

HALE

TRAILER

BRAKE & WHEEL



A032339-A032341

VIN: 410601-410603

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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:	36'-0"
* Length - Interior:	35'-0" Lining to Lining (RU)
Width - Exterior:	102.36"
** Width - Interior:	95.4"
Height - Exterior:	13'-6"
* Height - Interior:	102" Nominal
* Deck Height:	Operational Deck Height 52" - 54"
* Fifth Wheel Height:	48"
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:	MICHELIN XTE(G), LOW ROLLING RESISTANCE TIRE (OBSOLETE Please Use TMB56)
* Tire Size:	11R22.5
Wheel Furnish:	Factory Furnished
Wheel Material:	All Steel Wheel
Wheel Manufacturer:	HT Standard (TCC 361)
* Wheel Size:	8.25 x 22.5, 2-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

UPPER COUPLER

Upper Coupler-Reefer:	4.00" deep, Floor Over Coupler and Running to Front, Bolting Type
* Upper Coupler Option-Reefer:	Upper Coupler Extension (XL) / Side Door
* 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) : 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 6'
* Slider Body Rail (RV):	172" 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-12 GA Galv steel x22"x55" long or the nearest XM/ Rear-12 GA Galv steel x22" x length to cover entire running gear area (Snap in Type)
- * Tire Protect Install: Behind Upper Coupler & Tandem Area at Both Side
- * Fuel Tank Location: One Mounted behind Landing Gear, with fuel line conduit thru landing gear, forward & UC
- * Fuel Tank Furnish: Customer Furnished Carrier Fuel Tank
- * Fuel Tank Size: 50 Gal w/ USFLS
- Fuel Tank Install: Cap to be 8" inboard from bottom rail (MFC's Recommended STD)
- Fuel Tank MT'G Method: Manufacturer's Recommended MT'G

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 & w/ Front Trough. No Rear Trough
- * Floor Ratings - RV: 20,000lb Rated Floor
- Floor Drain - RV: (4) Drains w/ Kazoo
- Floor Filler Mat'l: I-Filler (Ridge PVC)
- * Floor Inserts -RV: Extruded Aluminum 48" long x 72" wide in center
- * Threshold Plate-RV: (3) 0.19" Al Diamond Plate 24" X 24" at rear floor to reinforce floor where dock plate sits. fully welded.

FRONT

- * Front Corner Radius: 6" Extruded Aluminum (RV) with Recessed at Road Side For Reefer indicator Lamp.
- Front Panel & Color - RV: 0.04" Aluminum Prepainted White w/ Aluminum Insert
- Corner Radius Insert - RV: 0.04" Aluminum Prepainted White
- 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 Permalogic w/20 AMP Circuit Breakers
- Gladhand/7-Way Location: Overlaid on Lower Roadside Front
- * Corner Radius Protector: (2) 0.125" X 18" Alum Diamond Plate Each Side at Top
- Reefer Unit Front Frame: Brace for type "A" (Large Opening)
- * Front Air Return Bulkhead Supplier: Customer Furnished
- * Front Air Return Bulkhead Spec.: Air Return Bulkhead
- * Indicator Lights: Install Customer Furnished Temperature Indicator Lights
- * Option - Indicator Lights: Recessed in Pan on Roadside Radius Front Corner

RV-VAN ITEM

- Reefer Unit Manufacturer: Carrier
- Reefer Unit Type: Single-Temperature Type
- Reefer Unit Spec.: Carrier Single-Temp
- Comment:* Install Customer Furnished Carrier Lynx telematics power control switch
- * Reefer Unit Furnish: Customer Furnished
- Reefer Unit Install: Factory Install
- * Reefer Commissioning: Commission unit at Factory
- Comment:* Please refer to special customer instruction on provided thumb drive for carrier reefer commissioning
- * Battery: Factory Furnished Battery
- * Battery Spec: Interstate Battery

SIDE

- * Side Material: 0.05" Aluminum Prepainted White w/ natural color rivets
- * Side Posts: 1.5" Deep Extruded Aluminum "Z" Post
- * Side Post Centers: 12" C/L Full Length
- * Side Top Rail: Heavy Duty Side Top Rail for Thermotech
- * Side Bottom Rail: Side Bottom Rail HD 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.
Installed 18" from top of side bottom rail to bottom of rub rail & just below side

- top rail.
- * Side Door - Curbside(RH) - RV: (1) Front Side Door on Curbside (RH). Single Opening Side Door
 - * Side Door Size - RV: Approx. 40"W x 80"H Opening. Single Opening Side Door (Exposed Al Frame)
 - * Side Door Frme Finish: Stainless Steel Side Door Frame
 - * Front Side Door Loc.-RV: Front Door to locate 39.5" from Exterior of Trailer Front to Door Center Line of Door
 - * Front Door-Open Direction - RV: Front Curbside (R/H) Door open to Rear of Trailer for Single Opening
 - * Side Door-Grab Handle: Install 3/4" stainless steel grab handle (Rounded edges), to top and bottom lock sockets
 - * Side Kick Ramp Install: Install ROM R02161 Sidestep Ladder & R02062 Ladder Carrier Under Trailer on Curbside in Bay Area
 - * Side Kick Ramp Spec: (I) ROM R02161 Sidestep Ladder & R02062 Carrier.
 - Fasteners to Bottom Rail: Standard Rivets to attach C/Members to the Side Bottom Rail
 - * Option-Side Door Frame: Prep Side Door For Sidestep (R02161) Portable Ladder Channels In Sill; Ramp Hook Channels On Nominal 13.5" C/L

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 (B-23116, HT Standard)
- * 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/ Bolt on Perforated(Pooched) Horizontal
- * Option - Horiz Member/Other: Construction of two pieces standard stitch welding
- Underide Bolt Spec.: Stainless steel bolts & nuts - Optional
- * Dock Bumper: None (Preparation For Future Lift Gate Installation). Delete "Eyebrow" Around Tail Lights
- * Track Protector: 12Ga x 36" High Galvanized Steel Roll-Up Door Track Protector

LIFT GATE

- * Lift Gate Furnish: Factory Furnished
- * Lift Gate Type: Column
- * Lift Gate-Mounting Method: Bolt On - Column
- * Lift Gate-Spec Maxon Column: Please see next raw
- * Lift Gate-Spec Others Column: Leyman FXD 55, 86"WX84"D+ 16" Al. Ret. Ramp, Steel Platform, Galv. Gate, Circuit breaker for pump motor, Power down on demand, Steel rollers, Extreme shield, stationary potted marine toggle switch & remote walk around control
- Comment:* Reference Leyman Quote #20175253
- * Lift Gate-Detail Spec: 20ft Extension Kit from Lift Gate Supplier
- * Lift Gate-Battery: Factory Furnish and Install (2) Liftgate Batteries
- * Lift Gate-Battery Detail Spec: HT Standard (Interstate) Liftgate Batteries
- * Lift Gate-Battery Charger Spec: Customer Furnished Auxiliary Carrier Lift-Gate Battery Charging Harness System (40 AMP, 12 Volts)

ROOF

- Roof Panel: 0.025" One Piece Corrugated Aluminum
- Roof Bow: 1" Extruded Aluminum
- * Roof Bow Centers: 24" Centers Full Length

LINING/SQUEE

- * Side Lining - Reefer: Polar X PPO70 0.063"
- * Front Lining - Reefer: Polar X PPO70 0.063"
- * Roof Lining - Reefer: Polar X PPO70 0.063"

- * Sub-Floor: US LINER SILVERBACK SB1, 0.035#
- Side Scuff Mt'g Method: Recessed (STD)
- * Side Scuff for Reefer: 3/16" X 22" High aluminum-heavy duty, with ¼# flashing side (HD) and full-length HDPE behind of each extruded.
- * Front Scuff for Reefer: 22" High Extruded Aluminum
- * Logistic Track for Reefer: (2) Row of "A" Track, Galvanized, Both Side
- * Logistic Track Mt'g Method: Semi-Recessed (Horizontal), full length both side
- * Logistic Track Locate: Please see next raw
- * Logistic Track Locate-2: Located at 36" & 78" floor to centerline of track.

URETHANE INSULATION

- Front Insulation: Front Insulation - 4" Polyurethane
- * Side Insulation: Side Insulation - 3" Polyurethane
- * Roof Insulation: Roof Insulation - 4" Polyurethane
- Floor Insulation: Floor Insulation - 2.5" Polyurethane
- * Door Insulation: Roll Up Door-See Manufacturer's Door specification

LANDING GEAR

- * L/Gear Spec.: Jost HT451.G3.17.157 Magnum 10 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/4S2M 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: Meritor
- Suspension Capacity: Standard Duty
- * Meritor/Reyco Susp. Specification: Meritor Sentry (MPA40) 40k Air Ride
- * Surelok (Anti-Dock): No Surelok (No Anti-Dock)
- * Susp. Dump Valve: Manual Dump Valve
- Locking Pin Mechanism: Air-Assist Pin Puller or Quik Draw
- * Susp. Sub-Frame: Supplied by Meritor
- Type of Susp Spring: Air Bag
- Spring Specification: Air Bag
- * Axle Diameter: 5"
- * Axle Supplier: Meritor
- * Axle-General Spec.: Axle - Tandem (2) Axle included in Suspension (For 4S2M System)
- Axle-Track Length: 77-1/2"
- Axle-Spindle Type: Tapered Spindle
- * Brake Lining Size: Disc brake with loose parts
- * Brake Lining Spec.: Disc Brakes
- * Brake Control System: 4S/2M Wabco iABS
- * Spring Brake Control: Sealco 110800 Springbrake Priority
- Brake Cont-Hose & etc.: Standard Air Line & Hose Application (US&Canada)
- * Slack Adjuster Spec.: None Due to Air Disc Brake Application
- * Brake Chamber Spec.: Meritor EX+ LS for Disc Brake; Bolted to Caliper 50mm Bolt w/Meritor Axle
- * Stroke Length: None due to Air Disc Brake
- * Hub Specification: Conmet 10 Stud Hub with Rotor with Casting 10083541, Tapered Spindle

- * Drum Specification: None Due to Air Disc Brake Application
- Hub/Drum-Opt(Nut&Other): Standard
- Bearing Specification: Stemco
- Lubrication Spec.: Chev Delo Gear EP5 80-90 oil
- Wheel Seals Spec.: Stemco Platinum Performance Plus, Discover Seals, Sentinel Hub Cap, Pro-Torq Nut
- ** Tire Inflation Spec.: Meritor PSI Tire Inflation System w/ Thermal Alert & Check Port Valve on Hose (CP Hose)
- 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
- * Elect. & Park Brake Interlock: Install Elect. Standby & Pneumatic Park Brake Interlock :460VAC without toolbox

ELECTRICAL

- * Harness-General Spec.: Molded Color Code Phillips Harness (Sta-Dry) with Locking Device connector
- Harness-Special Feature: Manufacturer's Standard Feature
- Front Light: (2) Phillips 51-HY37323 Amber 3/4" Penny, PC Rated
- * Rear ID Header Light: (5) Phillips 51-HY37322 Red 3/4" Penny, PC Rated (Cluster of 3 & 1 Each Outboard)
- Rear Side Marker Type(Shape): Mini Button Style Lamp with Antitheft Bracket
- Rear Side Marker Detail Spec: (2) Phillips 51-HY37322 Red 3/4" Penny, PC Rated 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: None (S/T/T Supplied By Lift Gate MFG or SlideLift Application)
- * S/T/Tail Light-Detail Spec: Supplied By Lift Gate Manufacturer LED connector
- Main Mid-Turn Light: Install the Mid turn lamp
- Mid-Turn Mounting Method: Mounting Bracket
- Main Mid-Turn Light-Detail Spec: (2) Phillips 51-HY60303-0 LED 6.5" Oval MidTurn/Marker - Amber Surface Mount with Stainless Steel Rivets
- ABS Light Detail Spec: (1) Phillips 51-HY37323 Amber 3/4" Penny, PC Rated w/anti-theft hardware
- ABS Light MT'G Location: Mounted on Standard Location on Rear Corner Post - HT STD
- * License Light: (1) Phillips 51-HY37721-0 (Button Style, Clear) with Grommet (19mm Hole Required)
- * Dome Lamp Switch: Permalogic with (1) Phillips Momentary toggle Switch at Lower Rear Curbside
- Electrical Related Regulation: Standard Application
- * Interior lights-Special Instruction: Lamps Turn on/off From Permalogic & From the Interior Rear Switch. PIR motion Sensor lamp Turn on Individually when Detect motion, Trigger wire Dome Lamp connected to Permalogic.
- * Side Dome Lamp Gen Spec.: Install Phillips LED Dome Lights
- * Side Dome Lamp Detail Spec.: Phillips 51-22221 LED Motion Sensor Domelights
- * Side Dome Lamp Quantity: Install (4) Four
- * Side Dome Lamp Mt'g Method: Flush Mount Down with Recessed Housing
- * Side Dome Lamp Location: (4) Mounted on roadside wall evenly spaced, approx. 12" from ceiling to C/L of light

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: Customer Furnished Owner Decal Package, Specified in Notes
- * Decal Opt 1-Additional Decal: Specified in Notes
- Comment:* Install Customer Furnished Decals per Decal Schematic
- 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

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 & Bolted Horizontal Member
Rear Underride-Paint Color: None (For Galvanized or Stainless Steel)

MISCELLANEOUS

Mudflap Provider: Factory Furnished Mudflaps
* Mudflap Specification: 24"x30" Eco Mudflaps w/o logo
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.