

# HALE

## TRAILER

### BRAKE & WHEEL



A029045-A029069  
VIN: 507801-507825

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#### 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:          | 103.5"                          |
| 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         |

#### 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:          | Valve Stem & Metal Dome Cap   |

#### 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.)        |
| * 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)     |
| * 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 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)   |

#### **FRONT**

|                              |   |
|------------------------------|---|
| 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)  |

#### **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 5.5" High Bay Crossmember - TL Thermotech  |
| * Side Rub Rail:          | (1) Alum Exterior Rub Rail (E15-032 One 1-1/8" Tear Drip) on Each Side-Total 2. No Higher than 6" above Bottom Rail. |
| 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 (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(Pooched) 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: | 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:      | 16" High Extruded Aluminum                        |
| * Logistic Track for Reefer:  | (2) Row of "E" Track, Galvanized, Both Side       |
| * Logistic Track Mt'g Method: | Semi-Recessed (Horizontal), full length both side |
| * 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 - 3" 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<br>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<br>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<br>Side Bottom Rail Top and Bottom rail lights to match up (Center Combination to match<br>up with center top rail lamp) |
| <b>Comment:</b>                    | Top and Bottom rail lights to match up (Center Combination to match up with center<br>top rail lamp)   |
| Electrical Related Regulation:     | Standard Application   |

#### **MARKING/DECALS**

|                                    |   |
|------------------------------------|---|
| HT & Product Type Decal Package:   | Hyundai Logo & Product Type Decals Application(For not having pre-painted white<br>panels for side/door/front, Apply white HT Corporate decals) |
| Decal Package:                     | Factory Furnished Hyundai Information & Regulatory Decal Package with FMCSA Specified<br>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)  |

#### **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:    | 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.