

DO NOT INVOICE THIS ADDRESS

City and County of Denver
 Purchasing Division
 201 W. Colfax Ave Dept. 304
 Denver, CO 80202
 United States of America
 Ph: 720-913-8100 Fax: 720-913-8101



Purchase Order Number	PO-00173203
Purchase Order Date	Oct 7, 2025
Contract ID	
Payment Terms	Net 30
Payment Type	Check
Buyer	Tim Marquez

Supplier
DAWSON INFRASTRUCTURE SOLUTIONS LLC 11780 FAIRPLAY ST BRIGHTON, CO 80603 United States of America Ph: (303) 6328236

Ship-To: Please note: review the additional notes section below for some more specific agency contact information. 5440 Roslyn St Denver, CO 80216 United States of America Donnie Cruz
--

Bill To
Bill To Same As Ship To Denver, CO 80202 United States of America Benjamin Whitney

Currency	Total Lines Amount	Tax Exempt	Total PO Amount
USD	\$549,983.18	98-02890-0000	\$549,983.18
Shipping Terms	Shipping Method	Shipping Instructions	
FOB Destination	Common Carrier		

Goods Lines								
Line Number	Item Name	Supplier Item Identifier	Description	Due Date	Unit of Measure	Quantity	Unit Price	Line Amount
1			RamVac HX-12 Sewer Truck Ref#25-007 to Replace D3916, Quote# Q22511, Sourcewell Contract #101221		Each	1	\$549,983.18	\$549,983.18

Vendor to fill in and submit attached Exhibit "Vehicle Check-In".

Delivery will NOT be considered complete without the Vehicle Check-In form and payment will not be remitted.

Agency Contact: Donnie Cruz 720-337-1197 donnie.cruz@denvergov.org

Vendor Contact: Monty Hill 303-632-8326 monty@dawsonis.com

Delivery: Monday through Friday between 8:00 am and 1:00 pm by appointment

Location:

City and County of Denver
Fleet Management
5440 Roslyn Street, Building C
Denver, CO 80216
Coordinate Delivery: (720) 865-3900

Title to Read:

City and County of Denver
201 West Colfax Avenue Dept 304
Denver, CO 80202

Documents to be Provided Upon Delivery:

Application for Title, State of Colorado

Odometer/Hours Statement
Vehicle Reference

REFER TO VENDOR QUOTE Q22666 DATED 10/3/25 FOR SERVICE DESCRIPTION AND PRICING ONLY.

Ref#25-007 to Replace D3916

REFER TO EXHIBIT "A" FOR SERVICE DESCRIPTION AND PRICING ONLY.

VENDOR: You must contact the agency contact listed above to confirm this order.

Purchase Order price listed herein includes all shipping and handling.

All invoicing must match the purchase order exactly and contain the purchase order number.

All invoices must be sent directly to the bill to address listed on the purchase order, this address may be different than the ship to address. Changes to this purchase are not valid without prior approval from purchasing.

For additional questions regarding this purchase order, contact the Agency Contact listed above on the purchase order

ALL INVOICING AND CORRESPONDENCE MUST CONTAIN THE PURCHASE ORDER NUMBER IN FULL .

Please include Vehicle Reference Numbers and PO Number on invoices

Purchase pursuant to DRMC 20-64.5. The terms and conditions herein supersede and replace all terms and conditions of Sourcwell Contract #101221-SCA

3.26(e)-This Purchase Order is contingent on Council approval and is void without such action.

Michael
Romero

Digitally signed by
Michael Romero

Authorized By

By accepting this Purchase Order you agree to the Terms and Conditions of the General Services Purchasing Division.
Follow the URL provided to the Purchase Order Terms and Conditions –
<https://denvergov.org/Government/Agencies-Departments-Offices/Agencies-Departments-Offices-Directory/General-Services/Purchasing-Division/Terms-and-Conditions>

DAWSON

INFRASTRUCTURE SOLUTIONS

Experts in Environmental & Inspection Equipment Solutions

Dawson Infrastructure Solutions

(303) 632-8236
dawsonis.com

Estimate

Date 10/3/2025
Estimate # Q22666
Expires 11/2/2025
Terms Net 30
Shipping Method Best Way
Sales Order #

25-007 Sourcewell Contract #101221 SCA

Bill To

Donnie Cruz
 Denver, City & County, Wastewater
 5440 Roslyn Street
 Denver CO 80216
 United States

Qty	Description	Rate	Amount
	25-007		
1	RamVac HX-12 Truck Mounted Hydro Excavator mounted on a Western Star 47X 450HP	453,794.00	453,794.00
1	Discount per Sourcewell Contract #101221 SCA and City of Denver Sourcewell Account # 2076	(13,613.82)	(13,613.82)
	One-time courtesy discount provided by DawsonIS for demonstration unit WO#101894 , Western Star Vin#5KKMBPDV0SLVL2603	(48,325.00)	(48,325.00)
1	Western Star 47X 450HP *Chassis pricing is Pass Thru per Sewer Equipment Sourcewell Contract RFP # 101221 Page 27, Questions 59-61 Included 5 year extended warranty Unlimited engine hours, unlimited miles, and zero deductible. *Does not include normal wear and tear items such as belts, hoses, tires, brake pads and rotors, body panels, glass and normal maintenance.	158,128.00	158,128.00

Subtotal 549,983.18
Shipping Cost (Best Way) 0.00
Total \$549,983.18



Q22666



DAWSON

INFRASTRUCTURE SOLUTIONS
Experts in Environmental & Inspection Equipment Solutions



HX-12 Hydroexcavator

Water System:

1300 gal Duraprolene tank capacity
Hydraulic Powered Water Pump Via Transmission PTO Drive (0 - 10 gpm @ 3000 psi)
Water Pressure Display
400,000 BTU Water Heater
2.5" Hydrant Fill system w/ 25' hose
Air Purge Valve, Recirculation System and Wash Station
75' of 3/8" Hose w/ retractable reel

Electrical:

NEMA 4 Control Panel
Wireless Remote Control
Hour Meter

Compartment:

Steel shroud encloses all water components
80,000 BTU Compartment Heater
Roll Up Doors
Heated Equipment Locker

Vacuum System:

4400 CFM Blower
8" Vacuum Hose system
18" HG vacuum rating
Cyclone Separator
Heavy Duty Final Filter Box
Vacuum Enhancer
Directional Discharge System
Hydrostatic Blower Drive via rear mount chassis engine pump drive

Boom:

Powered boom
330° Working Radius
Boom Reach - 18' extendable to 23'
(2) Boom Mounted Work Lights

Truck:

Mounting to approved chassis
Alum Toolbox 18"x18"x30" Driver Side
Mud flaps, Bumper
LED D.O.T. approved lighting

Debris Tank:

12 cubic yards (2500 gl) Debris Tank
Hydraulic Dump, 50° Dump Angle (Cylinder)
Debris Level Indicator
Debris Tank Flush
Fold Down Pipe Rack
Hydraulic Powered Open/Close Rear Door

Accessories:

(4) 8" x 6' Extension Tubes
(5) Quick Clamps 8"
(1) 8" x 6' Digging Tube Kit, Wand, Digging, Hydro-Ex Truck
Wand, Digging, Hydro-Ex Truck
Washdown Gun Kit & Nozzle
(1) Hydrant Wrench
25' Fill Hose
(1) Paper Owner's Manual

ENCLOSURE AND TOOL TRAYS:

	QTY		
UPGRADE TO ALUMINUM SHROUD	1		included
POLAR PACK INSULATION SYSTEM	1		included

WATER SYSTEM ATTACHMENTS:

WINTERIZATION SYSTEM (Includes 10 gallon antifreeze tank)	1		included
2" WYE-STRAINER ON INLET FILL SYSTEM	1		included
UPGRADE WATER PUMP TO 18GPM @ 3,000PSI PLUNGER STYLE TRIPLEX WATER PUMP W/ 30 MINUTE RUN DRY CAPABILITY	1		included
800,000 BTU WATER HEATER RATED 20GPM @ SYSTEM PRESSURE	1		included
DUAL OPERATOR STATION (Includes second reel w/ 75' x 3/8" hose, complete set of digging wands, and extensions)	1		included

VACUUM OPTIONS:

Vacuum Breaker Option (4400 CFM blower only)	1		included
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DEBRIS BOX & BOOM:

CENTRAL LUBRICATION SYSTEM	1		included
DEBRIS BODY VIBRATOR SYSTEM (12V electric switch near dump controls)	1		included
DEBRIS LIQUID LEVEL AUDIBLE ALARM (Level set point is adjustable.)	1		included

ELECTRICAL & LIGHTING:

GROUNDING REEL & SPIKE (75')		1	included
LED BODY MOUNTED WORK LIGHTS (2 lights mounted on shroud)		1	included
LED REAR MOUNTED WORK LIGHTS (2 lights mounted above rear door)		1	included
LED STROBE LIGHT PACKAGE (6 lights total - 2 lights in grill, 1 light right side, 1 light left side, and 2 lights on rear)		1	included
PREMIUM STROBE LIGHT PACKAGE (12 lights total)		1	included
CHASSIS:			
AIR PURGE SYSTEM (powered via chassis air system)		1	included
REAR BACKUP CAMERA W/ 7" COLOR MONITOR MOUNTED IN CAB		1	included
SIX 28" D.O.T. SAFETY CONES AND HOLDER		1	included
MANUALS & TRAINING:			
USB OPERATOR'S MANUAL		1	included
TRAINING AT CUSTOMER'S LOCATION (1 day)		1	included
5 Sets of Keys		1	included
SIGNATURE		DATE	

RAMVAC

by SEWER EQUIPMENT

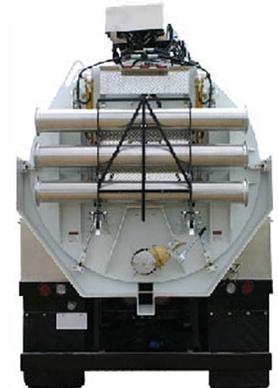


HX TRUCK SERIES



HX TRUCK SERIES

The RAMVAC truck-mounted vacuum excavator is built from the ground up to be the safest, simplest and most maneuverable vacuum excavator on the market. When RAMVAC engineers began designing the HX truck mounted series, they called on end users like you to help them understand what is important in the field and on the road.



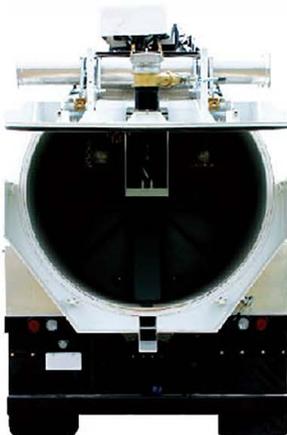
RAMVAC understands that operators need a truck that can be easily maintained in the field with parts that are locally available. The trucks in the HX series are made with easily understood electrical systems and do not rely on complex computer systems. Owners are looking for a competitive advantage and RAMVAC offers trucks with better fuel economy and more reliable drive systems.

RAMVAC HX truck series come equipped with many exclusive features that set it apart from its competition. The exclusive temperature controlled environmental chamber protects against water system freezing. This allows you to utilize the truck in all climates, whether it be in an oilfield in South Texas or in the Canadian Tar Sands. This enclosure also provides security for all components inside the chamber. The design of the RAMVAC HX series ensures one of the smallest footprints in the industry, allowing operators to maneuver in and out of areas that competitor trucks cannot.

The air filtration system is another key to RAMVAC's industry leading performance. Its design delivers high performance air movement and maximum blower protection. RAMVAC's standard Dig Deep boom increases operator productivity by providing the ability to dig 13 feet below grade utilizing one standard vacuum tube.

With a number of available options, the RAMVAC HX series can be customized to meet the needs of any operator. RAMVAC's HX series trucks are available with 3,000 to 5,400 CFM blowers, 6" and 8" systems, 3 yard to 15 yard debris tanks and transfer case or hydrostatic drive. RAMVAC's Central Lubrication System and additional available 800,000 BTU water heater are features that set RAMVAC apart from the competition while helping operators get the job done right the first time.

Our goal is to build a truck for you, that not only meets your needs, but exceeds your expectations. RAMVAC puts operator safety and simplicity at the top of the list and is committed to building machines of the highest caliber to ensure the quality performance you require to reduce down time and keep you profitable.





RAMVAC's boom features a 5' extension for a total reach up to 26' from the truck. Worm gear driven, with access to the receiver box, and a abrasion-resistant steel at the back to absorb the impact from bulk material. RAMVAC's standard "dig deep" boom provides operators the ability to dig 13 feet below grade utilizing one standard vacuum tube.



The Temperature Controlled Environmental Chamber is a RAMVAC Exclusive feature. The entire water system is enclosed in this insulated, heated compartment. From the moment the water enters the top of the tanks until the moment it leaves the hose reel, every component from tank to pump are heated by our 80,000 BTU heater.



RAMVAC HX trucks come standard with locking differentials and power diverters to help you get out of the most difficult terrain. Its design ensures one of the smallest footprints in the industry, allowing you to get into those tight spots where other hydro excavators will not fit.



RAMVAC features a NEMA 4 electrical system, including a dust and water resistant control panel, rubber booted and o-ringed controls, loomed wiring, sealed automotive style connections and junctions, as well as a common electrical ground.



RAMVAC Hydro Excavator's drive system includes fail safes that other manufacturers do not. The truck series is equipped with independent drive systems for the blower, the water system and auxiliary hydraulics to ensure less wear and tear, as well as system separation.



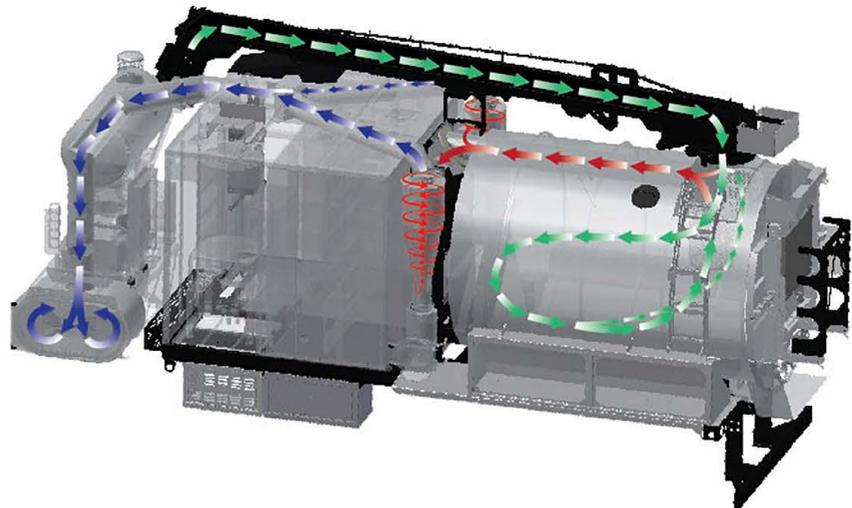
RAMVAC Air System

The RAMVAC Air System is the secret behind our industry leading performance. The RAMVAC Air System is designed to deliver industry leading air movement, while providing the maximum protection for your blower.

The first stage in the RAMVAC Air System is air flow through the boom. The material will impact the back of the receiver box and start to drop into the tank. As the material enters the tank, it is directed toward the front of the tank to provide for even distribution. The air entering the tank along with the material is routed from the single 8" entry point to dual 8" exit points located at each side of the entry. Thus slowing down the air flow and improving material separation.

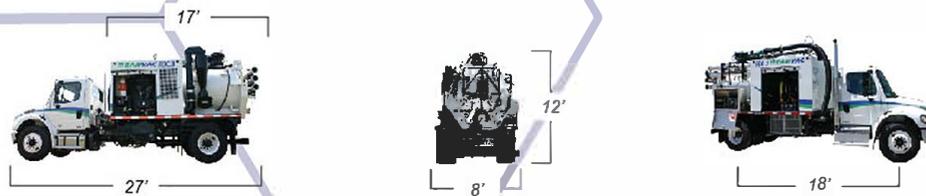
The second stage of the RAMVAC Air System takes the air from the tank and routes it into our cyclone filters. At this point the cyclonic action of these filters propels any remaining material to the side walls of the filters and then down in to an easily maintained collection box.

In the third stage of the RAMVAC Air System, the air moves from the cyclone filter into the dual 10 micron final filters. These washable filters will capture any fine particles remaining in the air stream before allowing the air to pass through the positive displacement blower.

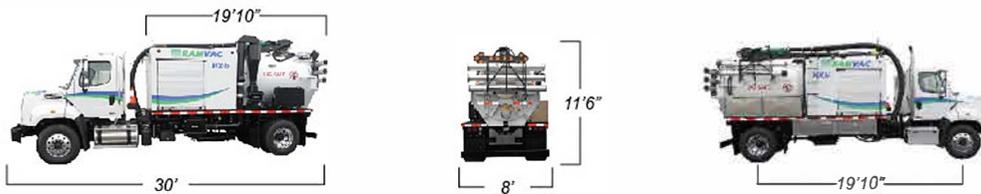


BEST PRODUCTS, BEST LOCAL SUPPORT

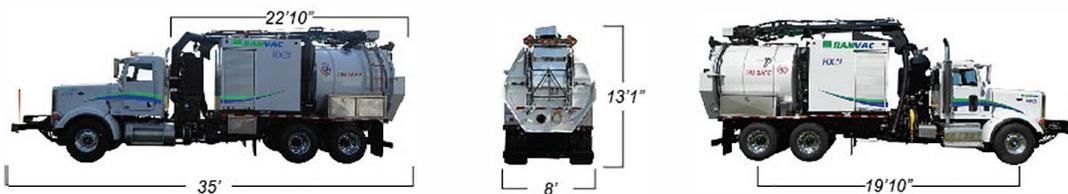
434 E 56th Ave Denver, Co
80216 (303) 632-8236
www.dawsonis.com



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT EMPTY	GVWR	BOOM REACH	CAPACITY	MIN HP	AXLE CONFIGURATIONS
HX3	27'	8'	12'	23,800lbs.	33,000lbs.	11'-16'	3yd	300hp	Single or Tandem Axle



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT EMPTY	GVWR	BOOM REACH	CAPACITY	MIN HP	AXLE CONFIGURATIONS
HX6	30'	8'	12'	27,040lbs.	39,000lbs.	13'-18'	6yd	300hp	Single or Tandem Axle



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT EMPTY	GVWR	BOOM REACH	CAPACITY	MIN HP	AXLE CONFIGURATIONS
HX9	35'	8'	13'1"	38,300lbs.	66,000lbs.	15'-20'	9yd	425hp	Tandem, Pusher, or Tri Axle



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT EMPTY	GVWR	BOOM Reach	CAPACITY	MIN HP	AXLE CONFIGURATIONS
HX12	38'	8'	13'1"	43,030lbs.	79,200lbs.	18'-23'	12yd	425hp	Tandem, Pusher, or Tri Axle



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT EMPTY	GVWR	BOOM Reach	CAPACITY	MIN HP	AXLE CONFIGURATIONS
HX15	40'	8'6"	13'1"	46,500lbs.	88,000lbs.	21'-26'	15yd	425hp	Tri Axle

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HX-3 HX-6 HX-9 HX-12 HX-15

Temperature Controlled Environmental Chamber					
Steel Construction	S	S	S	S	S
Aluminum Construction	O	O	O	O	O
Insulation System	O	O	O	O	O
"Polar Pack" Insulation System	O	O	O	O	O
80,000 BTU Heater	S	S	S	S	S
Heated Equipment Locker	S	S	S	S	S
Boom Assembly					
6-Way Hydraulic Assist	S	S	S	S	S
Dig Deep Boom	S	S	S	S	S
320 Degree Working Radius	S	S	S	S	S
Replaceable Wear Plate	S	S	S	S	S
Easy Access Inspection Port	S	S	S	S	S
Telescoping Boom			O	O	O
Chassis					
Single Axle Configuration	S	S			
Tandem Axle Configuration	O	O	S		
Tandem Axle w/ Pusher Configuration				S	
Tridem Axle Configuration				O	S
LED ICC Lighting	S	S	S	S	S
No Sail Mud Flaps		S	S	S	S
Hitch w/ Brake Controller	O	O	O	O	O
Vacuum System					
3000 CFM and 18"	S	S	O	O	O
4400 CFM and 18"			S	S	S
5400 CFM and 28"			O	O	O
6" Vacuum System	S	S			
8" Vacuum System			S	S	S
Cyclone Separation	S	S	S	S	S
10 Micron Final Filter	S	S	S	S	S
Vacuum Enhancer	S	S	S	S	S
Directional Discharge	S	S	S	S	S
Hydrostatic Blower Drive	S	S	S	S	S
Tool Boxes & Storage					
Deck Mounted Aluminum Tool Box Driver Side			S	S	S
Deck Mounted Aluminum Tool Box Passenger Side	S	S	S	S	S
Below Deck Mounted Aluminum Tool Box Driver Side			S	S	S
Below Deck Mounted Aluminum Tool Box Passenger Side		S	S	S	S
Deck Mounted Steel Tool Tray	O	O	O	O	O
Behind Cab Tool Tray	S	S	O	O	O

Legend	
Standard	S
Optional	O

HX-3 HX-6 HX-9 HX-12 HX-15

Excavation System Attachments & Accessories					
185 CFM @ 150 psi Air System	O	O	O	O	O
Additional Air Lance	O	O	O	O	O
Additional Water Lance	O	O	O	O	O
Debris Box					
1/4" EX-TEN Steel Construction	S	S	S	S	S
Debris Liquid Level Indicator	S	S	S	S	S
50 Degree Hydraulic Dumping	S	S	S	S	S
Fold Down Pipe Racks	S	S	S	S	S
Hydraulic Open/Close Rear Door	S	S	S	S	S
Electric Body Vibrator	O	O	O	O	O
Audible Liquid Level Alarm	O	O	O	O	O
8" Sampling Port w/ Ladder			S	S	S
Dual 6" Ported Rear Door			S	S	S
4" Hydraulic Trash Pump (800 GPM)			O	O	O
3" Hydraulic Trash Pump (400 GPM)	O	O			
Central Lubrication System	O	O	O	O	O
Electrical & Lighting					
NEMA 4 Rated Control Box	S	S	S	S	S
Wireless Remote	S	S	S	S	S
Tethered Remote	O	O	O	O	O
Water System					
325 Gallon Water Capacity	S				
650 Gallon Water Capacity		S			
1300 Gallon Water Capacity			S	S	S
10 GPM @ 2500 psi Pump	S	S	S	S	S
18 GPM @ 2500 psi Pump	O	O	O	O	O
400,000 BTU Water Heater	S	S	S	S	S
800,000 BTU Water Heater	O	O	O	O	O
2.5" Water Fill	S	S	S	S	S
"Y" Strainer Water Fill Filter	O	O	O	O	O
Water Recirculation System	S	S	S	S	S
Heated Hand Wash System	S	S	S	S	S
75' of 3/8" Hose w/ Spring Load Retractable Reel	S	S	S	S	S
Anti-Freeze System (10 Gallons)	O	O	O	O	O
Inlet Misting System	O	O	O	O	O
Dual Operator Station	O	O	O	O	O
Air Purge System (Chassis Powered)	O	O	O	O	O
Accessories					
Extension Tube Kit	S	S	S	S	S
Digging Tube w/ Insulation	S	S	S	S	S
Quick Clamp Kit	S	S	S	S	S
Rotary Head Digging Wand	S	S	S	S	S
Dual Nozzle Chisel Head Wand	S	S	S	S	S
Washdown Gun	S	S	S	S	S
25' Fill Hose	S	S	S	S	S
Hydrant Wrench	S	S	S	S	S
Owner's Manual (Paper & CD)	S	S	S	S	S
Safety Cones w/ Rack	O	O	O	O	O

Products subject to change without notification.
Actual projects may not be an exact match to product as shown.

303-632-8236

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Prepared for:
John Wichmann
SEWER EQUIPMENT CO OF
AMERICA BB
1590 DUTCH RD
DIXON, IL 61021
Phone: 815-835-5566

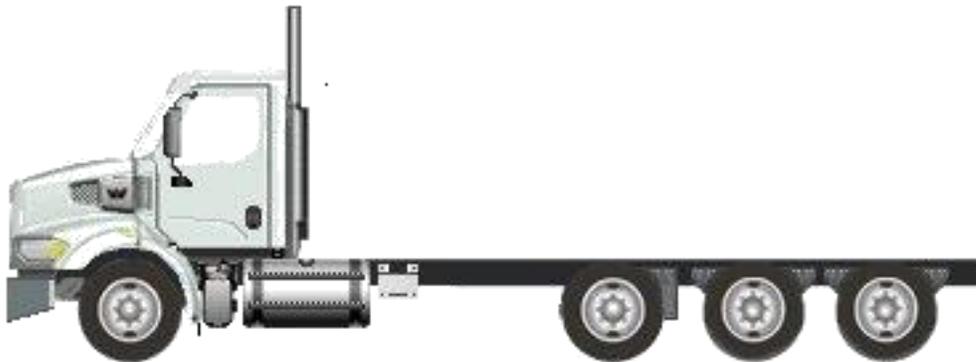
Prepared by:
Andy Ruden
TRUCK COUNTRY OF IOWA,
INC.
3201 HWY 61/151
DUBUQUE, IA 520039695
Phone: 563-556-3773

A proposal for
SEWER EQUIPMENT CO OF AMERICA BB

Prepared by
TRUCK COUNTRY OF IOWA, INC.
Andy Ruden

Oct 06, 2025

Western Star 47X



Components shown may not reflect all spec'd options and are not to scale

Prepared for:
 John Wichmann
 SEWER EQUIPMENT CO OF
 AMERICA BB
 1590 DUTCH RD
 DIXON, IL 61021
 Phone: 815-835-5566

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 DUBUQUE, IA 520039695
 Phone: 563-556-3773

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	Retail Price
Price Level				
PRL-28X	WST 47X/49X PRL-28X (EFF:MY25 ORDERS)			N/C
Data Version				
DRL-008	SPECPRO21 DATA RELEASE VER 008			N/C
Vehicle Configuration				
001-470	WESTERN STAR 47X	9,050	6,525	\$224,378.00
004-226	2026 MODEL YEAR SPECIFIED			N/C
002-004	SET BACK AXLE - TRUCK			STD
019-008	TOWING PROVISION AT END OF FRAME WITH SAE J560, WITHOUT END OF FRAME AIR CONNECTIONS	15	15	N/C
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-002	TRUCK CONFIGURATION			STD
AA6-002	DOMICILED, USA 50 STATES (EPA CLEAN IDLE LABEL OR NO CLEAN IDLE REQUIRED)			STD
99D-027	EPA CLEAN IDLE LABEL - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1UT	UTILITY BUSINESS SEGMENT			N/C
AA4-013	MOIST BULK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1A5	WESTERN STAR VOCATIONAL WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs			
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs			

Prepared for:
 John Wichmann
 SEWER EQUIPMENT CO OF
 AMERICA BB
 1590 DUTCH RD
 DIXON, IL 61021
 Phone: 815-835-5566

Prepared by:
 Andy Ruden
 TRUCK COUNTRY OF IOWA,
 INC.
 3201 HWY 61/151
 DUBUQUE, IA 520039695
 Phone: 563-556-3773

Data Code	Description	Weight Front	Weight Rear	Retail Price
A67-99D	EXPECTED PUSHER AXLE(S) LOAD : 13200.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 79200.0 lbs			
Truck Service				
AA3-034	SEWER/INDUSTRIAL VACUUM BODY			N/C
AF3-2AA	SEWER EQUIPMENT COMPANY			N/C
Engine				
101-3CY	DETROIT DD13 GEN 5 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1550 LB/FT @ 975 RPM			\$337.00
Electronic Parameters				
79A-070	70 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79F-013	FLEET MANAGEMENT - DAILY ENGINE USAGE ENABLED			N/C
79K-014	PTO MODE ENGINE RPM LIMIT - 1800 RPM			N/C
79P-032	PTO RPM CONTROL WITH STEERING WHEEL SWITCHES			N/C
79R-001	PTO MODE COOLING FAN ENABLE			N/C
79S-010	PTO MODE CANCEL VEHICLE SPEED - 3 MPH			N/C
79T-001	PTO MODE RPM INCREMENT - 25 RPM			N/C
79U-008	PTO GOVERNOR RAMP RATE - 300 RPM PER SECOND			N/C
79V-001	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY			N/C
* 79W-011	THREE CLUSTER MENU PTO SPEEDS NULL			N/C
79X-004	PTO SPEED 1 SETTING - 850 RPM			N/C
79Y-009	PTO SPEED 2 SETTING - 1400 RPM			N/C
79Z-006	PTO SPEED 3 SETTING - 1700 RPM			N/C
* 80G-001	PTO MINIMUM RPM - 600 NULL			N/C
80L-003	ENABLE DPF REGEN ZONE 1 WITH AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE			N/C
80W-001	MAINTENANCE SYSTEM WITH NO POP-UPS AND NO MENU IN CLUSTER			STD
N 80S-014	PTO 1, NO SWITCH, TEM SUPPLIED REQUEST AND INTERLOCKS, WITH PTO CONNECTIONS, STATIONARY INTERLOCKS			N/C

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	Data Code	Description	Weight Front	Weight Rear	Retail Price
N	80V-004	ENGINE MOUNT PTO, TEM SUPPLIED REQUEST			N/C
Engine Equipment					
	99C-024	EPA 2010/GHG 2024 CONFIGURATION			STD
	13E-001	STANDARD OIL PAN			N/C
	105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
	014-115	SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED HIGH CAPACITY AIR CLEANER AND PASSIVE PRECLEANER	10		\$165.00
	124-1E1	DR 12V 200 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	-10		\$93.00
	292-236	(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES	-10		(\$483.00)
	290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	-50	10	\$346.00
	282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB			N/C
	291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
	289-020	UNPOLISHED ALUMINUM WST BATTERY BOX COVER			N/C
	293-058	NON-ESSENTIAL POSITIVE LOAD DISCONNECT, IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT	2		\$261.00
	295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2		\$118.00
	306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2		STD
	107-046	BW MODEL FE-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE			STD
	152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
	128-002	JACOBS COMPRESSION BRAKE			STD
	016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE			STD
	28F-015	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH			STD
	239-003	90 DEG STACK AND B-PILLAR PIPE WITH MINIMUM STACK PROTRUSION ABOVE CAB			\$12.00

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237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			STD
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	9	3	(\$187.00)
23Z-005	UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER			STD
43X-001	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD			STD
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH			(\$301.00)
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED			\$10.00
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR			STD
118-001	FULL FLOW OIL FILTER			STD
266-107	1400 SQUARE INCH VOCATIONAL RADIATOR			STD
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
261-001	STANDARD CHARGE AIR COOLER PLUMBING			STD
270-023	HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE			STD
173-014	TRAILER HEATER PLUMBING FROM ENGINE TO BACK OF CAB WITH BALL SHUTOFF VALVES INSIDE RIGHT HAND RAIL	32		\$476.00
168-002	LOWER RADIATOR GUARD			STD
361-013	FLYWHEEL PTO MOUNTED 1 O'CLOCK WITH 1.217 RATIO AND COMPACT 2000 FLANGE YOKE; REQUIRED VISCOUS DAMPER FOR DRIVESHAFT PROVIDED BY ENGINE MANUFACTURER	50	10	\$5,372.00
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4		\$30.00
166-005	PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER	4		\$46.00
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			\$80.00
132-998	NO AIR INTAKE WARMER	-10		STD
155-075	MITSUBISHI 12V MOD 3.175-DP60 STARTER WITH INTEGRATED MAGNETIC SWITCH	-45		N/C

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Transmission				
342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			STD
Transmission Equipment				
343-316	ALLISON VOCATIONAL PACKAGE 150 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS			N/C
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			STD
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84E-017	S5 PERFORMANCE LIMITING PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84F-018	S7 ECONOMY LIMITING SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84G-009	1800 RPM PRIMARY MODE SHIFT SPEED			N/C
84H-009	1800 RPM SECONDARY MODE SHIFT SPEED			N/C
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED			N/C
84M-001	PUMP MODE INPUT ENABLED 3RD/4TH LOCKUP WIRED ON TCM INPUT AJ/BQ - ALLISON 5TH GEN TRANSMISSIONS			N/C
353-073	QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH CAP			\$125.00
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR			\$84.00
362-663	CHELSEA PTO - CHL267SDFJP M5XX	30		\$1,383.00
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON			STD
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-078	HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED			STD
370-006	WATER TO OIL TRANSMISSION COOLER			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD

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35T-001	ATF-SYNTHETIC AUTOMATIC TRANSMISSION FLUID			STD
Front Axle and Equipment				
400-1AC	MERITOR MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	150		\$945.00
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	20		(\$640.00)
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10		(\$278.00)
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			\$336.00
427-001	FRONT BRAKE DUST SHIELDS	5		(\$3.00)
409-006	FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			\$115.00
536-104	DUAL POWER STEERING GEARS, BENDIX 16-20K	80		\$1,542.00
534-003	4 QUART POWER STEERING RESERVOIR	5		N/C
533-001	OIL/AIR POWER STEERING COOLER	5		N/C
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE			STD
Front Suspension				
620-006	20,000# FLAT LEAF FRONT SUSPENSION	250		\$425.00
619-002	THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION			N/C
410-001	FRONT SHOCK ABSORBERS			\$207.00
Rear Axle and Equipment				
420-103	MERITOR RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		470	\$3,061.00
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		60	(\$1,448.00)
421-456	4.56 REAR AXLE RATIO			N/C
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			STD
386-089	SPL250 HT XL DANA SPICER MAIN DRIVELINE	40	40	\$1,418.00
388-012	SPL170 XL DANA SPICER INTERAXLE DRIVELINE WITH HALF ROUND YOKES		10	\$388.00

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452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30	\$1,317.00
878-022	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AXLE VALVE AND (1) REAR-REAR AXLE VALVE			\$46.00
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH			N/C
87B-008	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH			N/C
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			(\$725.00)
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-003	STANDARD BRAKE CHAMBER LOCATION			STD
451-023	CONMET CAST IRON REAR BRAKE DRUMS			\$723.00
425-002	REAR BRAKE DUST SHIELDS		10	\$100.00
440-006	REAR OIL SEALS			STD
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS			(\$128.00)
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			\$344.00
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			STD
42T-001	STANDARD REAR AXLE BREATHER(S)			STD
Rear Suspension				
622-1CJ	HENDRICKSON RT463 @46,000# REAR SUSPENSION		780	\$2,963.00
621-111	10.8 INCH NOMINAL RIDE HEIGHT (490MM GLOBAL REFERENCE HEIGHT)			N/C
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			N/C
624-009	54 INCH AXLE SPACING			\$239.00
628-005	STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS			N/C
623-005	FORE/AFT CONTROL RODS			N/C
439-998	NO REAR SHOCK ABSORBERS		-30	N/C
Pusher / Tag Equipment				
035-179	WATSON/CHALIN SL-13 TRU-TRACK 13,500# AIR LIFT STEERABLE PUSHER SUSPENSION, 15X4 BRAKES AND INTEGRAL FF1 AXLE	475	875	\$8,874.00
443-1F9	WATSON/CHALIN 13,200# FF1 STEERABLE 15X4 BRAKE INTEGRAL PUSHER AXLE			N/C

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449-060	CONMET PRESET PLUS PREMIUM IRON PUSHER/TAG HUBS			N/C
874-015	(1) DASH VALVE AND (1) PHYSICAL GAUGE FOR SINGLE LIFT AXLE			N/C
87F-005	LIFT AXLE WIRING, LIFT IN REVERSE, WITH LAST STATE RETENTION WITH IGNITION OFF			N/C
896-014	(1)REGULATOR MOUNTED ON CHASSIS FOR SINGLE LIFT AXLE			N/C
456-1AY	WATSON/CHALIN 15X4 INTEGRATED CAM PUSHER/TAG BRAKES			N/C
457-002	NON-ASBESTOS PUSHER/TAG BRAKE LINING			N/C
448-023	CONMET CAST IRON PUSHER/TAG BRAKE DRUMS			N/C
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS			STD
442-016	PUSHER/TAG OIL SEALS			N/C
444-001	VENTED PUSHER/TAG HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			N/C
445-075	HALDEX LONGSTROKE PUSHER/TAG AXLE SERVICE CHAMBERS			N/C
458-003	HALDEX AUTOMATIC PUSHER/TAG SLACK ADJUSTERS			N/C
626-182	WATSON/CHALIN SL-13 TRU-TRACK 13,500# AIR LIFT STEERABLE PUSHER SUSPENSION			N/C
* 627-002	54 INCH AXLE SPACING PUSHER/TAG			N/C
Brake System				
490-1AV	WABCO 6S/6M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
432-014	(2) RELAY VALVES; ONE 5-8 PSI FOR TANDEM AXLE AND ONE 3-4.5 PSI CRACK FOR PUSHER/TAG			N/C
480-040	WABCO SYSTEM SAVER 1200 HEATED AIR DRYER WITH PRESSURE CONTROL VALVE			STD
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER			STD
479-012	AIR DRYER MOUNTED UNDER HOOD			STD
460-014	STEEL AIR TANKS MOUNTED BELOW FRAME RAILS	5	5	\$12.00
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			(\$10.00)

Trailer Connections

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	296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION			\$40.00
	303-025	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME			\$130.00
	310-998	NO TRAILER ELECTRICAL CABLE	-10		STD
Wheelbase & Frame					
	545-712	7125MM (281 INCH) WHEELBASE			N/C
N	546-106	13.0MM X 87.0MM X 311.0MM STEEL FRAME (0.51X3.43X12.24 INCH) 120 KSI	870	360	\$2,500.00
	552-032	1650MM (65 INCH) REAR FRAME OVERHANG			N/C
	55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH	-30	90	N/C
	AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 215.35 in			
	AE4-99D	CALC'D FRAME LENGTH - OVERALL : 390.67 in			
	ZF1-99D	FRAME HEIGHT TOP FRONT UNLADEN : 44.77 in			
	ZF2-99D	FRAME HEIGHT TOP FRONT LADEN : 41.7 in			
	ZF3-99D	FRAME HEIGHT TOP REAR UNLADEN : 44.49 in			
	ZF4-99D	FRAME HEIGHT TOP REAR LADEN : 42.36 in			
	553-001	SQUARE END OF FRAME			STD
	559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
	561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION			\$250.00
	562-063	STANDARD CAST ALUMINUM MIDSHIP			STD
	572-082	STANDARD CAST ALUMINUM REARMOST CROSSMEMBER			STD
	565-001	STANDARD SUSPENSION CROSSMEMBER			N/C
	568-012	CAST ALUMINUM REAR SUSPENSION CROSSMEMBER			STD
Chassis Equipment					
	025-001	UNPOLISHED ALUMINUM WST EQUIPMENT COVERS			STD
*	6CF-077	CHASSIS LAYOUT FOR SEWER EQUIPMENT, RAMVAC HX12(-27), HYDROVAC, WST 47X SBA 8X4, 281" WHEELBASE (215.3"CA), 65" AF, 80915-00-V REV D DRILLING, LAYOUT REV A 03/21/23 UPDATE 6CF-077 FOR 281" WHEELBASE			N/C
	556-127	BRIGHT STEEL 1/8 INCH VOCATIONAL BUMPER			STD
	586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS			STD

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558-070	REMOVABLE FRONT TOW/RECOVERY DEVICE, STORED ON CHASSIS FRAME			STD
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE			STD
551-034	CLASS 10.9 THREADED METRIC FASTENERS			STD
44Z-002	EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE			STD
605-1AB	D15-16004-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON FRAME WEB			\$32.00
* 606-614	DRILLING PREP, WST, FOR SEWER EQUIPMENT PER DRAWING 80915-00-V, REV D, 03/21/2023			\$104.00
Fuel Tanks				
204-156	100 GALLON/378 LITER ALUMINUM FUEL TANK - LH	10	10	\$257.00
218-006	25 INCH DIAMETER FUEL TANK(S)			STD
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			STD
212-007	FUEL TANK(S) FORWARD			STD
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
20E-004	AUXILIARY FUEL SUPPLY AND RETURN PORTS LOCATED ON LH FUEL TANK			\$19.00
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD
Tires				
093-0TB	MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES	196		\$2,420.00
094-1YV	CONTINENTAL INTELLIGENT HDC3 11R22.5 16 PLY RADIAL REAR TIRES		192	\$1,120.00
095-13F	CONTINENTAL HS3+ ECO PLUS 295/75R22.5 16 PLY RADIAL PUSHER/TAG TIRES		8	\$1,586.00
Wheels				
502-1H5	ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS	-8		\$390.00
505-1HB	ALCOA 88167X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-248	STD
509-1HB	ALCOA 88167X 22.5X8.25 5.81 INSET 10-HUB ALUMINUM DISC PUSHER/TAG WHEELS		-62	\$620.00

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496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD
495-011	PUSHER/TAG WHEEL MTG NUTS			N/C
Cab Exterior				
829-053	111.6 INCH BBC CONVENTIONAL ALUMINUM CAB			STD
82A-028	STAINLESS STEEL CAB ACCENT MOLDING			STD
705-003	REPTO DRIVELINE ACCESS IN CAB FLOOR			\$62.00
667-001	FRONT FENDERS			STD
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10		\$115.00
678-066	INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES			STD
65X-010	BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN, WITH LED ACCENT LIGHTS			STD
640-016	X-SERIES STEEL REINFORCED ALUMINUM CAB			STD
644-048	X-SERIES VOCATIONAL HOOD			STD
67U-001	HOOD OPENING ASSIST WITH LOCKING STRUT			STD
652-016	WESTERN STAR NAMEPLATES			STD
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS			STD
726-001	SINGLE ELECTRIC HORN			STD
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-095	DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM			STD
302-073	VISOR MOUNTED LED MARKER LIGHTS			N/C
311-001	DAYTIME RUNNING LIGHTS			STD
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS			STD
300-043	LED SIDE TURN SIGNAL			STD
744-105	C-BAR MIRROR SYSTEM WITH DUAL HEATED MIRRORS WITH INTEGRAL HEATED CONVEX, DUAL REMOTE, STAINLESS STEEL BACK COVER, AND BRIGHT C-BAR	20		\$13.00
796-001	102 INCH EQUIPMENT WIDTH			STD
743-209	LH AND RH CONVEX MIRRORS INTEGRAL WITH PRIMARY MIRRORS			STD
74A-001	RH DOWN VIEW MIRROR			STD
* 712-008	(2) CUSTOM NAMEPLATES SHIPPED LOOSE, "_____"			\$28.00

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SEWER EQUIPMENT				
729-001	STANDARD SIDE/REAR REFLECTORS			STD
677-098	UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER			STD
776-998	NO SLEEPER VENT	-10		STD
764-020	STAINLESS STEEL EXTERIOR SUN VISOR WITH INTEGRAL MARKER LIGHTS	16		\$538.00
768-064	SINGLE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH	-10		STD
663-019	1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD			STD
659-006	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR			STD
Cab Interior				
055-015	X-SERIES BASE INTERIOR TRIM LEVEL PACKAGE			STD
707-1C3	CHARCOAL BLACK VINYL BASE LEVEL INTERIOR			STD
70K-016	CARBON WITH BASE BLACK ACCENT			STD
772-035	BLACK MATS WITH ADDED FLOOR HEAT AND NOISE INSULATION			\$126.00
785-015	(1) DASH MOUNTED POWER OUTLET, LIGHTER AND ASH TRAY			\$15.00
691-001	FORWARD ROOF MOUNTED CONSOLE			STD
68L-001	CLEAR INTERIOR BACK WALL SPACE REQUIRED			N/C
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS			STD
741-015	(2) COAT HOOKS ON BACKWALL OF CAB			STD
745-998	NO UPPER BUNK	-50	-50	STD
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY			STD
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY			\$19.00
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER			STD
739-033	STANDARD INSULATION			STD
324-1B3	STANDARD LED CAB LIGHTING			STD
787-004	REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS	2		STD
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD

Prepared for:
 John Wichmann
 SEWER EQUIPMENT CO OF
 AMERICA BB
 1590 DUTCH RD
 DIXON, IL 61021
 Phone: 815-835-5566

Prepared by:
 Andy Ruden
 TRUCK COUNTRY OF IOWA,
 INC.
 3201 HWY 61/151
 DUBUQUE, IA 520039695
 Phone: 563-556-3773

Data Code	Description	Weight Front	Weight Rear	Retail Price
78G-004	KEY QUANTITY OF 4			\$18.00
655-028	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION			STD
64C-002	BRIGHT DOOR HANDLES			\$11.00
740-998	NO MATTRESS	-20	-15	STD
756-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	20		\$23.00
760-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	40	15	\$65.00
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS			STD
758-135	BLACK MORDURA CLOTH DRIVER SEAT COVER WITH EMBROIDERED LOGO			STD
761-135	BLACK MORDURA CLOTH PASSENGER SEAT COVER WITH EMBROIDERED LOGO			N/C
763-1AA	3 POINT ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN			STD
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

185-004	STANDARD FOOT PEDAL SYSTEM			STD
106-002	ELECTRONIC ACCELERATOR CONTROL			STD
870-001	BLACK GAUGE BEZELS			STD
734-018	STANDARD CENTER INSTRUMENT PANEL			STD
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE			STD
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS	2		\$25.00
721-001	97 DB BACKUP ALARM		3	\$34.00
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD

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	Data Code	Description	Weight Front	Weight Rear	Retail Price
	811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY			STD
	81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY			STD
	160-045	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR WITH DUST CAP LOCATED BELOW LH DASH			STD
	844-001	2 INCH ELECTRIC FUEL GAUGE			STD
	845-011	FUEL FILTER RESTRICTION INDICATOR			STD
	148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS			\$134.00
	856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
	854-001	ENGINE OIL TEMPERATURE GAUGE			STD
	852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
	864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			STD
	867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER			STD
	830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
N	372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE			STD
	736-998	NO OBSTACLE DETECTION SYSTEM			(\$4,324.00)
	73K-998	NO SIDE OBJECT DETECTION SYSTEM			STD
	72J-998	NO DR ASSIST SYSTEM			(\$32.00)
	49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL			(\$354.00)
	73B-998	NO LANE DEPARTURE WARNING SYSTEM			(\$1,080.00)
	73H-998	NO CAMERA/VIDEO/IMAGING SYSTEM			N/C
	6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL			STD
	1U1-002	TOP OF DASH RAM MOUNT WITHOUT POWER OR GROUND, FOR CUSTOMER FURNISHED DEVICE			\$32.00
N	746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939			N/C
	747-001	DASH MOUNTED RADIO			STD
	750-041	STANDARD SPEAKER SYSTEM			STD
	753-007	AM/FM ANTENNA MOUNTED ON RH SIDE MIRROR			STD

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Data Code	Description	Weight Front	Weight Rear	Retail Price
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD			STD
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION			STD
751-001	SINGLE REMOTE SPEAKER WITH LEAD FOR 2-WAY RADIO			STD
752-004	SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD			STD
78C-998	NO DIGITAL SATELLITE AUDIO RECEIVER ANTENNA			N/C
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
812-032	ELECTRONIC 2500 RPM TACHOMETER			STD
813-1C8	DETROIT CONNECT PLATFORM HARDWARE			STD
8D1-215	5 YEARS DETROIT CONNECT BASE PACKAGE(FEATURES VARY BY MODEL) DETROIT CONNECT PLATFORM			STD
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY			STD
842-006	DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY			(\$23.00)
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS			N/C
882-018	ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR			\$45.00
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT			STD
48H-003	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS			\$79.00

Design

065-000	PAINT: ONE SOLID COLOR			STD
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Color

980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY			STD
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD

Certification / Compliance

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Data Code	Description	Weight Front	Weight Rear	Retail Price
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD

Secondary Factory Options

* 999-034	DEALER ADVISED AND ACCEPTS TERMS OF PIL #395; SPEED OF LOADED VEHICLE MUST BE LIMITED TO 5 MPH MAXIMUM WHEN LIFTABLE AXLE IS RAISED			N/C
	NULL			
* 99X-024	OBD 2024			N/C

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Adjusted List Price

Adjusted List Price ** \$257,205.00

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	11178 lbs	9116 lbs	20294 lbs
Total Weight ⁺	11178 lbs	9116 lbs	20294 lbs

ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

Other Factory Charges

RAU-025	MY25 ESCALATOR	\$2,750.00
R26-001	MY26 ESCALATOR	\$4,750.00
RD1-215	5 YEARS DETROIT CONNECT BASE PACKAGE(FEATURES VARY BY MODEL) DETROIT CONNECT PLATFORM	STD
P73-2WS	STANDARD DESTINATION CHARGE	\$3,375.00

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3201 HWY 61/151
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Phone: 563-556-3773

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

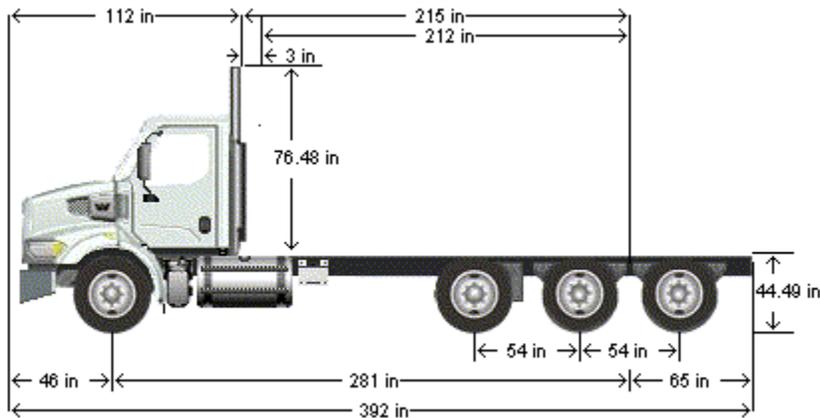
(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.

(***) 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	47X
Wheelbase (545)	7125MM (281 INCH) WHEELBASE
Rear Frame Overhang (552)	1650MM (65 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)	111.6 INCH BBC CONVENTIONAL ALUMINUM CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE
Cab to Body Clearance (in)	3.0

TABLE SUMMARY - DIMENSIONS

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Dimensions	Inches
Bumper to Back of Cab (BBC)	111.6
Bumper to Centerline of Front Axle (BA)	46.5
Front Axle to Back of Cab (AC)	65.2
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	215.4
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	212.4
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	280.4
Cab Height (CH)	76.5
Wheelbase (WB)	280.5
Frame Overhang (OH)	65.0
Overall Frame Length	390.7
Overall Length (OAL)	392.0
Rear Axle Spacing	54.0
Pusher/Tag Axle Spacing	54.0
Unladen Frame Height at Centerline of Rear Axle	44.5

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

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Right-Hand Primary Fuel/Hydraulic Tank (206)..... NO RH FUEL TANK
 Right Fuel Tank Horizontal CG (in) 0

TABLE SUMMARY - TRUCK WEIGHT

Item	Front(s)	Pusher(s)	Rear(s)	Total
Pusher/Tag Up				
Chassis Tare	11178	0	9116	20294
Fuel / Oil	642	0	196	838
Driver	422	0	78	500
Dealer Installed Options	0	0	0	0
Accessories Total	0	0	0	0
Body Tare	887	0	813	1700
Truck Tare Weight	13129	0	10203	23332
Payload Total	0	0	0	0
Calculated Axle Loads	13129	0	10203	23332
Expected Axle Loads / GVW	20000	13200	46000	79200
Creep GAWR / GVWR (*Max 5 MPH)	30000	0	60000	90000
GAWR / GVWR	20000	13200	46000	79200
Pusher/Tag Down				
Chassis Tare	9728	1296	9270	20294
Fuel / Oil	621	48	169	838
Driver	414	19	67	500
Dealer Installed Options	0	0	0	0
Accessories Total	0	0	0	0
Body Tare	800	300	600	1700
Truck Tare Weight	11563	1663	10106	23332
Payload Total	0	0	0	0
Calculated Axle Loads	11563	1663	10106	23332
Expected Axle Loads / GVW	20000	13200	46000	79200
GAWR / GVWR	20000	13200	46000	79200
Payload CG From Front of Body		5.9 feet		
Payload CG From Front Axle		11.6 feet		
Payload Distribution		Variable		
All weights displayed in pounds				

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 John Wichmann
 SEWER EQUIPMENT CO OF
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Payload CG From Front of Body		5.9 feet		
Payload CG From Front Axle		11.6 feet		
Payload Distribution		Variable		
All weights displayed in pounds				

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1590 Dutch Road
 Dixon, IL 61021
 Phone:(815)835-5566

Invoice No 0000221588
 Customer 008201

Bill to :
 DAWSON INFRASTRUCTURE SOLUTIONS
 434 E 56TH AVE
 DENVER CO 80216
 United States

Shipped to :
 DAWSON INFRASTRUCTURE SOLUTIONS
 434 E 56TH AVE
 DENVER, CO, 802161715
 United States

Sales Order No: 160887

Packing List No/Item No: Y85346/000001

Customer PO Number	Invoice Date	Terms	FOB	Ship Via	Salesperson
PO01485	06/24/2024	NET 30 DAYS	SHIPPING POINT	OUR DRIVER	SB
Item No	Part / Rev / Description / Details	Quantity	Unit Price	Discount	Extended Price
000010	80915-00-V Rev 000 U/M EA CHASSIS, TRUCK,WESTERN STAR,47XSB	1.0000	158,128.0000	0.00	158,128.00
		Taxable Item			

Total Item Price \$ 158,128.00
 Shipping \$ 0.00
 Sales Tax \$ 0.00
 Total Inv Price USD \$ 158,128.00

Please pay the balance due by Wednesday July 24 2024

Remit To:
 Sewer Equipment Co Of America
 PO Box 772846 Detroit, MI 48277-2846

Wire Instructions ONLY (not for ACH):
 Bank Routing Number: 021000021
 SWIFT Code: CHASUS33
 General Bank Ref Address: JPMorgan Chase New York, NY 10004
 Account Number: 691300880
 Account Name: Sewer Equipment Co Of America

Warranty start date for manufactured equipment is the date the equipment is shipped unless the equipment delivery to the end user from the dealer will be delayed. The dealer must notify Sewer Equipment Company of America in writing 30 days of shipment. This delayed warranty start date is subject to approval in writing by Sewer Equipment Company of America

ref wo-10894

VIN: 5KKMBPDV0SLVL2603

Please contact Accounts Receivable at 815-835-5566 with any questions or concerns regarding your invoice.

**** All balances past due are subject to a 1% per month late charge. ****