



A030405-A030406  
VIN: 237228 & 237229



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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: ***50"
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") KIN PIN Bolted, 2" diameter, Holland, KP-0882 included.
CROSSMEMBERS	I beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, 12" center to center, GALV
FLOOR	"F.R.P." 1/2" thick, white. ilo plywood. Fastened with rivets (HUCKTAINER) through the F.R.P.
FRONT WALL	
PANELS	Type: "G" (5" radius corners). Prepainted ***SILVER*** 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	One, made of aluminum, ***CURB side front wall.
FRONT DOOR	One, 25" x 47", panel 3/4" plymetal doors, aluminum prepainted SILVER outside and satin coated steel inside. Including one molded aluminum foot step above connector. For access inside van,
SIDE WALLS	
PANELS	Aluminum. Prepainted silver aluminum 0.049 thick. Front included.
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	Backing plate (2" alu) behind walls on all horizontal Kemlite joints.



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INTERIOR LINNER	All joints between plywood panels to be filled with a clear sealer.
REAR END DOOR FRAME DOOR(S)	Galvanized steel (G164). Single, galvanized steel, dump style, #1/2-13-188F galvanized steel wire mesh at bottom ****open 48" at top.
HEADER DOOR LATCH(S) HINGES DOOR FRAME BUMPER	Steel formed 4" x 4" x 3/16". 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.
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.
BUMPER	Logo "KHIEL" cut in an aluminum plate between bumper uprights. A red plate fixed behind aluminum plate to increase the "visibility" of the logo.
ROOF	Bolted, .049" prepainted aluminum, 16 gauge galvanized posts at 24" c/c.
NET	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.
SIDE WALLS INTERIOR LINER	1 3/4" thick Polyform. Kemlite LTR, .120" thick, fastened with steel pop rivets.
ELECTRICAL CONNECTOR PLATE FRONT CONNECTOR	Raised, aluminum formed plate. 7 ways (SAE J560), Phillips brand, located center. ***LOCATED ROADSIDE
FRONT ADD. CONNECTOR	7 ways (ISO 3731), for auxiliary functions only. ***LOCATED ROADSIDE
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



ITEM	DESCRIPTION
<b>TAIL LIGHTS</b>	(in the sill) Sealed beams, red, (Grote LED #53252). Qty: 1 additional each side. (10 diodes)
<b>MAIN SYSTEM</b>	From outside, tail light and flasher, flasher with parking, brake with parking. With additional vapor proof junction box Truck-Lite #50400.
<b>LANDING GEAR</b>	Holland, Mark V (LGS-3C315-CS748), with mounting plate sand shoes 10" x 11 1/2" solid axles. Galvanized legs option.
<b>SAND SHOES</b>	10" x 11 1/2", solid axles.
<b>CRANK</b>	Road side.
<b>SPAN</b>	3/16" formed steel, reinforced, galvanized.
<b>BASIC MECHANICAL 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 SUSPENSION</b>	Hendrickson INTRAAX disc brake AAT-30K, tridem, 60" spread. N.B.: Wingless suspension bracket. For axles with bearings HM 518445. (Hendrickson MAXX22T)
<b>SUSPENSION (INTRAAX)(HXL5</b>	OPTION "EXTENDED LIFE HXL5 PACKAGE" ON INTRAAX/VANTRAAX SUSPENSION. Seals (Hendrickson), spindle nut (Precision), hub cap (Hendrickson) Synthetic GREASE included. CHAMBER 20/24
<b>STROKE STOPPERS</b>	Retaining chains for INTRAAX air suspensions with grounded axles.
<b>LIFT SUSPENSION</b>	Air lift Hendrickson "UBL-102". **bolted and galvanized**. Quick and brake release valves on air lift suspension. ***REAR AXLE***
<b>SPRINGS</b>	Air.
<b>AXLES</b>	LDA, 5 3/4" diameter, 25 000 lbs. capacity.
<b>SPIDERS</b>	Welded.
<b>CAM SHAFTS</b>	
<b>TRACK</b>	77 1/2".
<b>DUST SHIELDS</b>	Steel, clamped.
<b>BRAKES</b>	HENDRICKSON MAX22T DISC
<b>BEARINGS</b>	HM 518445.
<b>SLACK ADJUSTERS</b>	
<b>SEALS</b>	HENDRICKSON HXL5, SYNTHETIC GREASE
<b>BRAKE CHAMBERS</b>	20/24
<b>HUBS AND DRUMS</b>	WEBB, 10 studs disc hubs, balanced drums 104.5 lbs, outboard mount, 285.75mm B.C., single flange nuts. For dual aluminium wheels.



ITEM	DESCRIPTION
RIMS	Alcoa, aluminum, "ULTRA ONE", half inside polished (Dura-Bright) and half "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.
TIRES	Continental, 11 R 24.5 HSR-2                      16 ply      (43.5")
AIR SYSTEM	
GLAD HANDS	Fixed, bolted. ***ROADSIDE
AIR VALVES	Meritor Wabco, IABS, 2 sensors 1 modulator.
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
CONTROL BOX	Installed at front of van, at bottom, ROAD side.
LOAD DEVICE	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.
VALVES	Used to close the supply of air to air bags. (2 per axle)(shutt off).
AIR TANK	Aluminum.
ACCESSORIES	
REGISTRATION HOLDER	One aluminum cylinder.
MUD FLAPS	One set, rubber with Manac logo and vertical grooves to reduce spray.
EXTRA MUD FLAP	Center mud flaps, full width (48" wide) with Manac logo. Located ahead of the tridem. (To protect air booster & the suspensions).
CHAIN HOLDERS	(4) welded to crossmembers, 2 each side to hang tractor chains. Located at rear of landing gear.
FINISHING	
UNDERCARRIAGE	GALV
BOGIE	GALV
HUBS	Painted with acrylic urethane paint, same color as axles.
WHEELS OR RIMS	Natural.
AXLES	Painted with acrylic urethane paint, Gray, code: PPG Q37-939514.
RETROREFLECTIVE TAPES	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.
SIDE DOOR(S)	Front door painted grey silver PPG ESSS 1001463
ANNEX(ES) ATTACHED	REF#233198



ITEM	DESCRIPTION
<b>GALVANIZED CHOICES SUB-STRUCTURE (GALV.)</b>	Galvanized choices. Galvanized, cross members, "C" frame for tridem and landing gear structure included. (sub-structure galvanized all over except coupler)
<b>CONFORMITY</b>	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.
<div>DISCLAIMER</div> <div>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.</div>	