



ThermoTech

Hale Trailer Brake & Wheel

309001-309005

Product : , , , ,

GVWR

GVWR:	Trailer to meet 68,000 Pound GVWR
VIN PLATE:	US - VIN Plate to Read in English (Standard)
* Product Type:	HT Thermotech-Truck Load w/Roll Up Door
Product Class:	HT Thermotech TL

GEOMETRY

Length - Exterior:	53'-0"
** Length - Interior:	52'-0"
Width - Exterior:	102.36"
** Width - Interior:	97.4"
Height - Exterior:	13'-6"
** Height - Interior:	105.5"
Deck Height:	Standard application
Fifth Wheel Height:	47"
King Pin Location:	36"
Landing Gear Location:	105" from King Pin (+ 1"/-1/4")

TIRES & WHEELS

Tire Furnished:	Factory Furnished
* Tire Manufacturer:	Michelin X-One Multi Energy T (L) 20 Ply, Low Rolling Resistance Tire (For Super Single)
* Tire Size:	455/55R22.5
Wheel Furnish:	Factory Furnished
* Wheel Material:	All Aluminum Wheel
* Wheel Manufacturer:	Accuride
* Wheel Size:	14 x 22.5 (Aluminum, For Super Single) w/2" offset
* Wheel Finish for Steel:	None (Due to All Aluminum Wheel Application)
* Wheel Finish for Aluminum:	Aluminum Disc Mill Finish w/2" Offset (For Super Single Tire)
Valve Stem & Cap:	Valve Stem & Metal Dome Cap

UPPER COUPLER

Upper Coupler-Reefer:	4.00" deep, Floor Over Coupler (Mig) and Running to Front
* 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:	4" Extruded Aluminum I-Beams: 12" C/L
Landing Gear Crossmember:	4" Steel I-Beams (80,000 PSI) : 12" C/L (5ea)
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 Duty:	Standard Duty
Slider Rail Hole Space & Dia.:	4" increments holes with large diameter holes (Hutch & Binkley)
* Tire Carrier:	One (1) Mounted Curb (R/H) Side Behind Landing Gear (STANDARD)
* Tire Protect Plate:	Front-None / Rear-12 GA Galv steel x22"x120" long (Fastener Type)
* Tire Protect Install:	Rear Tandem Area at Both Side

* 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: Ridged Floor Surface with Safety Grip (Knurled)
Rear Gutter & Trough: Flush w/ Top of Floor(Mig) & w/ Trough (DUCT TYPE STD)
Floor Ratings - RV: 18,000lb 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: 0.035" Stainless Steel
* 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
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: (4) 0.125" X 12" SMOOTH Alum Each Side at Top & Bottom
Reefer Unit Front Frame: Brace for type "A" (Large Opening)

RV-VAN ITEM

* Reefer Unit Manufacturer: Thermoking
Reefer Unit Type: Single-Temperature Type
* Reefer Unit Spec.: Thermoking Single-Temp
Reefer Unit Furnish: Prep only for future installation after delivery
* Reefer Unit Install: Customer or Other Install. Cut & Seal Hatch w/ Plywood for Shipment

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 5.5" 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
Fasteners to Bottom Rail: Standard Rivets to attach C/Members to the Side Bottom Rail

REAR

* Rear Frame: Roll-Up Door Reefer Rear Frame
* Rear Door Opening Spec.: Roll Up Door - HT Standard Reefer Door Opening Application
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): Whiting Roll Up Door - Cold Saver III, 2" thick w/ Stainless Steel Exterior Panels
* Door-Outer Cover (RV): Roll Up Door-Manufacturer's Specification-See Roll Up Door Spec.
* Door-Inner Lining (RV): Roll Up Door-As per Door Manufacturer's Standard Application
Option - Door Install Instruct (RV): Standard Door Installation Per Manufacturer's Recommendation
* Option - Door Hold Back (RV): None (Roll Up Door)
* Rear Underride Guard: 4" Tube Bolt on Assembly w/ Welded Perforated(Pooched) Horizontal
Option - Horiz Member/Other: Construction of two pieces standard stitch welding
Underide Bolt Spec.: Stainless steel bolts & nuts - Optional
* Step & Under Ride Accessories Option: Welded Step-Curbside, Bolted vertical post extension to the rear sill
* Dock Bumper: Pair 3" X 6" Mold Bolted Bumper
Rubber Bumper Location: Inboard of Light Protector Bars (Standard)

- * Rear Corner Post Grab Handle: (1)Grab Handle-Curbside Integral to Roll-Up Door Post
- * Track Protector: 12Ga x 36" High Galvanized Steel Roll-Up Door Track Protector

LIFT GATE

ROOF

- Roof Panel: 0.025" One Piece Corrugated Aluminum
- Roof Bow: 1" Extruded Aluminum
- Roof Bow Centers: 32" Centers Full Length

LINING/SCUFF

- * Side Lining - Reefer: Versitex VR2, 0.065"
- * Front Lining - Reefer: Versitex VR2, 0.065"
- * Roof Lining - Reefer: Versitex VR2, 0.065"
- * Sub-Floor: Versitex VR1, 0.040"
- 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 - 3" Polyurethane
- * Roof Insulation: Roof Insulation - 3" Polyurethane
- * Floor Insulation: Floor Insulation - 3" Polyurethane
- * Door Insulation: Roll Up Door-See Manufacturer's Door specification

LANDING GEAR

- * L/Gear Spec.: SAF Holland Mark-V
- L/Gear Mt'g Method: Inboard Mounting (Standard)
- * L/Gear Shoes: 12" X 11.5" Sand Shoe Low Profile (Skid Foot) - For Holland Mark-V
- L/Gear Ground Clearance: Nom. 12" Ground Clearance
- * L/Gear Mt'g Bracket: Prime & Painted Large Wing Plate/"Mac Red" Color
- 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.: Gunite Auto-5.5", 28 Spline
 Brake Chamber Spec.: TSE 3030 Tamper Resist (HT standard)
 Stroke Length: MFG's Standard 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
 * Hubodometer: Stemco Hubodometer, Bracket Mounted, Reading in Miles
 * Hubodometer Location: Roadside (LH) Front Axle
 * Dust Shield: Install Dust Shield
 * Tire Inflation Spec.: Hendrickson Tire Maax Inflation System for Undressed Axle (This kit include
 Hendrickson Hub Cap for TireMaax)
 * Tire Inflation Pressure: 110 PSI
 * Tire Inflation Lamp Spec.: 19 Series Lamp

ELECTRICAL

* Harness-General Spec.: Do not use, use EHA18 (Molded Color Code Harness)
 Harness-Special Feature: Manufacturer's Standard Feature
 * Front Light: (7) Trucklite 33275Y LED PC Rated Mounted with Grommet (2 on front outboard, cluster of 3 in center & 2 on 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: (4) Trucklite 40 or 44 Series (Round Style) or Equivalent
 S/T/Tail Light-Detail Spec: (4) Trucklite 44322R LED (Super 44 Grey) Flange Mounted w/ Stainless Steel Rivets
 Main Mid-Turn Light: Install the Mid turn lamp
 Mid-Turn Mounting Method: Mounting Bracket
 * Main Mid-Turn Light-Detail Spec: (2) Trucklite 60272Y LED Gray Flange Mounted with Stainless Steel Rivets & Anti-theft brackets
 * Supplementary Mid-Turn: JVR SR301 & SL302 Safe-T-Signal Arrow Light on SUS Mounting Bracket
 * Supp. Mid-Turn Location: Curbside (RH) & Roadside (LH) at 45 Degree 1st Crossmember behind L/Gear
 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
 * Dome Lamp Switch: Recessed Toggle Switch at Lower Rear Curbside & Pressure Switch-Tramec 38046 (HT STD)
 * Option Related Lamps/Harness: Additional Trucklite 33 LED series Marker Lights. (10) Each Side Top & Bottom Rail
 (Total 36 Extra Light)
 Electrical Related Regulation: Standard Application
 * Roof Dome Lamp Gen Spec.: Install Trucklite LED Dome Lights
 * Roof Dome Lamp Detail Spec: Trucklite 80251C Retangular LED 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 From Rollup Door in Up Position at C/L of Ceiling

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
 * Vent Door Location: Upper R/S (LH) Front
 * Vent Door Step & Handle: (3) Folding Access Steps & 24"L Grab Handle (One Side)

PAIN/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: Red Top Coat Paint. Including Air Tank, Brake Chambers, Dust Shields
 Comment: Include Painted Red Air Tank. Air Tank, Brake Chambers & Dust Shields must also be painted red
 * Susp. Sub-Frame Finish: Suspension to have primer & Red Top Coat Paint
 Comment: "Mack Red" Color
 * L/Gear(K-Bracing) Finish: Prime and Red Painted/"Mac Red" Color
 * L/Gear(Upper Leg) Finish: Red Undercoating/"Mac Red" Color
 Rear Frame-Finish: Stainless Steel
 Rear Frame-Paint Color: None (For Galvanized or Stainless Steel)
 * Rear Underride-Finish & Spec.: Stainless Steel
 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
 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.