

HALE

TRAILER

BRAKE & WHEEL

A035249-A035251

VIN: 238893, 238894, S034004



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ITEM	DESCRIPTION
TYPE APPLICATION	CHIPS TRAILER GALVANIZED SEE SECTION
DIMENSIONS	
LENGTH	51'-0 1/4".
WIDTH	102 3/8" (2600 mm)
HEIGHT	13'-6" coupler height: 50"
DROP HEIGHT	29 1/2", located at 129 5/8" from front.
SUB-STRUCTURE	
KING PIN LOCATION	36" from front. (1050 mm)
KING PIN	Bolted, 2" diameter, Holland KP-0881.
COUPLER PLATE	5/16" thick, reinforced, 100 000 psi steel, extends 18" behind king pin, 17 500 kgs capacity.
CROSSMEMBERS	1 beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, 15" (375mm) c/c in the bay and slop, with formed steel sub structure inter connected between coupler plate and landing gear and above suspension.
FLOOR	Hardwood, 7/8" nominal thickness, laminated, covered with paraffin WAXIN both side (water resistance)
FRONT WALL	Type: "G" (5" radius corners).
PANELS	Prepainted white aluminum 0.049 thick.
POSTS	Qty: 6, 4 of 45 mm, aluminum, and 1 each end, integrated to aluminum front corners.
FASTENERS	3/16" aluminum rivets, 4" c/c and 2" c/c on joints.
INTERIOR LINER	See insulation section.
FRONT CORNERS	Double sheating, 20 gauge stainless steel mirror finished and unpolished aluminum extrusions on the outside and aluminum plate inside.
LADDERS	
CAT WALK	Aluminum, 24" wide on front wall, ladder, made of aluminum, roadside included.
SIDE WALLS	Aluminum.
PANELS	Prepainted white aluminum (.049 thick).
POSTS	Aluminum, 45 mm, 16" c/c, full length.
FASTENERS	3/16" aluminum rivets, 4" c/c and 2" c/c on joints.
INTERIOR LINER	See insulation section.
INTERIOR LINER	Horizontal.
SAMPLE DOOR(S)	One, aluminum, 10" x 14", installed road side.
TOP RAILS	5 1/2" high, open top aluminum extrusions, unpolished.
BOTTOM RAILS	8 7/8" high, aluminum extrusions, unpainted.
VENTS	8 openings 11" x 19" on each side wall with perforated aluminum plate.
REAR END	
DOOR FRAME	Galvanized steel (G164).
DOOR(S)	Single, dump style, aluminum smoothside with (1) loading door 47" x 47" located on top at centre made aluminum smoothside. Single lock Eberhard, HEAVY DUTY, included.
HEADER	Steel formed 4" x 4" x 3/16".
DOOR PANELS	Smoothside panels aluminum 1 1/2" thick.



ITEM	DESCRIPTION
DOOR LATCH(S) HINGES DOOR FRAME BUMPER LOOP STEP(S) BUMPER LOOP STEP(S)	On door sill. Manually operated by a road side handle. 2, one each top corner. 1 1/2"x 1 1/2" solid steel push bars, more extension bolted 5" with integrated holes for pull. Between bumper uprights, galvanized, tubing 3" x 3" X 1/4" with anti-skid FULL LENGTH on top. CMVSS 223-RIG approved (in accordance with Canada & USA regulation). Formed steel uprights, 4" x 4" cross bar roll formed tubing at a maximum height of 22" from under tubing to ground. Galvanized, one flip step under sill to the upright of bumper. ROADSIDE side .
ROOF BOWS TARP SUPPORT NET	Open type. Qty: 3, galvanized steel (G164), without offset and hinges. 1/4" aluminum plate at each end of the unit for roll tarp type. None, (NO HOOK FOR NET).
INSULATION FRONT WALL FRONT INTERIOR LINER SIDE WALLS INTERIOR LINER	1 3/4" thick Polyform. Front corners, 1" thick Polyform. Kemlite white "monster scuff", .240" thick, fastened with steel pop rivets. 1 3/4" thick Polyform. Kemlite LTR, .120" thick, fastened with steel pop rivets.
ELECTRICAL CONNECTOR PLATE FRONT CONNECTOR FRONT ADD. CONNECTOR ELECTRICAL SYSTEM MAIN SYSTEM FLASHERS BACK UP LIGHTS TAIL LIGHTS	Raised, aluminum formed plate. 7 ways (SAE J560), Phillips brand, located center. None. Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108. Grote Ultra Blue LED, Grote sealed beams, tail lights with male pins #53252 (10 diodes), markers #47122,233 (2 1/2") at bottom and each side on top of rear door frame (1"), licence light LED. Sealed beams LED, one lamp including side marker and flasher each side at middle point, amber. None. Sealed beams, red, (Grote LED #53252). Qty: 1 additionnal each side. (10 diodes) From outside, tail light and flasher, flasher with parking, brake with parking.
LANDING GEAR SAND SHOES CRANK SPAN DUMMY LEGS	Jost, model A451.G3.17.38, "Magnum", 10 years Warranty. 10" x 10" cushion feet. (inside frame mount) 10" x 11 1/2", solid axles. Road side. Steel, for drop. Need at least 90" between outside dimensions of the shoes. Skids made of aluminum extrusion 4" x 1 1/4".



ITEM	DESCRIPTION
BASIC MECHANICAL FRAME	Fixed, 1/4" thick, 80 000 psi steel, C-shaped frame construction, plug welded connection, 72" spread tridem air ride suspension.
MECHANICAL SUSPENSION SUSPENSION STROKE STOPPERS LIFT SUSPENSION	Hendrickson INTRAAX AAT-30K, spacer, tridem, 60" spread. Bearings HM 518445 16 1/2" standard, H23 lining. 77 1/2" track, Hendrickson Extended life system **HXL5** Chevron Delo Ultimate SF synthetic GREASE included. 3-yr parts and 1 year labour warranty in raw wood application Suspension arm(s) with LOCKED ALIGNMENT COLLAR in place. Steel haft(s) moon on each side. Ref: LOG trailer. Retaining chains for INTRAAX air suspensions with grounded axles. Air lift Hendrickson "UBL-102". **bolted and galvanized**. Quick and brake release valves on air lift suspension. ***REAR AXLE
SPRINGS AXLES SPIDERS CAM SHAFTS TRACK DUST SHIELDS BRAKES BEARINGS SLACK ADJUSTERS SEALS	Air. LDA, 5 3/4" diameter, 25 000 lbs. capacity. Welded. 10" long, 28 splines with enclosures. 77 1/2". Steel, clamped. 16 1/2" standard, long life H23-HXS Hendrickson lining. HM 518445. Meritor, automatic, 28 splines. Seal (Federal Mogul), Spindle nut (Precision), Hub cap (Hendrickson) Grease included.
BRAKE CHAMBERS HUBS AND DRUMS RIMS SPACERS TIRES	T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"). (4 years warranty by T.S.E. for parts only). WEBB, 10 studs disc hubs, balanced drums 104.5 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. Continental, 11 R 24.5 HSR-2 16 ply (43.5")
AIR SYSTEM GLAD HANDS AIR VALVES VALVE CONTROL BOX VALVES LOAD DEVICE	Fixed, bolted. Meritor Wabco, IABS, 2 sensors 1 modulator. 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). Air gage, 4" diameter, glycerin filled in P.S.I. to indicate load with a



ITEM	DESCRIPTION
LOAD SENSING DEVICE	<p>conversion table, with glad hand with valve for closed the air line of of the truck.</p> <p>Located: On front wall roadside, 1'-4" up from bottom rail.</p> <p>A warning light, each side over **middle axle** of the tridem, 12" under top rails, will go off when valve indicates that maximum load pressure is reached (includes a switch to shut lights and a pressure gauge).</p>
ACCESSORIES REGISTRATION HOLDER MUD FLAPS MIDDLE MUDS FLAP	<p>One plastic, Betts-PS-1 or equivalent.</p> <p>One set, rubber with Manac logo and vertical grooves to reduce spray.</p> <p>Center mud flaps, full width (48" wide) with Manac logo.</p> <p>Located ahead of the tridem.</p> <p>(To protect air booster & the suspensions).</p>
FINISHING UNDERCARRIAGE BOGIE HUBS WHEELS OR RIMS RETROREFLECTIVE TAPES	<p>GALV</p> <p>GALV</p> <p>Black.</p> <p>Natural.</p> <p>Conspicuity striping in compliance with CMVSS 108.</p> <p>Gray and red, 2' segments at bottom of each side wall.</p> <p>Fully covers bottom of rear doors and horizontal underride protection bar.</p> <p>2 segments of gray tape at each upper corner.</p>
GALVANIZED CHOICES SUB-STRUCTURE (GALV.)	<p>Galvanized choices.</p> <p>Galvanized, cross members, "C" frame and sub-structure modules, fenders and brackets suspension for tridem.</p> <p>(Sub-structure galvanized all over except king pin plate)</p>
CONFORMITY	<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.