

# HALE

## TRAILER

### BRAKE & WHEEL



**A030351-A030352**  
**VIN: 514403-514404**

#### SALES | RENTALS | PARTS | SERVICE

<b>Allentown, PA:</b>	<b>800-383-8894</b>	<b>Little Rock, AR:</b>	<b>833-424-8944</b>
<b>Baltimore, MD:</b>	<b>888-601-7500</b>	<b>Portland, ME:</b>	<b>800-325-4253</b>
<b>Concord, NC:</b>	<b>800-438-2250</b>	<b>Raleigh, NC:</b>	<b>833-418-9777</b>
<b>Delmar, DE:</b>	<b>866-486-1400</b>	<b>Scranton, PA:</b>	<b>800-569-1400</b>
<b>Des Moines, IA:</b>	<b>888-673-5011</b>	<b>Springfield, MA:</b>	<b>800-854-5306</b>
<b>Elkton, MD:</b>	<b>800-544-7127</b>	<b>Voorhees, NJ:</b>	<b>866-315-0235</b>
<b>Jacksonville, FL:</b>	<b>800-828-3055</b>	<b>Walpole, MA:</b>	<b>800-854-5310</b>

haletrailer.com | @haletrailer

**800-232-6535** \*FINANCING AVAILABLE

#### GVWR

GVWR:	Trailer to meet 68,000 Pound GVWR
* VIN PLATE:	Canadian/Transport Canada Compliant - VIN Plate to Read in English and French, Pounds and Kilograms
Product Type:	HT Thermotech-Truck Load w/Swing Door
Product Class:	HT Thermotech TL

#### GEOMETRY

Length - Exterior:	53'-0"	
* Length - Interior:	52#-2# Lining to Lining (SW)	
Width - Exterior:	102.36"	
* Width - Interior:	97.4" Nominal Lining to Lining	
Height - Exterior:	13'-6"	
* Height - Interior:	104.5"	Rev.C
Deck Height:	Standard application	
Fifth Wheel Height:	47"	
King Pin Location:	36"	
Landing Gear Location:	105" from King Pin (+ 1"/-1/4")	
Height - Interior Truck Body:	Specify Interior Height	Rev.B

#### TIRES & WHEELS

Tire Furnished:	Factory Furnished	
* Tire Manufacturer:	Hankook TL21(G), Low Rolling Resistance Tire	
Tire Size:	295/75R22.5	
Wheel Furnish:	Factory Furnished	
Wheel Material:	All Steel Wheel	
Wheel Manufacturer:	HT Standard (TCC 361)	
Wheel Size:	8.25 x 22.5, 5-Hand Hole (Steel, Inner & Outer)	
Wheel Finish for Steel:	Powder Coated White Steel Disc	
Tire Stem Valve Position:	Dual Wheel Steel / Aluminum / Combo (STD 180°outboard & straight inboard)	
Wheel Finish for Aluminum:	None (Due to All Steel Wheel Application)	
* Valve Stem & Cap:	TR-572 Valve Stem# 8900HALNC for use w/PSI; w/o Cap	Rev.C

#### UPPER COUPLER

Upper Coupler-Reefer:	4.00" deep, Floor Over Coupler and Running to Front, Bolting Type	
* Approach Plate:	5/16" thick 50,000 Lb Yield - 6 Support Channels	
* King Pin (BTM Main) Plate:	5/16" thick 50,000 Lb Yield	
King Pin & Manufacturer:	Standard (Jost) AAR Cruciform King Pin	
Front Bottom Rail:	Stainless Steel & Stainless Steel Wrap-Around Impact Guard Striker Angle	

#### BODY/BASE

* Forward Crossmember:	3" Steel Hat Shaped Members Upper Coupler to Landing Gear : 12" C/L (Nom.)	Rev.C
* Landing Gear Crossmember:	4" Steel I-Beams (80,000 PSI) : 9" C/L (6" On Forward Edge : 7ea)	
Bay Area Crossmember:	5.5" Extruded Aluminum I-Beams : 12" C/L	
Running Gear Crossmember:	4" Steel I-Beams (80,000 PSI) : 12" C/L with 8" C/L Last 4' (For Reefer Van only)	
Slider Body Rail (RV):	204" Rail Length	
Slider Rail Supplier:	Hutchens Slider Rails	
Slider Rail Duty:	Standard Duty	
Slider Rail Hole Space & Dia.:	4" increments holes with large diameter holes (Hutch & Binkley)	

* Tire Protect Plate:	Front-None / Rear-12 GA Galv steel x22"x156" long (Snap in Type)	Rev.C
* Tire Protect Install:	Rear Tandem Area at Both Side	Rev.C
Fuel Tank Location:	Prep. for future installation; Prepare with fuel line conduit thru landing gear, forward & UC	
* Fuel Tank Furnish:	Customer or Other install Thermoking Fuel Tank	
<b><u>FLOOR</u></b>		
Floor- Assembly Method:	Aluminum Floor Assembly with Weld (MIG). Seams to be Continuously / Uniformly Weld	
* Floor-Detail Spec. - RV:	1.34" Extruded Aluminum (6061-T6) NW Flat Floor	
Floor-Surface Spec. - RV:	Ridged Floor Surface with Safety Grip (Knurled)	
* Rear Gutter & Trough:	Flush w/ Top of Floor (Mig) & w/o Trough -> Floor Plank will be extended to rear gutter (FLAT & DIARY TYPE STD)	
Floor Ratings - RV:	18,000lb Rated Floor	
Floor Drain - RV:	(4) Drains w/ Kazoo	
Floor Filler Mat'l:	I-Filler (Ridge PVC)	
Floor Inserts -RV:	Extruded Aluminum (STD)	
<b><u>FRONT</u></b>		
Front Corner Radius:	6" Extruded Aluminum STD Duty Post (RV)	
Front Panel & Color - RV:	0.04" Aluminum Prepainted White w/ Aluminum Insert	
* Corner Radius Insert - RV:	0.035" Stainless Steel	
Front Posts:	(4) Posts - (2) 3.15" Deep Steel Hats / (2) AL "Z" Post	
Gladhands:	Phillips Qwik-E with Filters Control Line Only. Overlaid(Back open)+ aluminum plate	
Front Receptacle(7-Way):	Phillips 7-Way w/ 3" Deep, No Circuit Breaker (HT Reefer STD)	
Gladhand/7-Way Location:	Overlaid on Lower Roadside Front	
* Corner Radius Protector:	(2) 0.125" X 12" SMOOTH Alum Each Side at Top	
Reefer Unit Front Frame:	Brace for type "A" (Large Opening)	
<b><u>RV-VAN ITEM</u></b>		
* Reefer Unit Manufacturer:	Thermoking	
* Reefer Unit Type:	Multi-Temperature Type	
* Reefer Unit Spec.:	Thermoking Multi-Temp	
* Reefer Unit Furnish:	Prep only for future installation after delivery	Rev.D
* Reefer Unit Install:	Customer or Other Install. Cut & Seal Hatch w/ Plywood for Shipment	
* Reefer Commissioning:	Commission unit at Others	
* Evaporator Furnish:	Prep only for future installaiton	
* Evaporator-Configuration:	(1) Thermo King S6 (Full-Width, S3+ S3)	Rev.B
* Evap - Location by Side:	(1) Evaporator in Full Width	Rev.B
* 1st Evap - Location/Distance:	1st Evaporator: 540" from Front Interior wall to the C/L of the evaporator	Rev.C
* 1st Evap. - Air Blow Direction:	1st Evaporator blowing direction : Toward Front of Trailer	Rev.C
* Evap - Drain Configuration:	Evaporator to have (1) Drain on Roadside & (1) Drain on Curbside, drain tube cup in side wall to be recessed with flange mounted outside, over the lining and sealed around edges for moisture resistance into foam	Rev.B
* Evap- Trough Location:	Located on Roof	Rev.B
<b><u>SIDE</u></b>		
Side Material:	0.04" Aluminum Prepainted White w/ natural color rivets	
Side Posts:	1.0" Deep Extruded Aluminum "Z" Post (STD)	
Side Post Centers:	24" C/L with 12" C/L @ Upper Coupler and Support Gear	
Side Top Rail:	Standard Side Top Rail for Thermotech	
Side Bottom Rail:	Side Bottom Rail for Reefer 5.5" High Bay Crossmember - TL Thermotech	
* Side Rub Rail:	(2) Alum Exterior Rub Rail (E15-032 One 1-1/8" Tear Drip) on Each Side-Total 4. No Higher than 6" above Bottom Rail & just below Side Top Rail	Rev.B
Fasteners to Bottom Rail:	Standard Rivets to attach C/Members to the Side Bottom Rail	
<b><u>REAR</u></b>		
Rear Frame:	Swing Door Reefer Rear Frame (w/1 Lock Rod per LH & RH Door)	
Rear Door Opening Spec.:	Swing Door - HT Standard Reefer Door Opening Application (97.2" Width).	
Corner Post Feature:	Standard	

Door Sill Level (RV):	Door to Flush with Floor (HT STD)
Door Sill Feature:	Standard
Door Header Feature:	Standard
Door Type (RV):	Swing Door w/ Aluminum Frame & (1) Rubber Door Bumper on Each Door (HT Standard)
* Door-Outer Cover (RV):	Swing Door-Stainless Steel Outer Cover Sheet w/ Diamond(Quilted) Pattern
Door-Inner Lining (RV):	Swing Door-PP050 (0.043") Polar X
* Door Scuff:	Install 0.125" Smooth Aluminum x 16" high rear door scuff
Option - Door Install Instruct (RV):	Standard Door Installation Per Manufacturer's Recommendation
Option - Door Hold Back (RV):	Standard for Swing Door
Hinges:	Four (4) Aluminum Hinges per Door
* Additional Hinge Option:	Additional One(1) Aluminum Hinge (Total 5 Per Door)
Rear Underride Guard:	4" Tube Bolt on Assembly w/ Welded Perforated(Poached) Horizontal. Rear Impact Guard (RIG30-NEW)
Option - Horiz Member/Other:	One piece roll formed w/continuous welding
Underide Bolt Spec.:	Stainless steel bolts & nuts - Optional
* Dock Bumper:	Pair 3" X 6" Mold Bolted Bumper
* Rubber Bumper Location:	Outboard of Light As Close to Edge As Possible

#### **LIFT GATE**

#### **ROOF**

* Roof Panel:	0.032" One Piece Corrugated Aluminum
Roof Bow:	1" Extruded Aluminum
* Roof Bow Centers:	24" Centers Full Length

#### **LINING/SCUFF**

Side Lining - Reefer:	Polar X Pp050 0.043"
Front Lining - Reefer:	Polar X PP050 0.043"
Roof Lining - Reefer:	Polar X PP050 0.043"
Sub-Floor:	Polar X Pp030 0.023"
Side Scuff Mt'g Method:	Recessed (STD)
* Side Scuff for Reefer:	16" High Extruded Aluminum
* Logistic Track for Reefer:	(2) Row of "E" Track, Galvanized, Both Side
* Logistic Track Mt'g Method:	Overlaid (Horizontal)
* Logistic Track Locate:	Located at 30" & 60" Floor to Centerline of Track

#### **URETHANE INSULATION**

Front Insulation:	Front Insulation - 4" Polyurethane
Side Insulation:	Side Insulation - 2" Polyurethane
* Roof Insulation:	Roof Insulation - 3" Polyurethane
* Floor Insulation:	Floor Insulation - 2" Polyurethane
Door Insulation:	Swing Door-Insulation - 3" Polyurethane

#### **LANDING GEAR**

L/Gear Spec.:	Jost HT421.G3.17.157 5 Year Warranty Full HDG
L/Gear Mt'g Method:	Inboard Mounting (Standard)
L/Gear Shoes:	10" X 10" RCF (Removable Cushion Foot) Low Profile
L/Gear Ground Clearance:	Nom. 12" Ground Clearance
L/Gear Mt'g Bracket:	Hot Dip Galvanized Large Wing Plate
L/Gear Crank Handle:	Roadside
L/Gear Options:	None (HT STD)
L/Gear Cross Brace Design:	HT Standard Cross Brace attachment Design

#### **RUNNING GEAR**

Bogie Type:	Sliding Tandem(2) Axle Bogie
Axle Spacing:	49" Axle Spacing
Axle ABS System:	Tandem Axle w/2S1M ABS System
Bogie & Axle Location:	Location to be Sliding Tandem Axle for specified slider Length w/Stop Bars @ Front & Rear

Option-Related Bogie Stopper Feature: STD plug stopper

Susp. Manufacturer: Hendrickson

Suspension Capacity: Standard Duty

Hendrickson Susp. Specification: Hendrickson Vantraxx HKANT40K Air Ride

Surelok (Anti-Dock): Surelok (Anti-Dock) Installed

Locking Pin Mechanism: Air-Assist Pin Puller or Quik Draw

Susp. Sub-Frame: Hendrickson K-2 STD Duty (Vantraxx, Intraxx)

Type of Susp Spring: Air Bag

Spring Specification: Air Bag

\* Axle Diameter: 5.75"

Axle Supplier: Hendrickson

Axle-General Spec.: Axle - Tandem (2) Axle included in Suspension (For 2S1M or 2S2M System)

Axle-Track Length: 77-1/2"

\* Axle-Spindle Type: Parallel Spindle

Brake Lining Size: 16.5" X 7" Drum Brakes

Brake Lining Spec.: Hendrickson Extended Service H20

\* Brake Control System: 2S/1M Wabco iABS

Spring Brake Control: Sealco 110500 Springbrake Priority

Brake Cont-Hose & etc.: Standard Air Line & Hose Application (US&Canada)

\* Slack Adjuster Spec.: Wabco Auto-5.5", 28 Spline EasyFit (No Grease)

\* Brake Chamber Spec.: Wabco Premium Chamber

\* Stroke Length: 3" Long Stroke Length

\* Hub Specification: Conmet 10 Stud Hub Piloted Outboard Iron Hub with Casting 10083939, Parallel Spindle

\* Drum Specification: Conmet Cast Drum

Hub/Drum-Opt(Nut&Other): Standard

Bearing Specification: Stemco

Lubrication Spec.: Chev Delo Gear EP5 80-90 oil

\* Wheel Seals Spec.: Stemco Discover Seals, Hub Cap included in tire inflation system, Pro-Torq Nut

\* Tire Inflation Spec.: Hendrickson Tire Maax Inflation System for Undressed Axle (This kit include  
Hendrickson Hub Cap for TireMaax)

Tire Inflation Pressure: 100 PSI

\* Tire Inflation Lamp Location: Indicator PSI Light at Roadside Mounted at 24.6" from bottom of front panel over  
corner radius. (STD location)

\* Tire Inflation Lamp Spec.: 33 Series Lamp

\* Axle Configuration: Axle included in Suspension

---

#### **ELECTRICAL**

\* Harness-General Spec.: Molded Color Code Grote Harness Oval molds with front terminal rings

Harness-Special Feature: Manufacturer's Standard Feature

\* Front Light: (4) Trucklite 33275Y LED PC Rated Mounted with Grommet (2-Front & 2-Side)

\* Rear ID Header Light: (5) Trucklite 33275R LED (Cluster of 3 & 1 Each Outboard)

Rear Side Marker Type(Shape): Mini Button Style Lamp with Antitheft Bracket

\* Rear Side Marker Detail Spec: (2) Trucklite 33275R LED PC Rated Flush w/ Grommet 33725 w/ anti-theft hardware

Rear Side Marker MT'G Location: Mounted on Standard Location on Rear Corner Post - HT STD

\* S/T/Tail Light-Quantity & Type: (6) Trucklite 40 or 44 Series (Round Style) or Equivalent

\* S/T/Tail Light-Detail Spec: (6) Trucklite 44334R LED Mounted w/ SUS Base Rings Anti Theft

Main Mid-Turn Light: Install the Mid turn lamp

Mid-Turn Mounting Method: Mounting Bracket

\* Main Mid-Turn Light-Detail Spec: (2) Trucklite 60420Y LED Flange Mounted with Stainless Steel Rivets

\* ABS Light Detail Spec: (1) Trucklite 33275Y LED PC Rated w/ Grommet 33725 w/ anti-theft hardware

ABS Light MT'G Location: Mounted on Standard Location on Rear Corner Post - HT STD

\* License Light: (1) Trucklite 33210C LED with 33815 Anti-Theft Flange

\* Option Related Lamps/Harness: Additional Trucklite 33 LED series Marker Lights. (3) Each Side Top Rail & (2) Each  
Side Bottom Rail Top and Bottom rail lights to match up (Center Combination to match  
up with center top rail lamp)

**Comment:** Top and Bottom rail lights to match up (Center Combination to match up with center

	top rail lamp)
Electrical Related Regulation:	Standard Application
* Roof Dome Lamp Gen Spec.:	Install Phillips LED Dome Lights
* Roof Dome Lamp Detail Spec:	Phillips 51-HY26644 Rectangular Led Motion Sensor Domelights
* Roof Dome Lamp Quantity:	Install (3) Three
* Roof Dome Lamp Mt'g Method:	Flush Mount Down with Recessed Housing
* Roof Dome Lamp Location:	Evenly Spaced at C/L of Ceiling for Swing Doors
* Interior lights-Special Instruction:	Black Circuit: Power from Clearance, Side marker & ID Lamps

Rev.C

#### **MARKING/DECALS**

HT & Product Type Decal Package:	Hyundai Logo & Product Type Decals Application(For not having pre-painted white panels for side/door/front, Apply white HT Corporate decals)
Decal Package:	Factory Furnished Hyundai Information & Regulatory Decal Package with FMCSA Specified in Notes
Decal Opt 2-Decal Location:	Standard Application
Decal Opt 3-Decal Installation:	Standard Application
Decal Opt 5-Decal Location-reefer:	Standard Application
Decal Opt 6-Decal Installation-reefer:	Standard Application
Conspicuity Vendor:	3M
Conspicuity Markings:	Hyundai Standard Conspicuity with Logo Applied to Side Bottom Rail
License Plate:	Temporary For Delivery. Fasten on SUS Mounting Plate
License Plate Brk't Install:	Standard Install Location - Roadside Below Door Sill
Furnish Document Holder:	Factory Furnished
Document Holder Detail Spec:	(1) Phillips 16-802
Document Holder/Manifest Loc.:	Overlaid on Lower R/S Front
* Vent Door Specification:	(1) Bottom Hinged Swing type Vent Door & (1) Side Hinged Swing type Vent Door (with screens)
* Vent Door Location:	(1) Upper R/S Front, (1) Lower C/S Rear Respectively
* Vent Door Step & Handle:	(2) Folding Access Steps & Grab Handle (One Side)

#### **PAINT/FINISH**

Upper Coupler Finish:	Stainless Steel-Forward Section w/ Black Undercoating inside of Upper Coupler
Crossmembers Finish:	HDG : ALL Steel Crossmembers including Hat C/M, L/G & Bogie Area (Except any Aluminum)
* Axle & Components Finish:	Black Undercoating
* Susp. Sub-Frame Finish:	Black Undercoating
L/Gear(K-Bracing) Finish:	Hot Dip Galvanized
L/Gear(Upper Leg) Finish:	Hot Dip Galvanized
Rear Frame-Finish:	Stainless Steel
Rear Frame-Paint Color:	None (For Galvanized or Stainless Steel)
Rear Underride-Finish & Spec.:	Hot Dip Galvanized
Rear Underride-Paint Color:	None (For Galvanized or Stainless Steel)

#### **MISCELLANEOUS**

Mudflap Provider:	Factory Furnished Mudflaps
Mudflap Specification:	24"x30" White Plain Plastic with Hyundai Logo 3/8# thick with Anti-spray ribs
Mudflap Mounting Location:	Suspension frame (Tandem/Single axle frame without P.H.)
Mudflap Mounting Method/Install:	STD Location w/ H.D Washer Retainer
Mudflap Bracket design:	1 Piece Bracket

#### **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.