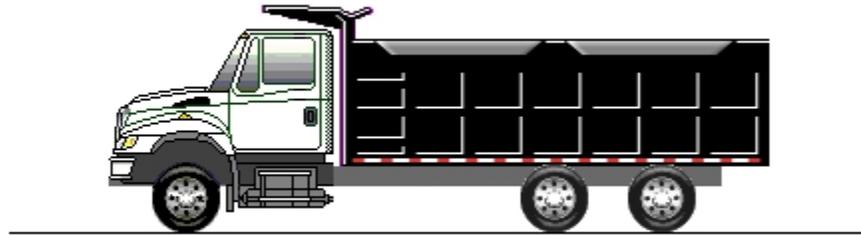


**Prepared For:**  
PALM BAY, CITY OF  
John Sparks  
1050 MALABAR RD  
PALM BAY, FL 32907-  
(407)768 - 6400  
Reference ID: Dump

**Presented By:**  
Cumberland International Trucks  
Chuck Calhoun  
2110 S. Division Ave.  
Orlando FL 32810 -  
(407)849-6440



**Model Profile**  
**2025 HV613 SBA (HV613)**

**AXLE CONFIG:** 6X4

**APPLICATION:** Construction Dump

**MISSION:** Requested GVWR: 64000. Calc. GVWR: 64000. Calc. GCWR: 80000  
Calc. Start / Grade Ability: 13.34% / 1.82% @ 55 MPH  
Calc. Geared Speed: 86.2 MPH

**DIMENSION:** Wheelbase: 205.00, CA: 137.90, Axle to Frame: 57.00

**ENGINE, DIESEL:** {International A26} EPA 2021, 365HP @ 1700 RPM, 1250 lb-ft Torque @ 900 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)

**TRANSMISSION, AUTOMATIC:** {Allison 3000 RDS} 6th 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

**CLUTCH:** Omit Item (Clutch & Control)

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

**AXLE, REAR, TANDEM:** {Meritor RT-46-164EH} Single Reduction, Standard Width, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 4.56

**CAB:** Conventional, Day Cab

**TIRE, FRONT:** (2) 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position

**TIRE, REAR:** (8) 11R22.5 Load Range G HDL2 (CONTINENTAL), 493 rev/mile, 75 MPH, Drive

**SUSPENSION, REAR, TANDEM:** {Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings

**FRAME REINFORCEMENT:** Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL

**PAINT:** Cab schematic 100WN  
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)
HV61300	Base Chassis, Model HV613 SBA with 205.00 Wheelbase, 137.90 CA, and 57.00 Axle to Frame.	8102/4132	12234
1586	TOW LOOP, FRONT	85/0	85
1AND	AXLE CONFIGURATION {Navistar} 6x4	-58/-53	-111
	<u>Notes</u> : Pricing may change if axle configuration is changed.		
1CBU	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL	59/173	232
1GBP	FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL	436/520	956
1LMX	BUMPER, FRONT Contoured, Steel, Painted, Heavy Duty	-4/0	-4
1WBC	CROSSMEMBER, SUSPENSION (1) 7-Piece Steel in lieu of (1) Double Dogbone, Forward	7/22	29
1WHP	WHEELBASE RANGE 183" (465cm) Through and Including 248" (630cm)	236/-236	0
1WMA	CROSSMEMBER, INTERMEDIATE (1) 5-Piece in lieu of Each Single Dogbone with 4x2 & 4x4 Chassis; Each Double Dogbone with 6x4, 6x6 & 8x6 Tridem Chassis	32/18	50
2ARZ	AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity	186/0	186
3ADG	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 18,000-lb Capacity, with Shock Absorbers	44/0	44
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	0/0	0
	<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 On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6		
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank	0/0	0
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System	0/0	0
4EBT	AIR DRYER {Bendix AD-IP} with Heater	12/15	27
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Sqli Spring Brake	0/14	14
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqli	4/0	4
4GBM	BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake	1/0	1
4LAA	SLACK ADJUSTERS, FRONT {Haldex} Automatic	14/0	14
4LGA	SLACK ADJUSTERS, REAR {Haldex} Automatic	0/32	32
4SPM	AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
4VKB	AIR DRYER LOCATION Mounted Inside Right Rail, Back of Cab	0/0	0
4VKK	AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail	3/-3	0
4WDW	BRAKE CHAMBERS, POSITION on Rear/Rear Axle Located Inside Rear Tire Envelope (Meets Asphalt Spreader/Paver Clearance Requirements)	0/0	0
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle	0/104	104
4XDT	BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity	33/0	33
4XEE	PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type	0/30	30
5708	STEERING COLUMN Tilting	12/4	16
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black	0/0	0
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power	103/-7	96
6DGT	DRIVELINE SYSTEM {Dana Spicer} SPL170 Main Driveline with SPL170 Interaxle Shaft, for 6x4	-3/-17	-20
7BEV	AFTERTREATMENT COVER Steel, Black	8/2	10
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab	57/20	77
7SDK	ENGINE COMPRESSION BRAKE by Jacobs; for N13/A26 Engines, with Selector Switch and On/Off Switch	0/0	0
7WBS	MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel	18/13	31
7WDM	EXHAUST HEIGHT 10'	17/11	28
7WDT	TAIL PIPE (1) Straight Type	8/5	13
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
	<u>Includes</u>		
	: 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		
8541	HORN, ELECTRIC (2) Disc Style	0/0	0
8GXJ	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	2/0	2
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud	0/0	0
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors	5/0	5
8RPP	ANTENNA Shark Fin, Roof Mounted	1/0	1
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input	3/0	3
8VUJ	BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab	0/0	0
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade	0/0	0
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	0/0	0
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn On if Windshield Wipers are Turned On	0/0	0
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start	0/0	0
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender	0/0	0
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord	3/0	3
8XNY	HEADLIGHTS Halogen	0/0	0
9585	FENDER EXTENSIONS Rubber	0/0	0
9AAB	LOGOS EXTERIOR Model Badges	0/0	0
9AAE	LOGOS EXTERIOR, ENGINE Badges	0/0	0
9HBM	GRILLE Stationary, Chrome	0/0	0
9HBN	INSULATION, SPLASH PANELS for Sound Abatement	3/0	3
9WBK	FRONT END Tilting, Fiberglass, with Three Piece Construction, Includes Long Hood	0/0	0
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "WN"	0/0	0
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
10AGB	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360	0/0	0
10WWP	MUD FLAPS, FRONT WHEELS (2) Rubber, Mounted on Fender Extension, for Tire Size 425/445	0/0	0
11001	CLUTCH Omit Item (Clutch & Control)	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
12BGN	ENGINE, DIESEL {International A26} EPA 2021, 365HP @ 1700 RPM, 1250 lb-ft Torque @ 900 RPM, 2100 RPM Governed Speed, 365 Peak HP (Max)	0/0	0
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed	0/0	0
	<u>Includes</u> : FAN Nylon		
12VBC	AIR CLEANER Single Element	0/0	0
12VGA	ENGINE CONTROL, REMOTE MOUNTED for PTO, for N13/A26/S13 Engines	0/0	0
12VJU	EMISSION, CALENDAR YEAR {International A26} EPA, OBD and GHG Certified for Calendar Year 2024	0/0	0
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted	0/0	0
12WVG	EPA IDLE COMPLIANCE Low NOx Idle Engine, Complies with EPA Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood	0/0	0
12WZE	CARB IDLE COMPLIANCE Does Not Comply with California Clean Air Idle Regulations	0/0	0
12XBD	RADIATOR Aluminum, Welded, Cross Flow, Front to Back System, 1292 SqIn, with 1008 SqIn Charge Air Cooler	0/0	0
	<u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber		
12XCS	CARB EMISSION WARR COMPLIANCE Does Not Comply with CARB Emission Warranty	0/0	0
13BCS	TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 6th 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	24/16	40
13WAW	OIL COOLER, TRANSMISSION {Modine} Water to Oil Type	25/0	25
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission	1/0	1
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints	0/0	0
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223	0/0	0
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released	0/0	0
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming	0/0	0
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring	3/0	3

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
13XAL	PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission	0/0	0
14HRC	AXLE, REAR, TANDEM {Meritor RT-46-164EH} Single Reduction, Standard Width, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 4.56	0/2383	2383
	<u>Notes</u> : Axle Lead Time is 45 Days		
14UMX	SUSPENSION, REAR, TANDEM {Hendrickson HMX EX 460} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with Transverse Torque Rods, Rubber End Bushings	0/593	593
14WCR	TRANSVERSE TORQUE RODS {Hendrickson} TRAAX Rod, Transverse Only	0/-8	-8
14WMK	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 65 thru 89.99 Pints	0/0	0
15DYP	DEF TANK 9.5 US Gal (36L) Capacity, Frame Mounted Outside Left Rail, Under Cab	0/0	0
15LKX	FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor	4/-3	1
15LLP	LOCATION FUEL/WATER SEPARATOR Mounted Inside Left Rail, Back of Cab	0/0	0
15SJR	FUEL TANK Top Draw, Non-Polished Aluminum, 26" Dia, 100 US Gal (379L), Mounted Left Side, Under Cab	42/32	74
16030	CAB Conventional, Day Cab	0/0	0
16BAM	AIR CONDITIONER with Integral Heater and Defroster	0/0	0
16GED	GAUGE CLUSTER Base Level; English with English Electronic Speedometer	0/0	0
	<u>Includes</u> : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/ Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)		
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	0/0	0
16SGH	GRAB HANDLE, EXTERIOR (2) Chrome, for Cab Entry, (1) Towel Bar Type, with Anti-Slip Rubber Inserts Mounted Left Side at B-Pillar, (1) Towel Bar Type Mounted Right Side on Vertical Exhaust	0/0	0
16SMN	SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl	16/7	23
16SNP	MIRRORS (2) C-Loop, Power Adjust, Heated, Black Heads and Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width	0/0	0
	<u>Notes</u> : Mirror Dimensions are Rounded to the Nearest 0.5"		

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
16VCC	SEAT BELT All Orange; 1 to 3	0/0	0
16VKB	CAB INTERIOR TRIM Classic, for Day Cab	0/0	0
	<u>Includes</u> : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap		
16VLV	MONITOR, TIRE PRESSURE Omit	-10/-1	-11
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood	0/0	0
16WSK	CAB REAR SUSPENSION Air Bag Type	0/0	0
16XCK	WINDOW, MANUAL (2) and Manual Door Locks, Left and Right Doors	0/0	0
16XJN	INSTRUMENT PANEL Flat Panel	0/0	0
16ZBT	ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab	0/0	0
27DUN	WHEELS, FRONT {Accuride 29807} DISC; 22.5x12.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Offset 5.37"	104/0	104
28DUK	WHEELS, REAR {Accuride 29169} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs	0/88	88
29WLK	WHEEL BEARING, FRONT, LUBE {EmGard FE-75W-90} Synthetic Oil	0/0	0
7372135432	(8) TIRE, REAR 11R22.5 Load Range G HDL2 (CONTINENTAL), 493 rev/mile, 75 MPH, Drive	0/-8	-8
7752665441	(2) TIRE, FRONT 425/65R22.5 Load Range L HAC 3 (CONTINENTAL), 465 rev/mile, 68 MPH, All-Position	112/0	112
	Cab schematic 100WN Location 1: 9219, Winter White (Std) Chassis schematic N/A		
	<b>Services Section:</b>		
40127	WARRANTY Standard for HV513, HV613 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2030A	0/0	0
	<b>Total Component Weight:</b>	<b>9750/7898</b> (lbs)	<b>17648</b> (lbs)
1	16 foot 17/18 yard Ox dump body painted black with vibrator, electric tarp and air tail gate.	0/0	0
	<b>Total Body Allied:</b>	<b>0/0</b> (lbs)	<b>0</b> (lbs)
	FSA Fees	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
	<b>Total Goods Purchased:</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.