



Hale Trailer Brake & Wheel 199073



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" approximately.
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	
GOOSENECK	11" high, with integrated nose ramp and 48" straight behind king pin.
CROSSMEMBERS	"C" shaped plate, 80 000 psi steel, between main beams. Instead of I beams, 4" à 3.64 lbs/ft, 80 000 psi steel.
FLOOR	1/8", 100 000 psi steel between main beams, full length, (no wood flooring at all). *** Floor same height from one side to the other *** *** With hole for loader and cover with a bolted floor section ***
FLOOR FASTENING	Fully welded on length, and at joints.
CORNERS	Square.
FENDERS	Steel plate 1/8" 100 000 psi., 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, strap 4" x 3/8" at bottom in stiffener area.
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". Start tube 6" from rear, exceeds 14".
POCKETS	2 boxes welded on front rail for removable headboard.
LOGGING	
BUNKS	5 lengths of 8', 4 of 12', 3 of 16' or full length logs. 5 fixed sets of bunks with fabricated boxes. Located: First at 15 1/2" from front, then 73 1/2", 57", 53", 56", 70", 56", 53", 59" & 70 1/4". (Sappi).
BUNKS	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),



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BUNKS	double post boxes on first bunk. 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	None.
BUNKS	Qty: 1 Set of double post box. Located: BUNK #4.
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ELECTRICAL FRONT CONNECTOR FRONT ADD. CONNECTOR	7 ways (SAE J560), Phillips brand. 7 way (ISO 3731), for auxiliary functions only. *** Air lift ***
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)	LED spot light in a vinyl angled grommet. Qty: 2
TAIL LIGHTS	Qty: (4) extra sealed lamps L.E.D. (red), rear lights with *** 10 diodes *** (Grote #53252-3).
TAIL LIGHTS	Located: On each side between bumper uprights on cross bar. (Total: 10). Sealed beams (Grote DEL #53252, 10 diodes) red. Qty: 1 additionnal each side. From outside, tail lights and flasher, brake with parking, brake with parking.
BACK UP LIGHTS	(2) Tractor type sealed LED beam spot light (Grote #64G51), to light up toward the rear. Must be connected with back up light. Located: UNDER 4TH BUNK FROM FRONT
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LANDING GEAR SAND SHOES CRANK	Holland, Mark V (LGS-4F315), with mounting plate. 10" x 11 1/2", solid axles. Road side.
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BOGIE BASIC SUSPENSION SUSPENSION	Hendrickson INTRAAX disc brake AAT-30K (Bendix), tridem, 60" spread. For axles with bearings HM 518445. *** Braking capacity reduced *** *** Hendrickson strongly recommand for asphalte roads only *** Easy for rocks to infiltrate between the discs and pads.



ITEM	DESCRIPTION
STROKE STOPPERS	Retaining chains for INTRAAX air suspensions with grounded axles.
LIFT DEVICE	Hendrickson "UBL102", bolted (removable) and galvanized, with air system Manac. Located: AT REAR.
SPRINGS	Air.
AXLE(S)	LDA, 5 3/4" diameter.
SPIDERS	Welded.
CAM SHAFTS	
TRACK	77 1/2".
DUST SHIELDS	Steel, clamped.
BRAKES	Disc, Knorr-Bendix
BEARINGS	HP spindle.
SLACK ADJUSTERS	
SEALS	Stemco, "Gearlube" mineral oil, SAE 80W90.
BRAKE CHAMBERS	Knorr-Bendix 18/24
HUBS AND DRUMS	10 studs disc hubs, 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, ABS, 2 sensors 1 modulator.
VALVE	Quick and brake release valves on air lift.
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 ***
VALVES	Used to close the supply of air to air bags. (2 per axle) (shutt off).
ACCESSORIES	
REGISTRATION HOLDER	One plastic, Betts-PS-1 or equivalent.
WINCHES	Qty: 2, #3820SDSPCNP (5") fix, encaved, located road side between first set. *** include lashing ring rear side of winch to secure strap hooks when empty
WINCHES	Qty: 8, #3820SDSPCNP (5") fix, tilted 45 degrees, located road side between bunks. ***include lashing ring rear side of winch to secure strap hooks when empty
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.
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.
CHAIN HOLDERS	(4) welded under the bunk, 2 each side of main frame.



ITEM	DESCRIPTION
<p>HYDRAULIC LINES</p> <p>EXTRA MUD FLAP</p> <p>RAISER SUPPORTS</p>	<p>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.</p> <p>4 holes, (2 holes curbside and 2 holes roadside).</p> <p>Black rubber w/logo Manac, logo toward the front (#303-0011). Located: Under the flanges & ahead of the suspensions, 48" wide. (To protect air booster & the suspensions). Ref. 186908.</p> <p>(2) welded to web. The raisers hold in place with a strap and a winch. (Can hold 5 raisers)</p> <p>Located: 1/SIDE.</p>
<p>FINISHING PAINT</p> <p>HUBS WHEELS OR RIMS</p> <p>RETROREFLECTIVE TAPES</p>	<p>Shot blasted, one coat of epoxy primer and two polyurethane acrylic top coats</p> <p>Color: black, code: PPG AU37-FP908.</p> <p>Black.</p> <p>Natural.</p> <p>Conspicuity striping in compliance with CMVSS 108.</p> <p>Gray and red, each side, fully covers rear sill and horizontal underride protection bar, front and rear of each stake.</p>
<p>ANNEX(ES) ATTACHED</p>	<p>Mark and model of loader:TBA</p> <p>Supplied by:TBA</p> <p>Installed by:TBA</p> <p>Fixed by ("U" bolts or others):TBA</p> <p style="text-align: right;">Appr. weight:TBA</p>
<p>CONFORMITY</p>	<p>This semi-trailer does not comply with GHG regulations. Should GHG regulations come into force prior to the production of the trailer(s), Manac will have the obligation to ensure the trailer(s) produced meet minimum GHG guidelines. Any modifications required to meet the GHG regulations will be added to the initial purchase price and charged back to the customer.</p>

DISCLAIMER

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.