

HALE

TRAILER

BRAKE & WHEEL

A035248

VIN: S034001



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ITEM	DESCRIPTION
TYPE APPLICATION	CHIPS TRAILER 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-0881.
COUPLER PLATE	5/16" thick, reinforced, 100 000 psi steel, extends 18" behind king pin, 17 500 kgs capacity.
CROSSMEMBERS	I 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" cylindre. Bolted aluminum subdeck #2469, splash guard #2468 full length T-block included. Walking floor deflector with rubber flat at bottom to avoid materiel to go behind.
FRONT WALL	Type: "G" (5" radius corners).
PANELS	Stainless steel mirror finish, no paint.
POSTS	Qty: 6, 4 of 45 mm, aluminum, and 1 each end, integrated to aluminum front corners.
FASTENERS	3/16" stainless steel 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 on the outside and unpolished aluminum extrusions.
LADDERS	One, made of aluminum, road side front wall.
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	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)	None.
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.
REAR END	



ITEM	DESCRIPTION
DOOR FRAME DOOR(S)	Galvanized steel (G164). Combined, galvanized steel dump and aluminum swing type with prepainted white aluminum 0.049 thick. Prepainted white pannels towards outside the van. Hinge(s) on each corner. ref: 176406.
BLOWER DOORS	(2) 36 1/2" x 41 1/2" 1/2-13F galvanized wire mesh at top. in a combined door.
HEADER DOOR PANELS	Steel formed 4" x 4" x 3/16". Prepainted white aluminum 0.049 thick. Prepainted white pannels towards outside the van.
DOOR LATCH(S) HINGES	On door sill. Manually operated by a road side handle. 2, one each top corner.
DOOR FRAME BUMPER	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). 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.
SECURITY DOOR LOCK	Handle on road side, with lock on the bottom rail and door frame, with handle tilt limiter.
ROOF NET	Bolted, .049" prepainted aluminum, 16 gauge galvanized posts at 24" c/c. smooth side inside the trailer. None, (NO HOOK FOR NET).
INSULATION FRONT WALL	1 3/4" thick Polyform. Front corners, 1" thick Polyform.
FRONT INTERIOR LINER	Kemlite white "monster scuff", .240" thick, fastened with steel pop rivets.
REAR DOOR(S) DOOR(S) LINER	1 1/2" thick Polyform. Prepainted white aluminum 0.049 thick. Natural aluminum inside the van.
SIDE WALLS INTERIOR LINER	1 3/4" thick Polyform. Kemlite LTR, .120" thick, fastened with steel pop rivets.
ELECTRICAL CONNECTOR PLATE	Raised, aluminum formed plate. 7 ways (SAE J560), Phillips brand, located center.
FRONT CONNECTOR FRONT ADD. CONNECTOR	7 ways (ISO 3731), for auxiliary functions only.
ELECTRICAL SYSTEM MAIN SYSTEM	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)



ITEM	DESCRIPTION
TAIL LIGHTS	Sealed beams, red, (Grote LED #53252). Qty: 1 additional each side. (10 diodes) From outside, tail light and flasher, flasher with parking, brake with parking.
INSIDE SPOT LIGHTS	Back up light type, LED sealed beam (Grote #62401) 54 diodes, qty: 1, fixed REAR top corner with Switch on front bottom rail road side. To light the inside.
ADDITIONAL MARKER(S)	Sealed beams (Grote MicroNova LED (Dot lights #49323, amber), with rubber grommet. Qty: 10 additional each side, evenly spaced.
AUTOMATIC TIRE INFLATION	***12" FROM TOP RAIL, TARP APPLICATION Automatic Tire inflation featuring ONLY: Warning lamp TIREMAAX installed std on road side FRONT CORNER. Must be visible from the truck. (Hendrickson only)
LANDING GEAR SAND SHOES CRANK SPAN	Holland, Mark V (LGS-3C315-CS748), with mounting plate sand shoes 10" x 11 1/2" solid axles. Galvanized legs option. ***MOUNTED 1 CROSSMEMBER REAR OF STANDARD 10" x 11 1/2", solid axles. Road side. 3/16" formed steel, reinforced, galvanized.
BASIC MECHANICAL FRAME ADDITIONNAL BOGIE (GALV)	Fixed, for wedge sub-structure, 1/4" thick, C-shaped, frame construction, plug welded connection, 60" spread tridem air ride suspension. Galvanized, Fixed, 1/4" thick steel, C-shaped frame, x about 102", bolted under crosmembers to receive galv. Walking Keith floor power unit. (Application fixed bogie w/ galv sub-structure)
MECHANICAL SUSPENSION SUSPENSION (INTRAAX)(HXL5) STROKE STOPPERS LIFT SUSPENSION SPRINGS AXLES SPIDERS CAM SHAFTS TRACK DUST SHIELDS BRAKES BEARINGS SLACK ADJUSTERS	Hendrickson INTRAAX disc brake AAT-30K, tridem, 60" spread. (Hendrickson MAXX22T). Bearing HM 518445. 77" track. OPTION "EXTENDED LIFE HXL5 PACKAGE" ON INTRAAX AAT,30K. Seals (Hendrickson), spindle nut (Precision), hub cap (Hendrickson) Synthetic GREASE included. CHAMBER 20/24. 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 Air. LDA, 5 3/4" diameter, 25 000 lbs. capacity. Welded. 77 1/2". Steel, clamped. DISC HM 518445.



ITEM	DESCRIPTION
SEALS BRAKE CHAMBERS HUBS AND DRUMS RIMS SPACERS TIRES	HENDRICKSON SEALS SYNTHETIC GREASE 20/24 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. Plant choice 24.5. 16 Plys
AIR SYSTEM GLAD HANDS AIR VALVES VALVE CONTROL BOX AUTOMATIC TIRE INFLATION AUTOMATIC TIRE INFLATION VALVES	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 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 TIREMAAX installed on road side front radius. "Automatic Tire Inflation Systems", REMARK: Make sure the system is adjusted to the same tires pressure written on the serial plate. Used to close the supply of air to air bags. (2 per axle)(shutt off). Note: Not valide on steer axle
ACCESSORIES REGISTRATION HOLDER EXTRA MUD FLAP HYDRAULIC LINES HYDR. CONN. (PRESSURE) HYDR. CONN. (RETURN) HYDRAULIC LINES HYDRAULIC LINES EXTRA MUD FLAPS EXTRA MUD FLAPS	One plastic, Betts-PS-1 or equivalent. Center mud flaps, full width (48" wide) with Manac logo. Located ahead of the tridem. (To protect air booster & the suspensions). Located curb side instead of road side. Male, 1" diameter, screw type. Female, 1" diameter, screw type with wing nut. 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 Qty: 3 sets, rubber with Manac logo and vertical grooves to reduce spray. Located at EACH AXLE Hydraulic control for mobil floor with lever extension. Qty: 1 set, rubber with Manac logo and vertical grooves to reduce spray. Located at FRONT OF LANDING GEAR REF#237514
FINISHING UNDERCARRIAGE	GALV



ITEM	DESCRIPTION
BOGIE HUBS WHEELS OR RIMS RETROREFLECTIVE TAPES	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.
ADDITIONAL OPTIONS	REF#238910
GALVANIZED CHOICES COUPLER SUB-STRUCTURE (GALV.)	Galvanized choices. Galvanized coupler. 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

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