



8200 Tyler Blvd. Suite H, Mentor, OH 44060
PHONE: (440) 357-5344 FAX: (440) 357-1942
concordroadequipment.com

Date: **10/29/2025**
Submitted To: **CSM Kenworth**
2890 Brecksville Road
Richfield, Ohio 44286
Attention: **Jim Watters** Phone: **(330) 659-4123**

Ship To: **CSM Kenworth**
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Quote Number
90516

Account Mgr. Jeff Warfield
Phone No. (440) 336-0758
Delivery Period
"See Terms and Conditions Below"

HISSONG KENWORTH SINGLE AXLE T480V WITH 104.00 INCH CA

CONCORD ROAD EQUIPMENT MFG., LLC 11 FOOT DUMP BODY SNOW AND ICE CONTROL EQUIPMENT PACKAGE WITH

"Force America 6100EX Dual Electric Joystick Armrest & Electric Spreader Controller"

DUMP BODY AND HOIST

Concord "PATRIOT SDS" Series- General

- #3075030 All 304-2B Stainless Steel Sides/Ends Construction
- **11 foot inside floor length**
- 84 inch inside floor width
- 96 inch outside body width
- 7.13-9.03 struck cubic yard capacity

Dump Body Sides

- All 7 gauge 304-2B stainless steel construction
- 30-inch tall (inside floor to top of tailgate)
- Fully boxed dirt shedding top rails
- Integral dirt shedding lower rub rails
- Full length integral formed intermediate horizontal brace
- Front body corner brace
- Full depth rear corner pillar with sloping dirt shedding top caps
- Two (2) additional intermediate vertical side braces per side
- ½ inch thick 304 stainless steel self-aligning tailgate upper hinge plates

Dump Body Tailgate

- 38-inch tall (inside floor to top of tailgate)
- 7 gauge 304-2B stainless steel construction
- Six (6) panel style bracing
- Fully boxed perimeter with dirt shedding top and bottom rails
- One (1) intermediate dirt shedding horizontal brace
- Two (2) intermediate vertical rails
- One (1) center inline type sliding patch gates
- Heavy-duty 1-inch-thick stainless steel "plate" upper offset hinge hardware
- 1-1/2-inch diameter stainless steel upper tailgate pins with grease zerks
- Heavy-duty 1-inch-thick stainless steel "plate" lower latching fingers
- 1-1/2-inch diameter stainless steel lower tailgate latching pins
- Air operated release mechanism with cylinder located vertically in rear dump body corner post
- Lifting ring, stainless steel-center of dump body

Dump Body Bulkhead

- 7 gauge 304-2B stainless steel front bulkhead
- Three (3) bend formed horizontal top rail
- One (1) additional horizontal intermediate bracing

Dump Body Floor & Understructure

- Crossmemberless western style "smooth bottom" understructure
- Floor constructed of 1/4-inch AR-400 abrasion and impact resistant 180kpsi steel floor
- Structural steel I-Beam body longitudinals

Dump Body Hoist

- Telescopic with three (3) active stages
- 91.00 inch overall stroke
- Power up and power down on all stages

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- Rated at 29.8-ton dumping capacity in this configuration
- 50-degree dump angle in this configuration
- Heavy-duty greaseable rear hinge assembly
- One (1) safety body prop

Dump Body Cab Shield-Chassis Upright Frame Mounted

- 24-inch 7 gauge 304-2B stainless steel FIXED POSITION stationary upright type
- Load bearing construction
- Cabshield fixed mounted to chassis frame rails
- Provisions for forward, side, and rear facing warning lamps
- Provisions for installation of integral tarp system

Body Passivation

- All dump body and cabshield stainless steel welds to receive "chemical passivation" to remove free iron surface contamination and to promote the formation of chromium-nickel oxide protective barrier
- Dump body exterior left in natural 2B stainless steel finish

CHASSIS AND DUMP BODY RELATED COMPONENTS

Pintle Tow Hitch Plate

- Rear chassis frame-mounted 3/4-inch-thick steel towing plate
- Provision for recessed trailer plug receptacle
- 55 degree offset lashing safety D-rings
- Tow plate recessed 3 inches to allow for clearance between pintle hook and UTG spreader when installed

Pintle Hook

- 20 ton capacity pintle towing hook
- 8,000 lb. maximum vertical load
- 40,000 lb. maximum towing capacity

Mud Flaps & Brackets

- Rear mud flaps with stainless steel quick pin mounting hardware behind rear chassis duals
- Stainless steel shields with 1/2 size mud flaps in front of chassis duals

Dump Body Mounted Steps/Rungs

- Two (2) dump body mounted step rungs
- All stainless-steel construction
- Serrated step rung style
- Rungs mounted on the street side rear of dump body, one above the other
- Vertical grab handles, stainless steel, one (1) each fore/aft of body mounted rungs

Dump Body Mounted Ladder

- One (1) fold-up stow-away type
- All stainless-steel construction
- Three (3) serrated step rungs
- Ladder installed below dump body mounted steps

Hardwood Sideboards

- Nominal 2 inches thick by 8 inches tall
- Painted- Unpainted
- Installed on top of body sides in front and rear corner sideboard pockets

Tailgate Lifting Ring

- Stainless steel construction
- Mounted center upper rail of tailgate

Conspicuity Tape System

- Alternating DOT red and white reflective
- Lower vertical face of body rub rails
- Tailgate perimeter bracing

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FORCE AMERICA 6100EX SIX (6) CIRCUIT LOAD SENSING PRESSURE COMPENSATED CENTRAL HYDRAULIC SYSTEM

System Hydraulic Pump

- Force America #1063355 Hydro Leduc
- Load sensing axial piston pump
- DIN input shaft
- 5.61 cubic inch displacement
- 29.15 gpm @ 1,200 rpm; 40.06 gpm @ 1,800 rpm

Power Take-off

- Transmission mounted Hotshift Power take-off
- Wet spline, Allison transmission, left side mount, 97% ratio

Low Hydraulic Oil Level Auto Shutdown System

- Interrupts (de-energizes) transmission mounted hotshift pto circuit should a low hydraulic oil situation arise
- Hydraulic reservoir mounted oil level sensor
- In chassis cab warning indicator lamp with audible warning buzzer
- Momentary override switch to allow stowing of deployed ancillary equipment

System Hydraulic Control Valve

- **Force America #1090588 ALL ELECTRIC operated**
- Six (6) circuit/function load sensing hydraulic directional control valve assembly
- One (1) double-acting hoist raise / lower circuit
- One (1) double-acting snowplow lift cylinder circuit
- One (1) double-acting proportional snowplow power angle circuit
- One (1) single acting granular materials spreader conveyor/auger circuit
- One (1) single acting granular materials spreader spinner circuit
- **One (1) single-acting granular materials spreader liquid prewet circuit (hydraulic Ciprovision only)**
- Entire valve assembly chassis frame mounted in a chassis frame mounted enclosure

Hydraulic Oil Reservoir

- Buyers Products SMR30VESS1
- Combination hydraulic oil reservoir with integral valve enclosure
- All 304-2B stainless steel construction
- Removable valve enclosure access cover
- Filler breather cap
- Sight level/temperature gauge
- Magnetic drain plug
- Suction port system service ball valve
- Hydraulic oil filter, in tank cartridge type with analog condition gauge
- One (1) spare filter element

System Return Line Manifold

- Single point return line manifold assembly
- All hydraulic system return lines enter manifold and exit one (1) common line to hydraulic oil reservoir return flow filter head assembly

System Operator Controls- Dump Body Hoist and Snowplow (cylinder circuits)

- **Force America #102275** in chassis cab dual electric proportional joystick armrest controller
- One (1) single axis center lock joystick controller for dump body hoist "raise and lower"
- One (1) dual axis joystick controller snowplow "raise and lower" and "power angle left and right"
- Armrest includes auxiliary switches for miscellaneous lighting circuits

System Operators Controls- Granular and Liquid Materials (motor circuits)

- Force America #MPJC-6100-3-GEN5-Ultra granular/liquid prewet controller
- Multi-mode/multi materials functionality
- Can be operated as a "open" or "closed" loop spreader control system

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- Three (3) available modes of operation; Ground speed orientated, Ground speed triggered, and Manual
- Data logging capabilities
- Full Operator control of auger/conveyor output (speed), spinner speed, and liquid prewet
- Tracks, stores, and reports materials usage, and systems event data
- USB supervisor's controller key, #1095378

System Snowplow Power Reversing Cylinder Protection

- Cross over relief valve mounted at front of chassis for plow power angle circuit protection
- Additional power angle circuit pressure relief to "dump" residual circuit oil pressure back to the hydraulic oil reservoir

System Hydraulic Plumbing

- Stainless steel rigid intermediate hydraulic tubing with short hydraulic whip hoses for all spreader connections at the rear of the chassis
- Stainless steel rigid intermediate hydraulic tubing with short hydraulic whip hoses for all snowplow connections at front of chassis
- All required hydraulic hoses, fittings, stainless steel quick couplers, filters, oil, etc., to make a complete, fully tested, calibrated, and operational six (6) circuit/function load sensing central hydraulic system.

BASE ELECTRICAL AND LIGHTING SYSTEMS

System Power Distribution Center

- In-cab power distribution panel for all body related electrical circuitry
- All components mounted to an aluminum distribution panel
- Clear poly cover and color-coded circuit diagram affixed for quick referencing of all body related electrical circuitry

System Dump Body "UP" Operators Warning

- Remote sealed proximity switch trigger activated
- In chassis armrest operator warning light

System Stop/Tail/Turn and Backup Lights

- Two (2) Buyers Products #5626261 LED Red stop, tail, and turn lights
- Lights recessed in rear corner pillars of dump body, one (1) each street and curb sides
- Remount OEM Chassis SST/BU chassis lights

System Work/Spreader Lights

- One (1) HEATED LED type, Buyers Products #1492198
- Exact location to be determined at time of order

Electronic Brake Controller

- Mounted in chassis cab within easy reach of operator
- Proportional type
- Rated for up to 4 axles (8 electric brakes)

Trailer Plug(s)

- Re-install OEM chassis commercial 7-round pin type (used for trailers w/ dedicated stop, tail, turn lights)
- Install 7-pin flat RV style trailer plug (used for trailers with combination stop, tail, and turn lights)
- Trailer plugs recessed in rear pintle hook plate

Snowplow Lights

- Buyers Products #1312200
- Heated LED
- Integrated marker and turn lights
- Chassis hood mounted on stainless steel brackets

Back Up Alarm

- Mounted at rearmost chassis crossmember

Back Up Camera

- Force America #1142655 back-up camera system
- Camera mounted at rear of chassis
- Activated and viewd on 6100EX display when chassis is in reverse

Standard FMVSS 108 lighting, LED type

- Red marker lamps

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- Amber Clearance lamps
- Rear license plate lamp

Base System Wiring and Connections

- All required wiring, wiring harnesses, **Deutsch or equal sealed weatherproof connections**, etc. for a complete and fully functional warning light system

BASE WARNING LIGHT SYSTEM- SIX (6) HEAD AMBER

Warning Lights-Dump Body Cabshield Mounted

- Four (4) Total
- Whelen 5G series, 5GAC Grommated Amber LED with Clear Lense
- One (1) each installed FORWARD FACING STREET SIDE CORNER of dump body mounted cabshield
- One (1) each installed FORWARD FACING CURB SIDE CORNER of dump body mounted cabshield
- One (1) each installed SIDE FACING STREET SIDE CORNER of dump body mounted cabshield
- One (1) each installed SIDE FACING CURB SIDE CORNER of dump body mounted cabshield

Warning Lights- Rearward Facing. Dump Body Rear Corner Pillars

- Two (2) Total
- Whelen 5G series, 5GAC Grommated Amber LED with Clear Lense
- One (1) each installed REAR FACING STREET SIDE rear corner post of dump body
- One (1) each installed REAR FACING CURB SIDE rear corner post of dump body

Warning Lights-Forward Facing. Plow Lights Bracket Mounted

- None Included

Warning Light Control/Switching

- When applicable, all lights controlled via OEM dash mounted switches
- Forward, side, and rear facing switch separately

System Wiring and Connections

- All required wiring, wiring harnesses, **Deutsch or equal sealed weatherproof connections**, etc. for a complete and fully functional warning light system

CHASSIS MOUNTED SNOWPLOW HITCH

Concord model TTN-400CL SERIES

- Heavy-duty low-profile center lift chassis mounted front snowplow hitch
- ½ inch formed steel channel H-frame uprights
- ½ inch wall structural steel tubing top horizontal
- ½ inch upper H-frame lift cap pivot ears
- Pivot ears include DOM steel tubing bushings with grease zerks

Heavy Duty Lift Cap

- Lift cap constructed of ½ inch steel plate
- Steel square tubing lift arm receiver
- Receiver includes provisions for adjusting lift arm length

Telescopic Adjustable Lift Arm

- Telescopic lift arm constructed of 3/8-inch x 3.0-inch x 3.0-inch structural steel tubing
- Lifting tube through drilled to allow various plow lift lengths
- Outboard lift arm includes both dual chain lift eyes and bottom clevis lifting point
- Entire lift cap and telescopic lift arm folds down for storage

Hydraulic Lift Ram

- 4 x 6-inch double acting lift ram
- Corrosion resistant nitrated cylinder rod

Hitch to Chassis Mounting

- Chassis specific mounting with 5/8-inch-thick steel push plates
- Push plates additionally reinforced with full 90 degree opposing "pass through" gusseting

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-
- All hitch mounting fasteners are Grade 8 flanged stover locking nuts
 - Hitch assembly includes heavy duty formed channel swept back bumpers

Snowplow Quick Attach/Detach Coupler

- Drop pin loop type
- Center single drop pin style
- Drop pin 2-1/2 inches in diameter
- Pin easily raised and lower with off-set pivot lift arm

Hitch Bumpers

- Two (2) piece design, one (1) streetside x one (1) curbside
- Constructed of ¼ inch formed steel channel
- Cast balls feet-pipe strut braces
- Each strut brace extends from approximate center of bumper to H-lift frame cheek mounting plates

Prep and Painting

- Entire hitch assembly Tuff Kote 4-step powder coat painting processing and powder coated gloss black

