

# HALE

## TRAILER

### BRAKE & WHEEL

A035925

VIN: 200776



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ITEM	DESCRIPTION
<b>TYPE</b>	SEMI-TRAILER, "DARKWING II" ALUMINUM DROP PLATFORM
<b>DIMENSIONS</b>	
<b>LENGTH</b>	53'-0"
<b>WIDTH</b>	102", 97" between side rails.
<b>HEIGHT</b>	Floor, approximately 59" high at front and 41" at the bumper.
<b>DROP HEIGHT</b>	20", located at 10'-6" from front.
<b>COUPLING</b>	
<b>COUPLER PLATE</b>	1/4", galvanised (G164) 80 000 psi steel, plug welded structure.
<b>KING PIN LOCATION</b>	18" from front.
<b>COUPLER HEIGHT</b>	48".
<b>STRUCTURE</b>	42" center to center Frame with "CAMBER".
<b>FLANGES</b>	3/8" x 5" , 100 000 psi steel in gooseneck and the remaining. Top, "T" shaped aluminum extrusion (6061-T6), with 2 Cargo Rail integrated by flange. Bottom, aluminum extrusion (6061-T6) 4" x 1 1/2".
<b>WEB</b>	3/16" plate in king pin area, 80 000 psi steel and the remaining. 1/4" plate, polished aluminum (5454-H34), riveted at 3" c/c, 24 3/4" high including flanges.
<b>GOOSENECK</b>	11 1/4" high, 48" straight behind king pin, galvanized steel (G164).
<b>CROSSMEMBERS</b>	4" high extruded aluminum I beams, 16" c/c in gooseneck and the remaining 12" c/c. One additional crossmember at rear bumper.
<b>FLOOR</b>	Structural aluminum extrusions, flat type, inverted "T", 1 1/4" high with 3 Apitong or equivalent planks.
<b>FLOOR FASTENING</b>	Bolts with nuts on top flanges, screws on crossmembers, 2 rivets per Apitong plank at each crossmember.
<b>SIDE RAILS</b>	3 3/4" x 5 13/16" high, extruded aluminum, Cargo Rail integrated.
<b>SIDE BOXES</b>	3 5/8" x 1 5/8" inside, 4" high, extruded aluminum. CMVSS-905 WLL, 5,500 lbs WLL approved.
<b>RUB RAILS</b>	Aluminum extrusions 3/8" x 2 3/4". Dual rub rail spacers 1" x 1 3/4" as anchor.
<b>CORNERS</b>	Bevelled.
<b>FENDERS</b>	Reinforcement over tires at rear, floor full length.
<b>KNEE BRACES</b>	1/4" formed aluminum plates, bolted in web and a crossmember, located each side.
<b>BRACING FOR COILS</b>	Qty:1 kit for a 60 000 lbs maximun coil. Made of 6 aluminum crossmembers "I" beams additional between main beams and crossmembers. Located: CENTERED
<b>ENDS</b>	
<b>FRONT RAIL</b>	Bolted aluminum extrusion, 7" high, overlapped floor to allow floor plank to walk underneath.
<b>BUMPER</b>	CMVSS 223-RIG approved (in accordance with Canada & USA regulations). Aluminum, bolted uprights to frame, cross bar tubing 4" x 3/16" at a maximum height of 22" from under tubing to ground.
<b>BUMPER</b>	Aluminum plate with "DARKWING" logo on RED back plate,



ITEM	DESCRIPTION
<b>BUMPER</b> <b>REAR RAIL</b>	bolted between bumper uprights to close rear. 2 heavy duty rubber dock at the end of rear rail. Aluminum extrusion, 6 1/2 high, 16000 lbs lift truck proof, including 3 boxes integrated.
<b>ELECTRICAL</b> <b>FRONT CONNECTOR</b> <b>ELECTRICAL SYSTEM</b> <b>MAIN SYSTEM</b>  <b>FLASHERS</b>	7 way (SAE J560), Phillips brand. Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108. Grote Ultra Blue LED clear lens, sealed beams with stainless steel rings and anti-theft system, 10 diodes tail lights, markers lights Micronova, identification lights 2 1/2" dia., licence light. Sealed beams LED clear lens, one lamp including side marker and flasher, each side at middle point, amber.
<b>LANDING GEAR</b> <b>SAND SHOES</b> <b>CRANK</b> <b>SPAN</b>	Holland, Mark V (LGS-4F115), with mounting plate. 10" x 11 1/2" Road side. Galvanized steel (G164)
<b>BOGIE</b> <b>BASIC MECHANICAL</b> <b>BOGIE</b>	Basic mechanical for sales book. Fixed front suspension and slider bogie at rear painted Z frame structure, 6.5" R.H., with "UHMV" slider plastic pads, 4 retainers and 4 pneumatic locking pins, tandem 54", 65" and 122" spread.
<b>MECHANICAL (GROUND AXLES)</b> <b>SUSPENSION</b>  <b>SPRINGS</b> <b>AXLE(S)</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>SPACERS</b>  <b>TIRES</b>	Hendrickson INTRAAX AANL-23K (6.5), tandem. N.B.: Winged suspension bracket. For axles with bearings HM 218248 and HM 212049. Air. LDA, 5 3/4" diameter, 23 000 lbs. capacity. 28 splines with enclosures, 10" long. 77 1/2". None (Intraax axles). 16 1/2" standard, long life H20-HXS Hendrickson lining. HM 218248 and HM 212049. Meritor, automatic, 28 splines. Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90. T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"). (4 years warranty by T.S.E. for parts only). 10 stud disc hubs, balanced drums outboard mount, 285.75mm B.C., single flange nuts. For dual aluminum wheels. Alcoa, aluminum, "LvL ONE" finish, 22.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts. Wheel guard 10 holes. Located between the inside wheel and the drum. General, 255/70 R 22.5 HT                      16 ply    (36.6")



ITEM	DESCRIPTION
<b>AIR SYSTEM</b>	
<b>GLAD HANDS</b>	Fixed.
<b>AIR VALVES</b>	Rockwell Wabco, ABS, 2 sensors 1 modulator.
<b>VALVE(S)</b>	Automatic blow down valve, WITHOUT control box,
<b>VALVE(S)</b>	Fast-brake kit.
<b>ACCESSORIES</b>	
<b>REGISTRATION HOLDER</b>	One plastic, Betts-PS-1 or equivalent.
<b>MUD FLAPS</b>	One set, rubber with Manac logo and vertical grooves to reduce spray.
<b>SLIDING TRACK</b>	Full length, "LL" extruded aluminum, road side.
<b>WINCHES</b>	Qty: 12, KINEDYNE #1020ZP, zinc plated slider (low profil 5 7/8").
<b>STORAGE BOX(ES)</b>	Qty: 1 , smooth aluminum box, double doors, hinges on sides,
	"T" handle lock style.
	*** 18" deep x 18" high x 60" wide. ***
	Located at FRONT OF SUSPENSION ROADSIDE
<b>FINISHING</b>	
<b>RETROREFLECTIVE TAPES</b>	Conspicuity striping in compliance with CMVSS 108. Gray and red each side,
	fully covers rear sill and horizontal underride protection bar.
<b>WHEELS OR RIMS</b>	Natural aluminum.
<b>ADDITIONAL OPTIONS</b>	****Vin plate to be made of metal. Pre-drill holes before gavanizing.*****
<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

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