

HALE

TRAILER

BRAKE & WHEEL

A025901
VIN: 231377



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ITEM	DESCRIPTION
TYPE	CHIPS TRAILER
APPLICATION	GALVANIZED SEE SECTION
DIMENSIONS	
LENGTH	48'-0" (14630 mm)
WIDTH	102 3/8" (2600 mm)
HEIGHT	13'-6" coupler height: 48"
WEDGE HEIGHT	5" front to rear.
SUB-STRUCTURE	
KING PIN LOCATION	36" from front. (900 mm)
KING PIN	Bolted, 2" diameter, Holland, KP-0882.
COUPLER PLATE	Approach plate and coupler plate 3/8". (ilo 5/16")
CROSSMEMBERS	1 beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, 12" center to center, GALV
FLOOR	Preparation for walking floor installed at Manac.
FLOOR	Walking Keith 7/32" straight, (2190/2191) 48'-0", **GALVANIZED** 3 1/2" cylinder. Bolted aluminum subdeck #2469, splash guard #2468 full length T-block included. Walking floor deflector with rubber flat at bottom to avoid material going behind.
FRONT WALL	
PANELS	Type: "G" (5" radius corners). 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 sheeting, aluminum extrusions, unpolished on the outside and aluminum plate inside.
LADDERS	
CAT WALK	Aluminum, 24" wide on front wall, ladder, made of aluminum, roadside included.
FRONT DOOR	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,
SIDE WALLS	
PANELS	Aluminum. 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.
POSTS	Posts at 12" c/c for last three side panels.
POSTS	Backing plate (3") behind walls on all horizontal plywood joints.



ITEM	DESCRIPTION
INTERIOR LINNER	All joints between plywood panels to be filled with a clear sealer.
REAR END DOOR FRAME DOOR(S) HEADER DOOR PANELS DOOR LATCH(S) HINGES DOOR HOLDBACKS DOOR FRAME BUMPER	Galvanized steel (G164). Double, swing type, Prepainted aluminum at bottom and 2 blower doors 36 1/2" x 41 1/2" aluminum prepainted at top. Steel formed 4" x 4" x 3/16". Prepainted white aluminum 0.049 thick. Single, Eberhard 1969-U. 3 per door, aluminum. Chain and hook type, including stabilizing rubber stoppers. 1 1/2"x 1 1/2" solid steel push bars, more extension bolted 5" with integrated holes for pull.
BUMPER	CMVSS 223-RIG approved (in accordance with Canada & USA regulation).
LOOP STEP(S)	Formed steel uprights, 4" x 4" cross bar roll formed tubing at a maximum height of 22" from under tubing to ground.
LOOP STEP(S)	Between bumper uprights, galvanized, tubing 3" x 3" X 1/4" with anti-skid FULL LENGTH on top.
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	1 3/4" thick Polyform. Front corners, 1" thick Polyform. Kemlite white "monster scuff", .240" thick, fastened with steel pop rivets.
SIDE WALLS INTERIOR LINER	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	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.
FLASHERS	Sealed beams LED, one lamp including side marker and flasher each side at middle point, amber.
BACK UP LIGHTS	Type sealed beam spot light (Grote #62391 LED), Qty: 2 (in the sill)
TAIL LIGHTS	Sealed beams, red, (Grote LED #53252). Qty: 1 additional each side. (10 diodes)
TAIL LIGHTS	From outside, tail light and flasher, flasher with parking, brake with parking.
MAIN SYSTEM	With additional vapor proof junction box Truck-Lite #50400.



ITEM	DESCRIPTION
ADDITIONAL MARKERS	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.
LANDING GEAR SAND SHOES CRANK SPAN	Holland, Mark V (LGS-3C315-CS748), with mounting plate Galvanized legs option. 10" x 11 1/2", solid axles. Road side. 3/16" formed steel, reinforced, galvanized.
BASIC MECHANICAL FRAME	Fixed, for wedge sub-structure, 1/4" thick, C-shaped, frame construction, plug welded connection ***60" spread tridem air ride suspension.
MECHANICAL SUSPENSION LIFT SUSPENSION (HENDRICK STROKE STOPPERS SPRINGS AXLES SPIDERS CAM SHAFTS TRACK DUST SHIELDS BRAKES BEARINGS SLACK ADJUSTERS SEALS BRAKE CHAMBERS HUBS AND DRUMS RIMS SPACERS TIRES	Hendrickson INTRAAX AAT-30K, tridem, ***60" spread. N.B.: Wingless suspension bracket. 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, "Omnibrake" (30-30), (push rod 9 3/4"). (4 years warranty by T.S.E. for parts only). 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 and between two wheels. Plant choice 24.5. 16 Plys
AIR SYSTEM GLAD HANDS AIR VALVES VALVE	Fixed, bolted. Meritor Wabco, ABS, 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.



ITEM	DESCRIPTION
CONTROL BOX LOAD DEVICE	Stainless steel. 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.
ACCESSORIES REGISTRATION HOLDER MUD FLAPS EXTRA MUD FLAP MIDDLE MUDS FLAP HYDR. CONN. (PRESSURE) HYDR. CONN. (RETURN) HYDRAULIC LINES HYDRAULIC LINES EXTRA MUD FLAPS	One aluminum cylinder. Qty: 3 sets, rubber with Manac logo and vertical grooves to reduce spray. Located at EACH AXLE Qty: 1 set, rubber with Manac logo and vertical grooves to reduce spray. Located at FRONT OF LANDING GEAR Center mud flaps, full width (48" wide) with Manac logo. Located ahead of the tridem. (To protect air booster & the suspensions). Male, 1" diameter, quick coupling. Female, 1" diameter, quick coupling. Hydraulic oil. Operating temperature -10 to 60 degree Celsius. Minimum pump data required : Operation pressure : 2800 psi Pump : 30 to 35 gpm Tank : 35 gallons Hydraulic control for mobil floor with lever extension.
FINISHING UNDERCARRIAGE BOGIE HUBS WHEELS OR RIMS RETROREFLECTIVE TAPES	GALV GALV Black. Natural. 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 underride protection bar. 2 segments of gray tape at each upper corner.
ANNEX(ES) ATTACHED	Ref 229161 except Height
GALVANIZED CHOICES SUB-STRUCTURE (GALV.)	Galvanized choices. 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.