HALE TRAILER BRAKE & WHEEL

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A038851-A038862
VIN: S037543-S037554

manac

ITEM	DESCRIPTION
TYPE	SEMI-TRAILER, TELESCOPIC STEEL DROP PLATFORM. **259318(01)**
DIMENSIONS	*** Trailer rated 100 000 LBS fully open, self-supporting load . Trailer needs to be loaded properly 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. 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, galvanized. Bolted, 12" c/c.
FLOOR	Apitong or equivalent, 1 1/8" thick shiplap finished, no preservative.
FLOOR FASTENING	Two screws per board at each crossmember. (With galvanized flatbed or crossmembers)
SIDE RAILS	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.
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 1/4".
DIAGONAL BRACES	2" x 2" x 3/16" angles, ** bolted ** 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.
SPACERS FOR RUB RAILS	Double between side boxes.
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

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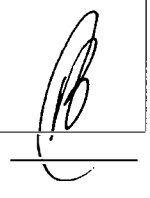
	a maximum height of 22" from under tubing to ground.
POCKETS	2 bolted galvanised pockets at front for removable headboard.
REAR RAIL	Steel
BUMPER	Bracing for a *** flip up axle *** and (1) rubber dock at top front. Same as U#236104.
ELECTRICAL	
FRONT CONNECTOR	7 way (SAE J560), Phillips brand.
ELECTRICAL 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 way, pin 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.
CRANK	Road side.
BOGIE	
BASIC SUSPENSION	
BOGIE	Fixed. Last axle 36" from rear.
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. 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) ***
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	HM 518445.
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.



ITEM	DESCRIPTION
	For dual aluminum wheels. (Heavy duty 25000 lbs cap.) (Bearings HP).
RIMS	Alcoa, aluminum, half "ULTRA ONE vHub" and half steel. 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 25,000 LBS for 119,000 LBS GVWR ***
AIR SYSTEM	aluminum air tank.
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
R	Air system for a 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	Galvanized plateform. (no paint)
AXLE(S) PAINTED	Color: Grey, code: PPG Q37-939514
HUBS	Color: Grey, code: PPG Q37-939514
WHEELS OR RIMS	Natural.
RETROREFLECTIVE TAPES	Conspicuity striping in compliance with CMVSS 108. Gray and red, each side, fully covers rear sill and horizontal underride protection bar.
SERIAL PLATE	V.I.N. plate to be stick on an aluminum plate riveted on the frame. (it doesn't stick on galvanized steel)
GALVANIZATION EXTRA PARTS	Extra parts galvanized.
ADDITIONAL OPTIONS	Same as U#239099. estimated empty weight is 21,244 LBS +/- 3% *** Units coupled with U#232313-14. Use the gabarit made on U#215306 *** GB0256 GB0257
R	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

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	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.
R	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), 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.