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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-0881.
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	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 lengh 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	
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, ***STAINLESS*** 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.



ITEM	DESCRIPTION
TOP RAILS BOTTOM RAILS VENTS POSTS	5 1/2" high, open top aluminum extrusions, unpolished. 8 7/8" high, aluminum extrusions, unpainted. None, request from customer. Posts at 12" c/c for last three side panels.
REAR END 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.
HEADER DOOR PANELS DOOR LATCH(S) HINGES DOOR FRAME BUMPER BUMPER DOOR LOCK(S) LOOP STEP(S)	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. Security type, road side. 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 hignes. 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 REAR DOOR(S) DOOR(S) 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. 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.
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



ITEM	DESCRIPTION
FLASHERS	(10 diodes), markers #47122,233 (2 1/2") at bottom and each side on top of rear door frame (1"), licence light LED.
BACK UP LIGHTS	Sealed beams LED, one lamp including side marker and flasher each side at middle point, amber.
TAIL LIGHTS	Type sealed beam spot light (Grote #62391 LED), Qty: 2 (in the sill)
MAIN SYSTEM	Sealed beams, red, (Grote LED #53252). Qty: 1 additionnal each side. (10 diodes)
INSIDE SPOT LIGHTS	From outside, tail light and flasher, flasher with parking, brake with parking.
ADDITIONAL MARKERS	With additional vapor proof junction box Truck-Lite #50400.
AUTOMATIC TIRE INFLATION	Back up light type, LED sealed beam (Grote #62401) 54 diodes, qty: 1, fixed FRONT top corner with Switch on front bottom rail road side. To light the inside.
LANDING GEAR	Sealed beams (Grote MicroNova LED #47963/62). Qty: 10 additionnal each side, evenly spaced, evenly spaced, on bottom rails and 12" under top rail.
SAND SHOES	for tarp application. SNAP-IN GROMMET
CRANK	Automatic Tire inflation featuring ONLY:
SPAN	Warning lamp TIREMAAX installed std on road side FRONT CORNER. Must be visible from the truck. (Hendrickson only)
BASIC MECHANICAL	
FRAME	Holland, Mark V (LGS-3C315-CS748), with mounting plate sand shoes 10" x 11 1/2" solid axles.
ADDITIONNAL BOGIE (GALV)	Galvanized legs option. 10" x 11 1/2", solid axles.
MECHANICAL	Road side.
SUSPENSION	3/16" formed steel, reinforced, galvanized.
SUSPENSION (INTRAAX)(HXL5)	Fixed, for wedge sub-structure, 1/4" thick, C-shaped, frame construction, plug welded connection, 60" spread tridem air ride suspension.
STROKE STOPPERS	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)
LIFT SUSPENSION	
	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



ITEM	DESCRIPTION
SPRINGS	Air.
AXLES	LDA, 5 3/4" diameter, 25 000 lbs. capacity.
SPIDERS	Welded.
CAM SHAFTS	
TRACK	77 1/2".
DUST SHIELDS	Steel, clamped.
BRAKES	DISC
BEARINGS	HM 518445.
SLACK ADJUSTERS	
SEALS	HENDRICKSON HXL5 SYNTHETIC GREASE
BRAKE CHAMBERS	20/24
HUBS AND DRUMS	WEBB, 10 studs disc hubs, balanced drums 104.5 lbs, outboard mount, 285.75mm B.C., single flange nuts. For dual aluminium wheels.
RIMS	Alcoa, aluminum, "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 and between two wheels.
TIRES	Continental, 11 R 24.5 HSR-2 16 ply (43.5")
AIR SYSTEM	
GLAD HANDS	Fixed, bolted.
AIR VALVES	Meritor Wabco, ABS, 2 sensors 1 modulator.
VALVE	Manual blow down valve in a control box, WITHOUT auto-reset feature.
CONTROL BOX	Stainless steel
AUTOMATIC TIRE INFLATION	"Automatic Tire Inflation Systems", REMARK: Make sure the system is adjusted to the same tires pressure written on the serial plate.
AUTOMATIC TIRE INFLATION	Automatic Tire inflation System Hendrickson Tiremaax 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.
VALVES	Used to close the supply of air to air bags. (2 per axle)(shutt off).
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.
ACCESSORIES	
REGISTRATION HOLDER	One plastic, Betts-PS-1 or equivalent.
MUD FLAPS	One set, rubber with Manac logo and vertical grooves to reduce spray.
EXTRA MUD FLAP	Qty: 1 set, rubber with Manac logo and vertical grooves to reduce spray. Located at FRONT OF LANDING GEAR



ITEM	DESCRIPTION
HYDR. CONN. (PRESSURE)	Male, 1" diameter, quick coupling.
HYDR. CONN. (RETURN)	Female, 1" diameter, quick coupling.
HYDRAULIC LINES	Hydraulic oil. Operating temperature -10 to 60 degree Celsius.
HYDRAULIC LINES	Minimum pump data required :
	Operation pressure : 2800 psi
	Pump : 30 to 35 gpm
	Tank : 35 gallons
EXTRA MUD FLAPS	Qty: 3 sets, rubber with Manac logo and vertical grooves to reduce spray.
	Located at EACH AXLE AND FULL WIDTH AT REAR
ANTI-SAIL BRACKETS	Qty: 2 set, for mud flaps.
	Hydraulic control for mobil floor with lever extension.
HYDRAULIC LINES	Located curb side instead of road side.
	Application Mobil floor for chip van.
MIDDLE MUDDS FLAP	Center mud flaps, full width (48" wide) with Manac logo.
	Located ahead of the tridem.
	(To protect air booster & the suspensions).
FINISHING	
UNDERCARRIAGE	GALV
BOGIE	GALV
HUBS	Painted with acrylic urethane paint, same color as axles.
WHEELS OR RIMS	Natural.
AXLES	Painted with polyurethane acrylic paint, color: BLACK , code: MANAC
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.
ADDITIONAL OPTIONS	REF#221631
GALVANIZED CHOICES	Galvanized choices.
COUPLER	Galvanised.
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.