HALE TRAILER BRAKE & WHEEL

A042177

VIN: 241706

manac

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ITEM	DESCRIPTION
TYPE	LOG TRAILER, DROP
DIMENSIONS	
LENGTH	47'-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'-6" from front.
COUPLING	
COUPLER PLATE	3/8", 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, on bottom flange, at loader area.
GOOSENECK	11" high, with integrated nose ramp and 48" straight behind king pin.
CROSSMEMBERS	I beams, 4" à 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** (16" opening front to back) (ref: #233223)
FLOOR FASTENING	Fully welded on length, and at joints.
CORNERS	Square.
FENDERS	Checker plate 1/8", above truck wheels, sloping. **103" long from front**
X BRACES	None.
GRAPPLE GUIDES	Qty: 3, 3/8" reinforcement set, each side of frame in web, to stop grapple from hitting the flanges. Located: at mid of each set of bunk. (no deflector in front of fenders)
BRACING FOR LOADER	Stiffeners at 6" c/c on the outside of frames in the web. (ref: #233223 for localisation)
ENDS	
FRONT RAIL	3/16" thick formed plate, 80 000 psi steel.
BUMPER	Round tube 6 5/8" x 56". It exceeds rear at a **maximum** of 14".
BUMPER	No logo.
HEADBOARD	**60"** high with fabricated beams and square tubings 1 1/2". Ladder at center, 4" between the tubes, (5.5" c/c) for smaller logs. Boxes included. **Galvanized**
LOGGING	4 lengths of 8', 2 of 12' or 2 of 16'.
BUNKS	4 fixed sets of bunks, with fabricated boxes.

ITEM	DESCRIPTION
	Located: 18" from front, 64", 58", 64", 162", 64", 58" & 64"
BUNKS	First 2 at front, 4 1/2" x 7" high, (flanges plate 1/4" 100 000 psi steel and webs one each side 3/16" 80 000 psi steel),
BUNKS	Central section, 4 1/2" x 5" high, (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	Side up flat bar 1/2" x 1 1/2" installed on last bunk to hold full lenght logs.
STAKES	Qty: 16, heavy duty, 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.
ELECTRICAL	
FRONT CONNECTOR	7 way (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: 2 additionnal each side. Located each side between uprights of bumper.
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: (1) on each side, undernearth the 4th bunk.
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, solid axles, fully galvanized.
SAND SHOES	10" x 11 1/2", solid axles.
CRANK	Road side.
PROTECTOR	Above landing gear.
BOGIE	
BASIC SUSPENSION	
SUSPENSION	Hendrickson INTRAAX AAT-30K, tridem, 60" spread. N.B.: Wingless suspension bracket. For axles with bearings HM 518445.
STROKE STOPPERS	Zinc-plated retaining chains, for INTRAAX air suspensions with grounded axles.
LIFT DEVICE	Hendrickson "UBL102" (AAT suspension), bolted (removable) and galvanized,

ITEM	DESCRIPTION
	Quick and brake release valves on air lift included.
	Controlled: from cab. Located: on rear axle.
SPRINGS	Air.
AXLE(S)	LDA, 5 3/4" diameter, 25 000 lbs. capacity.
SPIDERS	Welded.
CAM SHAFTS	10" long, 28 splines with bushing spacer and enclosures heavy duty.
TRACK	77 1/2".
DUST SHIELDS	Steel, clamped.
BRAKES	16 1/2" standard, long life H23-HXS Hendrickson lining.
BEARINGS	Stemco, HM 518445.
SLACK ADJUSTERS	TSE S-ASA, automatic, 28 splines.
SEALS	Stemco, "Platinum PLUS Performance System". Including "Guardian" seals, Pro-Torq spindle nuts, Integrated sentinel hub caps, Stemco bearings with Chevron Delo Ultimate SF synthetic GREASE. (7 year warranty by Stemco for parts and labor, for On Highway application only).
BRAKE CHAMBERS	T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"). (4 years warranty by T.S.E. for parts only).
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. (Stemco cup)
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(S)	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) (shut off).
ACCESSORIES	
REGISTRATION HOLDER	One plastic, Betts-PS-1 or equivalent.
WINCHES	Qty: 2, #5820 (5") fix, encaved, located road side between first set.
WINCHES	Qty: 6, #5820 (5") fixed, for steel cables, tilted 45 degrees, located road side between bunks.
WINCHES	Replace the (10) winches by Kinedyne #5820.
WINCHES	Handle welded on each winch.
STEEL CABLES	Qty: 8 , **STAINLESS STEEL** 1/4" dia. x 30'-0" long with 1' long 5/16" chain and hook. (Code: #60508, Walco)
LASHING RINGS	Qty: 8, curb side opposite each winch to hook steel cables.
LASHING RINGS	Qty: 8, lashing pockets located on winch supports to hang the cable hooks.

ITEM	DESCRIPTION
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	(1) mud flap (30" x 48"), bolted full width between the main frames, to protect the brake chambers, located in front of the tridem.
CHAIN HOLDERS	(4) welded under the bunk, 2 each side of main frame. Ref: #233223
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.
EXTRA MUD FLAPS	(1) mud flap (30" x 48") and (2) mud flaps (24" x 30") installed full width ahead the landing gear.
BROOM HANGER	Located at top of front headboard, roadside. *** Top to have cradle (L-brackets) to prevent broom from coming out*** (must be reachable from ground)
ACCESSORIES	Qty: 1, grapple holder kit. (2) rectangular tubings 4" wide x 3" high x 21" long x 3/8" thick. Attention: Each tube has a different opening for the grapple. Located: FRONT: at 22'-10" from center of the loader. REAR : at 21-4" from center of the loader. (ref: #233223)
SUPPORT(S)	Hanger for winch bar made of tubing 2" dia, x 24". Located: ref: #233223.
FINISHING	
PAINT	No paint & no primer on the trailer.
FINISHING	Galvanized plateform. (no paint) **CAUTION MANAC NOT RESPONSABLE OF THE ESTHETICS OF THE GALVANISATION.**
AXLE(S) PAINTED	One polyurethane acrylic top coat. Color: Gray, code: PPG Q37-939514.
GRAVEL GUARD	Apply gravel guard on the suspension hangers.
HUBS	Black.
WHEELS OR RIMS	Natural.
RETROREFLECTIVE TAPES	Conspicuity striping in compliance with CMVSS 108. Gray and red, each side, fully covers rear sill and horizontal underride protection bar, front and rear of each stake.
ADDITIONAL OPTIONS	
GALVANIZATION EXTRA PARTS	Extra parts galvanized. Qty: 500 lbs.
ANNEX(ES) ATTACHED	Ref: #233223
CONFORMITY	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.

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.