

# HALE

## TRAILER

### BRAKE & WHEEL

A036280-A036285  
VIN: S035018-S035023



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ITEM	DESCRIPTION
<b>TYPE</b>	SEMI-TRAILER, TELESCOPIC STEEL DROP PLATFORM.
<b>DIMENSIONS</b>	*** Trailer rated 100 000 LBS fully open, self-supporting load . Trailer needs to be loaded properly per engineering ***
<b>LENGTH</b>	53'-0" closed.
<b>LENGTH</b>	71'-0" opened. *** (78" overlap) ***
<b>OPENINGS</b>	5'-0" increments in closed position.
<b>WIDTH</b>	102", 97" between side rails.
<b>HEIGHT</b>	Floor, approximately 62 1/2" high at front and 41 1/2" at the bumper.
<b>DROP HEIGHT</b>	22", located at *** 11'-6" *** from front.
<b>COUPLING</b>	
<b>COUPLER PLATE</b>	*** HD,Coupler rating 46 000 LBS. Must respect the provided loading model. COUPLER PLATE 1/2" *** 100 000 psi *** steel, Stiffener 5/16 thk 80K *** KING PIN, Bolted, 2" diameter, Holland KP-0883 (1/2"). *** Note: It's the customer responsibility to validate proper truck bearing load rating, it may be impossible to transfer this load to the truck.
<b>KING PIN LOCATION</b>	18" from front.
<b>COUPLER HEIGHT</b>	50".
<b>STRUCTURE</b>	Frame with "CAMBER".
<b>FLANGES</b>	Female section, exterior, 1/2" x 6", 100 000 psi steel, 24" high. *** minimum of 78" overlap ***
<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", 80 000 psi full length. both parts.
<b>GOOSENECK</b>	12 1/4" high, with 54" straight behind king pin.
<b>CROSSMEMBERS</b>	I beams, 4" @ 3.64 lbs/ft, 80 000 psi steel, galvanized. Bolted, 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. (With galvanized flatbed or crossmembers)
<b>SIDE RAILS</b>	Galvanized 10 gauge shaped 80 000 psi steel, 5" width x 5 11/16" high. 3/16" steel plate, 1 5/8" x 3 5/8" interior, 4" high, (USA Dimensions). Galvanized front and rear bolted sills.
<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 1/4".
<b>DIAGONAL BRACES</b>	2" x 2" x 3/16" angles, ** bolted ** 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>	Formed steel 1/4".
<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



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<b>POCKETS</b> <b>REAR RAIL</b> <b>BUMPER</b>	a maximum height of 22" from under tubing to ground. 2 bolted galvanised pockets at front for removable headboard. Steel Bracing for a *** flip up axle *** and (1) rubber dock at top front. Same as U#236104.
<b>ELECTRICAL</b> <b>FRONT CONNECTOR</b> <b>ELECTRICAL SYSTEM</b> <b>MAIN SYSTEM</b>  <b>TURN SIGNAL</b>  <b>REAR CONNECTOR</b> <b>REAR ADD. CONNECTOR</b> <b>STROBE LIGHTS</b>  <b>TAIL LIGHTS</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. 7 way, pin axle 4 way. Sealed beams (Grote LED #77353 strobe) amber. Qty: (1) each side. toggle switch installed: REAR Sealed beams (Grote DEL #54332) red. Qty: 1 additional each side. From outside, tail lights and flasher, flasher with parking, brake with parking.
<b>LANDING GEAR</b> <b>SAND SHOES</b> <b>CRANK</b>	Holland, Mark V (LGH-4F010), heavy duty, with mounting plate, full galvanized 18" x 18" galvanized. 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>	Fixed. Last axle 36" from rear. Hendrickson HT-250US (6.5), tandem, 60" spread. Hendrickson HT-250US (6.5) with Manac center lift. Located at 60" rear of 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 (Hendrickson axles). 16 1/2" standard, long life H26-HXS Hendrickson lining. HM 518445. Meritor, automatic, 28 splines.6". Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90. T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"), long stroke. (4 years warranty by T.S.E. for parts only). WEBB, 10 studs disc hubs, balanced drums 117 lbs, outboard mount, 285.75mm B.C., single flange nuts.



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<b>RIMS</b>  <b>SPACERS</b>  <b>TIRES</b>	For dual aluminum wheels. (Heavy duty 25000 lbs cap.) (Bearings HP). Alcoa, aluminum, half "ULTRA ONE vHub" and half steel. 22.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts. Wheel 10 holes. Located between the inside wheel and the drum and between two wheels. Continental, 275/70 R 22.5 HSR2 SA            18 ply    (38.0") *** GAWR 25,000 LBS for 119,000 LBS GVWR ***
<b>AIR SYSTEM</b> <b>GLAD HANDS</b> <b>AIR VALVES</b> <b>VALVE(S)</b> <b>VALVE</b>  <b>CONTROL BOX</b> <b>R</b>	aluminum air tank. Fixed, filter on the third glad hand at front. Meritor Wabco, IABS, 2 sensors 1 modulator. Fast-brake kit. 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. Quick and brake release valves on air lift. Stainless steel Air system for a pin on axle.
<b>ACCESSORIES</b> <b>REGISTRATION HOLDER</b> <b>WINCHES</b> <b>SLIDING TRACK</b> <b>MUD FLAPS</b> <b>EXTRA MUD FLAPS</b>	One plastic, Betts-PS-1 or equivalent. Qty: 12, ANCRA #49207-137-XZ, zinc plated slider (5 7/8"). Full length, "LL" extruded aluminum, road side. 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 the hoses coil, and 1 at front of suspension in between main frames, to protect air boosters.
<b>FINISHING</b> <b>PAINT</b> <b>AXLE(S) PAINTED</b> <b>HUBS</b> <b>WHEELS OR RIMS</b> <b>RETROREFLECTIVE TAPES</b>  <b>SERIAL PLATE</b>  <b>GALVANIZATION EXTRA PARTS</b>	Galvanized plateform. (no paint) Color: Grey, code: PPG Q37-939514 Color: Grey, code: PPG Q37-939514 Natural. Conspicuity striping in compliance with CMVSS 108. Gray and red, each side, fully covers rear sill and horizontal underride protection bar. V.I.N. plate to be stick on an aluminum plate riveted on the frame. (it doesn't stick on galvanized steel) Extra parts galvanized.
<b>ADDITIONAL OPTIONS</b>  <b>R</b>	Same as U#236104 except add aluminum air tank. estimated empty weight is 21,244 LBS +/- 3% *** Units coupled with U#232313-14. Use the gabarit made on U#215306 *** GB0256 GB0257 Please note that Manac reserves the right, upon reasonable notice and prior to the delivery date, to adjust the quoted prices of this contract which



ITEM	DESCRIPTION
R	<p>are impacted by an increase in the cost of raw materials or components, or by any increase in tariffs and any addition or increase in direct or indirect taxes. The contracts price so adjusted by Manac will bind the parties.</p> <p>NOTE: The only loading pattern which is allowed for 100 000 LBS FULLY OPEN SELF-SUPPORTING LOAD IS: Tridem drive tractor with 55 ft load (GC at 27.5 ft) if flip axle is not used. Any other loading pattern generates an overload on mechanical components on the trailer or on tractor drive.</p>

CONFORMITY	<p>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.</p>
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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.