HALE TRAILER BRAKE & WHEEL

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A038876-A038878
VIN: S037567-S037569

manac

ITEM	DESCRIPTION
TYPE	SEMI-TRAILER, TELESCOPIC STEEL DROP PLATFORM. **259320(00)**
DIMENSIONS	*** Trailer rated 100 LBS fully open, self-supporting load. Trailer needs to be properly loaded per engineering. ***
LENGTH	53'-0" closed.
LENGTH	71'-0" opened. *** 78" overlap ***
OPENINGS	5'-0" increments in closed position.
WIDTH	102", 97" between side rails.
HEIGHT	Floor, approximately 62 1/2" high at front and 41 1/2" at the bumper.
DROP HEIGHT	22", located at *** 11'-6" *** from front.
COUPLING	
COUPLER PLATE	*** 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 responsability to validate proper truck bearing load rating, it may be impossible to transfer this load to the truck.
KING PIN LOCATION	18" from front.
COUPLER HEIGHT	50".
STRUCTURE	Frame with "CAMBER".
FLANGES	Female section, exterior, 1/2" x 6", 100 000 psi steel, 24" high. *** minimum of 78" overlap ***
FLANGES	Male section (interior), 3/4" x 6", 60 000 psi steel, 17 5/8" high and *16 1/2" above suspension.
WEB	1/4", 80 000 psi full length. For drop extendable. (both parts)
GOOSENECK	12 1/4" high, with 54" straight behind king pin.
CROSSMEMBERS	I beams, 4" @ 3.64 lbs/ft, 80 000 psi steel. 16" center to center in gooseneck and the remaining 12" c/c.
FLOOR	Apitong 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. (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, welded in web and to a 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	Formed steel 1/4".
BUMPER	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.
POCKETS	2 bolted galvanised pockets at front for removable headboard.
REAR RAIL	Steel.

ITEM	DESCRIPTION
BUMPER	Bracing for a *** flip up axle *** and (1) rubber dock at top front. same as U#236100.
ELECTRICAL	
FRONT CONNECTOR	7 way (SAE J560), Phillips brand.
ELECTRICAL SYSTEM	Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108.
MAIN SYSTEM	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.
TURN SIGNAL	Sealed beams LED, one lamp including side marker and flasher, each side at middle point, amber.
REAR CONNECTOR	7 ways, SAE J560, for a pin on axle.
REAR ADD. CONNECTOR	4 way.
STROBE LIGHTS	Sealed beams (Grote LED #77353 strobe) amber. Qty: (1) each side. toggle switch installed: REAR
TAIL LIGHTS	Sealed beams (Grote DEL #54332) red. Qty: 1 additionnal each side. From outside, tail lights and flasher, flasher with parking, brake with parking.
LANDING GEAR	Holland, Mark V (LGH-4F010), heavy duty, with mounting plate, full galvanized
SAND SHOES	18" x 18". Galvanized, solid axles.
CRANK	Road side.
BOGIE	
BASIC SUSPENSION	
BOGIE	Fixed.
SUSPENSION	Hendrickson HT-250US (6.5), tandem, 60" spread.
LIFT DEVICE	Hendrickson HT-250US (6.5) with Manac center lift. Located at 60" rear of tandem. Controled manually. *** Only 1 1/2" of clearance from the ground if used at rear. *** *** NO WARRANTY ON THE TIRES NOR GROUND AXLES, (FLAT SPOT) ***
U-BOLTS	With nuts at bottom.
SPRINGS	Air.
AXLE(S)	Hendrickson, HP-S506, 27 000 lbs. capacity.
SPIDERS	Welded.
CAM SHAFTS	28 splines.
TRACK	77 1/2".
DUST SHIELDS	None (Hendrickson axles).
BRAKES	16 1/2" standard, long life H26-HXS Hendrickson lining.
BEARINGS	HM518445
SLACK ADJUSTERS	Meritor, automatic, 28 splines. 6"
SEALS	Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90.
BRAKE CHAMBERS	T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"), long stroke. (4 years warranty by T.S.E. for parts only).
HUBS AND DRUMS	WEBB, 10 studs disc hubs, balanced drums 117 lbs, outboard mount, 285.75mm B.C., single flange nuts. For dual aluminum wheels. (Heavy duty 25000 lbs cap.) (Bearings HP).
RIMS	Alcoa, aluminum, half "ULTRA ONE vHub" and half steel.

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	22.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts.
SPACERS	Wheel guard 10 holes. Located between the inside wheel and the drum and between two wheels.
TIRES	Continental, 275/70 R 22.5 HSR2 SA 18 ply (38.0") ** GAWR 25000 LBS needed for 119,001 GVWR ***
AIR SYSTEM	Aluminum air tanks.
GLAD HANDS	Fixed, filter on the third glad hand at front.
AIR VALVES	Meritor Wabco, IABS, 2 sensors 1 modulator.
VALVE(S)	Fast-brake kit.
VALVE	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.
CONTROL BOX	Stainless steel air system for pin on axle.
ACCESSORIES	
REGISTRATION HOLDER	One plastic, Betts-PS-1 or equivalent.
WINCHES	Qty: 12, ANCRA #49207-137-XZ, zinc plated slider (5 7/8").
SLIDING TRACK	Full length, "LL" extruded aluminum, road side.
MUD FLAPS	One set, rubber with Manac logo and vertical grooves to reduce spray.
EXTRA MUD FLAPS	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.
FINISHING	
PAINT	Shot blasted, one coat of ZINC primer and two polyurethane acrylic top coats Color: black, code: PPG AU37-FP908.
PAINT	**Zinc** primer instead of epoxy primer.
AXLE(S) PAINTED	Color: black, code: PPG AU37-FP908.
HUBS	Color: black, code: PPG AU37-FP908.
WHEELS OR RIMS	White.
RETROREFLECTIVE TAPES	Conspicuity striping in compliance with CMVSS 108. Gray and red, each side, fully covers rear sill and horizontal underride protection bar.
ADDITIONAL OPTIONS	same as U#241356 *** GAWR 25000 LBS needed for 119001 GVWR*** Estimated weight is 19,683 LBS +/- 3%
R	*** Units coupled with U#232313-14. Use the gabarit made on U#215306 *** 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.
CONFORMITY	This semi-trailer does not comply with GHG regulations. Should GHG regulations come into force prior to the production of the trailer(s),

ITEM	DESCRIPTION
	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.