



## Municipal Maintenance Equipment

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1930 W. Winton Ave., Suite 8 • Hayward, CA 94545 • (510) 670-0230 • Fax: (510) 670-9003

September 24, 2012

City of Sparks  
P.O. Box 857  
Sparks, NV 89432

TEL 775-353-2271  
rkorman@cityofsparks.us

Attention: Ron Korman

We are pleased to provide the enclosed contract pricing sheet off the National Joint Powers Alliance Contract No. 032710-AMI for the Schwarze Model A9000 Regenerative Air Sweeper mounted on a new 2013 International 4300 truck chassis for your review.

Summary: Complete Unit Price, F.O.B. Sparks, NV \$230,325.00

- City Purchase Order to be prepared and sent directly to Atlantic Machinery, Inc.
- Pricing does not include any applicable sales tax.
- City to process DMV registration.
- Pricing includes delivery and on-site training.
- Delivery 120-180 days A.R.O.
- Terms per NJPA Program.

Thank you for your continued interest in this fine product. Should you have any questions or need additional information, please let us know. We look forward to being of service.

Sincerely,  
Municipal Maintenance Equipment, Inc.

Frank Wheeler III,  
Vice President

Enclosures

# ATLANTIC

## MACHINERY INC.

Sewer and Street Equipment Specialists

9/24/12      NATIONAL JOINT POWERS ALLIANCE PRICE WORKSHEET FOR A SCHWARZE A9000 SWEEPER

Customer:      City of Sparks      Location:      Nevada  
 Participating Dealer: Municipal Maintenance Equipment

Description	Amount
Schwarze Model A9000 Street Sweeper with all standard equipment	
2013 IHC Model 4300 chassis, automatic transmission, A/C, 33,000 GVWR, DT466 diesel with 2 speed rear	
Body mounting on chassis	
Dual steering, right and left hand steering	
Hopper volumetric capacity shall be not less than 9.6 cubic yards. The usable capacity shall not be less than 8.0 cubic yards	
Inspection doors shall be provided on left and right side of hopper. Hopper interior shall be coated with an anti-wear/anti-seize coating	
A hopper door open/close switch to be mounted on console to allow rear door to be operated from inside the cab.	
Heavy-duty steel blower shall be used to create air pressure and suction for removing debris from road surface. Sweepers that clean road surfaces by using suction only will not be accepted.	
Blower shall be a closed face turbine type with 10 curved blades, and shall be 32.75 inch diameter. Blower to be constructed of T-42 steel. A die cast aluminum alloy open face blower, either covered with rubber or not, or a die cast steel open face blower will not be accepted	
No sweeper will be considered without the fan being certified by the Air Movement and Control Association.	
Fan must provided 360 degree average dB rating of 72.0 or less at an unobstructed distance of 50 feet at 2000 RPM. Blower housing will be constructed of 3/16" abrasion resistant steel with the inside of the housing covered by a replaceable rubber wear liner.	
The sweeper pickup head shall not be less than 90 inches wide and 36" long giving a total head area of 3240 sq inches.	
Dual gutter brooms shall be 44" minimum diameter each and provide a minimum of 144" sweeping path (including suction head).	

Description	Amount
Sweeper will have sweeps in reverse which allows it to sweep in both forward and reverse with the head down without causing damage to head or other components. Sweeping heads that are not designed to sweep in reverse and that require add on devices such as chains attached to the head and chassis axle to meet this requirement will not be accepted.	
Dual gutter brooms shall incorporate a hydraulically actuated tilt capacity of 27 degrees remotely controlled from the console in the cab.	
Each gutter broom shall have gutter broom extension override with in cab controls to be able to extend and retract while in sweeping mode. This will allow the gutter brooms to scrub the pavement surface in front of the pickup head. At no time should the operator have to leave the cab to activate this function.	
In cab down pressure, brooms	
A hopper dump switch in cab shall be provided	
Hydraulic filter restriction alarm and indicator	
Low hydraulic level indicator in cab shall be provided	
Alternator, 100 AMP, auxiliary engine	
Engine remote throttle	
Remote hopper drop down screens	
Hopper 6" drain shall be provided	
Hopper dump shaker assist	
8" hopper hand hose with spring boom	
Hopper deluge shall be provided	
Hopper up alarm and indicator	
Dust control system shall be provided and shall be driven by an electric motor-driven water pump. Pump to produce 100 PSI.	
Water tank capacity shall not be less than 250 gallons and be constructed of polyethylene for strength and corrosion resistance	
Water tank low level alarm and indicator	
Water tank sight gauge, mounted on side of tank	
Front spray bar	

Description	Amount
Additional hopper spray bar with 7 nozzles	
A 25' fire hydrant fill hose, hydrant wrench and hose storage rack shall be provided.	
2 adjustable spray nozzles shall be located at each gutter broom, two spray nozzles on pickup head, 2 in the pickup tube and 2 in the body.	
Water system shall incorporate a purge system for flushing water lines during freezing conditions	
Rear mounted LED strobe light with guard shall be provided	
LED cab mounted strobe with guard	
Arrow stick, LED	
Manual sweeper, additional copy	
Automatic lubrication system Vogel	
Remote grease fittings, fan	
Silicone hoses for aux engine radiator	
Sweeper shall have stop/tail lights and turn signals mounted into the rear bumper at a height of 35", two dump lights mounted on the rear, two gutter broom lights (one each broom) a slow moving vehicle sign, cab mounted 5lb fire extinguisher and a warning triangle kit shall be provided	
Back up alarm	
18 7/8" wide x 10 1/2" tall x 24 5/8" deep lockable tool box shall be provided. Access shall be from the curb side of sweeper	
Sweeper to be painted with Dupont Imron 5000 Polyurethane paint, white	
CD chassis manual	
PRICE INCLUDES DELIVERY & TRAINING, CUSTOMER SITE	
TOTAL UNIT COST	\$230,325.00

**Pricing discounted pursuant to contract with National Joint Powers Alliance Contract.**

NJPA Contract No. 032710-AMI

Contractor: Atlantic Machinery, Inc. 2628 Garfield Ave Silver Spring, MD 20910

Phone Number: 301-585-0800

301-585-7681

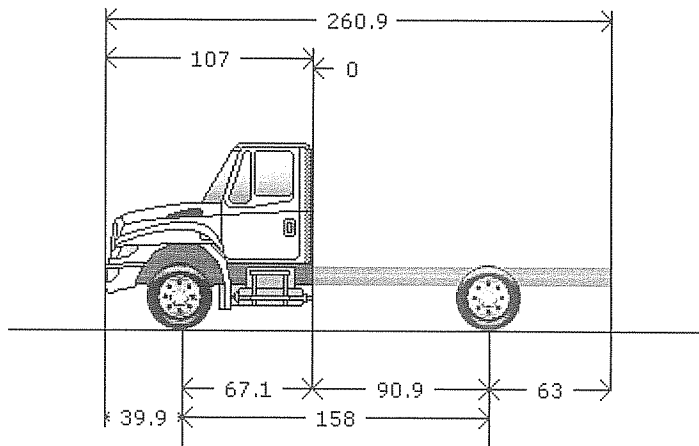
Contact: M.J. DuBois

Email: mjdubois@aol.com

**Prepared For:**  
 Schwarze Industries, Inc  
 Joe Hendrickson  
 1055 Jordan Rd.  
 Huntsville, AL 35811-  
 (800)879 - 7933  
 Reference ID: 13-DT-Sparks,NV

**Presented By:**  
 CHICAGO INTL TRUCKS  
 Robert Stokes  
 1440 Texas St.  
 Gary IN 46402  
 (219)886-1500

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



**Model Profile**  
**2013 4300 SBA 4X2 (MA025)**

<b>APPLICATION:</b>	Street Sweeper
<b>MISSION:</b>	Requested GVWR: 33000. Calc. GVWR: 33000 Calc. Start / Grade Ability: 27.00% / 1.39% @ 55 MPH Calc. Geared Speed: 70.3 MPH
<b>FUEL ECONOMY:</b>	7.17 MPG @ 55 MPH
<b>DIMENSION:</b>	Wheelbase: 158.00, CA: 90.90, Axle to Frame: 63.00
<b>ENGINE, DIESEL:</b>	{MaxxFace DT} EPA 10, 215 HP @ 2200 RPM, 560 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
<b>TRANSMISSION, AUTOMATIC:</b>	{Allison 2500_RDS_P} 4th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; On/Off Hwy; 33,000 lb GVW & GCW Max., With PTO Provision, Less Retarder
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity
<b>AXLE, REAR, SINGLE:</b>	{Dana Spicer 21065T} Two-Speed, 21,000-lb Capacity, R Wheel Ends Gear Ratio(s): 5.57, 7.60
<b>CAB:</b>	Conventional
<b>TIRE, FRONT:</b>	(2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
<b>TIRE, REAR:</b>	(4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
<b>SUSPENSION, RR, SPRING, SINGLE:</b>	Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
<b>PAINT:</b>	Cab schematic 100GA Location 1: 9219, Winter White (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
MA02500	Base Chassis, Model 4300 SBA 4X2 with 158.00 Wheelbase, 90.90 CA, and 63.00 Axle to Frame.	6139/2791	8930
1CAD	FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield); 10.250" x 3.092" x 0.375" (260.4mm x 78.5mm x 9.5mm); 427.0" (10846mm) Maximum OAL	70/233	303
1LLD	BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness  <u>Includes</u> : BUMPER, FRONT Powder Coated Gray (Argent) Color	0/0	0
1WEH	WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)	0/0	0
2ASC	AXLE, FRONT NON-DRIVING {Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity  <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.	41/0	41
3ADC	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers  <u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free  <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.	99/0	99
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications  <u>Includes</u> : 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 : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4  <u>Notes</u> : Front and Rear Dust Shields not Included : Rear Axle is Limited to 19,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCL BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered. : Rear Axle is Limited to 20,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCG BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered. : Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.	91/39	130
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)	9/21	30
4EBS	AIR DRYER {Bendix AD-9} With Heater  <u>Includes</u>	22/5	27

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: AIR DRYER LOCATION Inside Left Rail, Back of Cab		
4ERC	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	0/0	0
4ESX	BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 SqIn	0/0	0
4EVL	BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake	0/6	6
	<u>Includes</u> : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.		
4JCG	BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers	0/0	0
	<u>Notes</u> : Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES, FRONT, AIR CAM. : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.		
4NDB	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	0/27	27
	<u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.		
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity	46/-1	45
5708	STEERING COLUMN Tilting	10/0	10
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black	0/0	0
5PSA	STEERING GEAR {Sheppard M-100} Power	25/0	25
7BDA	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Right Side Back of Cab, Includes Horizontal Tail Pipe	0/0	0
	<u>Includes</u> : NOTE: The Horizontal Tailpipe Includes a Temperature Control Device		
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
	<u>Includes</u> : BATTERY BOX Steel : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : HORN, ELECTRIC Single : JUMP START STUD Located on Positive Terminal of Outermost Battery : 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 : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered		
8518	CIGAR LIGHTER Includes Ash Cup	1/0	1
8540	HORN, ELECTRIC (2)	2/0	2
8GGZ	ALTERNATOR {Leece-Neville LBP2224H} Brush Type; 12 Volt 120 Amp. Capacity, Pad Mount	0/0	0
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/ Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	0/3	3
8MEP	BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total	0/0	0
8RJU	RADIO {International} AM/FM Stereo With CD Player, Weatherband, Clock, Auxiliary Input, Includes Multiple Speakers	3/0	3
	<u>Includes</u> : SPEAKERS IN CAB (2) Coaxial with Deluxe Interior : SPEAKERS IN CAB (4) Coaxial with Premium Interior		
8WCL	HORN, AIR Black, Single Trumpet, Air Solenoid Operated	2/0	2
8WPP	ENGINE SHUTDOWN Automatic; With 30 Second Delay, With International Engines	1/0	1
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over- Crank Protection	0/0	0
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm	0/0	0
8WZK	HEADLIGHTS Halogen; Composite Aero Design for Two Light System	0/0	0
9HAD	GRILLE Chrome	0/0	0
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction	0/0	0
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GA"		
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
11001	CLUTCH Omit Item (Clutch & Control)	-62/-13	-75
12NUK	ENGINE, DIESEL {MaxxFORCE DT} EPA 10, 215 HP @ 2200 RPM, 560 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed	0/0	0
	<u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only) : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxFORCE Engines : COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Included with Fuel/Water Separator : FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted		



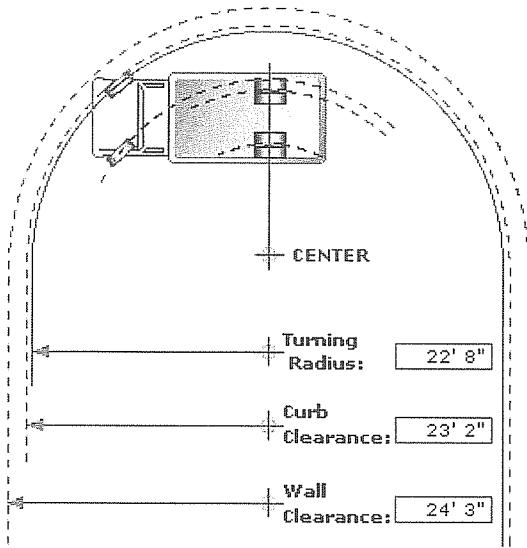
<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: GOVERNOR Electronic : OIL FILTER, ENGINE Spin-On Type : WET TYPE CYLINDER SLEEVES		
	<u>Notes</u> : Recommend Code 12THT when using front mount obstructions (winches, cones, reels, etc.) that restrict air flow through the radiator.		
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On	0/0	0
	<u>Includes</u> : FAN Nylon		
12UAY	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 817 SqIn Louvered, With 262 SqIn CAC, With In Tank Oil Cooler	52/-1	51
	<u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber		
12UXG	FEDERAL EMISSIONS for 2010; MaxxFace DT Engines	0/0	0
12VBR	AIR CLEANER With Service Protection Element	0/0	0
	<u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted		
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel	0/0	0
12VZA	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxFace post 2007 Emissions Electronic Engines	0/0	0
12WZC	EMISSION COMPLIANCE 5 Min., Tamper-Proof Engine Shutdown System, Complies With California Clean Air Regulations, Does Not Certify Engine for Low-NOx Extended Idling	0/0	0
13ALX	TRANSMISSION, AUTOMATIC {Allison 2500_RDS_P} 4th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; On/Off Hwy; 33,000 lb GVW & GCW Max., With PTO Provision, Less Retarder	-22/2	-20
	<u>Includes</u> : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan		
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints	0/0	0
13WYL	SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy Programming in Secondary	0/0	0
14CDL	AXLE, REAR, SINGLE {Dana Spicer 21065T} Two-Speed, 21,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.57, 7.60	0/73	73
	<u>Includes</u> : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle		
	<u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	: When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance		
14VAH	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring	0/66	66
	<u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.		
15SGK	FUEL TANK Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Deep, with Quick Connect Outlet, Mounted Right Side, Under Cab	0/0	0
16030	CAB Conventional	0/0	0
	<u>Includes</u> : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color		
16HBA	GAUGE CLUSTER English With English Electronic Speedometer	0/0	0
	<u>Includes</u> : GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout : WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)		
16HGH	GAUGE, OIL TEMP, ALLISON TRAN	1/0	1
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel	2/0	2
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust	2/0	2
	<u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type		
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust	49/31	80
	<u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
16SDC	GRAB HANDLE (2) Chrome Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar	6/0	6
16SDT	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostat Controlled, Power Both Sides Flat Glass Only, Clearance Lights LED,	9/0	9
16WCT	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  <u>Includes</u> : HEATER HOSES Premium : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : REFRIGERANT Hydrofluorocarbon HFC-134A	64/7	71
16WJS	INSTRUMENT PANEL Center Section, Flat Panel	0/0	0
16WJU	WINDOW, POWER (2) And Power Door Locks, Left and Right Doors, Includes Express Down Feature	5/0	5
16WKY	HVAC FRESH AIR FILTER	4/0	4
16WLE	STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door	1/0	1
16WRX	CAB INTERIOR TRIM Deluxe  <u>Includes</u> : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	0/0	0
27DMA	WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  <u>Includes</u> : PAINT IDENTITY, FRONT WHEELS White  <u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5	4/0	4
28DMA	WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stub (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  <u>Includes</u> : PAINT IDENTITY, REAR WHEELS White  <u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5	0/24	24

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
7372138107	(2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply	74/0	74
7372138107	(4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply	0/148	148
	Cab schematic 100GA		
	Location 1: 9219, Winter White (Std)		
	Chassis schematic N/A		
	<b>Total Component Weight:</b>	<b>6750/3461</b>	<b>10211</b>
1	Fontaine SDDD w/Fender Mirrors	0/0	0
	<b>Total Body Allied:</b>	<b>0/0</b>	<b>0</b>

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.



Series: 4000  
 Model: MA025  
 Description: 4300 SBA 4X2  
 Model Year: 2013

**Calculation Factors**

Wheelbase: 158  
 Front Axle: 0002ASC  
 Description: AXLE, FRONT NON-DRIVING, {Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity  
 Front Wheel: 0027DMA  
 Description: WHEELS, FRONT, DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  
 Front Tire: 07372138107  
 Description: TIRES, 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
 Steering Gear: 0005PSA  
 Description: STEERING GEAR, {Sheppard M-100} Power

**Turning Radius Statistics**

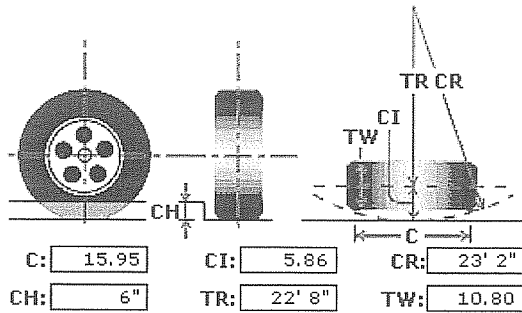
General Information

Inside Turn Angle: 50 Degrees  
 Radial Overhang: 19

Axle Information

KingPin Inclination: 6.25 Degrees  
 KingPin Center: 69

**Turning Radius - Curb View**



C - Curb Contact Length: 15.95  
 CI - Curb Clearance Increment: 5.86  
 CR - Curb Clearance Radius: 23'2"  
 CH - Curb Height: 6"  
 TR - Turning Radius: 22'8"  
 TW - Tire Width: 10.80

\* All Measurements are in inches, unless otherwise specified.

This information is based on engineering information available at this time. Actual figures may vary. Navistar, Inc. cannot accept liability for consequences due to this variance.