

HALE

TRAILER

BRAKE & WHEEL



A020918-A020954



VIN: 469201-469237

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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/Swing Door
Product Class:	HT Thermotech TL

GEOMETRY

Length - Exterior:	53'-0"	
** Length - Interior:	52'-2"	
Width - Exterior:	102.36"	
** Width - Interior:	95.4"	
Height - Exterior:	13'-6"	
** Height - Interior:	102"	
** Deck Height:	Target Operational Deck Height 53" w/ 17.5" Ride Height	Rev.B
* Fifth Wheel Height:	48"	
King Pin Location:	36"	
Landing Gear Location:	105" from King Pin (+ 1"/-1/4")	

TIRES & WHEELS

Tire Furnished:	Factory Furnished
* Tire Manufacturer:	Michelin XTE(G), Low Rolling Resistance Tire
* 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:	Valve Stem & Metal Dome Cap

UPPER COUPLER

Upper Coupler-Reefer:	4.00" deep, Floor Over Coupler and Running to Front, Bolting Type
Approach Plate:	3/16" 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)	Rev.C
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'	Rev.C
* Slider Body Rail (RV):	256" 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"x120" long (Fastener 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 and 22" Diameter

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 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 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 TRIM

Reefer Unit Manufacturer: Carrier

* Reefer Unit Type: Multi-Temperature Type

* Reefer Unit Spec.: Carrier Multi-Temp

* Reefer Unit Furnish: Customer Furnished

Reefer Unit Install: Factory Install

* Reefer Commissioning: Commission unit at Factory

* Evaporator Furnish: Customer Furnished

** Evaporator-Configuration: (1) Carrier MHD-2200 Full Width, Dual Discharge & (1) Carrier MHS-1000 (Single Blowing w/ Half Width)

* Evap - Location by Side: (1) Evaporator on Road Side (LH) in Width & (1) Evaporator in Full Width

** 1st Evap - Location/Distance: 1st evaporator: 282" from Front Interior wall to the leading edge of the evaporator

** 2nd Evap - Location/Distance: 2nd Evaporator: 126" from Rear Door Interior to Trailing Edge of evaporator

* 1st Evap. - Air Blow Direction: 1st Evaporator blowing direction : Toward Front and Rear of Trailer

* 2nd Evap. - Air Blow Direction: 2nd Evaporator blowing direction : Toward Front of Trailer

* Evap - Drain Configuration: Evaporator to have (2) 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

* Evap- Trough Location: Located on Roof

* Evaporator Guard Furnish: Customer Furnished

** Evaporator Guard Spec.: (1) Carrier Evaporator Guard half width for MHS & (1) Carrier Evaporator Guard full width for MHD

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 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.
Locate Bottom as close as possible to 18# above side baserail top row butted to top 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-0.04" PPW Aluminum Outer Cover Sheet
- Door-Inner Lining (RV): Swing Door-PP050 (0.043") Polar X
- * Door Scuff: Install 0.19" Extruded Aluminum x 16" high rear door scuff
- * Option - Door Install Instruct (RV): Do NOT Include Anti-Theft Features on hinges (use torx screw & cotter pin)
- 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/ Bolt on Perforated(Pooched) Horizontal. Rear Impact Guard (RIG30-NEW)
- * Option - Horiz Member/Other: Construction of two pieces standard stitch welding
- Underide Bolt Spec.: Stainless steel bolts & nuts - Optional
- * Step & Under Ride Accessories Option: Bolted Step-Curbside, Bolted vertical post extension to the rear sill
- * Dock Lock Option: Bolt On K-Brace (Dock Lock) at Center
- Dock Bumper: Pair 3 X 5.88 HT High Performance Polyurethane Radius Bumper ATRO Black Color
- Rubber Bumper Location: Inboard of Light Protector Bars (Standard)
- * Rear Corner Post Grab Handle: (2)Grab Handle-Low Profile, Install between 1st & 2nd Hinges, 2nd & 3rd Hinges on C/S Post

Rev.B

LEFT 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: Polar X PPO70 0.063"
- * Front Lining - Reefer: Polar X PP060 0.051"
- * Roof Lining - Reefer: Polar X PPO60 0.051"
- Sub-Floor: Polar X Pp030 0.023"
- Side Scuff Mt'g Method: Recessed (STD)
- ** Side Scuff for Reefer: 3/16" x 24" High Extruded Aluminum-Heavy Duty, w/Flashing Side (Heavy duty) w/ 1/4" Flashing Side(Heavy Duty) and 6" and 18" High Full Width HDPE Back Plate
- * 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: 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: Swing Door-Insulation - 3" Polyurethane

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 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 ABS
* 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 for disc brake; bolted to Caliper 50mm bolt w/Meritor axles (Meritor EX+ LS)
* Stroke Length: None due to Air Disc Brake
* Hub Specification: Conmet 10 Stud Hub with Rotor
* 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
Tire Inflation Pressure: 100 PSI
* Tire Inflation Lamp Location: Indicator PSI Light at Roadside Mounted over corner radius. (STD location)
* Tire Inflation Lamp Spec.: 33 Series Lamp
* 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:	(3) Phillips 51-HY37322 Red 3/4" Penny, PC Rated	
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:	(4) Phillips Round Style or Equivalent	Rev.C
	Comment: Note for Customer: (2) Lamps per side	
S/T/Tail Light-Detail Spec:	(4) Phillips 51-HY40202 4" Round STT w/Flange-Red	
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:	Recessed Toggle Switch at Lower Rear Curbside & Pressure Switch-Tramec 38046X (HT STD)	Rev.B
Electrical Related Regulation:	Standard Application	
* Interior lights-Special Instruction:	Black Circuit: Power from Clearance, Side marker & ID Lamps	
* 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:	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: Customer Furnished MDI Decal Package per Bryson Hill 11/15/2023	
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" 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

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.