

**VILLAGE OF WINDSOR  
VILLAGE BOARD RESOLUTION 2020-13**

**AUTHORIZATION TO PURCHASE A SINGLE AXLE PATROL TRUCK AND  
DESIGNATING A 2000 STERLING PLOW TRUCK SURPLUS VILLAGE PROPERTY**

**WHEREAS**, the Village staff has advised the Village Board the Village's 2000 Sterling plow truck, with wing, plow, and salter have served the useful life for the Village and recommends it be declared surplus property; and

**WHEREAS**, the Village Board replacement schedule provided for the purchase of a new plow truck and the sale of the 2000 Sterling; and

**WHEREAS**, the Village Board budgeted \$250,000 in 2020 in the Reserve/Replacement Fund for the purchase of a new plow truck to replace the 2000 Sterling; and

**WHEREAS**, the Public Works Director has researched and obtained quotes for the replacement of the 2000 Sterling plow truck as provided in Exhibits A through D; and

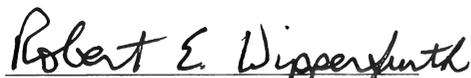
**WHEREAS**, the Public Works Director and the Public Works Committee recommend the purchase of a plow truck as shown in Exhibit B.

**NOW THEREFORE, BE IT RESOLVED**, by the Village Board of the Village of Windsor that it hereby resolves as follows:

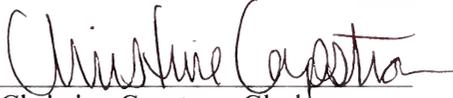
1. The Public Works Director is authorized and directed to purchase a plow truck as provided in Exhibit B from Lakeside International for an amount not to exceed \$160,461.70; and
2. The 2000 Sterling plow truck is hereby designated surplus Village property pursuant to section 40-1(b) of the Code of Ordinances.
3. The Public Works Director is authorized and directed to dispose of the 2000 Sterling plow truck with plow, wing, and salter by public auction in accordance section 40-1(d) of the Code of Ordinances. The final sale terms shall be approved by the Village Administrator and the Village President. The Village President, Village Attorney and Staff are authorized to execute all documents necessary on behalf of the Village to do so.

The above and foregoing Resolution was duly adopted at a regular meeting of the Village Board of the Village of Windsor on February 20, 2020, by a vote of 4 in favor and 0 opposed.

**VILLAGE OF WINDSOR**

  
Robert E. Wipperfurth, President

*Attested by:*

  
Christine Capstran, Clerk

**Incorporated by Reference:**

Exhibit A: Public Works Memo

Exhibit B: Lakeside International quote

Exhibit C: JX Peterbilt quote

Exhibit D: Kriete Group quote

Requested By: Davis Clark, Public Works Director – 2-12-20

Drafted By: William S. Cole, Village Attorney – 2-13-20

Approved As To Form By: William S. Cole, Village Attorney – 2-13-20



# Windsor

Growing Forward

## Memorandum

---

To: Windsor Village Board

CC: Tina Butteris, Village Administrator  
Christine Capstran, Clerk

From: Davis Clark, Village Public Works Director

Date: February 12, 2020

Re: Single Axel Patrol Truck Quotes

---

Three quotes have been received for the purchase of a Single Axel Patrol Truck (snow plow truck). The new single axel patrol truck would replace the 2000 Sterling (used) plow truck which would then be sold.

Two quotes received (Peterbilt and Mack) are for the cab and chassis only. They do not include the dump truck bed or any snow plow/salting equipment which would be ordered and installed from a separate company (approximately \$65,500). The plow hook up and wiring is a bit different for the Peterbilt and therefore the cost is about \$2,500 more. Once the cab and chassis and other equipment is ordered we could expect the truck delivered around December of this year.

The third quote received was from Lakeside International which has a single axel plow truck that is already outfitted with the front snow plow and side wing, tailgate salter, and stainless steel dump bed. The equipment package on this truck meets the specs that we would have used to order it had it not already been built.

Peterbilt cab and chassis \$93,895.00 + equipment package \$67,500.00 = \$161,395.00

Mack cab and chassis \$95,472.00 + equipment package \$65,000.00 = \$160,472.00

International cab, chassis, and equipment package = \$160,461.70

The Public Works Committee's recommendation is to purchase the single axel patrol truck from Lakeside International for \$160,461.70 since it is already built to our standards and can be delivered right away.

# Exhibit B

**INTERNATIONAL®**

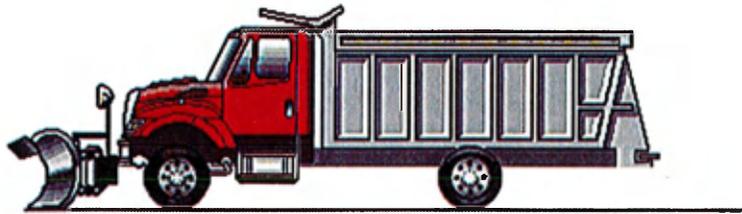
December 14, 2019

**Prepared For:**

Village of Windsor  
Davis Clark  
4084 Mueller Rd.  
Deforest, WI 53532-2332  
(608)888 - 0066  
Reference ID: 9720X

**Presented By:**

LAKESIDE INTERNATIONAL TRUCKS  
Hank Wieland  
7243 MANUFACTURERS DRIVE  
MADISON WI 53704 -  
(608)246-5860



Model Profile

**2020 HV507 SFA (HV507)**

<b>AXLE CONFIG:</b>	4X2
<b>MISSION:</b>	Requested GVWR: 43000. Calc. GVWR: 43000 Calc. Start / Grade Ability: 30.89% / 3.00% @ 55 MPH Calc. Geared Speed: 67.8 MPH
<b>DIMENSION:</b>	Wheelbase: 161.00, CA: 86.00, Axle to Frame: 79.00
<b>ENGINE, DIESEL:</b>	{Cummins L9 350} EPA 2017, 350HP @ 2000 RPM, 1000 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed, 350 Peak HP (Max)
<b>TRANSMISSION, AUTOMATIC:</b>	{Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
<b>AXLE, REAR, SINGLE:</b>	{Dana Spicer S23-190D} Single Reduction, Hypoid Gearing, 23,000-lb Capacity, Driver Control Locking Differential, R Wheel Ends Gear Ratio: 6.14
<b>CAB:</b>	Conventional, Day Cab
<b>TIRE, FRONT:</b>	(2) 315/80R22.5 Load Range L HSC 3 (CONTINENTAL), 481 rev/mile, 68 MPH, All-Position

**TIRE, REAR:** (4) 11R22.5 Load Range H HDC1 (CONTINENTAL), 488 rev/mile, 75 MPH,  
Drive

**SUSPENSION, REAR, AIR, SINGLE:** {Hendrickson PRIMAAX EX} 23,000-lb Capacity, 9.0" Ride Height, with  
Shock Absorbers

**PAINT:** Cab schematic 100WK  
Location 1: 0311, Omaha Orange (Std)  
Chassis schematic N/A

**Description**

Base Chassis, Model HV507 SFA with 161.00 Wheelbase, 86.00 CA, and 79.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

AXLE CONFIGURATION {Navistar} 4x2

**Notes**

: Pricing may change if axle configuration is changed.

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL

BUMPER, FRONT Swept Back, Steel, Heavy Duty

FRAME EXTENSION, FRONT Integral; 20" In Front of Grille

WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)

AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 20,000-lb Capacity, with Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

**Includes**

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SLACK ADJUSTERS, FRONT Automatic (with Air Cam Brakes)

: SLACK ADJUSTERS, REAR Automatic (with Air Cam Brakes)

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

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

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

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

AIR DRYER {Wabco System Saver 1200} with Heater

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

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

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

AIR COMPRESSOR {Cummins} 18.7 CFM

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

**Description**

DUST SHIELDS, FRONT BRAKE for Air Brakes

DUST SHIELDS, REAR BRAKE for Air Brakes

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

STEERING COLUMN Tilting and Telescoping

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

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

DRIVELINE SYSTEM {Dana Spicer} SPL100, for 4x2/6x2

AFTERTREATMENT COVER Aluminum

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

ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger

TAIL PIPE (1) Turnback Type, Bright

MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel

EXHAUST HEIGHT 8' 10"

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel

: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

: STARTER SWITCH Electric, Key Operated

: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature

: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

: WIRING, CHASSIS Color Coded and Continuously Numbered

SNOW SHIELD (2) Chrome; for Dual Air Horns

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

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

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (4) 12-Volt 2640CCA Total, Top Threaded Stud

**Description**

2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input, MP3, Apple Device Play & Control

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

RADIO, AUXILIARY CONTROLS Mounted in Steering Wheel, Radio Function Control Switch, Includes Volume Up/Down, Mute, Forward/Back and Bluetooth Answer/Disconnect

BACK-UP ALARM Electric, 102 dBA

AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications

BATTERY CABLES with 36" of Extra Length Coiled and Strapped Near Battery Box

STOP, TURN, TAIL & B/U LIGHTS {Weldon} Multi-Function LED Lamp, Mounted Outside Rails, Includes LED License Plate Light

HORN, ELECTRIC Disc Style

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

SWITCH, BODY CIRCUITS, MID with Remote Power Module Mounted in Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total, Includes 1 Switch Pack with Momentary Switches

JUMP START STUD Remote Mounted

WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time

RUNNING LIGHT (2) Daytime

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

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened

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

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

BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted

POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) & USB Port, Located in the Instrument Panel

Description

USB PORT (1) Located in the Instrument Panel

FENDER EXTENSIONS Rubber

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badge Shipped Loose

HOOD, HATCH (01) for Servicing

INSULATION, UNDER HOOD for Sound Abatement

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

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

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "WK"

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

KEYS - ALL ALIKE Fleet - Includes Ignition and Cab Door Keys

OVER THE AIR PROGRAMMING {Navistar} for Cummins Engines

LABEL, DEF "DEF ONLY"

PROMOTIONAL PACKAGE Government Silver Package

SAFETY TRIANGLES

KEYS - ALL ALIKE, ID I-1624 Compatible with Z-250

CLUTCH Omit Item (Clutch & Control)

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

PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted

ENGINE, DIESEL {Cummins L9 350} EPA 2017, 350HP @ 2000 RPM, 1000 lb-ft Torque @ 1400 RPM, 2200 RPM Governed Speed, 350 Peak HP (Max)

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

Includes

: FAN Nylon

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

Includes

**Description**

: DEAERATION SYSTEM with Surge Tank  
: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps  
: RADIATOR HOSES Premium, Rubber

AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control

FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2019

THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer Use

BLOCK HEATER, ENGINE {Phillips} 120V/1000W, with "Y" Cord for Dealer Installed 120V/300W Oil Pan Heater

**Includes**

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

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

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

TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway

SHIFT CONTROL PARAMETERS Allison S-1 Performance Programming in Primary and Allison Fixed Programming in Secondary

TRANSMISSION SHIFT CONTROL for Column Mounted Stalk Shifter

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

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

TRANSMISSION TCM LOCATION Located Inside Cab

PTO LOCATION Dual, Customer Intends to Install PTO at Left and/or Right Side of Transmission

SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab

AXLE, REAR, SINGLE {Dana Spicer S23-190D} Single Reduction, Hypoid Gearing, 23,000-lb Capacity, Driver Control Locking Differential, R Wheel Ends . Gear Ratio: 6.14

SUSPENSION, REAR, AIR, SINGLE {Hendrickson PRIMAAX EX} 23,000-lb Capacity, 9.0" Ride Height, with Shock Absorbers

FUEL TANK STRAPS Bright Finish Stainless Steel

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

**Description**

FUEL/WATER SEPARATOR {Racor 400 Series,} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor

FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 70 US Gal (265L), Mounted Left Side, Under Cab

DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab

CAB Conventional, Day Cab

HEATER SHUT-OFF VALVES (1) Ball Valve Type, Supply Line

AUTOMATIC CLIMATE CONTROL Automatically Maintains Cabin Comfort Based on Selected Temperature

AIR CONDITIONER with Integral Heater and Defroster

GAUGE CLUSTER Premium Level: English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 5 Inch LCD Color Display

GRAB HANDLE, CAB INTERIOR (2) Safety Yellow

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

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

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

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

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

MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (2) Right and Left Sides, Bright, Heated, 7.5" Sq.

SEAT, PASSENGER {National} Non Suspension, High Back with Integral Headrest, Cloth, with Fixed Back, with Under Seat Storage

MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Bright Heads, Black Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width

**Notes**

: Mirror Dimensions are Rounded to the Nearest 0.5"

CAB INTERIOR TRIM Diamond, for Day Cab

**Includes**

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

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

**Description**

: SUN VISOR (3) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side

WINDSHIELD Heated, Single Piece

ARM REST, RIGHT, DRIVER SEAT

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

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

CAB REAR SUSPENSION Air Bag Type

INSTRUMENT PANEL Wing Panel

SUNSHADE, EXTERIOR Bright Finish, with Integral Clearance/Marker Lights

ACCESS, CAB {Bustin} Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Extended Cab, Self-Cleaning

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

WHEELS, REAR {Accuride 42644} DUAL DISC; 22.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(4) TIRE, REAR 11R22.5 Load Range H HDC1 (CONTINENTAL), 488 rev/mile, 75 MPH, Drive

(2) TIRE, FRONT 315/80R22.5 Load Range L HSC 3 (CONTINENTAL), 481 rev/mile, 68 MPH, All-Position  
Cab schematic 100WK

Location 1: 0311, Omaha Orange (Std)

Chassis schematic N/A

**Services Section:**

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

Monroe Package

(US DOLLAR)

Description

Price

Net Sales Price:

\$164,461.70

4000  
160,461.70

\*\*\*\*Pricing based off of State of Wisconsin Bid Pricing\*\*\*\*

Additional end of the year discount of \$4000.00 to be applied on this stock unit!

Approved by Seller:

Accepted by Purchaser:

\_\_\_\_\_  
Official Title and Date

\_\_\_\_\_  
Firm or Business Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Authorized Signature and Date

**This proposal is not binding upon the seller  
without Seller's Authorized Signature**

\_\_\_\_\_  
Official Title and Date

**The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.**

**The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.**



February 4, 2020  
Davis Clark  
The Village of Windsor  
4084 Mueller Rd  
DeForest, WI 53532

Davis:

JX Peterbilt – Madison is pleased to present a price quotation for (1) New 2021 Peterbilt Model 348 Single Axle Chassis with the enclosed specifications on Quote # QUO-587229-J5V0X9 . Our bid is predicated on this specification and is subject to Peterbilt Motors Engineering approval. Any additions or changes needed for the installation of equipment will be the responsibility of the Township. This bid includes a Frame Layout diagram for review of the body installer before the units are built.

**New Truck Net Price . . . . . \$93,895.00**

Includes no local, state or federal taxes, F.O.B. DeForest, WI. Pricing valid for 15 days. After this period, we will need to reconfirm this bid. Full payment will be due upon delivery to the equipment installer. Current production is for the week of March 15th. Delivery dates are only estimated, and must be reconfirmed at the time of documented purchase.

**Order Requirements:** \$1,000 deposit or acceptable purchase order, Signed final set of truck specifications, Signed purchase contract and verification of finance approval (if applicable).

The Differences that I picked up on that are different from my spec are as follows:

- We use a double reinforced frame.
- Air tank locations should be placed by the specific equipment installer you award to.
- Our Defroster System is strong enough to not need a heater windshield, which are expensive to replace.
- The passenger's seat is mounted on an in-cab battery box without armrests.
- Our tilt hood opens up far enough to not need hood hatches.
- Our Front Hood Spot Mirrors are on separate mounts than the body companies install the plow lights on.
- The Allison Transmission comes with warning lights, they do not list audible warning.
- The Rear View Mirrors do not come with lights in the mirror heads.
- Our Frontal Air Intake does not have or need Inside -Outside Air flow has not been a complaint on it.
- The Alternator is a Leece Neville 200 AMP Alternator.
- The Steering Wheel is Poly Plastic, and is not a Smart Wheel design.
- The Fan Clutch is a Horton 2 Speed Vocational Unit.
- The Oil Pan is a factory standard pan.
- The Transmission Shifter Is a Dash Mounted Pad Style.
- The Front Bumper is Black Painted.
- The Plow Light Harnesses are provided by the Body Company
- The Circuit Breakers are Auto Reset Type.
- Our Body Harness is 5' Back of cab.
- Equipment Operating Switches are provided by the Body Company.
- Peterbilt does not use a pre-trip check switch.
- Our Starter Motor is a Paccar brand.
- We will provide a Parts book, an Owner's Manual and a Service CD, if required

PO Box 8352, Madison WI 53708  
4205 Anderson Road, DeForest WI 53532  
Business 608.241.4101 Toll Free 800.356.6146 Fax 608.241.0709

Visit us at  
[www.JXE.com](http://www.JXE.com)

Additional Options to Consider:

5 Year/ 100,000 Mile Power Protection Plan 1..... \$1750.00

Coverage is 100% Parts and Labor with no deductible on all internally lubricated Components and major engine systems including the Turbo, Water Pump and Injectors.

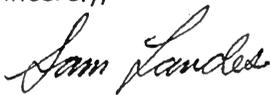
5 Year/ 100,000 Mile After-Treatment Warranty..... \$740.00

Must have the above plan to purchase. Coverage is 100% Parts and Labor on the major components of the After Treatment System, including the SCR DPF Module.

- Aeon Overload Cushion System for Front Right Spring. . . . \$2,055.00
- Shifter Pad Re-Mount to Console . . . . . \$781.00
- Heated Windshield Wipers . . . . . \$695.00

Please feel free to contact me at 608.241.4101 with any questions. Thank you for the opportunity to earn your business.

Sincerely,



Sam Landes  
Sales Executive  
JX Peterbilt - Madison



Peterbilt Of Wisconsin (P130)  
 4205 Anderson Road  
 Deforest, Wisconsin 53532

Village of Windsor  
 4084 Mueller Rd  
 Windsor, Wisconsin 53532  
 United States of America

Sam Landes  
 Cell Phone:  
 Office Phone: (608)241-4101  
 Email: slandes@jxe.com

Davis Clark

## Vehicle Summary

	Unit		Chassis	
Model:		Model 348	Fr Axle Load (lbs):	20000
Type:		Full Truck	Rr Axle Load (lbs):	23000
Description 1:		VILLAGE OF WIDSOR	G.C.W. (lbs)	43000
Description 2:		1-2020 Single		
	<b>Application</b>		Road Conditions:	
Intended Serv.:		Snowplow	Class A (Highway)	100
Commodity:		Other Commodity	Class B (Hwy/Mtn)	0
			Class C (Off-Hwy)	0
	<b>Body</b>		Class D (Off-Road)	0
Type:		Tank	Maximum Grade:	6
Length (ft):		10	Wheelbase (in):	157
Height (ft):		13.5	Overhang (in):	45.8
Max Laden Weight (lbs):		1000	Fr Axle to BOC (in):	69.8
			Cab to Axle (in):	87.2
	<b>Trailer</b>		Cab to EOF (in):	133
No. of Trailer Axles:		0	Overall Comb. Length (in):	241
Type:				
Length (ft):		0	<b>Special Req.</b>	
Height (ft):		0		
Kingpin Inset (in):		0		
Corner Radius (in):		0		
	<b>Restrictions</b>			
Length (ft):		65		
Width (in):		102		
Height (ft):		13.5		

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

Note: All sales are F.O.B. designated plant of manufacture.



Std/ Opt	Description	Weight
<b>Base Model</b>		
S	<b>Model 348</b> The Model 348 was designed to exceed the rigid demands of Class 7 and Class 8 specialty application markets that require rugged durability and a wide range of optional content. The Model 348 represents a multi-dimensional performer with a GVW from 33,000 to 66,000 lbs. and optional capacity ratings to suit almost any vocation. The 348 is also available in a specifically designed all-wheel-drive configuration. From construction and crane service to utility and delivery services in both Class 7 and Class 8 markets, the 348 is in a class by itself.	10,610
O	<b>Other Commodity</b>	0
O	<b>Snowplow</b> Truck which is configured for mounting a snowplow to the front. May also have dump or other body	0
O	<b>Tank</b> A truck equipped to transport liquefied loads, dru bulk cargo, or gases. May be insulated or non-insulated; pressurized or non-pressurized; and designed for single or multiple loads (often by means of internal divisions in their tank).	0
S	<b>United States Registry</b> Canadian Registry Package Requires Air Conditioning Excise Tax Canada, Speedometer to be KPH ipo MPH, Daytime Running Lights and Rubber Battery Pad in Bottom of Battery Box.	0
<b>Configuration</b>		
S	<b>Not Applicable</b> Secondary Manufacturer	0
<b>Frame &amp; Equipment</b>		
O	<b>10-3/4" Steel Rails To 354"</b> 10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus. 17.8 cubic inches. Weight: 1.74 lbs/inch pair	255
O	<b>Full Steel Inner Liner</b>	422
O	<b>Zinc Coated Anti Corrosion Treated Frame Rails</b> Requires Frame Rail Code. Zinc Phosphate coating will replace the standard frame rail primer and provide added corrosion prevention for your customer's operating in severe conditions or in climates where vehicle rust is common.	0
O	<b>Custom Wheelbase or Overhang</b> Engineering approval may be required.	0
S	<b>Three-Piece Crossmembers</b>	0
O	<b>FEPTO Provision 27.8in Bumper Extension</b> Includes Crankshaft Adapter Plate and Stationary Grille. Requires FEPTO Bumper.	86
O	<b>EOF Square with Steel Crossmember</b>	64

Price Level: January 1, 2020  
 Deal: VILLAGE OF WIDSOR  
 Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
 Quote Number: QUO-587229-J5V0X9



Std/ Opt	Description	Weight
S	Omit Rear Mudflaps and Hangers	0
<b>Front Axle &amp; Equipment</b>		
O	<b>Dana Spicer D2000F 20,000 lb, 3.5 in. Drop</b> Factory front axle alignment to improve handling & reduce tire wear. Zerk fittings on tie rod ends, king pins, & draglink ball joints for ease of maintenance & help extend service life of components. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	144
O	<b>Taper Leaf Springs, Shocks 20,000 lb</b> Standard with Heavy Resistance Shocks.	119
O	<b>Power Steering TRW THP60 Dual</b> For use with 16,000 to 20,000 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	54
O	<b>Power Steering Reservoir Frame Mounted w/Cooler</b> A power steering cooler helps reduce the heat of the power steering fluid. This is commonly used with systems that may experience more stress from towing or off-road driving.	2
O	<b>PHP10 Iron PreSet PLUS Hubs</b> PHP10 iron PreSet PLUS hubs have a fully integrated spindle nut design, an optimized wheel spacer, magnetic fill plug on drive and trailer hubs for inspection of metal particles in lubricant, with a long life oil seal and bearings are pre-adjusted. Use with Front Axle.	-4
O	<b>Bendix Air Cam Front Drum Brakes 16.5x6</b> Includes automatic slack adjusters & outboard mounted brake drums.	5
O	<b>Dust Shields, Cam Brakes, Front Axle</b>	4
O	<b>Gusseted Cam Brackets, Steer Axle</b>	0
<b>Rear Axle &amp; Equipment</b>		
S	<b>Dana Spicer S23-172, 23,000lb</b>	0
O	<b>PHP10 Aluminum PreSet Hubs</b>	-60
O	<b>Dust Shields For Cam Brakes, Drive Axle(s)</b>	15
O	<b>Gusseted Cam Brackets, Drive Axle(s)</b>	2
S	<b>SBM Valve</b> Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0



Std/ Opt	Description	Weight
O	Diff Lock, Single Drive Axle with Speed Interlock	30
S	Stability System Not Selected Or Not Available	0
S	Anti-Lock Braking System (ABS) 4S4M ABS-6. Includes air braking system.	0
S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0
S	Single Drive Axle (Model 348)	0
S	Bendix Air Cam Rear Drum Brakes 16.5x7 Bendix Air Cam Rear Drum Brakes to fit all heavy haul, construction, refuse and highway truck and tractor applications. Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums.	0
O	Ratio 6.14 Rear Axle	0
S	Peterbilt Air Trac 23,000 lb Light Weight	0
O	Air Springs, Internal Bumpers Air Trac / Air Leaf suspensions	0
O	Dash Mtd Dump Switch with Indicator Light Dash mounted dump switch with indicator light for suspension.	2

### Engine & Equipment

O	<b>PACCAR PX-9 330@2000 GOV@2200 1000@1400</b> Productivity (2017 Emissions) Includes alum flywheel housing, cruise control, and J1939 provisions (provides an interface point for the Electronic Service Analysis-ESA and other PACCAR approved diagnostic tools). Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120...Standard Maximum Speed Limit N21470 P062 NO...Cruise Control Auto Resume (N21480 P068 NO...Auto Engine Brake in Cruise N21450 P026 NO...Gear Down Protection (P026) N21440 P015 NO...Engine Protection Shutdown (N21350 P001 64...Maximum Accelerator Pedal Ve N21370 P059 64...Maximum Cruise Speed (P059) N21590 P230 YES...Enable Hot Ambient Automatic N21530 P233 YES...Enable Impending Shutdown Wa N21540 P234 60...Timer For Impending Shutdown N21460 P046 1400..Max PTO Speed (P046) N21520 P030 5.....Timer Setting (P030)	0
---	--	---

Price Level: January 1, 2020  
Deal: VILLAGE OF WIDSOR  
Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
Quote Number: QUO-587229-J5V0X9



Std/ Opt	Description	Weight <sup>d</sup>
	N21570 P031 NO....Idle Shutdown Manual Overrul	
	N21610 P172 40....Low Ambient Temperature Thre	
	N21630 P171 80....High Ambient Temperature Thr	
	N21510 P520 YES...Enable Idle Shutdown Park Br	
	N21430 N201 0.....Reserve Speed Limit Offset (	
	N21410 N202 0.....Maximum Cycle Distance (N202	
	N21400 N203 252...Reserve Speed Function Reset	
	N21420 N206 10....Maximum Active Distance (N20	
	N21340 P112 120...Hard Maximum Speed Limit (P1	
	N21550 P516 35....Engine Load Threshold (P516)	
	N21620 P173 60....Intermediate Ambient Tempera	
	N21330 N207 0.....Expiration Distance (N207)	
	N21500 N209 0.....Expiration Distance (N209)	
O	<b>Engine Idle Shutdown Timer Disabled</b>	0
O	<b>Enable EIST Ambient Temp Overrule</b>	0
	<b>Eff EIST NA Expiration Miles</b>	0
	<b>Effective VSL Setting NA</b>	0
O	<b>Typical Operating Speed 55 MPH</b>	0
O	<b>Powertrain Optimized for Performance</b> Best analysis for vehicles used in vocational applications or with heavy GCWRs.	0
O	<b>Belly Pan</b>	35
O	<b>Remote PTO and Throttle Provision</b> 12-pin connector on engine harness.	0
S	<b>CARB Engine Idling Compliance</b> PACCAR PX-7, PX-9 and MX, Cummins X15 and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	0
O	<b>200 Amp Alternator, Standard Brush</b> Bosch Long Haul Extreme, standard brush, 170-200 Amps. Dual internal cooling fans, and externally-mounted rectifier and regulator.	0
O	<b>Immersion Type Block Heater 110-120V</b> Standard location for 2.1M and 1.9M models is left-hand under cab, Model 520 is in bumper, and for Model 220 it is at the driver step. Plug includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	2
O	<b>Oil Pan Heater 120V/300W</b> Oil Pan Heater 120V/300W operates via 120V ShorePower system and keeps oil warm and free flowing for instant lubrication with oil and transmission immersion heaters when the engine is not running. This option utilizes the same receptacle as the immersion pre-heater if specified together.	2

Price Level: January 1, 2020

Deal: VILLAGE OF WIDSOR

Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020

Quote Number: QUO-587229-J5V0X9



Std/ Opt.	Description	Weight
S	<b>PACCAR 12V Starter, N/A PACCAR MX Engines</b> PACCAR 12-volt electrical system. With centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0
O	<b>3 Optima DT31T Batteries 2700 CCA Threaded</b> Stud type terminal. AGM (Absorbent Glass Material). Stranded copper battery cables are double aught (00) or larger to reduce resistance.	55
O	<b>Battery Jumper Terminal Mounted Under Hood</b> LH Frame Rail. Not available with PX-7 engines.	4
O	<b>Batteries In In-Cab Battery Box</b>	0
O	<b>2-Speed Fan Clutch For Frequent Start/Stops</b> A 2-speed fan clutch is ideal for vocational applications where the fan clutch engagement time exceeds 10% of the engine run time. When the fan clutch is disengaged, the fan still rotates at 15-25% of the engine RPM. This fan rotation provides crucial airflow to the engine and draws virtually no horsepower.	0
S	<b>18.7 CFM Air Compressor</b> N/A X15. Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0
O	<b>VGT Exhaust Brake</b> (Variable Geometry Turbo). Provides approximately 90-100 HP of retardation and is part of the turbocharger.	0
S	<b>Spin-On Fuel/Water Separator</b>	0
S	<b>No Fluid Heat Option for Fuel Filter</b>	0
O	<b>12V Heat for Fuel Filter</b> Fuel filter heaters help ensure a seamless flow of diesel from the tank to the combustion chamber. Eliminating any possibility of moisture freezing within the fuel filter while simultaneously increasing the fuel temperature for atomization within the engine.	0
O	<b>Engine Protection Shutdown</b> Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	0
S	<b>High Efficiency Cooling System</b> Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model. 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 520: 1242 sq in.	0
S	<b>Radial Seal, Dry Type Air Cleaner, Frontal</b> Air Intake. Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0
O	<b>Exhaust Single RH Side of Cab</b>	29

Price Level: January 1, 2020  
Deal VILLAGE OF WIDSOR  
Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
Quote Number: QUO-587229-J5V0X9



<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
	DPF/SCR right-hand Under Cab.	
O	<b>Curved Tip Standpipe(s)</b>	0
O	<b>24" Ht, 5" Dia Chrome, Clear Coat Standpipe(s)</b>	0
<b>Transmission &amp; Equipment</b>		
O	<b>Allison 3000 RDS-P Transmission, Gen 5</b> Rugged Duty Series. Includes Rear Transmission Support except on MX engines, Mobil Delvac Automatic Transmission Fluid, and Water-Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. Suited for vehicles operating on/off highway and/or requiring PTO operation. Forward ratios: 1st-3.49, 2nd-1.86, 3rd-1.41, 4th-1.00, 5th-0.75, 6th-0.65. Reverse ratios: DR-(5.03).	195
O	<b>SPL170 HD-XL Driveline, 1 Midship Bearing</b>	20
O	<b>Allison FuelSense 2.0 Not Desired</b>	0
O	<b>Allison Neutral At Stop</b> Neutral at Stop features and benefits: Reduces or eliminates the load on the engine when vehicle is stopped, can help lower fuel consumption and CO2 emissions, and is included in FuelSense 2.0 Plus and Max packages only.	0
O	<b>Allison 6-Speed Configuration, Close Ratio Gears</b> 3000 Series Transmissions.	0
O	<b>Dash Mounted Push Button Shifter</b> Available with Allison transmissions	0
<b>Air &amp; Trailer Equipment</b>		
O	<b>Bendix AD-1S EP Air Dryer, Heater</b> Bendix Air Treatment Oil Coalescing filter, extended purge. Collects and removes solid, liquid and vapor contaminants before they enter the air brake system.	6
O	<b>Pull Cords All Air Tanks</b>	0
S	<b>Nylon Chassis Hose</b>	0
S	<b>Steel Painted Air Tanks</b> All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for	0

Price Level: January 1, 2020  
 Deal: VILLAGE OF WIDSOR  
 Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
 Quote Number: QUO-587229-J5V0X9



Std/ Opt.	Description	Weight
	factory installation. See ECAT to determine number or location of air tanks installed.	
O	<b>Body Connections 5' BOC</b> Junction box contains light and power circuits for body connections located 5' from back-of-cab	4
<b>Tires &amp; Wheels</b>		
O	<b>FF: BR 20ply 315/80R22.5 M870</b> Diameter= 42.8 inches; SLR= 19.9 inches	86
O	<b>RR: BR 16ply 11R22.5 M799</b> Diameter = 42.0 inches; SLR = 19.5 inches	36
O	<b>Code-rear Tire Qty 04</b>	0
O	<b>FF: Alcoa 89U637 22.5X9.00 Clean Buff Finish</b> Aluminum, Ultra ONE wheels with MagnaForce alloy.	-36
O	<b>RR: Alcoa 885657 22.5X8.25 Clean Buff Finish</b> Aluminum wheel severe service.	-68
O	<b>Code-rear Rim Qty 04</b>	0
O	<b>FF: Polished Wheels, Outer Surface, Sgl/Tdm Steer</b> Polish outer surface of outer wheel. Without chrome wheel nuts.	0
O	<b>RR: Polished Wheels, Outer Surface, Single Drive</b> Without chrome wheel nuts. Polish outer surface of outer wheel.	0
<b>Fuel Tanks</b>		
O	<b>26" Aluminum 70 Gallon Fuel Tank LH U/C</b> Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.	11
O	<b>Location LH U/C 70 Gallon</b>	0
S	<b>Standard DEF to Fuel Ratio 2:1 Or Greater</b>	0
S	<b>DEF Tank Small</b>	0
<b>Battery Box &amp; Bumper</b>		
O	<b>Omit Standard Battery Box</b> Use with passenger seat/in-cab battery box codes only	-45
S	<b>Aftertreatment Aluminum Non-Slip Cab Entry</b> Aftertreatment right-hand under cab step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box is aerodynamic.	0
O	<b>Steel Bumper Swept Back Painted Black, With FEPTO</b> Two tow pin holes and step plates on top of bumper	90
<b>Cab &amp; Equipment</b>		

Price Level: January 1, 2020  
 Deal: VILLAGE OF WIDSOR  
 Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
 Quote Number: QUO-587229-J5V0X9



<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
S	<b>Alum Cab 108in BBC Metton Hood w/Bright Crown</b> Includes view window RH door and convex mirror over RH door.	0
O	<b>Severe Service Cab Package #1</b> Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab.	39
O	<b>Thermal Insulation Package In Cab</b> Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure.	2
O	<b>Rubber Fender Lips 2" Wide</b>	8
O	<b>Peterbilt Premium UltraRide Driver Seat</b>	4
S	<b>Peterbilt UltraRide Passenger Seat</b>	0
O	<b>Drivers Armrests - LH &amp; RH</b>	4
O	<b>Black Seat Color IPO Standard Color</b>	0
O	<b>Mounted On In-Cab Battery Box</b> For use with non-air passenger seats only. Includes battery quick disconnect located under driver side door.	39
S	<b>Air Ride Driver</b>	0
S	<b>High Back Driver</b>	0
O	<b>Mordura Driver</b>	0
S	<b>High Back Passenger</b>	0
O	<b>Mordura Passenger</b>	0
O	<b>Adjustable Steering Column - Tilt/Telescope</b>	11
S	<b>Steering Wheel With Peterbilt Logo</b> Steering Wheel with embossed Peterbilt logo over horn button.	0
S	<b>Interior Gray/Black</b> Includes rugged charcoal instrument panels, glare-resistant gray dash, black bezels on gauges, (2) power ports, monochromatic molded door pads with durable in-mold color, gray molded back wall, 18 inch 4-spoke soft-touch steering wheel, soft-touch steering column cover, power lift passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) inside sunvisors, (2) coat hooks, (2) cup holders and map bin in dash.	0
O	<b>Extended Rear Window ipo Std Window-Day Cab</b>	18

Price Level: January 1, 2020  
 Deal: VILLAGE OF WIDSOR  
 Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
 Quote Number: QUO-587229-J5V0X9



Std/ Opt	Description	Weight
	The extended rear window protrudes two inches more than the standard conventional rear cab window. Take this into consideration when determining your loadspace.	
S	<b>Day Cab Rear Window</b> Day cab rear window flush to back of cab.	0
S	<b>1-Piece Curved Windshield</b>	0
S	<b>Combo Fresh Air Heater/Air Conditioner</b> With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	0
O	<b>Outside Sunvisor - Stainless Steel</b> Not available with 2.1M high roof sleeper.	4
O	<b>Mirrors SSSL Each Side Heated and Motorized</b> with Switch on Door.	2
O	<b>(2) Convex 8 Inch SSSL Mirrors</b> Center mounted under mirror bracket. If rear view mirrors are heated, the convex mirrors will be heated. Option includes dual door stops.	4
O	<b>Mirror Aux RH Fender/Hood</b> (2 legs on fender and 1 leg on hood)	4
O	<b>Mirror Aux LH Fender/Hood</b> (2 legs on fender and 1 leg on hood)	4
S	<b>Power Package</b> Includes power door locks and power windows.	0
O	<b>Polished Lower Mirror Bracket Covers</b>	0
O	<b>(1) Air Horn 24.5" Chrome - Round w/Horn Shield</b>	8
O	<b>Standard Speaker Package For Cab</b> (2) Speakers	4
O	<b>ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3.</b>	10
O	<b>CB Terminals/Wiring Mounted Under Header</b>	0
O	<b>CB Antenna Mounting, LH Mirror</b> Available with Rami only on 1.9m, available without Rami on medium duty	1
O	<b>Radio Antenna Mounted on LH Mirror Bracket</b>	0
O	<b>Plug-In Auto Reset Circuit Breaker</b> in place of fuses in junction box.	0
S	<b>Peterbilt Electric Windshield Wipers</b> With Intermittent Feature.	0
O	<b>CabMate Cab Air Suspension</b> Mfg by Link. The class 8 conventionals (except Model 348) includes (2) airbags, (2) shock absorbers, (1) leveling valve, radius rod, and height limiter. The Models 330, 337, and 348 includes (1) airbag and (1) shock absorber.	15
O	<b>Triangle Reflector Kit, Ship Loose</b>	13

Price Level: January 1, 2020  
Deal: VILLAGE OF WIDSOR  
Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
Quote Number: QUO-587229-J5V0X9



Std/ Opt	Description	Weight
	Florescent triangle emergency road flares are designed to meet and exceed all DOT standards.	
O	<b>Fire Extinguisher, Cab Mounted</b> Hazmat approved UL listed/rated ABC	8
O	<b>Backup Alarm (107 DB)</b>	3
O	<b>Main Transmission Oil Temperature Gauge</b> Located in Driver Information Display	0
S	<b>Air Restriction Indicator</b> Mounted on air cleaner, intake piping, or firewall	0
O	<b>Bright Bezel Gauges</b>	0
S	<b>Main Instrumentation Panel, Graphics Display</b> Includes speedometer with trip odometer, tachometer with houmeter and outside air temperature display, voltmeter, engine oil pressure, engine coolant temperature, fuel level, primary and secondary air pressure gauges. Includes standard warning light package: high water temperature, low oil pressure, and low air pressure warning lights with audible alarms, high beam, turn signal, low fuel, parking brake, and ice warning indicators; seat belt reminder; rocker switches with long-life LED indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), Intermittent windshield wiper and headlamp beam control. Hydraulic braked trucks do not include air pressure gauges.	0
O	<b>Dual Output Sensors For Road &amp; Engine Speed</b> Terminals routed to back of cab / front of sleeper	0
S	<b>Headlights Composite Fender Mounted</b> Integral park, turn, and side marker	0
S	<b>(5) Marker Lights, Aero LED</b>	0
O	<b>Daytime Running Lights</b> The brake interlock turns the daytime running lights off when the parking brakes are engaged. This is required on all Canadian vehicles.	0
O	<b>(2) Additional Dome/Reading Lights, Ceiling Mtd</b>	0
S	<b>Incandescent Square Stop/Turn/Tail/Backup</b> Left-hand / right-hand square end of frame or dropped a-brace	0
<b>Paint</b>		
S	<b>Standard Paint Color Selection</b>	0
S	<b>(1) Color Axalta Two Stage - Cab/Hood</b> Base Coat/Clear Coat N85020 A- F8802EY OMAHA ORANGE N85500 CAB ROOF F8802EY OMAHA ORANGE N85300 FENDER F8802EY OMAHA ORANGE N85200 FRAME L0001EA BLACK N85400 HOOD TOP F8802EY OMAHA ORANGE	0

Price Level: January 1, 2020  
 Deal: VILLAGE OF WIDSOR  
 Printed On: 2/3/2020 2:45:42 PM

Date: February 03, 2020  
 Quote Number: QUO-587229-J5V0X9



<i>Std/ Opt</i>	<i>Description</i>	<i>Weight</i>
<b>Shipping Destination</b>		
O	Shipping Destination To Dealership	0
<b>Options Not Subject To Discount</b>		
S	Peterbilt Class 7 Standard Coverage 1 year/Unlimited Miles/km	0
S	PACCAR PX-9 Standard Coverage 2 yrs/250,000 mi (402,336 km)/6,250 hrs	0
O	Vehicle Layout Option is not subject to discount. Fleets will be split prior to build so that the charge is applied to only one unit. Quotes will not reflect this.	0
<b>Miscellaneous</b>		
S	2017 EPA Emissions Engine Warranty Only	0
O	Presentation Created With SmartSpec	0

**Promotions**

**Order Comments**



Total Weight

12,381

## Prices and Specifications Subject to Change Without Notice.

---

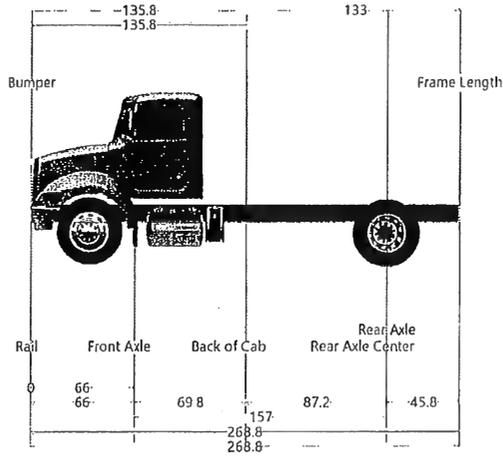
Unpublished options may require review/approval.  
Dimensional and performance data for unpublished options may vary from that displayed in CRM.

---

### **PRICING DISCLAIMER**

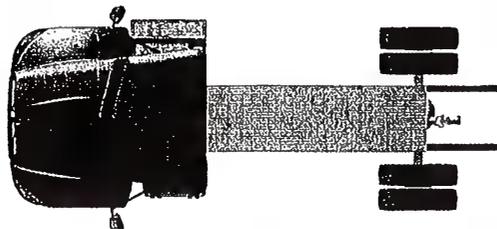
*While we make every effort to maintain the web site to preserve pricing accuracy, prices are subject to change without notice. Although the information in this price list is presented in good faith and believed to be correct at the time of printing, we make no representations or warranties as to the completeness or accuracy of this information. We reserve the right to change, delete or otherwise modify the pricing information which is represented herein without any prior notice. We carefully check pricing specifications, but occasionally errors can occur, therefore we reserve the right to change such prices without notice. We disclaim all liability for any errors or omissions in the materials. In no event will we be responsible for any damages of any nature whatsoever from the reliance upon information from these materials. Please check your order prebills to confirm your pricing information*

## HORIZONTAL DIMENSIONS



Dimension	Measurement	Start	End
Axle Spacing	0	157	157
Bumper to Back of Cab	135.8	-66	69.8
Bumper to Front Axle	66	66	0
Bumper to Front Frame	0	66	-66
Cab to End of Frame	133	69.8	202.8
Cab to Rear Axle	87.2	69.8	157
Effective Bumper to Back of Cab	135.8	-66	69.8
Frame Length	268.8	-66	202.8
Front Axle to Back of Cab	69.8	0	69.8
Front of Frame to Axle	66	-66	0
Load Space	133	69.8	202.8
Overall Length	268.8	-66	202.8
Overhang	45.8	157	202.8
Pusher Offset #1	0	157	157
Pusher Offset #2	0	157	157
Pusher Offset #3	0	157	157
Tag Offset	0	157	157
Wheelbase	157	0	157

## FRAME LAYOUT



Note: The image displayed is representative only. It should not be construed as a layout diagram. Dimensions and components are not to scale.

### Selected Options (Wheelbase: 157)

Sales Code	Description	Length	Side
6040550	Aftertreatment Aluminum Non-Slip Cab Entry	45.3	Right
5655019	DEF Tank Small	6	Left
5554100	26" Aluminum 70 Gallon Fuel Tank LH U/C	36.15	Left
6010390	Omnif Standard Battery Box	12	Center

Geared Speed Report (Engine Fan Off)

Configuration:	Model 348 / Full Truck GCW: 43000
Quota/DTPD/CO:	QUO-587229-JSV0X9
Engine:	2074405 PACCAR PX-9 330 @ 2000 GOV @ 2200 1000 @ 1400
Transmission:	4052110 Allison 3000 RDS-P Transmission, Gen 5
Rear Axle:	1513280 Dana Spicer S23-172, 23,000lb
Rear Tire:	5169310 RR, BR 16ply 11R22.5 M799   Revs/Min: 495
Operating Conditions:	0% Rolling Resistance

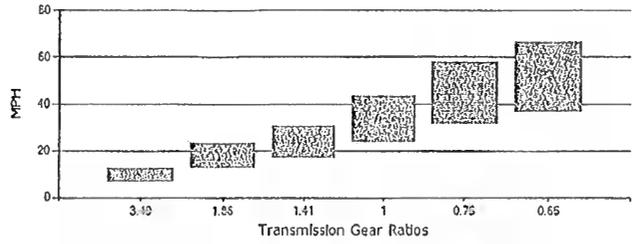
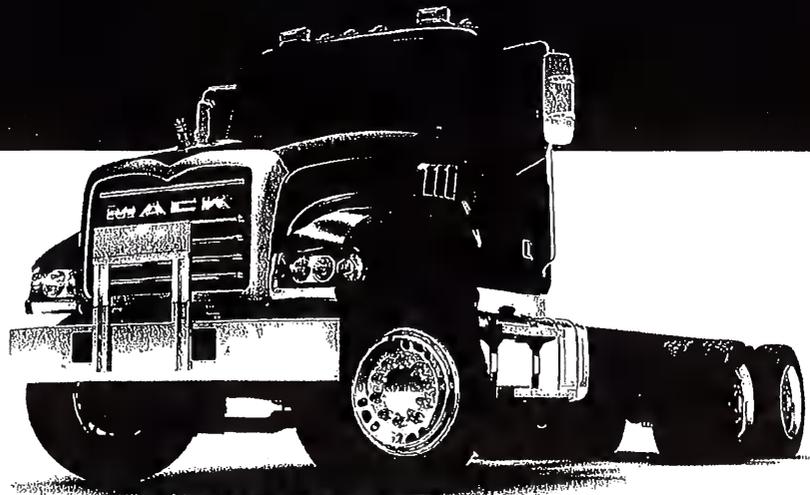


Exhibit D

S





MADISON TRUCK CENTER  
3722 Commercial Ave  
Madison, WI 53714  
P 608-244-3506

November 5, 2019

Village of Windsor  
4084 Mueller Rd  
DeForest WI 53532kl,

# Proposal 2021 Mack MHD Single Axle Patrol Truck

Sale Price

~~\$99,433~~

95,472

1/21/20

Dealer Included

Complete new truck pre-delivery inspection with DOT paper work

Dealer not included

State or County Tax  
Title or registration fees

Subject to final approval



KRIETEGROUP.COM

**MACK**



## TECHNICAL SPECIFICATION

### GRANITE 42FR MHD

APPLICATION PACKAGES			DESCRIPTION	WEIGHT (KG)		LIST PRICE
				FRONT	REAR	
PK4084	MHD AF CONFIG PKG		SLEEVED 66 OR 88 GALLON FUEL TANK, OUTBOARD AIR	0	0	0

CUSTOMER/VEHICLE INFO				DESCRIPTION	WEIGHT (KG)		LIST PRICE
					FRONT	REAR	
S	0027Q2	CHASSIS (BASE MODEL)	GRANITE 42FR MHD	2,106	1,425	0	
S	99X93X	ASSEMBLY PLANT	Made in Macungie, PA USA	0	0	0	
S	MP2001	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0	0	
S	013001	TYPE OF SERVICE	COMMERCIAL	0	0	0	
S	M98018	WARRANTY REGISTRATION LOCATION	US - WARRANTY REGISTRATION LOCATION	0	0	0	
S	505015	INITIAL REGISTRATION LOCATION	ALL 50 STATES, CARB ENGINE EMISSION (US17 / US21 / ZERO EMISSION)	0	0	0	
S	534014	LANGUAGE- PUBS/DECAL/SIGNS	ENGLISH	0	0	0	
S	DHX10X	ROAD CONDITION	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE	0	0	0	
	0051L5	VEHICLE USE & BODY/TRAILER TYPE	SNOW PLOW FRONT AND WING PLOW TRUCK	0	0	0	
	DKXAWX	GROSS COMBINATION WEIGHT	60,000 LB (27.5 TONNES) GROSS COMBINATION WEIGHT	0	0	0	
S	70BB1X	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)	0	0	0	
S	QCXB1X	TOPOGRAPHY	GRADES <6% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 16%	0	0	0	
S	E1BD1X	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT, WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR	0	0	0	
S	032A89	TERRAIN GRADE	ON-OFF HIGHWAY, STARTING GRADES<18%	0	0	0	
S	033A10	LOADING SURFACE	CONCRETÉ LOADING AND / OR UNLOADING SURFACE	0	0	0	
S	0342A2	VEHICLE VOCATION	CONSTRUCTION SERVICE	0	0	0	

**TECHNICAL SPECIFICATION** (cont.)



				WEIGHT (KG)		LIST PRICE
ENGINE/TRANSMISSIONS		DESCRIPTION	FRONT	REAR		
S	1001U0	ENGINE PACKAGE, COMBUSTION	ISL9-D 350 CUMMINS 350HP @ 2200 RPM (GOV) 1150 LB-FT, US'17			0
S	136AX6	TRANSMISSION	3000 RDS 6-SP ALLISON GEN5 W/PROGNOSTICS, WITH PTO PROVISION			0

				WEIGHT (KG)		LIST PRICE
EXHAUST/EMISSIONS		DESCRIPTION	FRONT	REAR		
S	CIRAA4	CARB 2008 IDLE REGULATION	IDLE EMISSION CERTIFICATION, CARB (WITH DECAL LOCATED ON LOWER LH CORNER / DRIVER DOOR			0
S	DPF05F	DPF DIESEL PARTICULATE FILTER	CUMMINS SINGLE MODULE E.A.T.S. RH SIDE UNDER CAB US17 (7L up to 270HP \ 9L up to 350HP only!!)			0
S	8NAA1X	DPF COVER	DPF COVER, PAINTED STEEL			0
S	DF1001	DEF TANK	6.6 GALLON (25 L) 22" INTEGRAL TO LH FUEL TANK			0
S	130AD7	EXHAUST	SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED END			0
S	KRXAPX	EXHAUST STACK HEIGHT	9' 6" FROM GROUND			0
S	Q0AA1X	EXHAUST SYSTEM MATERIAL FINISH	W/O BRIGHT FINISH EXHAUST			0
S	78AC5X	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2016			0

				WEIGHT (KG)		LIST PRICE
ENGINE EQUIPMENT		DESCRIPTION	FRONT	REAR		
	125025	AIR CLEANER	UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR CONTROLLED INSIDE-OUTSIDE AIR INTAKE			417
	1VAADX	AIR INTAKE SOURCE	INSIDE/OUTSIDE AIR INTAKE W/ IN-CAB CONTROL FOR SNOWPLOWS			0
	121AA4	BUG SCREEN	WINTER FRONT COVER ONLY			77
S	VWXA2X	COMPRESSOR CAPACITY	MERITOR/WABCO 318 (18.7 CFM)			0
	132AB2	ALTERNATOR	DELCO 12V 135A (35SI) BRUSHLESS			150
	316AA5	BATTERIES	(3) MACK 12V 760/2280 CCA THREADED STUD TYPE			52
S	393AA9	BATTERY BOX - MOUNTING	RH RAIL UNDER CAB (3 BATTERY MAX)			0
S	L5XA1X	BATTERY BOX COVER	MOLDED PLASTIC			0
	LLXC1X	EMERGENCY START CONNECTIONS	EMERGENCY START STUDS, BATTERY BOX MOUNTED			162
	318AA3	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE			142
S	NCXA5X	STARTER MOTOR	12 VOLT DELCO 39MT-MXT			0
S	110AA7	ENGINE BRAKE	JACOBS C BRAKE, 2 POSITION			0
S	118018	FAN DRIVE	KYSOR FAN, "ON-OFF"			0
S	119AH9	COOLANT PROTECTION	ETHYLENE GLYCOL EXTENDED LIFE COOLANT (50/50 MIX DYED RED) TO -34DEG			0
S	124AA3	HOSES - RADIATOR/HEATER	MACK EPDM RADIATOR & HEATER HOSES			0
	293AA3	FUEL-WATER SEPARATOR	DAVCO 382, (FLUID HTD) FUEL HEATER/WATER SEPARATOR W/VENDOR PRIMARY			356
S	MBXA1X	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION			0
	MCA04B	ENGINE HEATERS	12v ELECTRIC STARTING AID + 120v 1500w BLOCK HEATER + W/O OIL PAN HEATER			95
	5NXA1X	ENGINE BLOCK HEATER	120V 1500W ENGINE BLOCK HEATER			0

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	2 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

**TECHNICAL SPECIFICATION (cont.)**

ENGINE EQUIPMENT	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
NDXA1X	ENGINE STARTING AID	ELECTRIC PREHEATER	3	0	0
S QHXC1X	OIL PAN	OIL PAN	0	0	0

CLUTCH/TRANS EQUIPMENT	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
S 492007	GEAR SHIFTER	ALLISON DASH MOUNTED SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES)	0	0	0
195AA9	DRIVELINE - MAIN	MERITOR 176 MXL "XTENDED LUBE"	-2	-2	-1
S 76AA1X	PROPELLR SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE	0	0	0
S RCXB1X	BELL HOUSING	ALUMINUM	0	0	0
S 7RXAEX	LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS	0	0	0
S 139AA7	TRANSMISSION OIL COOLER	FURNISH FOR ALLISON TRANSMISSION W/DIRECT MOUNT COOLER	0	0	0

FRONT AXLE EQUIPMENT	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
240AA3	FRONT AXLE	20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	194	0	2,324
244AB4	SPRINGS - FRONT	MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING	12	0	4
241081	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 6" Q+	13	0	38
S U3XA1X	BRAKE, FRONT	CAST IRON	0	0	0
UDXA1X	FRONT AXLE BRAKE DUST SHIELD	DUST SHIELDS FOR FRONT AXLE	2	0	27
S U0AA1X	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC	0	0	0
S V7AD1X	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, MGM	0	0	0
S 0KXA1X	HUB MATERIAL, FRONT	FERROUS	71	0	0
S 1KAA1X	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE	0	0	0
245AB0	STEERING	SHEPPARD SD110 + HD94	93	0	1,449
S 7VXC1X	LUBRICANTS, FRONT AXLE	PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE	0	0	0

REAR AXLE EQUIPMENT	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
252AA6	REAR AXLE - SINGLE	23000# (10400kg) MERITOR RS-23-160 SINGLE REDUCTION	0	0	603
S 6MAA1X	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE	0	0	0
S 018AA1	CARRIER - REAR AXLE	VENDOR CARRIER	0	0	0
TAXKBX	REAR AXLE RATIO	4.89 RATIO	0	0	0
260AB1	REAR SUSPENSION - SINGLE	23000# MULTILEAF W/HELPER NO ANTI-SWAY	0	55	-77
S 253AA4	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+	0	-9	0
MAXCAX	BRAKE LINING MATERIAL DRIVE	ABEX 931-162 (MERITOR R301) (REAR EACH AXLE 23,000LBS MAX)	0	0	0
S U4XA1X	BRAKE, DRIVE, REAR	CAST IRON	0	0	0
S U1AA1X	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC	0	0	0

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	3 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

**TECHNICAL SPECIFICATION** (cont.)



				WEIGHT (KG)		LIST PRICE
REAR AXLE EQUIPMENT		DESCRIPTION	FRONT	REAR		
S	V1AB1X	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/30 TYPE	0	0	0
S	300AD0	REAR BRAKE CHAMBER	MGM TR-T, TAMPER-RESISTANT BRAKE CHAMBERS	0	0	0
S	0LXI5X	HUB MATERIAL, DRIVE	IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT	0	72	0
S	7WXA1X	LUBRICANTS, REAR AXLE(S)	FACTORY OPTION LUBE - REAR AXLE	0	0	0
S	9GAAAX	ABS SENSOR & MODULATOR	4S/4M SYSTEM REAR WHEEL END SENSORS	0	0	0
S	698AA4	ANTILOCK BRAKE SYSTEM	BENDIX WITHOUT TRACTION CONTROL	0	0	0
S	URXD1X	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE	0	0	0
S	3ZAA1X	SPRING BRAKE INVERSION VALVE	TRACTOR SPRING BRAKE INVERSION VALVE	2	0	0

				WEIGHT (KG)		LIST PRICE
FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION	FRONT	REAR		
	271180	WHEELBASE	180"	0	0	0
	374045	AF (OVERHANG)	45"	0	51	0
	274AA7	FRAME RAILS	STEEL - 300MM X 90MM X 9.5MM -- (11.81" X 3.54" X 0.37")	0	0	550
	5CAZ1X	FRONT FRAME EXT. (BOLTED ON)	W/O FRONT FRAME EXTENSION	0	0	-207
	A0XF3X	FRONT FRAME LENGTH	BUMPER POSITION EXTENDED 20" (SNOW)	46	-5	1,531
S	281AA5	CROSSMEMBERS	BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL	0	0	0
S	Q5AA1X	REAR CROSSMEMBER OPTIONS	FURNISH STANDARD STEEL CLOSING REAR CROSSMEMBER	0	0	0
S	4DXM9X	FRONT BUMPER	EXTENDED-SWEPT BACK-STEEL	0	0	0
S	4EXG1X	TOWING DEVICE, FRONT	HOOKS	0	0	0
S	2RAA1X	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L H TANK	0	0	0
S	288AF9	FUEL TANK - LH	66 GALLON (250 L) 22" STEEL, SLEEVED D-SHAPED	56	26	0
S	290AA1	FUEL TANK - RH	W/O RH FUEL TANK	0	0	0
S	JHXB1X	FUEL HOSES, LIQUID	BRAIDED HOSE	2	1	0
S	KFXA1X	FUEL TANK CAP	NON-LOCKABLE FUEL TANK CAP	0	0	0
S	Q2AA1X	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS	0	0	0

				WEIGHT (KG)		LIST PRICE
AIR/BRAKE		DESCRIPTION	FRONT	REAR		
S	VHXEDX	AIR DRYER - MANUFACTURER	WABCO 1200P W/TURBO CUT OFF VALVE, W/COALESCING OIL FILTER, HEATED	0	0	0
S	UWXC1X	AIRTANK DRAIN VALVE	MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS	0	0	0
S	U2XB1X	AIRTANK MATERIAL	STEEL	0	0	0
S	KOXA1X	AIR DRYER POSITION (CA)	W/O RELOCATION OPTION	0	0	0
S	141AA1	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS	0	0	0
	1JAABX	PARKING BRAKE VALVE	TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK	0	0	60

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	4 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

**TECHNICAL SPECIFICATION (cont.)**



ELECTRICAL	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
4GAA1X	PARKING BRAKE LIGHTING	PARKING BRAKE LIGHTING	0	0	0
5RXA6X	BACK-UP ALARM	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB	0	1	108
S 5FBB1X	MARKER/DIRECTIONAL SIGNAL	W/O MARKER/DIR SIGNAL OPTION	0	0	0
S 312AA6	ROOF MARKER LIGHT	(5) TRUCKLITE LED CHROME BULLET TYPE LAMPS	1	0	0
S LSXH1X	DAYTIME RUNNING LIGHTS	PARK BRAKE AND ENGINE RUNNING ACTIVATED	0	0	0
S NEXC1X	TAIL LAMPS	INCANDESCENT TAIL LAMPS	0	0	0

TRAILER CONNECTIONS	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
53XBAX	TRAILER GLAD HAND COUPLINGS	GLAD HAND COUPLINGS - NORTH AMERICAN STD	0	0	0
WGXC1X	TRAILER BRAKE VALVE	HAND CONTROL VALVE FOR TRAILER OR REAR SERVICE BRAKES - DUAL FUNCTION	3	0	76
301031	HAND CONTROL VALVE	HAND CONTROL VALVE FOR TRAILER OR REAR SERVICE BRAKES - DUAL FUNCTION	3	0	0
WHXQ2X	TRAILER CONNECTION POSITION	TRAILER AIR BRAKE CONNECTIONS, END OF FRAME	10	10	466
321031	TRAILER ELECTRICAL RECEPT	SINGLE 7 PINS STD SAE TYPE, END OF FRAME	0	0	162
S 3SAZ1X	TRAILER CONNECTORS HOLDER	OMIT TRAILER CONNECTORS HOLDER	1	0	0

PTO	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
S 2WAZ1X	PTO TRANS NEUTRAL CONTRL CHECK	W/O NEUTRAL CONTROL	0	0	0
S B83083	BODY BUILDER INTERFACE	BODY LINK III W/CAB PASS-THRU	2	2	0

SPECIALTY EQUIPMENT	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
S 2QEZ1X	BLINDSPOT DETECTION ALARM	WITHOUT BLINDSPOT DETECTION AUDIO ALARM DISABLE	0	0	0

CAB INTERIOR (A THRU G)	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
S 198048	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)	0	0	0
E0AAAX	GAUGE - TRANSMISSION OIL TEMP	TRANSMISSION OIL TEMP GAUGE	0	0	55
S 173AA5	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION	0	0	0
10XAJX	DOME LAMP, INTERIOR	RED FLOOR LIGHTING W/SWITCH PLUS (4) DOOR LAMPS W/SWITCHES	0	0	0
S 3XAA1X	DASH INDICATOR - LAMP BODY OUT OF POS	DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"	0	0	0
786066	FIRE EXTINGUISHER	5LB (ABC RATED/AMEREX) MOUNTED BETWEEN LH SEAT BASE AND DOOR WITH VALVE AIMED REARWARD	4	0	97
184AA3	FLOOR COVERING	POLYURETHANE FLOOR MAT W/POLYURETHANE INSERTS BOTH DRIVER & PASSENGER SIDES	7	0	90

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	5 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

**TECHNICAL SPECIFICATION** (cont.)



				WEIGHT (KG)		LIST PRICE
CAB INTERIOR (H THRU R)				FRONT	REAR	
		DESCRIPTION				
S	C52082	INSTMNT CLUSTER LANGUAGE	DEFAULT ENGLISH, SPANISH, FRENCH	0	0	0
S	20XA1X	KEY TYPES FOR DOORS	ALL CHASSIS KEYED AT RANDOM	0	0	0
S	13AA1X	DOOR OPENING OPTIONS	W/O ELECTRONIC KEYLESS ENTRY	0	0	0
S	17400N	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, CD-PLAYER, MP3, WEATHER BAND, BLUETOOTH	0	0	0
S	73AC1X	ANTENNA - RADIO	RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR	0	0	0
S	0LAA1X	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE	0	0	0
S	1WAB1X	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE	0	0	0
S	5CXB2X	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL	0	0	0
S	5JXAIX	COM.RADIO PREP KIT (CB)	CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE	0	0	0
S	21XA1X	AUXILIARY REAR WINDOW	REAR WINDOW (FIXED TYPE)	0	0	0
S	IFXB1X	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR	0	0	0
	784054	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC	5	2	40

				WEIGHT (KG)		LIST PRICE
CAB INTERIOR (S THRU 2)				FRONT	REAR	
		DESCRIPTION				
	004034	INTERIOR TRIM LEVELS	PREMIUM PACKAGE, STEEL GRAY (Package 12A)	0	0	695
	196ACK	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, W/ ADJ AIR SHOCKS, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION, W/ HEAT	0	0	715
	MAPD2X	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - STEEL GREY ULTRA-LEATHER	0	0	892
	197AA2	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX	3	0	221
	MAQC2X	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - STEEL GREY VINYL / CLOTH MIX	0	0	246
	0HAA1X	SEAT SUPPORT, DUST COVER	SEAT, DUST COVER FOR DRIVER'S SEAT	1	0	12
	3PXC1X	SEAT ARMREST	INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT	2	1	50
	592092	SEAT BELT(S)	LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT (NOT AVAIL W/EXTENDED RIDER SEAT)	0	0	116
S	2QAA1X	IGNITION TYPE	KEY TYPE	0	0	0
	161021	STEERING WHEEL	2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES	0	0	28
S	WSXBAX	WINDSHIELD TYPE	2-PIECE WINDSHIELD	0	0	0
	145AA5	CAB GLASS	HEATED TINTED WINDSHIELD, TINTED SIDE AND REAR WINDOW	0	0	498
S	JQXABX	WASHER RESERVOIR POSITION	WINDSHIELD WASHER RESERVOIR INSTALLED BOC	0	0	0
S	148AA3	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE	0	0	0

				WEIGHT (KG)		LIST PRICE
CAB EXTERIOR				FRONT	REAR	
		DESCRIPTION				
S	0EAB1X	AIR INTAKE GRILLE, FINISH	GRILLE PAINTED GRAY	0	0	0

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	6 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

TECHNICAL SPECIFICATION (cont)



				WEIGHT (KG)		LIST PRICE
CAB EXTERIOR		DESCRIPTION	FRONT	REAR		
S	400AA7	GRILLE	BLACK FINISH BARS W/O SURROUND RADIATOR MOUNTED	0	0	0
S	Q4XADX	DOOR WINDOW FRONT	AUX WIN. DOOR ON RIGHT SIDE NON STG WHL POS. DEPEND	0	0	0
S	2KXB1X	FRONT WHEEL OPENING	FENDER EXTENSIONS	2	0	0
S	5870B7	GRAB HANDLES	BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST	0	0	0
S	2DX90X	REAR CAB SUSPENSION	REAR CAB SUSPENSION, AIR	0	0	0
S	4UAA1X	HOOD LATCH FINISH	PAINTED HOOD LATCHES	0	0	0
S	154AA6	HORN - AIR	(1) BLACK TWIN TRUMPET, UNDER CAB MOUNTED	0	0	-59
S	LXXC1X	HORN - ELECTRICAL	SINGLE TONE	0	0	0
	1520D2	MIRRORS - EXTERIOR	FLAT MIRROR - POLISHED ALUMINUM FINSH, HEATED, WITH LAMPS	0	0	177
	153AA3	MIRRORS - CONVEX TYPE CAB DOORS	BRIGHT FINISH, LH & RH, 8" DIAMETER HEATED CONVEX	1	0	49

				WEIGHT (KG)		LIST PRICE
WHEELS & TIRES		DESCRIPTION	FRONT	REAR		
	900AA6	TIRES BRAND/TYPE - FRONT	11R22.5 G BRIDGESTONE M843 (12350 lbs) (Total for QTY = 2)	126	0	138
	4WCE1X	GHG STEER TIRE CATEGORY (PAWS)	BASIC ROLLING RESISTANCE, POOR FUEL ECONOMY	0	0	0
S	5310C1	WHEELS - FRONT	22.5x8.25 ALCOA ULTRA ONE ALUM DISC WHEEL 10-HOLE HUB PILOTED, (11.25"/286MM BC), 5.85" INSET (Total for QTY = 2)	36	0	0
S	49AALX	WHEEL FINISHING, FRONT	MACHINE CLEAN BUFFED-ALL WHEELS (Total for QTY = 2)	0	0	0
S	FWT002	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS	0	0	0
S	901AK6	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE M710 ECOPIA (23360 lbs) (DRIVE ONLY) (Total for QTY = 4)	0	220	0
S	4XCA1X	GHG DRIVE TIRE CATEGORY (PAWS)	ADVANCED LOW ROLLING RESISTANCE, BEST FUEL ECONOMY	0	0	0
S	3460B6	WHEELS - REAR	22.5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP, 11.25"BC, 6.60"OUTSET #ULTRAX (Total for QTY = 4)	0	72	0
S	2350E5	REAR DISC WHEEL:POLISH	MACHINE CLEAN BUFFED - ALL WHEELS (Total for QTY = 4)	0	0	0
S	RWT004	REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS	0	0	0
S	H1EB1X	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS LONGER LENGTH	0	0	0
S	15XABX	TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS	0	0	0
S	80AA1X	WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT	0	0	0
S	3PBA1X	WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR	0	0	0

				WEIGHT (KG)		LIST PRICE
ENGINE ELECTRONICS		DESCRIPTION	FRONT	REAR		
S	WOXA1X	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN	0	0	0
S	WMXA1X	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN	0	0	0
S	X0AB0X	SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME	0	0	0

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	7 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

**TECHNICAL SPECIFICATION (cont)**

				WEIGHT (KG)		LIST PRICE
ENGINE ELECTRONICS				FRONT	REAR	
		DESCRIPTION				
S	M3CA1X	IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	0	0	0
S	A8AALX	IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY	0	0	0
S	A4AAEX	IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY	0	0	0
S	B0AAAX	IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	0	0	0
S	B3ABAX	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)	0	0	0
S	B4ADAX	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	0	0	0

				WEIGHT (KG)		LIST PRICE
TRANSMISSION ELECTRONICS				FRONT	REAR	
		DESCRIPTION				
S	7790L9	TRANSMISSION ELECTRONICS PACKAGE	DUMP/VOCATIONAL(223) - ALLOWS TRUCK TO BE PUT IN GEAR WITHOUT SERVICE BRAKE (FOR PAVING)	0	0	0
S	MAV01V	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O ALLISON FUELSENSE 2 0 PROGRAMMING	0	0	0

				WEIGHT (KG)		LIST PRICE
VEHICLE ELECTRONICS				FRONT	REAR	
		DESCRIPTION				
S	JDXA1X	CRUISE CONTROL	CRUISE CONTROL	0	0	0
S	JFXLLX	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)	0	0	0
S	E3AACX	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)	0	0	0
S	Y3CC1X	PEDAL RSL SETTING	101 KM/H PEDAL ROAD SPEED LIMITER (63MPH)	0	0	0
S	JCXE6X	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)	0	0	0
S	X2BB1X	ROAD SPEED LIMIT CONTROL TYPE	RSL CONTROL TYPE NORMAL	0	0	0
S	W5BA1X	MAXIMUM ENG SPEED AT 0 MPH	1000 MAXIMUM ENGINE SPEED AT 0 MPH	0	0	0
S	A4BAAX	DETECTION SPEED SENSR TMPRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	0	0	0
S	8RXAEX	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	0	0	0
S	X3CB1X	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED	0	0	0
S	G5AAHX	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	0	0	0
S	G2AAGX	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	0	0	0
S	G4AAUX	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)	0	0	0
S	G3AAPX	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)	0	0	0
S	G1AABX	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN	0	0	0
S	W9A01X	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH	0	0	0

				WEIGHT (KG)		LIST PRICE
PAINT				FRONT	REAR	
		DESCRIPTION				
S	950AD0	PAINT DESIGN	SINGLE COLOR	0	0	0

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	8 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

TECHNICAL SPECIFICATION (cont.)



PAINT	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
S 924014	PAINT TYPE	SOLID PAINT	0	0	0
9443GU	PAINT COLOR - FIRST COLOR	OMAHA ORANGE, 31	0	0	0
S 945998	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR	0	0	0
S 946998	PAINT COLOR - THIRD COLOR	NO THIRD TRUCK COLOR PROVIDED, NO COLOR	0	0	0
S 996AA3	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT	0	0	0
S MPB944	CAB COLOR	SAME AS FIRST COLOR - CAB	0	0	0
S MPD944	HOOD COLOR	SAME AS FIRST COLOR - HOOD	0	0	0
S 951AA6	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE)	0	0	0
S 958018	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR	0	0	0
S 959099	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY***	MACK BLACK 09000PP, 3036	0	0	0
07XZ1X	FRONT WHEEL PAINT	WITHOUT SPECIAL PRE-FINISHED OPTION	0	0	0
08XZ1X	DRIVE WHEEL PAINT	WITHOUT SPECIAL PRE-FINISHED OPTION	0	0	0
S 954AA1	PAINTED DISC WHEELS, FRONT	WITHOUT PAINT	0	0	0
S 955AA1	PAINTED DISC WHEELS, REAR	WITHOUT PAINT	0	0	0
S 952AA1	SPOKE WHEELS-FRONT	WITHOUT OPTIONAL SPOKE WHEEL PAINT	0	0	0
S 953AA1	SPOKE WHEELS-REAR	WITHOUT OPTIONAL SPOKE WHEEL PAINT	0	0	0
S 962032	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR	0	0	0
S 963033	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR	0	0	0

BASE WARRANTY & PURCHASED COVERAGES	DESCRIPTION	WEIGHT (KG)		LIST PRICE	
		FRONT	REAR		
S 898003	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION	0	0	0
S M50030	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)	0	0	0
S M51041	ENGINE WARRANTY	CUMMINS ENGINES 8.9L (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0	0
S M52032	EMISSION COMPONENT COVERAGE	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0	0
S M540B4	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)	0	0	0
S M55055	CARRIER & AXLE HOUSING WARRANTY	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM)	0	0	0
S M56026	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE	0	0	0
S M57027	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0	0
S M58028	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)	0	0	0

ADDITIONAL ENGINEERING (Not Approved)	DESCRIPTION	WEIGHT (KG)		LIST PRICE
		FRONT	REAR	
CA 1		0	0	0

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	9 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

---

**FRONT / REAR AXLE WEIGHTS (KG)**

3873

2194

**TOTAL WEIGHT (KG)**

6,067

---

**PRICELIST  
DATE**

20190812

**QUOTATION**

KRIE2019000130D862

**DATE**

11/5/2019

**PAGE**

10 of 22

**CUSTOMER NAME**

VILLAGE OF WINDSOR

**DEALER NAME**

KRIETE TRUCK CENTER MADISON,  
INC



Units Required	Units	UoM
Vehicle Type	Aero Muscle Hood - Roof Fairing (0.60)	KPH
Performance Level	>67 MPH / >108KPH	KPH
Frontal Area	10.2	METER <sup>2</sup>
Accessory Power Loss	11.0	HP

**VEHICLE SPECIFICATION SUMMARY**

Model	GRANITE 42FR MHD	
Gross Combination Weight	60,000 LB (27.5 TONNES) GROSS COMBINATION WEIGHT	
Vehicle Application	ON-OFF HIGHWAY, STARTING GRADES<18%	
Body/Trailer Type		
Loading/Unloading Surface Type	CONCRETE LOADING AND / OR UNLOADING SURFACE	
Engine	ISL9-D 350 CUMMINS 350HP @ 2200 RPM (GOV) 1150 LB-FT, US'17	
Peak Power	HP	345.0 @ 1900 - 1900
Peak Torque	Newton Meters	1559 @ 1400
Transmission	3000 RDS 6-SP ALLISON GEN5 W/PROGNOSTICS, WITH PTO PROVISION	
Rear Axle	23000# (10400kg) MERITOR RS-23-160 SINGLE REDUCTION	
Rear Axle Ratio	4.89	
Rear Tire	11R22.5 G BRIDGESTONE M710 ECOPIA (23360 lbs) (DRIVE ONLY)	
Tire Revolutions per Kilometer	Kilometer	309
Total Reduction	3 18	

**CALCULATED PERFORMANCE SUMMARY**

	Speed	UoM	RPM	Desired/Recommended Value	Status
Engine RPM @ 105 KPH	105.0	KPH	1719		
Engine RPM @ Desired Cruise Speed	105.0	KPH	1719	1600 - 1900 rpm	
Engine RPM @ Road Speed Limit (RSL)	105.0	KPH	1719	< 2100 rpm	
Sweet Spot Cruise Speed Range in Top Gear	97.7 - 116.1	KPH	1600 - 1900		
Top Gear Speed Range	73.3 - 128.3	KPH	1200 - 2100	105.0 KPH	
Minimum Practical Speed In Reverse	4.7	KPH	600		
Maximum Practical Speed In Reverse	16.6	KPH	2100		
Minimum Practical Speed In Lowest Forward Gear	3.5	KPH	600		
Maximum Practical Speed In Lowest Forward Gear	12.1	KPH	2100		

**Concrete/Asphalt**

	Concrete/Asphalt	UoM
Wheel HP Required at (105 KPH) Cruise Speed	201.0 / 217.9	HP
Wheel HP Required at (120 KPH) Road Speed Limit	201.0 / 217.9	HP
Wheel HP Required at (148 KPH) Top Speed	321.9 / 343.7	HP

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	11 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

(cont.)

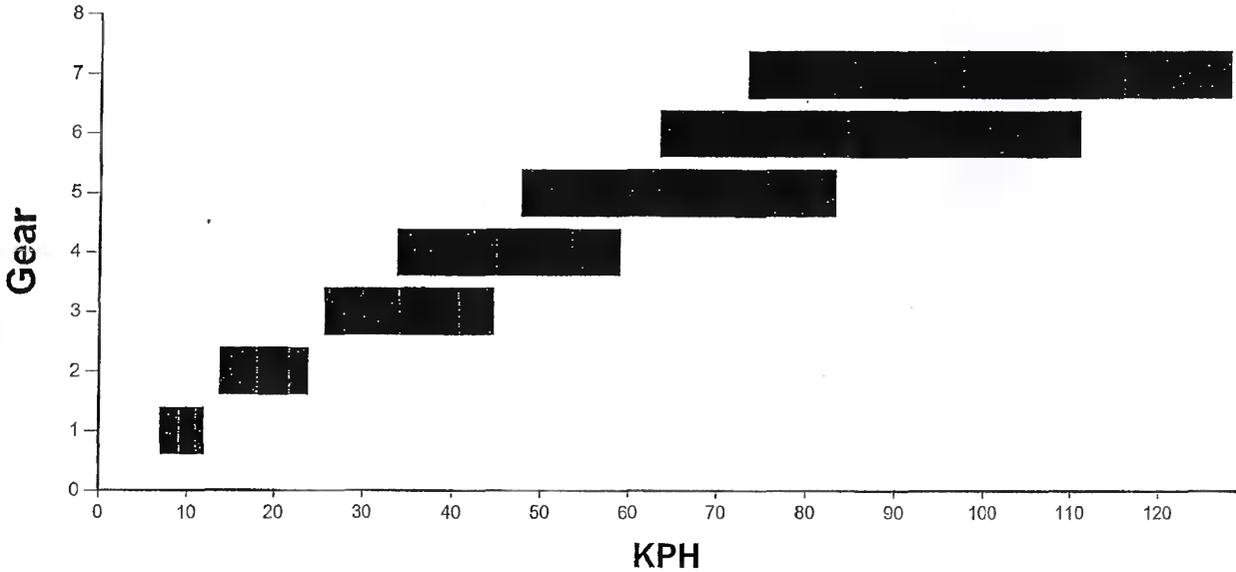


**VEHICLE SPECIFICATION SUMMARY**

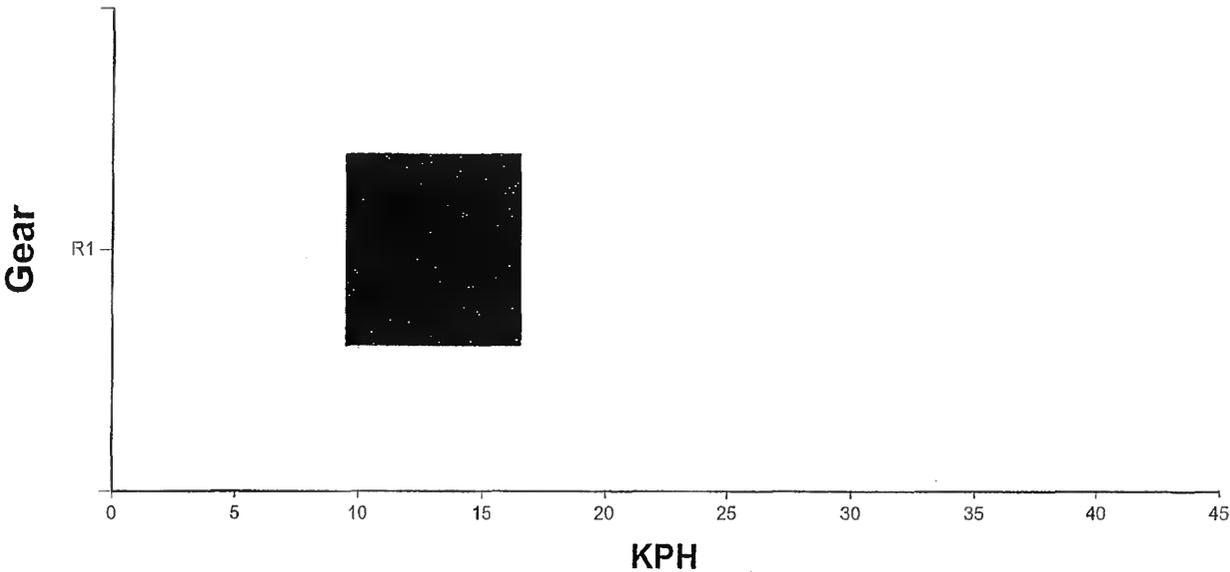
Gradeability		Recommended Min. Gradeability in Top Gear	
Maximum in Top Gear (Concrete)	1.4%	1.9%	
Maximum in Top Gear (Asphalt)	1.2%	1.9%	
Startability		Recommended Min. Startability	
In Lowest Gear	14.6%	18.0%	
Loading/Unloading Surface Type	CONCRETE LOADING AND / OR UNLOADING SURFACE		
		Recommended Speed on 1.5% Grade	
Speed on a 1.5% Grade (Concrete)	88.7 KPH @1675 rpm in 6th gear	>108 KPH PL5	
Suggested Value for Gear Down Vehicle Speed	RSL - 10		
Driveability Rating	Status		
100% Max Power available after shift	CAUTION!		
>95% Very Good >90% Acceptable			
Performance Level	Recommended Speed on 1.5% Grade	Min. Gradeability in Top Gear	
PL5 - High Performance	>108 KPH	1.9%	
PL4 - Performance	98 - 108 KPH	1.7%	
PL3 - Economy	87 - 97 KPH	1.5%	
PL2 - Fleet / Construction	75 - 86 KPH	1.3%	
PL1 - Heavy Haul	64 - 74 KPH	1.1%	

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	12 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

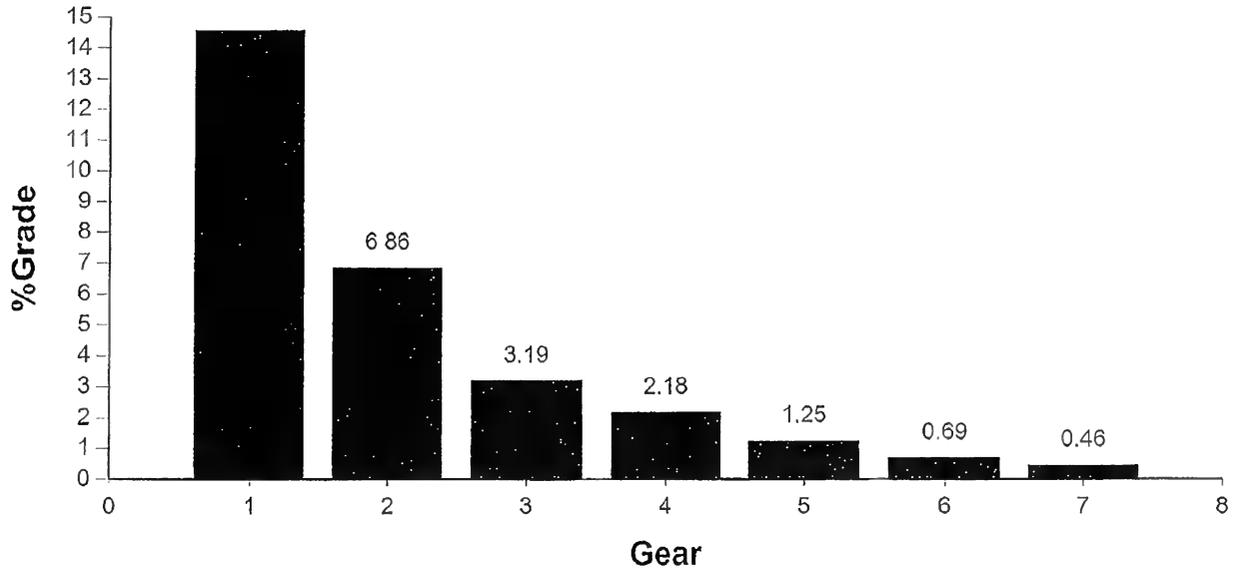
**Forward Geared Speed**



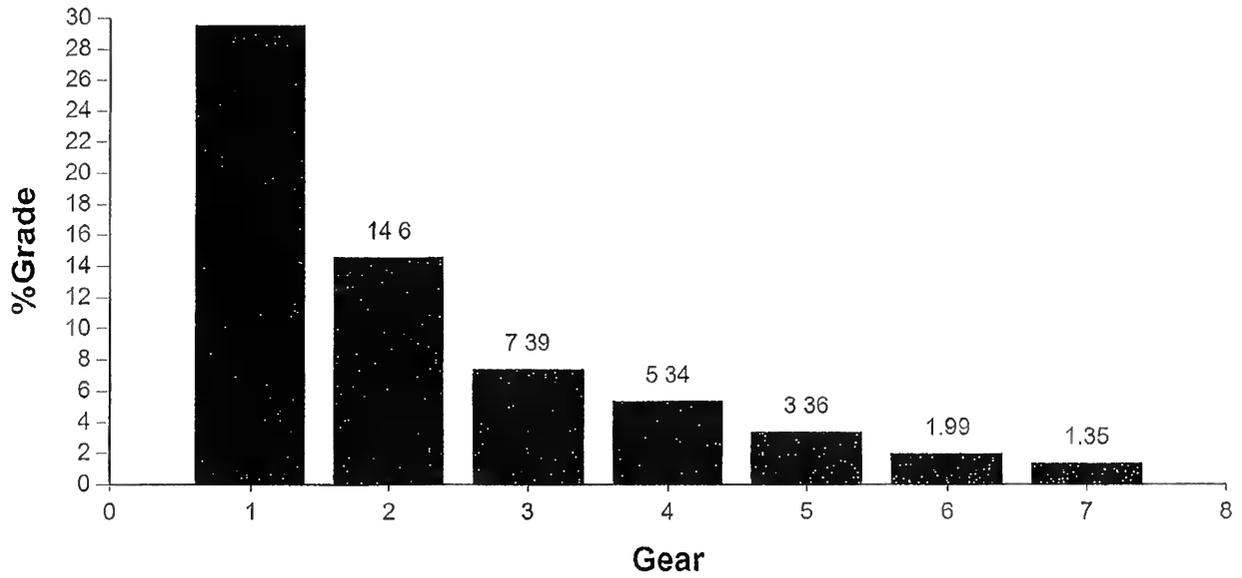
**Reverse Geared Speed**



## Startability

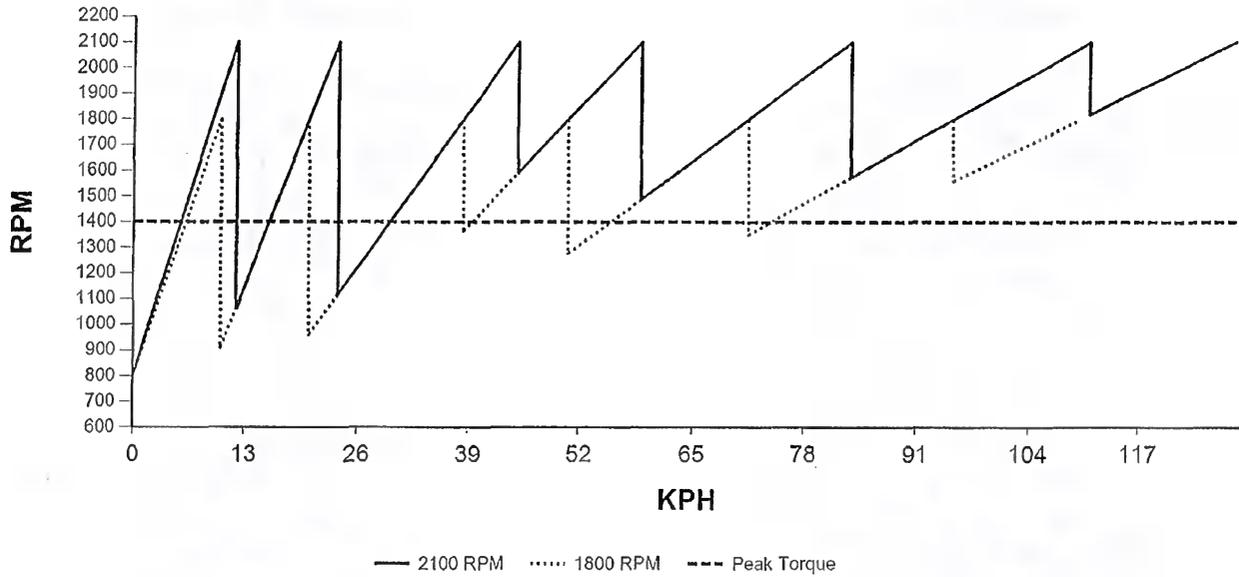


## Gradeability at Max Torque

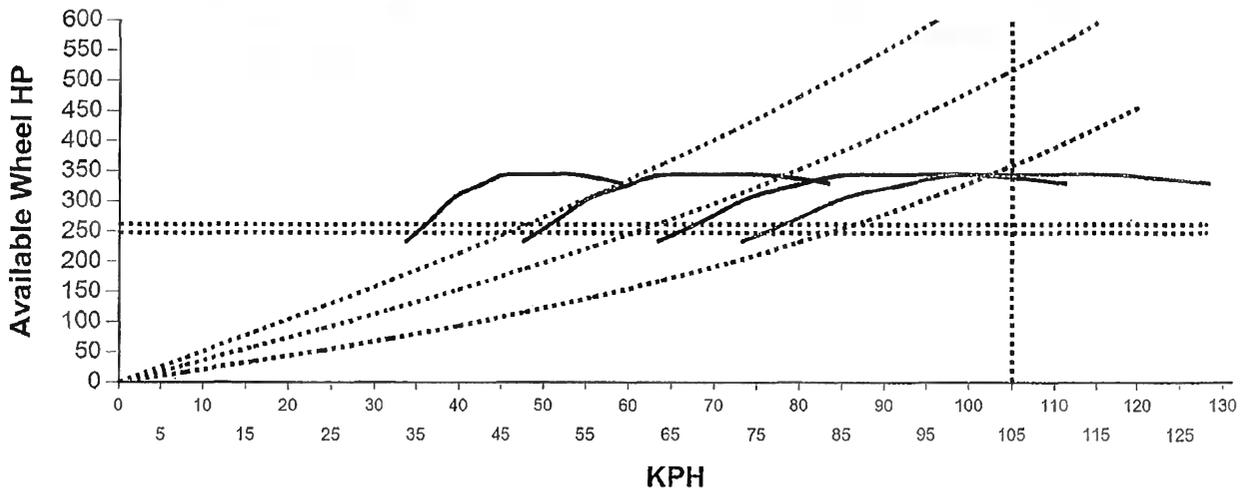


PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	14 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

### Shift Chart

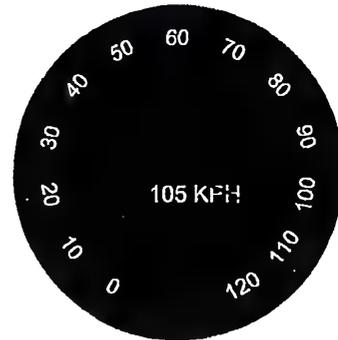
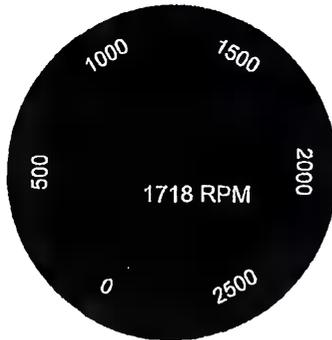


### Horsepower VS. Speed

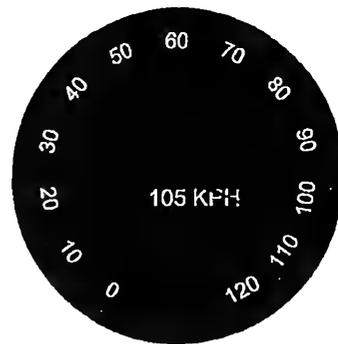


— 9th Gear	— 11th Gear	— 0.0% Grade	..... 3.0% Grade	..... Cruise Speed	..... 90% Power	..... 95% Power
— 10th Gear	— 12th Gear	..... 1.5% Grade	..... 4.5% Grade			

RPM at 105 KPH



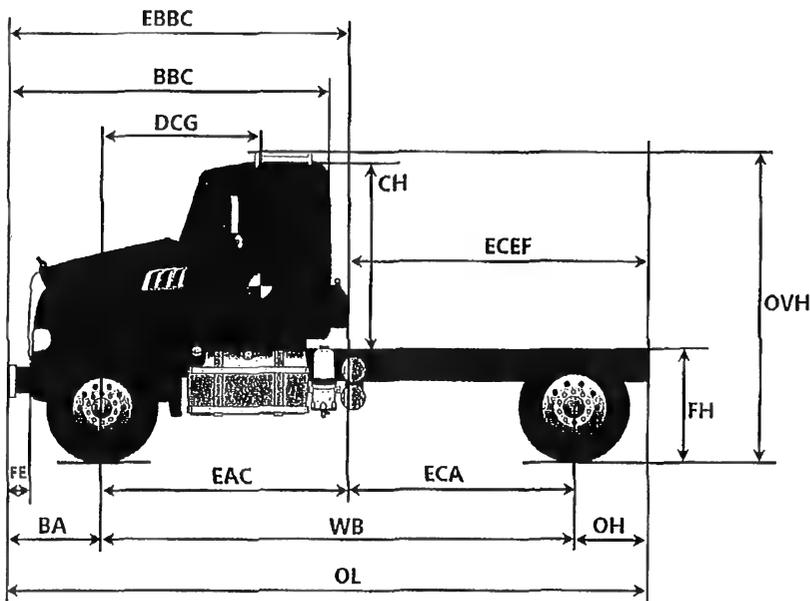
RPM at Cruise Speed



	KPH	RPM
Minimum of Engine Range	73.3	1200.00
Minimum of Economy Range	97.7	1600.00
Cruise Speed	105.0	1718.77
Maximum of Economy Range	116.1	1900.00
Road Speed Limit	105.0	1718.77
Maximum of Engine Range	128.3	2100.00

## VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	508	MM
Bumper to Front Axle	N/A	BA	737	MM
Wheelbase	N/A	WB	4560	MM
Rear Overhang	N/A	OH	1145	MM
Overall Length	N/A	OL	6442	MM
Bumper to Back of Cab	N/A	BBC	2960	MM
Eff. Bumper to Back of Cab	N/A	EBBC	3074	MM
Eff. Cab to Rear Axle	N/A	ECA	2223	MM
Eff. Front Axle to Back of Cab	N/A	EAC	2337	MM
Eff. Cab to End of Frame	N/A	ECEF	3368	MM
Unladen 5th Wheel Height	E5BZ1X	5W	0	MM
Unladen Frame Height	N/A	FH	1072	MM
Cab Height	N/A	CH	1800	MM
Overall Height	N/A	OVH	2951	MM
Driver CG	N/A	DCG	1800	MM
Second Front Axle Spacing	RHXZ1X	SFAS	0	MM



**PRICELIST DATE**  
20190812

**QUOTATION**  
KRIE2019000130D862

**DATE**  
11/5/2019

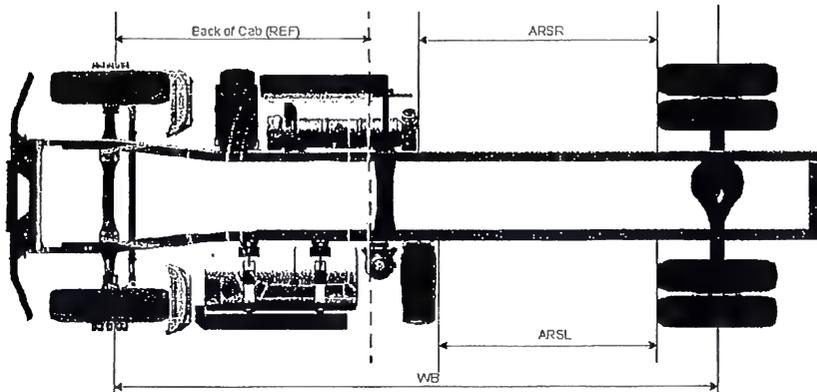
**PAGE**  
17 of 22

**CUSTOMER NAME**  
VILLAGE OF WINDSOR

**DEALER NAME**  
KRIETE TRUCK CENTER MADISON, INC

## VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value (mm)	Right Value (mm)
Wheelbase	N/A	WB	4560	4560
Available Rail Space Right	N/A	ARSR	N/A	1402
Available Rail Space Left	N/A	ARSL	1452	N/A
Eff. Front Axle to Back of Cab	N/A	REF	2337	2337
Front Axle To Fender	CDX24X	N/A	900	900
Cleartech One Unit	DPF05F	N/A	0	1346
Battery Box	393AA9	N/A	0	381
66 GALLON (250 L) 22" STEEL, SLEEVED D-SHAPED / W/O RH FUEL TANK	288AF9 / 290AA1	N/A	1132	0
Ad-Blue Tank	DF1001	N/A	191	0
Rear Deck Access	MZ7017	N/A	0	0
Quarter Fender	68XZ1X	N/A	0	0
Outboard Air Reservoirs Behind Fuel Tank	N/A	N/A	355	0
Drive Tire Radius	901AK6	N/A	531	531

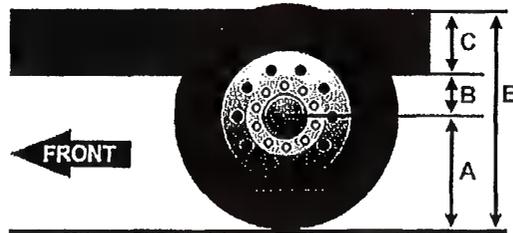


*Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact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

PRICELIST DATE	QUOTATION	DATE	PAGE	CUSTOMER NAME	DEALER NAME
20190812	KRIE2019000130D862	11/5/2019	18 of 22	VILLAGE OF WINDSOR	KRIETE TRUCK CENTER MADISON, INC

## VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Rear		UOM
			Unladen	Laden	
Requested Fifth Wheel Height	E5BZ1X		0	0	MM
Tire Radius	901AK6	A	531	495	MM
Suspension Height	260AB1	B	241	204	MM
Frame Depth	YBXGAX	C	300	300	MM
Closest Available Fifth Wheel Leg Height	N/A	D	0	0	MM
Total Height	N/A	E	1072	999	MM



**PRICELIST  
DATE**  
20190812

**QUOTATION**  
KRIE2019000130D862

**DATE**  
11/5/2019

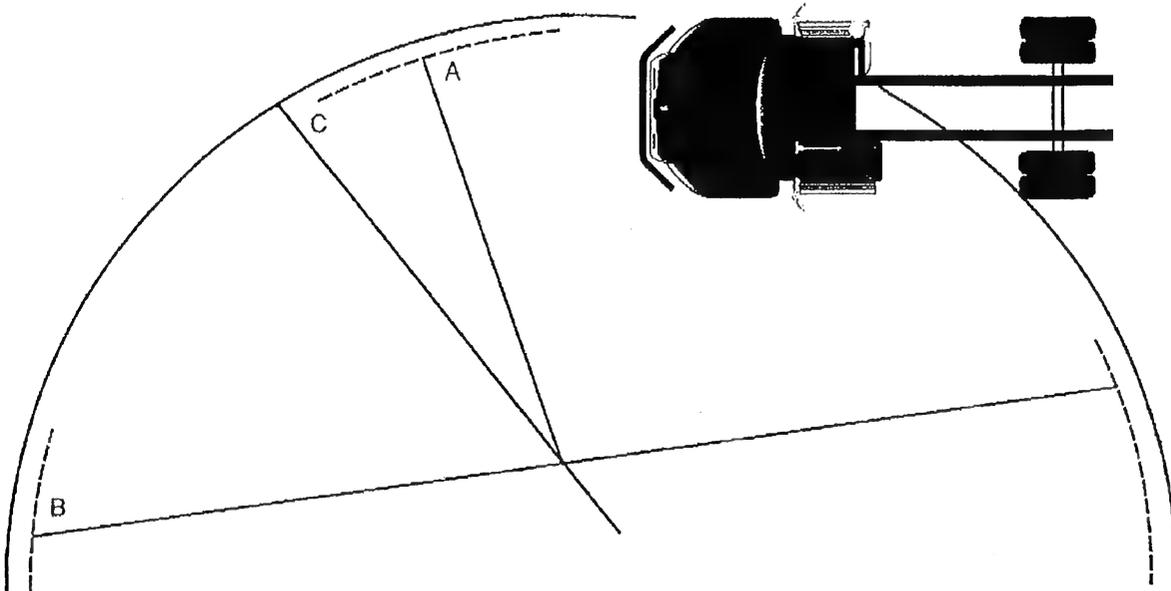
**PAGE**  
19 of 22

**CUSTOMER NAME**  
VILLAGE OF WINDSOR

**DEALER NAME**  
KRIETE TRUCK CENTER MADISON,  
INC

## VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg/Ref	Length	UOM
SAE Turning Radius	N/A	A*	8.5	M
Adjusted Turning Radius	N/A	A	8.6	M
Curb-to-Curb Diameter	N/A	B	17.4	M
Wall-to-Wall Diameter	N/A	C	19.0	M



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

The actual location of the turning center depends on

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

**PRICELIST  
DATE**

20190812

**QUOTATION**

KRIE2019000130D862

**DATE**

11/5/2019

**PAGE**

20 of 22

**CUSTOMER NAME**

VILLAGE OF WINDSOR

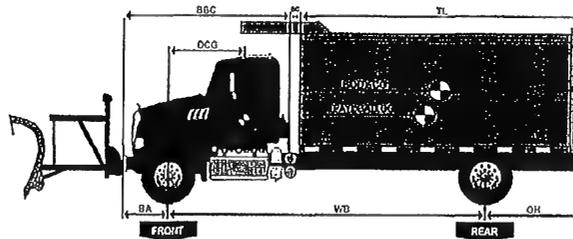
**DEALER NAME**

KRIETE TRUCK CENTER MADISON,  
INC

Inputs Required	Inputs	UOM
Driver Weight	91	KG
Total Body Length	5.0	M
Body Tare Weight	1588	KG
Additional Clearance from Back of Exhaust to Front of Body	153	MM
Front of Body to Body CG	2439	MM

### VEHICLE SPECIFICATION SUMMARY

Description	Description	Dwg. Ref.	Length	UOM
Bumper to Front Axle	N/A	BA	737	MM
Wheelbase	N/A	WB	4560	MM
Rear Overhang	N/A	OH	1145	MM
Bumper to Back of Cab	N/A	BBC	2960	MM
BOC Exhaust Space	130AD7	N/A	0	MM
Driver CG from Front Axle	N/A	DCG	1800	MM
First Pusher Axle Spacing			0	MM



### CALCULATED PERFORMANCE SUMMARY

Tare Weights	Front Axle	Rear Axle (G)	Total	UOM
Chassis	3873	2194	6067	KG
Driver	56	36	91	KG
Fuel	122	84	205	KG
Body/Trailer	-88	1677	1588	KG
Total Tare	3962	3990	7951	KG
Payloads				
First Body Payload	-451	8534	8082	KG
Total - Lift Axles Down	3510	12524	16033	KG
GAWR	5600	10433	27499	KG

**PRICELIST DATE**

20190812

**QUOTATION**

KRIE2019000130D862

**DATE**

11/5/2019

**PAGE**

21 of 22

**CUSTOMER NAME**

VILLAGE OF WINDSOR

**DEALER NAME**

KRIETE TRUCK CENTER MADISON, INC



**VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY**

Sub-Category	Sales Code	Sales Code Description	Value	UOM
Front Axle	240AA3	20000# (9100 KG) MACK FXL20 WIDE PIVOT CENTER STRAIGHT SPINDLE/UNITIZED BEARINGS	9072	KG
Front Suspension	244AB4	MACK TAPERLEAF 20000# (9100 KG) GROUND LOAD RATING	9072	KG
Front Tires	900AA6	11R22.5 G BRIDGESTONE M843 (12350 lbs)	5600	KG
Front Wheels	5310C1	22.5x8.25 ALCOA ULTRA ONE ALUM DISC WHEEL 10-HOLE HUB PILOTED, (11.25"/286MM BC), 5.85" INSET	6710	KG
		Front GAWR	5600	KG
Rear Axle	252AA6	23000# (10400kg) MERITOR RS-23-160 SINGLE REDUCTION	10433	KG
Rear Suspension	260AB1	23000# MULTILEAF W/HELPER NO ANTI-SWAY	10433	KG
Rear Tires	901AK6	11R22.5 G BRIDGESTONE M710 ECOPIA (23360 lbs) (DRIVE ONLY)	10596	KG
Rear Wheels	3460B6	22 5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP, 11.25"BC, 6.60"OUTSET #ULTRAX	13426	KG
		Rear GAWR	10433	KG
		Truck GVWR	16033	KG
		Gross Combination Weight Rating	27499	KG

**PRICELIST DATE**

20190812

**QUOTATION**

KRIE2019000130D862

**DATE**

11/5/2019

**PAGE**

22 of 22

**CUSTOMER NAME**

VILLAGE OF WINDSOR

**DEALER NAME**

KRIETE TRUCK CENTER MADISON, INC