



**ThermoTech**

## Hale Trailer Brake & Wheel 891001-891015

Product : , , , ,

### 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"
Width - Exterior:	102.36"
** Width - Interior:	97.4"
Height - Exterior:	13'-6"
** Height - Interior:	105.5" Front
Deck Height:	Standard application
Fifth Wheel Height:	47"
King Pin Location:	36"
* Landing Gear Location:	107" from King Pin (+ 1"/-1/4")

### TIRES & WHEELS

Tire Furnished:	Factory Furnished
Tire Manufacturer:	General HT (G), Long Haul Trailer Tire & Low Rolling Resistance
Tire Size:	295/75R22.5
Wheel Furnish:	Factory Furnished
* Wheel Material:	All Aluminum Wheel
* Wheel Manufacturer:	Alcoa
* Wheel Size:	8.25 x 22.5, 10-Hole (Aluminum, Inner & Outer)
* Wheel Finish for Steel:	None (Due to All Aluminum Wheel Application)
* Wheel Finish for Aluminum:	Aluminum Disc Outer & Inner Mill Finish
Valve Stem & Cap:	Valve Stem & Metal Dome Cap

### UPPER COUPLER

* Upper Coupler-Reefer:	4.00" deep, Floor Over Coupler and Running to Front
* Approach Plate:	1/4" thick 80,000 Lb Yield - 6 Support Channels
King Pin (BTM Main) Plate:	1/4" thick 80,000 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:	4" Extruded Aluminum I-Beams: 12" C/L
* Landing Gear Crossmember:	4" Steel I-Beams (80,000 PSI) : 8" C/L (6" On Forward Edge : 7ea)
* Bay Area Crossmember:	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):	208" Rail Length
Slider Rail Duty:	Standard Duty
Slider Rail Hole Space & Dia.:	4" increments holes with large diameter holes (Hutch & Binkley)
* Fuel Tank Location:	None, Prepare with fuel line conduit thru landing gear, forward & UC

### FLOOR

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 Duct Floor
Floor-Surface Spec. - RV:	Smooth Floor Surface - HT Standard
Rear Gutter & Trough:	Flush w/ Top of Floor(Mig) & w/ Trough (DUCT TYPE STD)
Floor Ratings - RV:	16,000 lb Rated Floor per TTMA
Floor Drain - RV:	(4) Drains w/ Kazoo
Floor Filler Mat'l:	I-Filler (Ridge PVC)
Floor Inserts -RV:	Extruded Aluminum (STD)
* Threshold Plate-RV:	(5) Dock Board Guides over rear (Duct type STD)

#### **FRONT**

Front Corner Radius:	6" Extruded Aluminum STD Duty Post (RV)
Front Panel & Color - RV:	0.04" Aluminum Prepainted White
* 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" Alum Diamond Plate Each Side at Top
Reefer Unit Front Frame:	Brace for type "A" (Large Opening)

#### **RV-VAN ITEM**

* Reefer Unit Manufacturer:	Reefer Unit to be determined later
Reefer Unit Type:	Single-Temperature Type
* Reefer Unit Spec.:	Reefer Unit to be determined later
* Reefer Unit Furnish:	Prep only for future installation after delivery
* Reefer Unit Install:	Customer or Other Install. Cut & Seal Hatch w/ Plywood for Shipment
* Reefer Commissioning:	Commission unit at Others

#### **SIDE**

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" High Bay Crossmember - TL Thermotech
Fasteners to Bottom Rail:	Standard Rivets to attach C/Members to the Side Bottom Rail

#### **REAR**

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 (96.6" 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
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 (RIG) 30
Option - Horiz Member/Other:	Construction of two pieces standard stitch welding
Underide Bolt Spec.:	Stainless steel bolts & nuts - Optional
* Dock Bumper:	Pair 3" X 6" Mold Bolted Bumper
Rubber Bumper Location:	Inboard of Light Protector Bars (Standard)

#### **LIFT GATE**

**ROOF**

* Roof Panel:	0.032" One Piece Corrugated Aluminum
Roof Bow:	1" Extruded Aluminum
Roof Bow Centers:	32" 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:	10" High Extruded Aluminum (Recessed Only)

**URETHANE INSULATION**

Front Insulation:	Front Insulation - 4" Polyurethane
Side Insulation:	Side Insulation - 2" Polyurethane
Roof Insulation:	Roof Insulation - 2" 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
Type of Susp Spring:	Air Bag
Spring Specification:	Air Bag
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"
Brake Lining Spec.:	Hendrickson Extended Service (Abex-3030-197)
Brake Control System:	2S/1M Wabco ABS
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:	HT Standard (KIC) 10 Stud Hub Piloted Outboard Iron Hub

- \* Drum Specification: HT Standard (KIC) Cast Drum
- Hub/Drum-Opt(Nut&Other): Standard
- Bearing Specification: Stemco
- Lubrication Spec.: Shell Spirax Oil 80-90
- \* 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 Spec.: 19 Series Lamp

#### **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

#### **MARKING/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: Avery
- 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)

#### **PAIN/PAINT/PAINT**

- 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)

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**MISCELLANEOUS**

Mudflap Provider:	Factory Furnished Mudflaps
Mudflap Specification:	24"x30" White Plain Plastic with Hyundai Logo
Mudflap Mounting Loc.:	Suspension Frame
Mudflap Mounting:	STD Location w/ H.D Washer Retainer

**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.