



Hale Trailer Brake & Wheel

185820



ITEM	DESCRIPTION
TYPE	LOG TRAILER, DROP
DIMENSIONS	
LENGTH	46'-3" 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".
COUPLING	
COUPLER PLATE	5/16", plug welded reinforced structure.
KING PIN LOCATION	36" from front.
KING PIN	Bolted, 2" diameter, Holland, KP-0881.
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	Frame bracing on lower flanges 4" x 3/8", 13'-0" long, 100 000 psi steel.
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	Checker plate 1/8" 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.
GRAPPLE GUIDES	Qty: 3, 3/8" reinforcement set, each side of frame in web, to stop grapple from hitting the flanges. Located : MIDDLE OF EACH TIER. (no deflector in face of fenders)
BRACING FOR LOADER	Stiffeners at 6" c/c on the outside of frames in the web. *** LOADER LOCATED AT 23'-7" C/C FROM FRONT ***
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	No aluminum plate between bumper uprights.
BUMPER	Round tube 6 5/8" x 56". Start tube 6" from rear, exceeds 14".
HEADBOARD	Fixed 96" high, with fabricated beam and square tubing 1 1/2". Ladder road side 4" between the tubes, (5.5" c/c) for smaller logs. Boxes included. *** Galvanized ***
LOGGING	5 lengths of 8', 4 of 12', 3 of 16' or full length logs.
BUNKS	5 fixed sets of bunks with fabricated boxes. Located at 15 1/2", 73 1/2", 57", 53", 56", 68", 37", 53", 59" & 68 1/2" c/c.
BUNKS	First 2 at front, 4 1/2" x 7" height, (flanges plate 1/4" 100 000 psi



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BUNKS	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).
BOXE(S) DOUBLE BUNK ANGLES	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.
STAKES	Located on the 4 TH bunk.
GLAD HANDS PROTECTOR RAISERS RAISER RAISER SUPPORTS	Steel ridge 1/2" x 1 1/2" installed on last bunk to hold tree length lumber. Qty: 20, ultra light, galvanised (G164), botton 4" x 4", curved, 80 000 & 100 000 psi steel. 3/8" thick plate, welded at front rail. One, aluminum extrusion *** 3" x 2" x 12" *** Qty: 6 additionnal, Aluminum Extrusion, *** 3" x 2" x 12" *** (2) welded to web. The raisers firmly hold place with a strap and a winch. Located ONE EACH SIDE.
ELECTRICAL	
FRONT CONNECTOR	7 ways (SAE J560), Phillips brand.
FRONT ADD. CONNECTOR	7 way (ISO 3731), for auxiliary functions only.
ELECTRICAL SYSTEM MAIN SYSTEM	Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108. 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)	Sealed beam spot light Grote #40-4411-00 in a vinyl angled grommet. Qty: 2
TAIL LIGHTS	Sealed beams (Grote DEL #53252, 10 diodes) red. Qty: 1 additionnal each side. From outside, tail lights and flasher, flasher with parking, brake with parking.
LANDING GEAR	Holland, Mark V (LGS-4F315), with mounting plate.
SAND SHOES	10" x 11 1/2", solid axles.
CRANK	Road side.
BOGIE	
BASIC SUSPENSION SUSPENSION	Hendrickson INTRAAX AAT-30K, tridem, 60" spread. For axles with bearings HM 518445.
STROKE STOPPERS	Retaining chains for INTRAAX air suspensions with grounded axles.
LIFT DEVICE	Air lift Hendrickson "UBL". Quick and brake release valves on air lift suspension. Located: *** On the last axle ***
SPRINGS	Air.
AXLE(S)	LDA, 5 3/4" diameter, 25 000 lbs. capacity.
SPIDERS	Welded.
CAM SHAFTS	10" long, 28 splines with enclosures.
TRACK	77 1/2".



ITEM	DESCRIPTION
DUST SHIELDS BRAKES BEARINGS SLACK ADJUSTERS SEALS BRAKE CHAMBERS HUBS AND DRUMS RIMS SPACERS TIRES RIMS	Steel, clamped. 16 1/2" standard, H23 Hendrickson lining. HM 518445. Meritor, automatic, 28 splines. Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90. T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"). (4 years warranty by T.S.E. for parts only). 10 studs disc hubs, balanced drums 101.6 lbs, outboard mount, 285.75mm B.C., single flange nuts. For dual aluminium wheels. Alcoa, aluminum, "ULTRA ONE", 24.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts. Wheel guard 10 holes. Located between the inside wheel and the drum and between two wheels. Continental, 11 R 24.5 HYBRID HT3 16 ply (43.1") *** Those standard aluminum rims are not covered by a warranty for an off road application. ***
AIR SYSTEM GLAD HANDS AIR VALVES VALVE VALVE CONTROL BOX VALVES	Fixed. Meritor Wabco, ABS, 2 sensors 1 modulator. Quick and brake release valves on air lift suspension. 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. *** Stainless steel *** Used to close the supply of air to air bags. (2 per axle) (shutt off).
ACCESSORIES REGISTRATION HOLDER WINCHES WINCHES WINCHES STRAPS LASHING RINGS MUD FLAPS CHAIN HOLDERS HYDRAULIC LINES EXTRA MUD FLAPS	One plastic, Betts-PS-1 or equivalent. Qty: 2, #3820SDSPCNP (5") fix, encaved, located road side between first set. Qty: 8, #3820SDSPCNP (5") fix, tilted 45 degrees, located road side between bunks. Handle welded on each winch. Qty: 10, nylon, with 1'-6" chain and grab hook, 30' long x 3" wide. (KINEDYNE) Qty: 10, lashing pockets on the opposite side of winch's. Three fix sets, rubber with Manac logo and vertical grooves to reduce spray, located ahead of landing gear, at rear bumper and at front. (4) welded under the bunk, 2 each side of main frame. 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. 4 holes, (2 holes curbside and 2 holes roadside). Black rubber w/logo Manac, logo toward the front (#303-0011). Located: Under the flanges et ahead of the suspensions, 48" wide. (To protect air booster & the suspensions). Ref. 186908.
FINISHING	

