

# HALE

## TRAILER

### BRAKE & WHEEL

A019859-A019861

VIN: 224745-224747



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ITEM	DESCRIPTION
<b>TYPE</b> <b>APPLICATION</b>	CHIPS TRAILER GALVANIZED SEE SECTION
<b>DIMENSIONS</b>	
<b>LENGTH</b>	48'-0" (14630 mm)
<b>WIDTH</b>	102 3/8" (2600 mm)
<b>HEIGHT</b>	13'-4" coupler height: 48". Ready to receive bolted closed Top.
<b>WEDGE HEIGHT</b>	5" front to rear.
<b>SUB-STRUCTURE</b>	
<b>KING PIN LOCATION</b>	36" from front. (900 mm)
<b>KING PIN</b>	Bolted, 2" diameter, Holland, KP-0882.
<b>COUPLER PLATE</b>	Approach plate and coupler plate 3/8". (ilo 5/16")
<b>CROSSMEMBERS</b>	I beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, 12" center to center,
<b>FLOOR</b>	"F.R.P." 1/2" thick, white. ilo plywood. Fastened with rivets (HUCKTAINER) through the F.R.P.
<b>FRONT WALL</b>	Type: "G" (5" radius corners).
<b>PANELS</b>	Prepainted white aluminum 0.049 thick.
<b>POSTS</b>	Qty: 6, 4 of 45 mm, aluminum, and 1 each end, integrated to aluminum front corners.
<b>FASTENERS</b>	3/16" aluminum rivets, 4" c/c and 2" c/c on joints.
<b>INTERIOR LINER</b>	See insulation section.
<b>FRONT CORNERS</b>	Double sheeting, aluminum extrusions, unpolished on the outside and aluminum plate inside.
<b>LADDERS</b>	
<b>CAT WALK</b>	Aluminum, 24" wide on front wall, ladder, made of aluminum, roadside included.
<b>FRONT DOOR</b>	One, 25" x 47", panel 3/4" plymetal doors, aluminum prepainted white outside and satin coated steel inside. Including one molded aluminum foot step above connector. For access inside van,
<b>SIDE WALLS</b>	Aluminum.
<b>PANELS</b>	Prepainted white aluminum (.049 thick).
<b>POSTS</b>	Aluminum, 45 mm, 16" c/c, full length.
<b>FASTENERS</b>	3/16" aluminum rivets, 4" c/c and 2" c/c on joints.
<b>INTERIOR LINER</b>	See insulation section.
<b>INTERIOR LINER</b>	Horizontal.
<b>SAMPLE DOOR(S)</b>	None.
<b>TOP RAILS</b>	5 1/2" high, open top aluminum extrusions, unpolished.
<b>BOTTOM RAILS</b>	8 7/8" high, aluminum extrusions, unpainted.
<b>VENTS</b>	8 openings 11" x 19" on each side wall with perforated aluminum plate.



ITEM	DESCRIPTION
<b>REAR END</b> <b>DOOR FRAME</b> <b>DOOR(S)</b>  <b>HEADER</b> <b>DOOR PANELS</b>  <b>DOOR LATCH(S)</b> <b>HINGES</b> <b>DOOR FRAME BUMPER</b>  <b>BUMPER</b>  <b>LOOP STEP(S)</b>	Galvanized steel (G164). 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.  Steel formed 4" x 4" x 3/16". Prepainted white aluminum 0.049 thick. Prepainted white pannels towards outside the van. 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. 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. Between bumper uprights, galvanized, tubing 3" x 3" X 1/4" with anti-skid FULL LENGTH on top.
<b>ROOF</b> <b>BOWS</b> <b>TARP SUPPORT</b> <b>NET</b>	Open type. Qty 3, galvanized (G164) steel, with 12" offset and hinges. 1/4" aluminum plate at each end of the unit for roll tarp type. None, (NO HOOK FOR NET).
<b>INSULATION</b> <b>FRONT WALL</b>  <b>FRONT INTERIOR LINER</b>  <b>REAR DOOR(S)</b> <b>DOOR(S) LINER</b>  <b>SIDE WALLS</b> <b>INTERIOR LINER</b>	1 3/4" thick Polyform. Front corners, 1" thick Polyform. Kemlite white "monster scuff", .240" thick, fastened with steel pop rivets.  1 1/2" thick Polyform. Prepainted white aluminum 0.049 thick. Natural aluminum inside the van. 1 3/4" thick Polyform. Kemlite LTR, .120" thick, fastened with steel pop rivets.
<b>ELECTRICAL</b> <b>CONNECTOR PLATE</b> <b>FRONT CONNECTOR</b> <b>FRONT ADD. CONNECTOR</b> <b>ELECTRICAL SYSTEM</b> <b>MAIN SYSTEM</b>  <b>FLASHERS</b>  <b>BACK UP LIGHTS</b>  <b>TAIL LIGHTS</b>	Raised, aluminum formed plate. 7 ways (SAE J560), Phillips brand, located center. 7 ways (ISO 3731), for auxiliary functions only. 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. Type sealed beam spot light (Grote #62391 LED), Qty: 2 (in the sill) Sealed beams, red, (Grote LED #53252). Qty: 1 additional each side. (10 diodes)



ITEM	DESCRIPTION
<b>MAIN SYSTEM</b> <b>ADDITIONAL MARKERS</b>  <b>AUTOMATIC TIRE INFLATION</b>	From outside, tail light and flasher, flasher with parking, brake with parking. With additional vapor proof junction box Truck-Lite #50400. Sealed beams (Grote MicroNova LED #47963/62). Qty: 10 additional each side, evenly spaced, evenly spaced, on bottom rails and 12" under top rail. SNAP-IN GROMMET. Automatic Tire inflation featuring ONLY: Warning lamp TIREMAAX installed std on road side FRONT CORNER. Must be visible from the truck. (Hendrickson only)
<b>LANDING GEAR</b>  <b>SAND SHOES</b> <b>CRANK</b> <b>SPAN</b>	Holland, Mark V (LGS-3C315-CS748), with mounting plate sand shoes 10" x 11 1/2" solid axles. Galvanized legs option. 10" x 11 1/2", solid axles. Road side. 3/16" formed steel, reinforced, galvanized.
<b>BASIC MECHANICAL</b> <b>FRAME</b>	Fixed, for wedge sub-structure, 1/4" thick, C-shaped, frame construction, plug welded connection ***60" spread tridem air ride suspension.
<b>MECHANICAL</b> <b>SUSPENSION</b>  <b>LIFT SUSPENSION (HENDRICK)</b>  <b>STROKE STOPPERS</b>  <b>SPRINGS</b> <b>AXLES</b> <b>SPIDERS</b> <b>CAM SHAFTS</b> <b>TRACK</b> <b>DUST SHIELDS</b> <b>BRAKES</b> <b>BEARINGS</b> <b>SLACK ADJUSTERS</b> <b>SEALS</b> <b>BRAKE CHAMBERS</b>  <b>HUBS AND DRUMS</b>  <b>RIMS</b>	Hendrickson INTRAAX AAT-30K, tridem, ***60" spread. N.B.: Wingless suspension bracket. For axles with bearings HM 518445. Air lift Hendrickson "UBL-102". **bolted and galvanized**. Quick and brake release valves on air lift suspension. ***REAR AXLE***  Retaining chains for INTRAAX air suspensions with grounded axles. 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. Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90. T.S.E. brake, "Omni brake" (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),



ITEM	DESCRIPTION
<b>SPACERS</b>	285.75mm B.C., single flange nuts. Wheel guard 10 holes. Located between the inside wheel and the drum and between two wheels.
<b>TIRES</b>	Plant choice 24.5. 16 Plys
<b>AIR SYSTEM</b>	
<b>GLAD HANDS</b>	Fixed, bolted.
<b>AIR VALVES</b>	Meritor Wabco, ABS, 2 sensors 1 modulator.
<b>VALVE</b>	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.
<b>CONTROL BOX</b>	Stainless steel, 10" height x 18" width x 6" deep.
<b>AUTOMATIC TIRE INFLATION</b>	For applicable with tandem or tridem suspensions, with air lift suspension.
<b>AUTOMATIC TIRE INFLATION</b>	"Automatic Tire Inflation Systems", REMARK: Make sure the system is adjusted to the same tires pressure written on the serial plate.
<b>AUTOMATIC TIRE INFLATION</b>	Automatic Tire inflation System Hendrickson Tiremax PRO. Axles preparation included, dressed axles HN/HP or disc brake. *** Maximum allowable tire pressure for this device is 120psi *** Warning lamp TIREMAX installed on road side front radius.
<b>LOAD DEVICE</b>	Air gage, 4" diameter, glycerin filled in P.S.I. to indicate load with a conversion table, with glad hand with valve for closed the air line of of the truck. Located: On front wall roadside, 1'-4" up from bottom rail.
<b>ACCESSORIES</b>	
<b>REGISTRATION HOLDER</b>	One aluminum cylinder.
<b>MUD FLAPS</b>	One set, rubber with Manac logo and vertical grooves to reduce spray.
<b>EXTRA MUD FLAP</b>	Qty: 1 set, rubber with Manac logo and vertical grooves to reduce spray. Located at FRONT OF LANDING GEAR
<b>MIDDLE MUDS FLAP</b>	Center mud flaps, full width (48" wide) with Manac logo. Located ahead of the tridem. (To protect air booster & the suspensions).
<b>FINISHING</b>	
<b>UNDERCARRIAGE</b>	GALV
<b>BOGIE</b>	GALV
<b>HUBS</b>	Black.
<b>WHEELS OR RIMS</b>	Natural.
<b>RETROREFLECTIVE TAPES</b>	Conspicuity striping in compliance with CMVSS 108. Gray and red, 2' segments at bottom of each side wall. Fully covers bottom of rear doors and horizontal underdrive protection bar. 2 segments of gray tape at each upper corner.
<b>ADDITIONAL OPTIONS</b>	UNIT#224745-750
<b>GALVANIZED CHOICES</b>	Galvanized choices.
<b>COUPLER</b>	Galvanized.



ITEM	DESCRIPTION
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**SUB-STRUCTURE (GALV.)**

Galvanized, cross members, "C" frame for tridem and landing gear structure included.  
(sub-structure galvanized all over except coupler)

**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.