

HALE

TRAILER

BRAKE & WHEEL

A027138-A027139
VIN: 235714-235715



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ITEM	DESCRIPTION
TYPE	LOG TRAILER, DROP
DIMENSIONS	
LENGTH	48'-0" overall.
WIDTH	102".
HEIGHT	Nominal, 13'-6" high, top of frames approximately 61" high at front and 49" at rear. (Canada & USA application)
DROP HEIGHT	10" high at 19'-0" from front. (ref: #212677)
COUPLING	
COUPLER PLATE	3/8", 100 000 psi. steel, plug welded reinforced structure.
KING PIN LOCATION	36" from front.
KING PIN	Bolted, 2" diameter, Holland, KP-0882.
COUPLER HEIGHT	50"
STRUCTURE	Frame with "CAMBER".
FLANGES	3/8" x 6", 100 000 psi steel.
WEB	1/4" plate full length, 80 000 psi steel, with holes, parachute shaped, to lighten trailer.
FRAME BRACING	Flat bar 4" x 1/2", 100 000 psi steel, installed underneath the bottom flanges only, at stiffeners area for the loader.
GOOSENECK	11" high, with integrated nose ramp and 48" straight behind king pin.
CROSSMEMBERS	I beams, 4" @ 3.64 lbs/ft, 80 000 psi steel, between main beams.
FLOOR	Steel plate 1/8", 100 000 psi, between main beams, full length, (no wood flooring at all). **With hole for loader and cover with a bolted floor section**
FLOOR FASTENING	Fully welded on length, and at joints.
CORNERS	Square.
FENDERS	Checker plate 1/8", above truck wheels, sloping.
X BRACES	Torque tube between main beams.
BRACING FOR LOADER	Stiffeners at 6" c/c on the outside of frames in the web.
ENDS	
FRONT RAIL	3/16" thick formed plate, 80 000 psi steel.
BUMPER	Forestry type, tubing with integrated push & pull plates installed on bumper uprights.
BUMPER	Round tube 6 5/8" x 56". It exceeds rear at a **maximum** of 14". Ref: #212677
HEADBOARD	Project DV 2016-203. ***96" high with fabricated beams and square tubings 1 1/2". Ladder road side, 4" between the tubes, (5.5" c/c) for smaller logs. Boxes included. (LOGGER BASE) **Galvanized**
POCKETS	Front headboard boxes modified (tenon + mortise) in order to clear the front rail by 6". (engineering) REF#219282
LOGGING	5 lengths of 8', 4 of 12', 3 of 16' or full length logs.
BUNKS	5 fixed sets of bunks with fabricated boxes.



ITEM	DESCRIPTION
BUNKS	Located: 73 1/2", 57", 53", 56", 70", 56", 53", 59" & 70 1/4" First 2 at front, 4 1/2" x 7" height, (flanges plate 1/4" 100 000 psi steel and webs one each side 3/16" 80 000 psi steel), double post boxes on first bunk.
BUNKS	Central section, 4 1/2" x 5" height, (flanges plate 1/4" 100 000 psi steel and webs one each side 3/16" 80 000 psi steel).
BUNKS	Rear, 10 1/2" x 9 3/4" height, (formed 3/16" "V" plate with 1/4" top plate, 80 000 psi steel), with double boxes.
BUNK ANGLES	Steel ridge 1/2" x 1 1/2" installed on last bunk to hold tree length lumber.
STAKES	Qty: 20, ultra light, galvanised (G164), botton 4" x 4", curved, 80 000 & 100 000 psi steel.
GLAD HANDS PROTECTOR	3/8" thick plate, welded at front rail.
RAISERS	One, aluminum extrusion 3" x 2" for a height same as the drop.
BUNKS	Qty: 2 Set of double post box.
RAISER	Located: BUNK#4 AND BUNK#7 Qty: 9 , additional, Aluminum Extrusion, 3" x 2" x 4". Located on EACH BUNK
ELECTRICAL	
FRONT CONNECTOR	7 ways (SAE J560), Phillips brand.
FRONT ADD. CONNECTOR	7 way (ISO 3731), for auxiliary functions only.
ELECTRICAL SYSTEM	Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108.
MAIN SYSTEM	Grote Ultra Blue LED, sealed beams, tail lights with male pins #53252 (10 diodes), markers lights Micronova #47973, identification lights #47122 (2 1/2" dia.), licence light #60280-M).
TURN SIGNAL	Sealed beams LED, one lamp including side marker and flasher, each side at middle point, amber.
BACK UP LIGHT(S)	LED spot light in a vinyl angled grommet. Qty: 2
TAIL LIGHTS	Sealed beams (Grote DEL #53252, 10 diodes) red. Qty: 1 additional each side. From outside, tail lights and flasher, flasher with parking, brake with parking.
BACK UP LIGHTS	Qty: (2), tractor type sealed LED beam lights (Grote #64G51, TRILLANT), to light up toward the rear. Must be connected with rear back up lights. Located: UNDER BUNK#4
TAIL LIGHTS	Qty: (4) extra sealed lamps L.E.D. (red), rear lights with *** 10 diodes *** (Grote #53252-3). Located: On each side between bumper uprights on cross bar. Total: 10 tail lights (3 each side and 4 in middle)
MAIN SYSTEM	With additional vapor proof junction box Truck-Lite #50400. *** LOCATED AT LOADER AREA *** *** CONNECTED TO 7-WAY ISO PLUG ***
LANDING GEAR	Holland, Mark V (LGS-4F315), with mounting plate, solid axles, full galvanized.
SAND SHOES	10" x 11 1/2", solid axles.
CRANK	Road side.



ITEM	DESCRIPTION
BOGIE	
BASIC SUSPENSION SUSPENSION	Hendrickson INTRAAX disc brake AAT-30K HXL5 (MAXX 22T), tridem, 60" spread. For axles with bearings HM 518445.
	*** Braking capacity reduced ***
	*** Hendrickson strongly recommend for asphalt roads only ***
	Easy for rocks to infiltrate between the rotor and brake pads.
SUSPENSION (INTRAAX)(HXL5)	OPTION "EXTENDED LIFE HXL5 PACKAGE" ON INTRAAX/VANTRAAX SUSPENSION.
	Seals (Hendrickson), spindle nut (Precision), hub cap (Hendrickson)
	Synthetic GREASE included. CHAMBER 20/24
STROKE STOPPERS	Retaining chains for INTRAAX air suspensions with grounded axles.
LIFT DEVICE	Hendrickson "UBL102" (AAT suspension), bolted (removable) and galvanized, with air system Manac.
	Quick and brake release valves on air lift included.
	Controlled: FROM CAB (Add 2 nd connector if controlled from cab).
	Located: FRONT AND REAR AXLE
	Air.
SPRINGS	LDA, 5 3/4" diameter, 25 000 lbs. capacity.
AXLE(S)	Welded.
SPIDERS	
CAM SHAFTS	
TRACK	77 1/2".
DUST SHIELDS	Steel, clamped.
BRAKES	HENDRICKSON MAX 22T
BEARINGS	HM 518445.
SLACK ADJUSTERS	
SEALS	Seal (Federal Mogul), Spindle nut (Precision), Hub cap (Hendrickson)
	Grease, Bearings (HP).
BRAKE CHAMBERS	20/24
HUBS AND DRUMS	WEBB, 10 studs disc hubs, balanced drums 104.5 lbs,
	outboard mount, 285.75mm B.C., single flange nuts.
	For dual aluminium wheels.
RIMS	Alcoa, aluminum, "ULTRA ONE", 24.5 x 8.25, disc (10 holes),
	285.75mm B.C., single flange nuts.
SPACERS	Wheel guard 10 holes. Located between the inside wheel and the drum and
	between two wheels.
TIRES	Continental, 11 R 24.5 HSR-2 16 ply (43.5")
RIMS	*** Those standard aluminum rims are not covered by a warranty for an off
	road application. ***
AIR SYSTEM	
GLAD HANDS	Fixed.
AIR VALVES	Meritor Wabco, IABS, 2 sensors 1 modulator.
VALVE	Manual blow down valve in a control box, WITHOUT auto-reset feature,
	including Glycerin filled pressure gauge, in P.S.I., to indicate
	load with a conversion table.
CONTROL BOX	Stainless steel



ITEM	DESCRIPTION
ACCESSORIES	
REGISTRATION HOLDER	One plastic, Betts-PS-1 or equivalent.
WINCHES	Qty: 2, #3820SDSPCNP (5") fix, encaved, located road side between first set.
WINCHES	Qty: 8, #3820SDSPCNP (5") fix, tilted 45 degrees, located road side between bunks.
WINCHES	Handle welded on each winch.
STRAPS	Qty: 10, nylon, with 1'-6" chain and grab hook, 30' long x 3" wide. (KINEDYNE)
LASHING RINGS	Qty: 10, lashing pockets on the opposite side of winch's.
LASHING RINGS	Qty: 10, lashing pockets located on winch supports to hang the cable hooks.
MUD FLAPS	Three fix sets, rubber with Manac logo and vertical grooves to reduce spray, located ahead of landing gear, at rear bumper and at front.
EXTRA MUD FLAPS	Black rubber w/logo Manac, logo toward the front (#303-0011). Located: Under the flanges ahead of the tridem, 48" wide. (To protect air booster & the suspensions).
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CHAIN HOLDERS	(4) welded under the bunk, 2 each side of main frame.
HYDRAULIC LINES	Holes only, 3" of diameter allowing hydraulic lines to run between the main beams over the coupler plate. Supports of lines welded under bunks until the loader.
ACCESSORIES	5 holes, (3 holes curbside and 2 holes roadside).
ACCESSORIES	Qty: 2. Crapple holder(s). 2 rectangular tubings 4" wide x 3" high x 21" long x 3/8" thick.
ACCESSORIES	Attention: Each tube has a different opening.
ACCESSORIES	Located: FURTHEST MOST FRONT AND REAR REF#219282
BROOM HANGER	Located at top of front headboard, centerd. (see photo)
BROOM HANGER	*** Top to have cradle (L-brackets) to prevent broom from coming out***
BROOM HANGER	REF#219282
HOSES HOLDER	Located at center halfway up headboard
HOSES HOLDER	ref#219282
FINISHING	
PAINT	No paint & no primer on the trailer.
PAINT	(Galvanized logger Base 21348A50)
FINISHING	Galvanized plateform. (no paint)
FINISHING	**CAUTION MANAC NOT RESPONSABLE OF THE ESTHETICS OF THE GALVANISATION.**
FINISHING	(LOGGER trailer, BASE 21348A50 including 1/8" steel floor)
FINISHING	(holes parachute shaped required for dripping)
AXLE(S) PAINTED	MANAC GRAY PAINT.
GRAVEL GUARD	Apply gravel guard on the suspension hangers.
HUBS	Same color as trailer.
WHEELS OR RIMS	Natural.

