

# HALE

## TRAILER

### BRAKE & WHEEL

#### Hale Trailer Brake & Wheel

#### 202333-202399



ITEM	DESCRIPTION
<b>TYPE</b>	SEMI-TRAILER, TELESCOPIC STEEL DROP PLATFORM.
<b>DIMENSIONS</b>	
<b>LENGTH</b>	53'-0" closed.
<b>LENGTH</b>	71'-0" opened.
<b>OPENINGS</b>	5'-0" increments in closed position.
<b>OPENINGS</b>	*** 30" c/c increments ***
<b>WIDTH</b>	102", 97" between side rails.
<b>HEIGHT</b>	Floor, approximately 61" high at front and 41 3/4" at the bumper.
<b>DROP HEIGHT</b>	19", located at 10'-6" from front.
<b>COUPLING</b>	
<b>COUPLER PLATE</b>	5/16", plug welded structure.
<b>KING PIN LOCATION</b>	18" from front.
<b>COUPLER HEIGHT</b>	49".
<b>STRUCTURE</b>	Frame with "CAMBER".
<b>FLANGES</b>	Female section, exterior, 3/8" x 6", 100 000 psi steel, 24" high.
<b>FLANGES</b>	Male section (interior), 3/4" x 6", 60 000 psi steel, 17 5/8" high and 16 1/2" above suspension.
<b>WEB</b>	1/4" plate in king pin area and the remaining in 3/16", 80 000 psi steel.
<b>GOOSENECK</b>	12 1/4" high, 48" straight behind king pin.
<b>CROSSMEMBERS</b>	1 beams, 4" @ 3.64 lbs/ft, 80 000 psi steel. 16" center to center in gooseneck and the remaining 12" c/c.
<b>FLOOR</b>	Apitong or equivalent, 1 1/8" thick shiplap finished, no preservative.
<b>FLOOR FASTENING</b>	Two screws per board at each crossmember.
<b>SIDE RAILS</b>	6" channel @ 8.2 lbs/ft.
<b>SIDE BOXES</b>	3/16" steel plate, 1 5/8" x 3 5/8" interior, 4" high. (USA Dimensions).
<b>RUB RAILS</b>	3/8" x 2 1/2" shaped steel.
<b>CORNERS</b>	Bevelled.
<b>FENDERS</b>	Over tires at rear, checker plate 1/8".
<b>DIAGONAL BRACES</b>	2" x 2" x 3/16" angles, welded in web and to a crossmember, located each side.
<b>LOCKS</b>	Air operated with a third glad hand at front.
<b>ROLLERS</b>	4, 2 on female sections of frames and 2 on male sections.
<b>SPACERS FOR RUB RAILS</b>	Double between side boxes.
<b>ENDS</b>	
<b>FRONT RAIL</b>	9 gauge formed steel.
<b>BUMPER</b>	CMVSS 223-RIG approved (in accordance with Canada & USA regulations). Uprights integrated with frames, 4" x 4" cross bar roll formed tubing at a maximum height of 22" from under tubing to ground. Pull plates between uprights of bumper.
<b>PULL PLATE</b>	
<b>POCKETS</b>	2 bolted galvanised pockets at front for removable headboard.
<b>REAR RAIL</b>	Steel.
<b>BUMPER</b>	Bracing for a *** flip-up *** axle. (1) rubber dock at top front. *** Anchors even with sill ***



ITEM	DESCRIPTION
*** Customer must approve bumper drawing ***	
<b>ELECTRICAL</b> <b>FRONT CONNECTOR</b> <b>ELECTRICAL SYSTEM</b> <b>MAIN SYSTEM</b>  <b>TURN SIGNAL</b>	7 way (SAE J560), Phillips brand. Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108. 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. Sealed beams LED, one lamp including side marker and flasher, each side at middle point, amber.
<b>LANDING GEAR</b> <b>SAND SHOES</b> <b>CRANK</b>	Holland, Mark V (LGH-4F010), heavy duty, with mounting plate. 18" x 18" galvanized, solid axles. Road side.
<b>BOGIE</b> <b>BASIC SUSPENSION</b> <b>BOGIE</b> <b>SUSPENSION</b>  <b>LIFT DEVICE</b>   <b>U-BOLTS</b> <b>SPRINGS</b> <b>AXLE(S)</b> <b>SPIDERS</b> <b>CAM SHAFTS</b> <b>TRACK</b> <b>DUST SHIELDS</b> <b>BRAKES</b> <b>BEARINGS</b> <b>SLACK ADJUSTERS</b> <b>SEALS</b> <b>BRAKE CHAMBERS</b>  <b>HUBS AND DRUMS</b>   <b>RIMS</b>  <b>TIRES</b>	Fixed. Hendrickson HT-250US (6.5), tandem, 60" spread. *** Axles located @ rear to accomodate future 4th axle *** Hendrickson HT-250US (6.5) with Manac center lift. Located at 60" c/c behind the tandem. *** Controlled manually *** *** Only 1 1/2" of clearance from the ground if used at rear *** *** NO WARRANTY ON THE TIRES NOR GROUND AXLES, (FLAT SPOT) *** With nuts at bottom. Air. Hendrickson, HP-S506, 27 000 lbs. capacity. Welded. 28 splines. 77 1/2". None. 16 1/2" standard, H26 extended life lining. HM 518445. Meritor, automatic, 28 splines (6"). Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90. T.S.E. brake, "Omnibrake" (30-30), long stroke. (4 year warranty on parts only) WEBB, 10 studs disc hubs, balanced drums 117 lbs, outboard mount, 285.75mm B.C., single flange nuts. For dual steel wheels. (Heavy duty 25000 lbs cap.) 22.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts, 2 hand holes. Continental, 275/70 R 22.5 HSR2 SA                      18 ply                      (38.0")
<b>AIR SYSTEM</b> <b>GLAD HANDS</b> <b>AIR VALVES</b> <b>VALVE(S)</b> <b>VALVE</b>	Fixed. Meritor Wabco, ABS, 2 sensors 1 modulator. Fast-brake kit. Quick and brake release valves on air lift.



ITEM	DESCRIPTION
<b>VALVE</b>  <b>CONTROL BOX</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. *** Stainless steel ***
<b>ACCESSORIES</b> <b>REGISTRATION HOLDER</b> <b>MUD FLAPS</b> <b>EXTRA MUD FLAPS</b>	One plastic, Betts-PS-1 or equivalent. One set, rubber with Manac logo and vertical grooves to reduce spray. Qty: 2, rubber. Located: 1 at front of landing gear in between main frames, to protect roller and 1 at front of suspension in between main frames, to protect air boosters.
<b>FINISHING</b> <b>PAINT</b>  <b>HUBS</b>  <b>WHEELS OR RIMS</b> <b>RETROREFLECTIVE TAPES</b>  <b>PAINTED AXLES</b>  <b>RIMS</b>	Shot blasted, one coat of epoxy primer and two polyurethane acrylic top coats Color: RED code: RAL 2030 AKA PANTONE485C N.B.: Not applicable for white paint. Same color as trailer. Color: red, code: PPG AU37-FP750. White. Conspicuity striping in compliance with CMVSS 108. Gray and red, each side, fully covers rear sill and horizontal underride protection bar. Same color as trailer. Color: red, code: PPG AU37-FP750. Color: Yellow, powder top coat, code: RAL 1018 AKA PANTONE 123C painted by PN Industries.
<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. Equipment availability, prices and specifications are subject to change without notice.