

HALE

TRAILER

BRAKE & WHEEL



A029528-A029534
VIN: 480001-480007

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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:	53'-0"
** Length - Interior:	52'-0"
Width - Exterior:	102.36"
** Width - Interior:	95.4"
Height - Exterior:	13'-6"
** Height - Interior:	102"
* 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")

TIRES & WHEELS

Tire Furnished:	Factory Furnished	
** Tire Manufacturer:	Michelin XMET2(G), Low Rolling Resistance Tire	Rev.B
* 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:	Install Alligator Cap on PSI Check Port Hose	Rev.B

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) : 9" C/L (6" On Forward Edge : 7ea)	Rev.B
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):	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" 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" Smooth Alum 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

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RV-VAN ITEM

Reefer Unit Manufacturer:	Carrier
* Reefer Unit Type:	Multi-Temperature Type
* Reefer Unit Spec.:	Carrier Multi-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:	Customer Furnished Battery
* Battery Spec:	Carrier
* Evaporator Furnish:	Customer Furnished
* Evaporator-Configuration:	(1) Carrier MHD-2200 (Full Width, Dual Discharge) & (1) Carrier MHS-1100 (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:	Please see next row
* 1st Evap - Location/Distance-2:	1st evaporator: 303" from Front Exterior wall to the C/L of the evaporator.
* 2nd Evap - Location/Distance:	2nd Evaporator: 487" from Front Exterior wall to Centerline of evaporator just ahead of RU door in the up position
* 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

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- * 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.: (2) Carrier Evaporator Guards, (1) for MHD-2200 (Full Width) & for (1) MHS-1100 (Half With)
- * Evap - Tubing Protector: Install Customer Furnish Brace Diagonal 3 Ribs Front Evaporator Tubing protector From Host Unit.

Comment: Box guard included with reefer machine from Carrier dealer

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.
Installed 18" from top of side bottom rail to bottom of rub 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 (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. 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: (1)Grab Handle-Curbside 36" Long Integral to Roll-Up Door Post (Outer)
- * Track Protector: 12Ga x 36" High Galvanized Steel Roll-Up Door Track Protector

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LIFT GATE

ROOF

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

LINING/SCUFF

- * 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 1/4# 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

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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)	Rev.B
* 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:	(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:	(4) Phillips Round Style or Equivalent
<i>Comment:</i>	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:	Permalogic with (1) Phillips Momentary toggle Switch at Lower Rear Curbside
Electrical Related Regulation:	Standard Application
* 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
<i>Comment:</i>	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

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 & 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

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Equipment availability, prices and specifications are subject to change without notice.