

HALE

TRAILER




BRAKE & WHEEL

A022382-A022387
VIN: 231388-231393



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ITEM	DESCRIPTION
TYPE	SEMI-TRAILER, COMBO DROP PLATFORM
DIMENSIONS	
LENGTH	53'-0"
WIDTH	102", 97" between side rails.
HEIGHT	Floor, approximately 59" high at front and 36" at the bumper.
DROP HEIGHT	** 25", located at 11'-0" from front.
COUPLING	
COUPLER PLATE	3/8", plug welded structure.
KING PIN LOCATION	*** 30" from front.
COUPLER HEIGHT	48".
STRUCTURE	44" c/c frame with "CAMBER".
FLANGES	1/2" x 5", 100 000 psi steel, in gooseneck. 5/8" x 5", 100 000 psi steel in lower deck, 22" high in center and 14" above suspension.
WEB	1/4" plate in king pin area, 3/16" uppermost section and 1/4 transition area and above suspensions, 80 000 psi steel, with holes, parachute shaped, to lighten trailer.
FRAME BRACING	4" x 3/8" strap at top and 4" x 3/4" at bottom in transition area above first axle.
GOOSENECK	11 1/4" high, 48" straight behind king pin.
CROSSMEMBERS	1 beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, galvanized, 16" c/c in gooseneck and the remaining 12" c/c.
FLOOR	Structural aluminum extrusions, flat type, inverted "T", 1 1/4" high with 3 Apitong or equivalent planks.
FLOOR FASTENING	2 screws per extrusion at first and 2 last crossmembers and 1 screw staggered for other crossmembers. 2 rivets per plank at each crossmember.
SIDE RAILS	3 3/4" x 5 13/16" high, extruded aluminum, Cargo Rail integrated.
SIDE BOXES	3 5/8" x 1 5/8" inside, 4" high, extruded aluminum. CMVSS-905 WLL, 5,500 lbs WLL approved.
RUB RAILS	Aluminum extrusions 3/8" x 2 3/4". Dual rub rail spacers 1" x 1 3/4" as anchor.
CORNERS	Bevelled.
FENDERS	Reinforcement over tires at rear, steel tubing structure, galvanized (G164), floor full length.
KNEE BRACES	3/16" formed steel plates, galvanized (G164), bolted in web and a crossmembers located each side.
X BRACES	Between main beams, full length.
BRACING FOR COILS	Bracing for coil, qty:1. Made of 6 crossmembers 4" @ 3.2 # between additional main beams and crossmembers. Located: CENTERED (kit for coil *** 45 000 lbs *** max.)
TWIST LOCKS	Buffer brand twist locks, (8) retractables for (2) conventional containers of 20'-0" or (1) of 40'-0". (Combo) (no dockable).
ENDS	



ITEM	DESCRIPTION
FRONT RAIL BUMPER BUMPER REAR RAIL	Bolted aluminum extrusion, 7" high, overlapped floor to allow floor plank to walk underneath. CMVSS 223-RIG approved (in accordance with Canada & USA regulation). Galvanised (G164) steel, bolted uprights to frames, 4" x 4" cross bar roll formed tubing at a maximum height of 22" from under tubing to ground. 2 Heavy duty rubber dock, at the end of rear rail. Aluminum extrusion, 6 1/2 high, 16000 lbs lift truck proof, including 3 boxes integrated.
ELECTRICAL FRONT CONNECTOR FRONT ADD. CONNECTOR ELECTRICAL SYSTEM MAIN SYSTEM FLASHERS TAIL LIGHTS STROBE LIGHTS SWITCH ADDITIONAL MARKER(S)	7 way (SAE J560), Phillips brand. 7 way (ISO 3731), for auxiliary functions only. Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108. Grote Ultra Blue LED, sealed beams, (tail lights with male pins #54332, markers lights Micronova #47962, 47973, identification lights #47122 (2 1/2" dia.), licence light #60291-3). Sealed beams LED, one lamp including side marker and flasher, each side at middle point, amber. Sealed beams (Grote DEL #54332) red. Qty: 1 additionnal each side. (2), installed (1) on each side, (Grote 77353 amber) (rubber grommet) Sealed, to activate strobe lights, installed in the control box. Sealed beams (Grote MicroNova Penny lights LED #49323-3). Qty: *** 9 *** additionnal each side evenly spaced. Warning lamp Tiremaax installed on road side front rail. From outside, tail lights and flasher, flasher with parking, brake with parking.
LANDING GEAR SAND SHOES CRANK	Holland, ATLAS 55 (LG442B), with mounting plate. 10" x 10". Road side.
BOGIE BASIC MECHANICAL BOGIE	Basic mechanical for sales book. Fixed front suspension and slider bogie at rear. * Painted * Hendrickson HTZUS 25K single, Z frame structure, 6.5" R.H., with "UHMV" slider plastic pads, 4 retainers and 4 pneumatic locking pins "Quik Draw", tandem 54", 65" and 122" spread. *** CAL LEGAL WHEN CLOSED ***
MECHANICAL (GROUND AXLES) SUSPENSION SUSPENSION (INTRAAX)(HXL5) U-BOLTS SPRINGS AXLE(S) CAM SHAFTS	Hendrickson HTZUS + HT-250US (6.5), tandem. For axles with bearings HM 218248 and HM 212049. OPTION "EXTENDED LIFE HXL5 PACKAGE" Synthetic GREASE included. With nuts at bottom. Air. Hendrickson, HN-S505, 20 000 lbs. capacity. * Painted * 28 splines.



ITEM	DESCRIPTION
TRACK BRAKES BEARINGS SLACK ADJUSTERS SEALS BRAKE CHAMBERS HUBS AND DRUMS RIMS SPACERS TIRES	77 1/2". 12 1/4" standard, long life H20-HXS Hendrickson lining. HM 218248 and HM 212049. Haldex S-ABA, automatic, curved, 28 splines. Grease T.S.E. brake, "Omnibrake" (30-30), long stroke. (4 years warranty by T.S.E. for parts only). Webb, hub piloted wheel, 8 long studs 275mm B.C., balanced cast drums outboard mount. Alcoa, aluminum, inside polished 17.5 x 6.75, disc (8 holes), 275mm B.C., single flange nuts. Wheel guard 8 holes. Located between the inside wheel and the drum. Continental, 235/75 R 17.5 HTL-2 ECO-PLUS 18 ply (31.6") Automatic Tire inflation System Hendrickson Tiremaax.
AIR SYSTEM GLAD HANDS AIR VALVES VALVE(S) VALVE(S) VALVE AUTOMATIC TIRE INFLATION	Fixed. Rockwell Wabco, ABS, 2 sensors 1 modulator. Automatic blow down valve, WITHOUT control box, Fast-brake kit. Blow down valve on REAR axle, controlled from the cab, activated when the cruising speed is lower than 16 Km (10 mph), warning light installed road side facing the axle when the blow down valve is activated, without break release. Automatic Tire inflation System Hendrickson Tiremaax PRO. For axles with bearings HM 218248 and HM 212049, dual tires. NOTE: Axles prep. fees included for undressed axle. *** Maximum allowable tire pressure for this device is 120psi *** (tandem 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 MUD FLAPS SLIDING TRACK WINCHES BOX(ES)	One plastic, Betts-PS-1 or equivalent. One set, rubber with Manac logo and vertical grooves to reduce spray. Full length, "LL" extruded aluminum, road side. Qty: 17, ANCRA #49207-137-XZ, zinc plated slider (low profil 5 7/8"). (5) ON UPPER DECK, (12) ON LOWER DECK Qty: 1 , aluminum checker plate, double doors, hinges on sides, "anti-rack" handle lock style. 18" deep x **15*** high x 60" wide. By TREBOR. Located at R/S BY LANDINGG GEAR
FINISHING PAINT BOGIE	Shot blasted, one coat of epoxy primer and one acrylic polyurethane top coats Color: black, code: PPG CCA947255-55. One coat of epoxy primer and one acrylic urethane top coats, Color: black, code: PPG CCA947255-55. Axles (wheel end) included. (Tandem).



ITEM	DESCRIPTION
RETROREFLECTIVE TAPES WHEELS OR RIMS AXLES	Conspicuity striping in compliance with CMVSS 108. Gray and red each side, fully covers rear sill and horizontal underride protection bar. Natural aluminum. *** painted black ***
R	Due to the deep backlogs, material/component availability, price fluctuation and transportation costs, Manac reserves the right to adjust the price based these instabilities. If needed, Manac will contact the dealer or customer app 3 months prior to assembly with revised pricing, or a change in components. At that time, the customer will have the option to accept the change or cancel. This will prevent and any possible cancellation fees from our suppliers.
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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