



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

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

Ship To: **Hissong Kenworth**
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Quote Number
90498

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

HISSONG KENWORTH SINGLE AXLE T480V BASE 2025/2026 WITH 104.00 INCH CA

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

"Force America Dual Air Joystick Controls & Force America 5100EX 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



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- Power up and power down on all stages
- 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 SIX (6) CIRCUIT LOAD SENSING PRESSURE COMPENSATED CENTRAL HYDRAULIC SYSTEM

System Hydraulic Pump

- Force America No. 1063355
- Load sensing axial piston pump
- Hydra Leduc -1063355/CFG-999182
- DIN input shaft
- 5.61 cubic inch displacement 24.29 gpm @ 1000 rpm

Power Take-off

- Transmission mounted Hotshift Power take-off or equivalent
- DIN output shaft or equivalent
- Wet spline, Allison transmission, left side mount, 96% ratio or equivalent

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 No. 1090630
- Six (6) circuit/function Add-A-Stack 4020 Load sensing hydraulic directional control valve
- One (1) double-acting hoist raise / lower circuit (pneumatic/air shifted)
- One (1) double-acting snowplow lift cylinder circuit (pneumatic/air shifted)
- One (1) double-acting proportional snowplow power angle circuit (pneumatic/air shifted)
- One (1) single acting granular materials spreader conveyor/auger circuit (12v PWM)
- One (1) single acting granular materials spreader spinner circuit (12v PWM)
- One (1) single acting granular materials spreader liquid prewet circuit (12v PWM)
- Entire valve assembly chassis frame mounted in a chassis frame mounted enclosure

Hydraulic Oil Reservoir

- Force America No. 1097337
- Combination hydraulic oil reservoir with integral valve enclosure
- Filler breather cap
- Sight level/temperature gauge
- Magnetic drain plug
- Suction port system service ball valve
- Hydraulic oil filter, cartridge type
- One (1) spare filter element
- Hydraulic reservoir mounted oil level and temperature sensor

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 (cylinder circuits)

- Force America No. 1090630 in chassis cab pneumatic joystick adjustable control tower
- One (1) #1029363 single axis metering center lock joystick controller for dump body hoist "raise and lower"
- One (1) #1029327 dual axis joystick controller snowplow "raise and lower" and "power angle left and right"
- Control tower includes low hydraulic oil override switch

System Operators Granular and Liquid Spreader Controls (motor circuits)

- Force America No. 1179322 "Open Loop" granular/liquid prewet controller
- Model 5100EX
- Multi-mode/multi materials functionality
- Ground speed proportional operation



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- Data logging capabilities
- 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
- Manual pressure relief valve to release static hydraulic line pressure in truck side snowplow power angling circuit, mounted on chassis snowplow hitch

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 FORCE AMERICA 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

- 107Db
- Mounted at rearmost chassis crossmember

Standard FMVSS 108 lighting, LED type

- Red marker lamps
- 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



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BASE WARNING LIGHT SYSTEM- SIX (6) HEAD ALL AMBER

Warning Lights-Dump Body Cabshield Mounted

- Four (4) Total
- Whelen 5G series, 5GAC Grommeted Amber LED with Clear Lens
- 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 Grommeted Amber LED with Clear Lens
- 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 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
- All hitch mounting fasteners are Grade 8 flanged stover locking nuts
- Hitch assembly includes heavy duty formed channel swept back bumpers



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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
- Entire assembly welded to bottom of hitch H-lift frame assembly

Hitch Bumpers

- Two (2) piece design, one (1) streetside x one (1) curbside
- Constructed of 1/4 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

