

# HALE

## TRAILER

### BRAKE & WHEEL

A038088-A038092  
VIN: S036788-S036792



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| ITEM              | DESCRIPTION                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE              | SEMI-TRAILER, TELESCOPIC STEEL DROP PLATFORM.                                                                                                                                                                                           |
| DIMENSIONS        | According to the loading model provided by Manac engineers and only this one, structural capacity can support 80,000 LBS when open.<br>Please note, this does not concern mechanical parts and they would be overloaded in such a case. |
| LENGTH            | 53'-0" closed.                                                                                                                                                                                                                          |
| LENGTH            | 71'-0" opened.                                                                                                                                                                                                                          |
| OPENINGS          | 5'-0" increments in closed position.                                                                                                                                                                                                    |
| WIDTH             | 102", 97" between side rails.                                                                                                                                                                                                           |
| HEIGHT            | Floor, approximately 61" high at front and 34" at the bumper.                                                                                                                                                                           |
| DROP HEIGHT       | 25", located at 10'-6" from front.                                                                                                                                                                                                      |
| COUPLING          |                                                                                                                                                                                                                                         |
| COUPLER PLATE     | 3/8", plug welded structure.                                                                                                                                                                                                            |
| KING PIN LOCATION | 18" from front.                                                                                                                                                                                                                         |
| COUPLER HEIGHT    | 49".                                                                                                                                                                                                                                    |
| STRUCTURE         | Frame with "CAMBER".                                                                                                                                                                                                                    |
| FLANGES           | Female section, exterior, 1/2" x 6", 100 000 psi steel, 24" high.                                                                                                                                                                       |
| FLANGES           | Male section (interior), 3/4" x 6", 60 000 psi steel, 17 5/8" high and 13 1/2" above suspension.                                                                                                                                        |
| WEB               | 1/4" plate full length, 80 000 psi steel.                                                                                                                                                                                               |
| GOOSENECK         | 12 1/4" high, 48" straight behind king pin.                                                                                                                                                                                             |
| CROSSMEMBERS      | I beams 4" @ 3.64 lbs/ft 80 000 psi steel. 12" center to center in gooseneck and the remaining 12" c/c on lower deck.                                                                                                                   |
| FLOOR             | Aptitong or equivalent, 1 1/8" thick shiplap finished, no preservative.                                                                                                                                                                 |
| FLOOR FASTENING   | Two screws per board at each crossmember.                                                                                                                                                                                               |
| SIDE RAILS        | 6" channel @ 8.2 lbs/ft.                                                                                                                                                                                                                |
| SIDE BOXES        | 3/16" steel plate, 1 5/8" x 3 5/8" interior, 4" high.<br>(USA Dimensions).                                                                                                                                                              |
| RUB RAILS         | 3/8" x 2 1/2" shaped steel.                                                                                                                                                                                                             |
| CORNERS           | Bevelled.                                                                                                                                                                                                                               |
| FENDERS           | Over tires at rear, checker plate 1/8".                                                                                                                                                                                                 |
| DIAGONAL BRACES   | 2" x 2" x 3/16" angles, ** bolted ** in web and to crossmember, located each side.                                                                                                                                                      |
| LOCKS             | Air operated with a third glad hand at front.                                                                                                                                                                                           |
| ROLLERS           | 4, 2 on female sections of frames and 2 on male sections.                                                                                                                                                                               |
| ENDS              |                                                                                                                                                                                                                                         |
| FRONT RAIL        | 9 gauge formed steel.                                                                                                                                                                                                                   |
| BUMPER            | CMVSS 223-RIG approved (in accordance with Canada & USA regulations).<br>Uprights integrated with frames, 4" x 4" cross bar roll formed tubing at a maximum height of 22" from under tubing to ground.                                  |
| POCKETS           | 2 bolted galvanised pockets at front for removable headboard.                                                                                                                                                                           |
| REAR RAIL         | 11" high, 9 gauge formed steel, including 3 boxes at rear and 3/8" x 2 1/2" shaped steel.                                                                                                                                               |
| ELECTRICAL        |                                                                                                                                                                                                                                         |
| FRONT CONNECTOR   | 7 way (SAE J560), Phillips brand.                                                                                                                                                                                                       |



| ITEM                                                                                                                                               | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>ELECTRICAL SYSTEM<br/>MAIN SYSTEM</b>                                                                                                           | Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108.<br>Grote Ultra Blue LED, sealed beams Grote, tail lights with male pins #54332, markers #47122, 47233 (2 1/2" dia.), licence light #60280-M, with vapor proof junction box Truck-Lite #50400.                                                                                                                                                                               |
| <b>TURN SIGNAL</b>                                                                                                                                 | Sealed beams LED, one lamp including side marker and flasher, each side at middle point, amber.                                                                                                                                                                                                                                                                                                                                                     |
| <b>REAR ADD. CONNECTOR<br/>STROBE LIGHTS</b>                                                                                                       | 4 way.<br>Sealed beams (Grote LED #77353 strobe) amber. Qty: (1) each side.<br>toggle switch installed: REAR                                                                                                                                                                                                                                                                                                                                        |
| <b>TAIL LIGHTS</b>                                                                                                                                 | Sealed beams (Grote DEL #54332) red. Qty: 1 additionnal each side.<br>From outside, tail lights and flasher, flasher with parking, brake with parking.<br>TIREMAAX warning lamp installed on road side front rail.                                                                                                                                                                                                                                  |
| <b>LANDING GEAR<br/>SAND SHOES<br/>CRANK</b>                                                                                                       | Holland, Mark V (LGS-4F115), with mounting plate.<br>10" x 11 1/2".<br>Road side.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>BOGIE<br/>BASIC SUSPENSION<br/>BOGIE<br/>SUSPENSION</b>                                                                                         | Fixed.<br>Hendrickson HT-250US (6.5), tandem, 60" spread.<br>*** CAL Legal w/ rear axle lifted ***                                                                                                                                                                                                                                                                                                                                                  |
| <b>LIFT DEVICE</b>                                                                                                                                 | Hendrickson HT-250US (6.5) with Manac center lift.<br>Located at 60" rear of tandem. Controled manually.<br>*** Only 1 1/2" of clearance from the ground if used at rear. ***<br>*** NO WARRANTY ON THE TIRES NOR GROUND AXLES, (FLAT SPOT) ***                                                                                                                                                                                                     |
| <b>U-BOLTS<br/>SPRINGS<br/>AXLE(S)<br/>SPIDERS<br/>CAM SHAFTS<br/>TRACK<br/>DUST SHIELDS<br/>BRAKES<br/>BEARINGS<br/>SLACK ADJUSTERS<br/>SEALS</b> | With nuts at bottom.<br>Air.<br>Hendrickson, HN-S50H, 20 000 lbs. capacity.<br>Welded.<br>28 splines.<br>77 1/2".<br>None.<br>12 1/4" standard, long life H20-HXS Hendrickson lining.<br>HM 218248 and HM 212049.<br>Haldex S-ABA, automatic, curved, 28 splines, (6").<br>*** Stemco, "Platinum Performance System". Including "Guardian seals,<br>Pro-Torq spindle nuts, Integrated Sentinal hub caps with Synthetic oil,<br>Mobil Delvac 75W-90. |
| <b>BRAKE CHAMBERS</b>                                                                                                                              | T.S.E. brake, "Omnibrake" (30-30), long stroke.<br>(4 years warranty by T.S.E. for parts only).                                                                                                                                                                                                                                                                                                                                                     |
| <b>HUBS AND DRUMS</b>                                                                                                                              | WEBB, 8 studs disc hubs, drums 93 lbs,<br>outboard mount, 275mm B.C., single flange nuts.<br>For dual steel wheels or single wheels.                                                                                                                                                                                                                                                                                                                |
| <b>RIMS</b>                                                                                                                                        | 17.5 x 6.75, disc (8 holes),<br>275mm B.C., single flange nuts, 4 hand holes.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>TIRES</b>                                                                                                                                       | Continental, 235/75 R 17.5 HTL-2 ECO-PLUS 18 ply (31.6")<br>Automatic Tire inflation System Tiremaax.                                                                                                                                                                                                                                                                                                                                               |



| ITEM                            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AIR SYSTEM</b>               |                                                                                                                                                                                                                                                                                                                                                                              |
| <b>GLAD HANDS</b>               | Fixed, filter on the third glad hand at front.                                                                                                                                                                                                                                                                                                                               |
| <b>AIR VALVES</b>               | Meritor Wabco, IABS, 2 sensors 1 modulator.                                                                                                                                                                                                                                                                                                                                  |
| <b>VALVE(S)</b>                 | Fast-brake kit.                                                                                                                                                                                                                                                                                                                                                              |
| <b>VALVE</b>                    | Manual blow down valve in a control box, with auto-reset feature, including Glycerin filled pressure gauge, in P.S.I., to indicate load with a conversion table.                                                                                                                                                                                                             |
| <b>CONTROL BOX</b>              | Stainless steel                                                                                                                                                                                                                                                                                                                                                              |
| <b>AUTOMATIC TIRE INFLATION</b> | Automatic Tire inflation System Hendrickson Tiremaax PRO.<br>For axles with bearings HM 218248 and HM 212049, dual tires.<br>NOTE: Axles prep. fees included for undressed axle.<br>*** Maximum allowable tire pressure for this device is 120psi ***<br>(tridem application)                                                                                                |
| <b>VALVE</b>                    | Quick and brake release valves on air lift.<br>"Automatic Tire Inflation Systems", REMARK: Make sure the system is adjusted to the same tires pressure written on the serial plate.                                                                                                                                                                                          |
| <b>ACCESSORIES</b>              |                                                                                                                                                                                                                                                                                                                                                                              |
| <b>REGISTRATION HOLDER</b>      | One plastic, Betts-PS-1 or equivalent.                                                                                                                                                                                                                                                                                                                                       |
| <b>WINCHES</b>                  | Qty: 12, ANCRA #49207-137-XZ, zinc plated slider (5 7/8").                                                                                                                                                                                                                                                                                                                   |
| <b>SLIDING TRACK</b>            | Full length, "LL" extruded aluminum, road side.                                                                                                                                                                                                                                                                                                                              |
| <b>MUD FLAPS</b>                | One set, rubber with Manac logo and vertical grooves to reduce spray.                                                                                                                                                                                                                                                                                                        |
| <b>EXTRA MUD FLAPS</b>          | Qty: 2, rubber.<br>Located: 1 at front of landing gear in between main frames, to protect the hoses coil, and 1 at front of suspension in between main frames, to protect air boosters.                                                                                                                                                                                      |
| <b>FINISHING</b>                |                                                                                                                                                                                                                                                                                                                                                                              |
| <b>PAINT</b>                    | Shot blasted, one coat of epoxy primer and two polyurethane acrylic top coats<br>Color: black, code: PPG AU37-FP908.                                                                                                                                                                                                                                                         |
| <b>PAINT</b>                    | **Zinc** primer instead of epoxy primer.                                                                                                                                                                                                                                                                                                                                     |
| <b>AXLE(S) PAINTED</b>          | Same color as trailer.<br>*** black ***                                                                                                                                                                                                                                                                                                                                      |
| <b>HUBS</b>                     | Same color as trailer.<br>*** black ***                                                                                                                                                                                                                                                                                                                                      |
| <b>WHEELS OR RIMS</b>           | Powder top coat white.                                                                                                                                                                                                                                                                                                                                                       |
| <b>RETROREFLECTIVE TAPES</b>    | Conspicuity striping in compliance with CMVSS 108.<br>Gray and red, each side,<br>fully covers rear sill and horizontal underride protection bar.                                                                                                                                                                                                                            |
| <b>ADDITIONAL OPTIONS</b>       | same as U#241368. Add tire inflation system<br>Estimated weight is 18,303 LBS +/- 3%                                                                                                                                                                                                                                                                                         |
| <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. |



#### 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.  
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