. Substructures that are just primed and painted shall not be permitted.

The tank frame and compartment sub-assembly shall be supported by using two 4" x 3" structural steel longitudinal support members.

There shall be a minimum of two (2) 1-1/2" x 3" x 3/16" structural steel channel affixed to the sub-assembly for the compartment downriggers. Each compartment shall be supported 3" X 3" steel channel with corner gussets.

A minimum of twelve (12) 3/4" Grade 8 bolts shall attach the compartment sub-assembly to the vehicle chassis.

The tank cradle, compartment sub-assembly shall be continuously welded to form an unprecedented body support system.

BODY CONSTRUCTION

The body compartments shall be fabricated entirely of aluminum extrusions and flat sheet material to offer a superior strength to weight ratio. Each compartment shall be welded on all exterior front seams with MIG spot welds on the rear and interior seams for maximum strength. All major structural mounting bolts shall be grade five type with locking style nuts.

All mounting bolts shall be stainless steel 1/4" with nylon lock nuts for rust prevention and a lasting



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appearance while providing maximum strength. All fasteners shall be easily removed with standard tools. Wherever possible, all fasteners shall have locking style nuts or shall be threaded into panel and locked by an acorn nut, to eliminate loosening fasteners.

All screws that do not have locking nuts shall have threads coated with Loctite. Acorn nuts shall be used throughout the body to prevent the possibility of snags and injuries, including fasteners which protrude into compartments and hosebed.

The entire body shall be painted with the exception of areas where polished aluminum treadplate is utilized. Bodies that are fabricated entirely of polished aluminum treadplate or other non-painted surfaces shall not be permitted due to increased upkeep and the increased chance of corrosion.

SWEEP-OUT CONSTRUCTION

All side body compartments shall have sweep out type floors. All compartments shall be made to the largest practical dimensions to provide maximum storage capacity for fire department equipment. Compartments that are fabricated without a "Sweep Out" design shall be immediately rejected.

ROLL UP DOOR CONSTRUCTION

All doors shall be ROM roll up doors or equal.

COMPARTMENT DOOR FINISH

Compartment roll up doors shall have a satin finish.

REAR FENDERS & FENDERWELLS

Two (2) polished aluminum treadplate style rear fender assemblies shall be included on each side of the vehicle over the wheels of the rear axle.

Two (2) Stainless fenderettes shall be provided and installed around each wheel well.



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RUNNING BOARDS

Running boards shall be fabricated of 3/16" polished aluminum diamond treadplate, supported by the structural steel sub-frame. The running boards when apparatus is fully loaded shall have a maximum ground clearance of 24" when sitting on a level surface. They shall be flanged down to provide added strength and rigidity and to prevent injury while washing the apparatus. All stepping surfaces shall be in compliance with the latest version of all applicable NFPA standards.

REAR TAILBOARD

The rear step shall be constructed of 3/16" polished aluminum diamond treadplate and supported by the structural steel sub-frame. The tailboard when apparatus is fully loaded shall have a maximum ground clearance of 24" when sitting on a level surface. The tailboard shall be flanged down to provide added strength and rigidity and to prevent injury while washing the apparatus. The rear step shall be spaced away from body a minimum of 1/4". The rear step shall be 18" deep and run the entire width of the apparatus. All stepping surfaces shall be in compliance with the latest version of all applicable NFPA standards.

INTERMEDIATE ACCESS PLATFORM

There shall be an intermediate access platform installed at the rear of the apparatus and shall extend the full width of the tank. The platform shall be a minimum of 10" deep and shall be supported by a minimum of six (6) supports and shall be an integral part of the tank assembly. The platform shall be covered in 3/16" polished aluminum diamondnette treadbright aluminum.

The intermediate platform shall be located 18" below the hosebed floor.

ACCESS LADDER

There shall be an access ladder extending from the rear tailboard to the intermediate platform and shall be located at the left-rear area of the apparatus.

HANDRAILS

All handrails used on apparatus shall be 1-1/4" diameter aluminum tube with ribbed rubber



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inserts supported at each end by a chrome plated stanchion. All handrails shall be designed and mounted to reduce the possibility of injury to personnel and equipment. Drain holes shall be provided in the bottom of all vertically mounted assist handles. Handrails shall be installed in the following locations:

Two (2) 24" vertical handrails shall be installed on the left and right side at the rear.

FOLDING TANK STORAGE

A "EZ Load" folding tank rack shall be provided over the right-side compartments. The rack shall be fabricated on top of the right-side compartments. It shall be large enough to transport a 3,100 gallon folding tank.

FOLDING TANK

One (1) 3,000-gallon capacity Husky brand folding tank shall be supplied. The tank shall feature a tubular aluminum frame with 22-ounce vinyl sides and 30-ounce vinyl floor.

BODY COMPARTMENTS

L1: Street Side, forward of axle

Interior Dimensions: 60" W x 27" H x 24" D

Door Opening: 53.5" W x 20" H

L2: Street Side, rearward of axle

Interior Dimensions: 28" W x 27" H x 24" D

Door Opening: 21.5" W x 20" H

R1: Curb Side, forward of axle

Interior Dimensions: 60" W x 27" H x 24" D

Door Opening: 53.5" W x 20" H

R2: Curb Side, rearward of axle

Interior Dimensions: 28" W x 27" H x 24" D

Door Opening: 21.5" W x 20" H



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ELECTRICAL STANDARDS

All electrical equipment shall meet SAE standards. All lighting and reflectors shall meet Federal Motor Vehicle Standards.

The apparatus wiring shall be color and function coded.

The optical warning devices shall be constructed or arranged to avoid the projection of light either directly or through mirrors into any driving or crew compartments.

Illumination shall be provided for controls switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it. Where external illumination is provided, it shall be a minimum of 5 foot-candles on the face of the device. Where external illumination is provided, it shall be a minimum of 4-foot candles.

Hydraulic lines, air system tubing, control cables, and electrical lines shall be clipped to the frame or body structure of the apparatus and shall be furnished with protective heat looms and/or grommets at each point where they pass through body panels or structural members.

All relays and circuit breakers shall be "plug in" type for easy replacement. All components shall be protected against corrosion, heat, vibration, and moisture. The relay panel shall be installed in the cab on the floor, between the seats and have an easily removable, aluminum cover. Relay panels mounted in compartments shall not be permitted due to the increased risk of damage from moisture.

CAB CENTER CONSOLE

A Jotto Desk console tower shall be installed between the driver and officer seats. The tower shall house the following components.

- Door Ajar Indicator
- Whelen Siren Controller with Switches
- One (1) Blank panel for customer installed radio components



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DOT LIGHTING

Two (2) amber and two (2) red side body running lights shall be provided and mounted, one (1) amber and one (1) red on each side. There shall be one (1) amber turn signal light with protective covers furnished and mounted in front of the axle since it is 32.5" long. There shall be five (5) lights located on the rear of the vehicle. Three (3) of the lights shall be in the tailboard area for use as identification lamps. Two (2) lights shall be provided on top of the tank, located as high and wide as possible, one (1) each side, for use as clearance lamps. All required reflectors shall be bolted onto body.

COMPARTMENT LIGHTING

Two (2) LED strip lights shall be provided in Compartments L1 / R1.

One (1) LED strip light shall be provided in Compartment L2 / R2.

DOOR OPEN HAZARD LIGHT

There shall be a flashing red light located on the Jotto Desk in clear view of the driver. This light shall be illuminated automatically whenever any passenger or equipment compartment door is open. The light shall be marked "Do Not Move Apparatus When Light Is On".

LICENSE PLATE LIGHT

A license plate bracket with light shall be provided and installed on the left-hand rear of the body. It shall be wired to come on with the headlights.

UNDERBODY/CAB GROUND LIGHTS

Six (6) Truck-Lite 4" clear ground illumination lights, with outward facing angle brackets shall be provided and installed. Two (2) shall be located under the cab doors, two (2) under the pump module and two (2) shall be located to light the rear tailboard area. The lights shall activate with the parking brake.



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BACK UP CAMERA SYSTEM

One-(1) color camera system shall be installed on the vehicle. The system shall be wired to the vehicles 12-volt electrical system. The color monitor shall be installed in the cab in easy reach of the driver while in the seated position. The color camera shall be installed facing rearward giving a clear and unobstructed view behind the rear of the vehicle. The system shall activate when the transmission is shifted into the reverse position.

The system shall consist of the following components:

- One 7" LCD color monitor
- One color camera with weather and vibration proof housing
- 65' extension cable

EMERGENCY LIGHTING

NFPA-1901 Emergency lighting shall consist of:

CAB UPPER ZONE A WARNING LIGHTS

One (1) Whelen #W-IX2RRRR Liberty II 54" lightbar shall be installed on the cab roof.

LOWER ZONE A WARNING LIGHTS

Two (2) TecNiq K60-RC00 Auto Sync RED LED warning lights with clear lens and chrome K60-1C00-1 bezel shall be mounted on the chassis grille.

LOWER ZONE B/D WARNING LIGHTS

Two (2) TecNiq K60-RC00 Auto Sync RED LED warning lights with clear lens and chrome K60-1C00-1 bezel shall be mounted mid-ship of the body in the area of the rear wheels.

UPPER ZONE B/D WARNING LIGHTS

Two (2) TecNiq K60-RC00 Auto Sync RED LED warning lights with clear lens and chrome K60-



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1C00-1 bezel shall be mounted on the side upper front corners of the tank.

Two (2) TecNiq K60-RC00 Auto Sync RED LED warning lights with clear lens and chrome K60-1C00-1 bezel shall be mounted on the side upper rear corners of the tank.

LOWER ZONE C WARNING LIGHTS

Two (2) TecNiq K60-RC00 Auto Sync RED LED warning lights with clear lens and chrome K60-1C00-1 bezel shall be mounted in the rear quad taillight assemblies on the rear of the apparatus.

UPPER ZONE C WARNING LIGHTS

Two (2) TecNiq K60-RC00 Auto Sync RED LED warning lights with clear lens and chrome K60-1C00-1 bezel shall be mounted, one each side of the upper rear corners of the tank.

STOP/TURN/BACKUP LIGHTS

Two (2) TecNiq K60-A2S0-1 LED steady burn AMBER with arrow mask turn signal light shall be installed in a chrome quad light bezel, one each side of the rear of the body.

Two (2) TecNiq K60-STRO-1 LED steady burn RED rear tail/stop light shall be installed in a chrome quad light bezel, one each side of the rear of the body.

Two (2) TecNiq K60-WUB0-1 LED steady burn CLEAR backup light shall be installed in a chrome quad light bezel, one each side of the rear of the body.

UPPER ZONE B/D SCENE LIGHTS

Two (2) TecNiq K90-SW00-1 12 volt flush mounted LED scene lights shall be mounted on the side upper front corners of the tank.

Two (2) TecNiq K90-SW00-1 12 volt flush mounted LED scene lights shall be mounted on the



3,000 Gallon Pumper / Tanker

side upper rear corners of the tank.

UPPER ZONE C SCENE LIGHTS

Two (2) TecNiq K90-SW00-1 12 volt flush mounted LED scene lights shall be mounted on the rear upper rear corners of the tank.

ELECTRONIC SIREN

One (1) Whelen #W-295SLSA6 siren/control center shall be furnished and installed in the Jotto desk located between the driver and officer seating positions. The hard-wired noise-canceling microphone shall be installed on the Jotto desk within easy reach of the driver or officer. It shall have a two (2) year standard warranty from the manufacturer.

SIREN SPEAKER

There shall be one (1) Whelen #W-SA315P black plastic 100-watt siren speaker furnished and installed in the front bumper.

REFLECTIVE STRIPING

One (1) 6" White Scotchlite stripe on each side, conforming to Federal Specification for Reflectivity, shall be provided down both sides of the cab and body. The reflective stripe shall cover at least at least 50 percent of the cab and body length on each side, at least 50 percent of the width of the rear, and at least 25 percent of the width of the front of the apparatus.

STRIPE, REAR CHEVERON

A minimum of fifty percent of the rear vertical surface of the unit shall be overlaid with a reflective material, installed in an alternating "Chevron" pattern (sloping down and away from the centerline) at a 45-degree angle. Each stripe shall be 6" wide and the colors of stripping shall be in compliance, with the current edition of NFPA 1901.

Color: Red / Yellow



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TOUCH-UP PAINT

A container of touch-up paint will be provided to match the cab color.

HARD SUCTION HOSE

There shall be two (2) 10' x 6" sections of Kocheck PVC flexible suction hose supplied with the apparatus. Lightweight aluminum couplings shall be provided on the suction hose. A long handle female swivel shall be provided on one end and a rocker lug male shall be provided for the other end.

The suction hose shall be mounted on left side of body.

SUCTION STRAINER

One (1) 6" Barrel strainer shall be provided.

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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-29M	M2 PRL-29M (EFF:MY26 ORDERS)		
Data Version			
DRL-011	SPECPRO21 DATA RELEASE VER 011		
Vehicle Configuration			
001-172	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450
004-226	2026 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-004	STRAIGHT TRUCK PROVISION, NON-TOWING		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
99D-020	EPA EMISSIONS CERTIFICATION FOR 50 STATE REGISTRATION - CARB EXEMPT, FIRE, EMERGENCY AND MILITARY VEHICLES ONLY (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)		
AF2-998	NONE		
A85-020	FIRE SERVICE		
A84-1EV	EMERGENCY VEHICLES BUSINESS SEGMENT		
AA4-002	LIQUID 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		

Application Version 12.0.009
 Data Version PRL-29M.011
 2026MY tandem



09/30/2024 9:13 AM

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Data Code	Description	Weight Front	Weight Rear
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 56000.0 lbs		
Truck Service			
AA3-027	FIRE TANK/PUMPER - MAIN DRIVELINE DRIVEN SPLIT-SHAFT PTO/PUMP		
AF3-504	FIREMASTER FIRE APPARATUS		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-3B0	CUM L9 360EV HP @ 2200 RPM, 2200 GOV RPM, 1150 LB-FT @ 1200 RPM, R/F/E	640	30
Electronic Parameters			
79A-065	65 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-009	PTO MODE ENGINE RPM LIMIT - 1200 RPM		
79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-001	PTO GOVERNOR RAMP RATE - 25 RPM PER SECOND		
79W-001	ONE REMOTE PTO SPEED		
79X-003	PTO SPEED 1 SETTING - 800 RPM		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
80S-019	PTO 1, WITH SWITCH, TEM SUPPLIED REQUEST AND INTERLOCKS, WITH PTO CONNECTIONS, STATIONARY INTERLOCKS		
Engine Equipment			
99C-024	EPA 2010/GHG 2024 CONFIGURATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-1BX	SIDE OF HOOD AIR INTAKE WITH NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT DONALDSON AIR CLEANER		



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Data Code	Description	Weight Front	Weight Rear
124-1E7	DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE	10	
292-235	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	NON-ESSENTIAL POSITIVE LOAD DISCONNECT, IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT	2	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-039	GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING		
128-032	C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
016-1DC	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES	10	5
28F-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-022	RH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES	20	20
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		



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Data Code	Description	Weight Front	Weight Rear
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-998	NO MUFFLER/TAILOPIPE SHIELD	-10	
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
120-998	NO COOLANT FILTER	-10	
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	70	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-007	GATES POWERGRIP SHRINK BAND HOSE CLAMPS WHERE POSSIBLE		
270-008	AUXILIARY ENGINE COOLING USING WATER FROM FIRE PUMP		
168-002	LOWER RADIATOR GUARD		
138-031	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER WITH THERMOSTAT	4	
140-038	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR WITH CURRENT SENSOR LIGHT		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
342-1KD	ALLISON 3000 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
Transmission Equipment			
343-331	ALLISON VOCATIONAL PACKAGE 198 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL EVS		
84B-003	ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE APPLICATIONS AVAILABLE WITH ALL 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		



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Data Code	Description	Weight Front	Weight Rear
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		
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84N-005	FUEL SENSE 2.0 PLUS - DYNACTIVE: BALANCED (W/DSS), NEUTRAL AT STOP: ACTIVE		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
84M-001	PUMP MODE INPUT ENABLED 3RD/4TH LOCKUP WIRED ON TCM INPUT AJ/BQ - ALLISON 5TH GEN TRANSMISSIONS		
353-074	QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-823	CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
363-002	PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION ALLISON & EATON FULLER		
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)		



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Data Code	Description	Weight Front	Weight Rear
Front Axle and Equipment			
400-1A9	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190	
402-1A3	MERITOR EX-H AIR DISC FRONT BRAKES		
403-026	FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING		
419-004	FRONT DISC BRAKE ROTORS		
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		
405-030	FRONT AIR DISC BRAKE INTERNAL ADJUSTERS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-001	MINERAL SAE 80/90 FRONT AXLE LUBE		
Front Suspension			
620-026	16,000# TAPERLEAF FRONT SUSPENSION	200	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-1K3	MERITOR MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE		2,500
421-529	5.29 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-074	MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	25	25
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
878-045	(1) INTERAXLE LOCK VALVE FOR TANDEM DRIVE AXLES		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-025	FIRE AND EMERGENCY SEVERE SERVICE NON- ASBESTOS REAR BRAKE LINING		



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Data Code	Description	Weight Front	Weight Rear
434-012	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS		-20
440-006	REAR OIL SEALS		
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS		20
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension			
622-006	40,000# 4-SPRING FLAT LEAF REAR SUSPENSION		670
621-005	SPRING SUSPENSION - 2.00 INCH AXLE SPACER		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
624-011	52 INCH AXLE SPACING		
623-001	HEAVY DUTY FORE/AFT CONTROL RODS		
439-002	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)		80
Pusher / Tag Equipment			
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS		
Brake System			
018-002	AIR BRAKE PACKAGE		
490-1AV	WABCO 6S/6M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH		
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		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-012	AIR DRYER MOUNTED UNDER HOOD		
460-001	STEEL AIR BRAKE RESERVOIRS		



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Data Code	Description	Weight Front	Weight Rear
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
Trailer Connections			
481-998	NO TRAILER AIR HOSE		
476-998	NO AIR HOSE HANGER		
310-998	NO TRAILER ELECTRICAL CABLE		
Wheelbase & Frame			
545-610	6100MM (240 INCH) WHEELBASE		
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	310	120
547-001	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	180	400
552-071	2800MM (110 INCH) REAR FRAME OVERHANG		
55W-010	FRAME OVERHANG RANGE: 101 INCH TO 110 INCH	-90	380
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 174.61 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 171.61 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 379.75 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 118.51 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 120.61 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 0.0 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-055	STANDARD MIDSHIP #1 CROSSMEMBER(S); FIRST MIDSHIP MOUNTED 36.0 INCHES BACK OF CAB		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
556-1AR	THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS	30	
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	



Prepared for:
 Scott Shelton
 Firemaster Fire Apparatus Inc
 2049 E Division

Springfield, MO 65803
 Phone: 417-865-8713

Prepared by:
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 PREMIER TRUCK GROUP OF
 SPRINGFIELD
 3020 E. DIVISION ST
 SPRINGFIELD, MO 65802
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Data Code	Description	Weight Front	Weight Rear
574-011	SINGLE LICENSE PLATE BUMPER MOUNTING ON LH SIDE		
585-998	NO MUDFLAP BRACKETS		
590-998	NO REAR MUDFLAPS		
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-002	EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE		
605-003	LEVEL FRAME RAILS (+/- 1%) WHEN CHASSIS IS LOADED TO FRONT AND REAR SUSPENSION RATINGS		
970-039	TANK BODY 1501 TO 3000 GALLONS		
607-007	CLEAR FRAME RAILS 36 INCHES FROM BACK OF CAB INSIDE/OUTBOARD/BELOW BOTH FRAME RAILS		
Fifth Wheel			
578-998	NO FIFTH WHEEL		
Fuel Tanks			
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H4	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
093-1YU	CONTINENTAL HAU 3 WT 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-14V	CONTINENTAL HDL3 LTL 11R22.5 14 PLY RADIAL REAR TIRES		120
Hubs			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		



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Data Code	Description	Weight Front	Weight Rear
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	
505-766	ALCOA ULA18X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-248
524-001	POLISHED FRONT WHEELS; OUTSIDE ONLY		
525-001	POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY		
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTING		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
678-018	LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT		
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
652-001	FREIGHTLINER NAME PLATES		
690-002	TUNNEL/FIREWALL LINER		
727-1B1	DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS WITH DUAL LANYARDS	8	
726-002	DUAL ELECTRIC HORNS		
728-002	DUAL HORN SHIELDS		
575-998	NO REAR LICENSE PLATE MOUNT		
312-088	LED HEADLIGHT ASSEMBLY AND INCANDESCENT MARKER/TURN LAMP WITH CHROME BEZEL		
302-047	LED AERODYNAMIC MARKER LIGHTS		
311-019	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS		
294-046	OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING WITH SEPARATE STOP/TURN WIRES TO 4 FEET BEYOND END OF FRAME		-5
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
469-014	AUTOMATIC ON/OFF, ENGINE COMPARTMENT, HOOD ACTIVATED WORK LIGHT WITH MANUAL OVERRIDE	1	



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Data Code	Description	Weight Front	Weight Rear
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		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
677-016	DUAL LEVEL CAB ENTRY STEPS ON BOTH SIDES		
275-061	PARK BRAKE REMINDER WARNING SYSTEM		
768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
055-017	PROFESSIONAL TRIM PACKAGE		
707-105	MIST AND CARBON CLOTH INTERIOR "PROFESSIONAL"		
70K-016	CARBON WITH BASE BLACK ACCENT		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-026	(1)DASH MOUNTED 12V POWER OUTLET, (1)DASH MOUNTED DUAL USB-C OUTLET		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-029	M2/SD DASH		
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		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		



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Data Code	Description	Weight Front	Weight Rear
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-1B2	PREMIUM LED CAB LIGHTING		
787-998	NO SECURITY DEVICE		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-002	KEY QUANTITY OF 2		
655-028	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION		
740-998	NO MATTRESS	-20	-15
756-1E7	SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION DRIVER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	50	
760-1E7	SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	40	15
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		
763-105	NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

106-002	ELECTRONIC ACCELERATOR CONTROL		
732-998	NO INSTRUMENT PANEL-DRIVER		
734-023	CONFIGURABLE LOWER PANEL WITH INTEGRATED UPPER STORAGE		
87L-003	ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		



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Data Code	Description	Weight Front	Weight Rear
838-001	(1) PNEUMATIC SINGLE BRAKE APPLICATION AIR GAUGE		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
721-003	87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3
149-036	CRUISE CONTROL STEERING WHEEL MOUNTED WITH DISENGAGE WITH WIPERS ON		
156-020	IGNITION SWITCH WITH NON REMOVABLE KEY		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
48H-003	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS		
48C-003	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH CAP		
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
736-998	NO OBSTACLE DETECTION SYSTEM		
72J-998	NO DR ASSIST SYSTEM		
49B-004	ELECTRONIC STABILITY CONTROL		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-998	NO OVERHEAD INSTRUMENT PANEL		



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Data Code	Description	Weight Front	Weight Rear
35M-010	1 QUICKFIT PROGRAMABLE MODULE (QPM/XMC)	10	
786-119	NFPA VEHICLE DATA RECORDER AND SEATBELT DISPLAY		
746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939		
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-998	NO AM/FM RADIO ANTENNA		
749-998	NO CB RADIO MOUNTING PROVISION		
75W-002	SHARKFIN MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, SDAR/SIRIUSXM, GNSS/GPS		
78C-998	NO DIGITAL SATELLITE AUDIO RECEIVER ANTENNA		
74D-006	STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE CTP3		
8D1-313	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES		
8DE-998	NO ASE DATA SVCE EXTENSION		
6TS-008	(2) TMC RP1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL (1) CENTER OF OVERHEAD CONSOLE		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
81Y-006	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS AND SERVICE BRAKES		
264-032	(2) OVERHEAD MOUNTED LANYARD CONTROLS: (1) OFFICER AIR HORN AND (1) DRIVER AIR HORN		
883-998	NO TRAILER HAND CONTROL BRAKE VALVE		
842-006	DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		



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Data Code	Description	Weight Front	Weight Rear
660-025	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY WHEN PARK BRAKE SET, TRANSITION TO SLOWEST SPEED		
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
882-018	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		

Design

065-000	PAINT: ONE SOLID COLOR		
---------	------------------------	--	--

Color

980-3WB	CAB COLOR A: L6572EY SIMON RED ELITE EY		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
963-003	STANDARD E COAT/UNDERCOATING		

Certification / Compliance

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

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight*	7818 lbs	7610 lbs	15428 lbs
Total Weight*	7818 lbs	7610 lbs	15428 lbs

(+) Weights shown are estimates only.

Application Version 12.0.009
 Data Version PRL-29M.011
 2026MY tandem



09/30/2024 9:13 AM

Page 15 of 18

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If weight is critical, contact Customer Application Engineering.

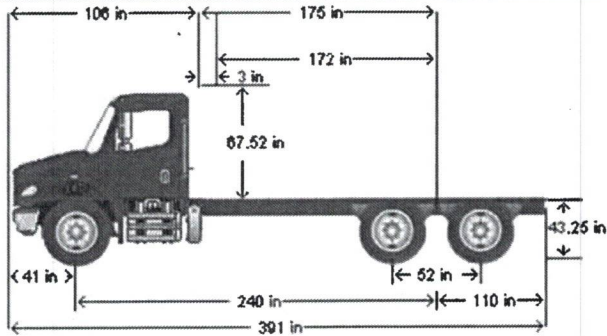
(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	6100MM (240 INCH) WHEELBASE
Rear Frame Overhang (552)	2800MM (110 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)	106 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 HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES



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TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Front Axle to Back of Cab (AC)	65.6
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	174.6
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	171.6
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	284.8
Cab Height (CH)	67.5
Wheelbase (WB)	240.2
Frame Overhang (OH)	110.2
Overall Frame Length	379.7
Overall Length (OAL)	391.1
Rear Axle Spacing	52.0
Unladen Frame Height at Centerline of Rear Axle	43.2

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



Fire Master Tanker Options Pricing / Change Order Form

Date: September 12, 2024
Dealer: Fire Master Fire Equipment, Inc.
Sales Rep: Steve Loftin
Customer: Porum Fire Department



Truck Type: 3,000
Pump Type: Qflo

WT: TBD

	Quantity	Description	A / D	Each	Extended
1	1	Battery / Air Charger - Kussmaul Pump Plus 1200	ADD	\$3,009.00	\$3,009.00
2	1	Receptacle - 20 amp Kussmaul Super Auto Eject	ADD	\$688.00	\$688.00
3	1	Cover - Super Auto Eject Yellow	ADD	\$616.00	\$616.00
4	1	12 Volt Dual USB Charging Port - Console	ADD	\$162.00	\$162.00
5	1	12 Volt Power Outlet - Console	ADD	\$213.00	\$213.00
6	1	12 Volt Power Circuit for Ipad	ADD	\$213.00	\$213.00
7	2	Radio Antenna	ADD	\$250.00	\$500.00
8	2	Power - Mobile Radio Console Mounted	ADD	\$435.00	\$870.00
9	1	Activation Switch - Additional, Cab Console	ADD	\$275.00	\$275.00
10	1	Auxiliary Tank Level Lights - Large, Side of Pump Module	ADD	\$1,932.00	\$1,932.00
11	1	Auxiliary Tank Level Lights - Large, Right Rear of Body	ADD	\$1,100.00	\$1,100.00
12	1	Booster Reel - Dunnage, Left Side	ADD	\$6,043.00	\$6,043.00
13	1	Booster Hose - 100' X 1"	ADD	\$1,035.00	\$1,035.00
14	1	Protek Style 361 1" Nozzle	ADD	\$465.00	\$465.00
15	1	Spare Bottle Storage - Single, Left Side Front	ADD	\$842.00	\$842.00
16	1	Spare Bottle Storage - Single, Right Side Front	ADD	\$842.00	\$842.00
17	1	Spare Bottle Storage - Single, Left Side Rear	ADD	\$842.00	\$842.00
18	1	Spare Bottle Storage - Single Right Side Rear	ADD	\$842.00	\$842.00
19	1	Adjustable Shelf	ADD	\$910.00	\$910.00
20	1	Ladder Storage - Side of Tank, Right Side	ADD	\$2,200.00	\$2,200.00
21	1	Ladders - (1) 24' Extension / (1) 14' Roof / (1) 10' Attic	ADD	\$3,548.00	\$3,548.00
22	2	Pike Pole Tube - Top of Body, Left Side	ADD	\$344.00	\$688.00
23	1	6' Pike Pole	ADD	\$87.95	\$87.95
24	1	8' Pike Pole	ADD	\$98.75	\$98.75
25	1	Contingency Fund	ADD	\$2,500.00	\$2,500.00
26	1	NCSA Contract (3/4 of 1% of total contract)	ADD	\$3,204.00	\$3,204.00
27					\$0.00
28					\$0.00
29					\$0.00
				Sub Total:	\$33,725.70

Base Price:	\$396,601.00
Options:	\$33,725.70
TOTAL:	\$430,326.70

Fire Master Tanker Options Pricing / Change Order Form

Department Signature

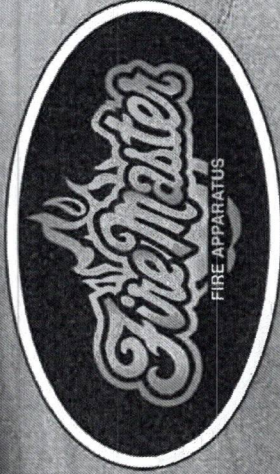
Date

Dealer Signature

Date

Fire Master Fire Equipment, Inc.

Date



Similar Unit Shown

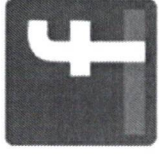
3,000 GALLON PUMPER TANKER

Fire Master Fire Equipment, Inc.
2049 E. Division St.
Springfield, MO 65803
1-800-641-4724

www.firemaster.com



Fire Master Fire Equipment, Inc.
 2049 E. Division St.
 Springfield, MO 65803
 1-800-641-4724



3,000 GALLON STANDARD FEATURES

FREIGHTLINER M2 CHASSIS

- ✓ Cummins L9 350 HP Diesel Engine
- ✓ Allison 3000EVS Automatic Transmission
- ✓ 56,000 #GVWR
- ✓ Aluminum Wheels
- ✓ 275 Amp Alternator
- ✓ Engine Exhaust Brake
- ✓ Air Ride Driver Seat
- ✓ Tilt Steering Column
- ✓ Power Windows
- ✓ AM/FM WB Radio
- ✓ Dual Air Horns
- ✓ Air-Conditioned Cab
- ✓ Aluminum Extrusion Body Construction
- ✓ ROM Roll up doors

PUMP AND PLUMBING

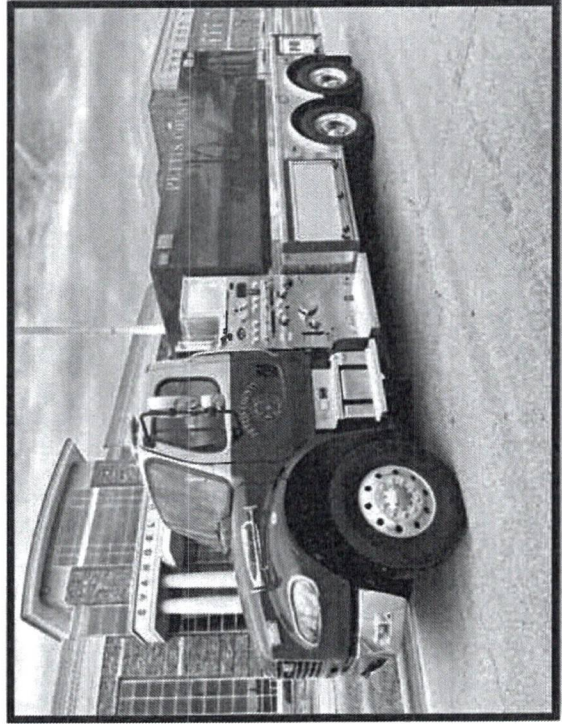
- ✓ Hale 1,250 GPM Pump w/ 5 Year Warranty
- ✓ (2) 2.5" Discharges on Left Side Panel
- ✓ (2) 2.5" Discharges on Right Side Panel
- ✓ (2) 1.75" Crosslays each to hold 200' of 1.75" hose
- ✓ (1) 3" Deck Gun Plumbing
- ✓ (1) 3" Tank to Pump Line
- ✓ (2) 6" Pump Inlets (Suctions) One on Each Side
- ✓ (1) 2.5" Plumbed Suction/Intake on Drivers Side Pump Panel
- ✓ 3,000 Gallon Poly-Tank w/ Lifetime Warranty
- ✓ (1) Tank Level Gauge on Pump Panel
- ✓ Newton 10" Stainless Rear Dump Valve w/ Swivel Elbow & Extension
- ✓ (2) 2.5" Rear Direct Tank Fills w/ Akron Valves

LIGHTING/ELECTRICAL

- ✓ LED Compartment Lights
- ✓ LED Light Bar & LED Perimeter Lighting
- ✓ Electronic Siren w/ 100-Watt Speaker
- ✓ (6) LED Scene Lights – (2) Rear, (2) Right Side & (2) Left Side of Body
- ✓ LED Chassis Tail / Brake & Back Up Lighting

ADDITIONAL EQUIPMENT

- ✓ EZ load Folding Tank Storage above Right Side Compartments
- ✓ (1) 3,000 Gallon Portable Tank
- ✓ (2) 10' Sections of 6" Lite Weight Suction Hose & Strainer
- ✓ Lettering and Reflective Striping



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