

HALE

TRAILER

BRAKE & WHEEL



Hale Trailer Brake & Wheel

196291



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-0882.
COUPLER PLATE	Approche plate and coupler plate 3/8".
CROSSMEMBERS	1 beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, 12" center to center,
FLOOR	Preparation for walking floor installed at Manac.
FLOOR	Walking Keith 7/32" straight, (2190/2191) 48'-0", 3 1/2" cylindre.
	Bolted aluminum subdeck #2469, splash guard #2468 full lenght,
	T-block included.
	(application galvanized sub-structure)
	Walking floor deflector with rubber flat at bottom to avoid materiel
	to go behing.
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 steel mirror finish
	outside and satin coated steel inside.
	Including one molded aluminum foot step above connector.
	For access inside van,
	Warning: see insulation section for inside lining.
SIDE WALLS	Aluminum.
PANELS	Prepainted black aluminum 0.049 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	None, request from customer.
POSTS	Posts at 12" c/c for last three side panels.



ITEM	DESCRIPTION
REAR END	
DOOR FRAME	Galvanized steel (G164).
DOOR(S)	Combined, galvanized steel dump and aluminum swing type with prepainted BLACK aluminum 0.049 thick. Prepainted BLACK panels towards outside the van. Hinge(s) on each corner. ref: 176406.
HEADER	Steel formed 4" x 4" x 3/16".
DOOR LATCH(S)	Single, Eberhard 1969-U.
HINGES	3 per door, aluminum.
DOOR HOLDBACKS	Chain and hook type, including stabilizing rubber stoppers.
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.
DOOR LOCK(S)	Security type, road side.
LOOP STEP(S)	Between bumper uprights, galvanized, tubing 3" x 3" X 1/4" with anti-skid on top and bolted at each end. Ref: 174277.
ROOF	Open type.
BOWS	Qty: 3, galvanized steel (G164), without offset and hignes.
TARP SUPPORT	1/4" aluminum plate at each end of the unit for roll tarp type.
NET	None, (NO HOOK FOR NET).
INSULATION	
FRONT WALL	1 1/2" thick Polyform. Front corners, 1" thick Polyform.
FRONT INTERIOR LINER	Kemlite white "monster scuff", .240" thick, fastened with steel pop rivets.
REAR DOOR(S)	1 1/2" thick Polyform.
DOOR(S) LINER	Prepainted BLACK aluminum 0.049 thick. Natural aluminum inside the van.
SIDE WALLS	1 1/2" thick Polyform.
INTERIOR LINER	Kemlite LTR, .120" thick, fastened with steel pop rivets.
ELECTRICAL	
CONNECTOR PLATE	Raised, aluminum formed plate.
FRONT CONNECTOR	7 ways (SAE J560), Phillips brand, located center.
FRONT ADD. CONNECTOR	7 ways (ISO 3731), for auxiliary functions only.
ELECTRICAL SYSTEM	Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108.
MAIN SYSTEM	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 #60280-M.
FLASHERS	Sealed beams LED, one lamp including side marker and flasher each side at middle point, amber.
BACK UP LIGHTS	Sealed beam spot light (Grote #40-4411-00 in a closed back rubber grommet), Qty: 2
TAIL LIGHTS	Sealed beams, red, (Grote LED #53252). Qty: 1 additionnal each side. (10 diodes)



ITEM	DESCRIPTION
MAIN SYSTEM INSIDE SPOT LIGHTS ADDITIONAL MARKERS	From outside, tail light and flasher, flasher with parking, brake with parking. With additional vapor proof junction box Truck-Lite #50400. Back up light type, LED sealed beam (Grote #62401) 54 diodes, qty: 1, fixed ***front*** road side top corner with Switch on front bottom rail road side. To light the inside toward the front. Sealed beams (Grote MicroNova LED #47952/53) with chrome rings. Qty: 10 additionnal each side, (5) evenly spaced on bottom rails and (5) evenly spaced 12" under top rail. Total: 20. Warning lamp TIREMAAX installed on road side front radius.
LANDING GEAR SAND SHOES CRANK SPAN	Holland, Mark V (LGS-3C315), 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, bolted connection, 60" spread tridem air ride suspension.
MECHANICAL SUSPENSION STROKE STOPPERS LIFT SUSPENSION SPRINGS AXLES SPIDERS CAM SHAFTS TRACK DUST SHIELDS BRAKES BEARINGS SLACK ADJUSTERS SEALS BRAKE CHAMBERS HUBS AND DRUMS RIMS RIMS SPACERS TIRES	Hendrickson INTRAAX disc brake AAT-30K, tridem, 60" spread. (Hendrickson MAXX22T). Bearing HM 518445. 77" track. Retaining chains for INTRAAX air suspensions with grounded axles. Air lift Hendrickson "UBL-102". **BOLTED KIT-GALVANIZED**. Quick and brake release valves on air lift suspension. Located ****REAR AXLE*** Air. LDA, 5 3/4" diameter, 25 000 lbs. capacity. Welded. DISC BRAKES 77 1/2". Steel, clamped. DISC BRAKES HM 518445. DISC BRAKES "Gearlube" mineral oil, SAE 80W90. DISC BRAKES 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. Continental, 11 R 24.5 HSR-2 16 ply (43.5") Automatic Tire inflation System Tiremaax.
AIR SYSTEM GLAD HANDS	Fixed, bolted.



ITEM	DESCRIPTION
AIR VALVES VALVE	Meritor Wabco, ABS, 2 sensors 1 modulator.
CONTROL BOX AUTOMATIC TIRE INFLATION	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 Tiremaax PRO. For axles with bearings HM 518445, dual tires. NOTE: Axles prep. fees included for undressed axle. *** Maximum allowable tire pressure for this device is 120psi *** (tridem application) "Automatic Tire Inflation Systems", REMARK: Make sure the system is adjusted to the same tires pressure written on the serial plate.
ACCESSORIES	
REGISTRATION HOLDER	One aluminum cylinder.
MUD FLAPS	One set, rubber with Manac logo and vertical grooves to reduce spray.
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: 2 set, rubber with Manac logo and vertical grooves to reduce spray. Located at rear of each axles.
ANTI-SAIL BRACKETS	Hydraulic control for mobil floor with lever extension.
FINISHING	
UNDERCARRIAGE	Galv.
BOGIE	Galv.
HUBS	Black.
WHEELS OR RIMS	Natural.
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.
GALVANIZED CHOICES	Galvanized choices.
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.