

HALE

TRAILER

BRAKE & WHEEL



A029484-A029492
VIN: 508401-508409

SALES | RENTALS | PARTS | SERVICE

Allentown, PA: 800-383-8894

Baltimore, MD: 888-601-7500

Concord, NC: 800-438-2250

Delmar, DE: 866-486-1400

Des Moines, IA: 888-673-5011

Elkton, MD: 800-544-7127

Jacksonville, FL: 800-828-3055

Little Rock, AR: 833-424-8944

Portland, ME: 800-325-4253

Raleigh, NC: 833-418-9777

Scranton, PA: 800-569-1400

Springfield, MA: 800-854-5306

Voorhees, NJ: 866-315-0235

Walpole, MA: 800-854-5310

haletrailer.com | @haletrailer



800-232-6535 *FINANCING AVAILABLE

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: 48'-0"
* Length - Interior: 47'-0" Lining to Lining (RU)
Width - Exterior: 102.36"
* Width - Interior: 95.4" Nominal Lining to Lining
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

Rev.D

TIRES & WHEELS

Tire Furnished: Factory Furnished
** Tire Manufacturer: Michelin XMET2(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: Install Alligator Cap on PSI Check Port Hose

Rev.C

Rev.C

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

Rev.E

Rev.E

Rev.E

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)

Rev.E

| | |
|-------------------------|--|
| * 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 Prepaint White w/ Aluminum Insert |
| Corner Radius Insert - RV: | 0.04" Aluminum Prepaint 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 |

Rev.C

RV-VAN ITEM

| | | |
|---------------------------|---|-------|
| Reefer Unit Manufacturer: | Carrier | |
| Reefer Unit Type: | Single-Temperature Type | Rev.B |
| Reefer Unit Spec.: | Carrier Single-Temp | Rev.B |
| <i>Comment:</i> | Install Customer Furnished Carrier Lynx telematics power control switch and connect customer furnished Carrier liftgate battery charging harness to liftgate. | |
| * Reefer Unit Furnish: | Customer Furnished | |
| Reefer Unit Install: | Factory Install | |
| * Reefer Commissioning: | Commission unit at Factory | Rev.B |
| <i>Comment:</i> | Please refer to special customer instruction on provided thumb drive for carrier reefer commissioning | |
| * Battery: | Factory Furnished Battery | Rev.E |
| * Battery Spec: | Interstate Battery | Rev.E |

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 | Rev.E |
| * 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 | Rev.D |
| * Side Door Size - RV: | Approx. 40"W x 80"H Opening. Single Opening Side Door (Exposed Al Frame) | Rev.D |
| * Side Door Frme Finish: | Stainless Steel Side Door Frame | Rev.D |
| * Front Side Door Loc.-RV: | Front Door to locate 39.5" from Exterior of Trailer Front to Door Center Line of Door | Rev.D |
| * Front Door-Open Direction - RV: | Front Curbside (R/H) Door open to Rear of Trailer for Single Opening | Rev.D |
| * Side Door-Grab Handle: | Install 3/4" stainless steel grab handle (Rounded edges), to top and bottom lock sockets | Rev.D |
| * Side Kick Ramp Install: | Install ROM R02161 Sidestep Ladder & R02062 Ladder Carrier Under Trailer on Curbside in Bay Area | Rev.D |
| * Side Kick Ramp Spec: | (1) ROM R02161 Sidestep Ladder & R02062 Carrier. | Rev.D |
| 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 | Rev.D |
| <u>REAR</u> | | |
| * 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) | Rev.C |
| * 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 | |
| <u>LIFT GATE</u> | | |
| * 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 FXG-55, 84"x86" w/ Steel Platform and 16" Aluminum Retention Ramp. | Rev.E |
| <i>Comment:</i> | 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: | Lift-gate Batteries to Charge off Supplemental Reefer Alternator Through the Customer Furnished Carrier 2-Wire | Rev.E |
| <u>ROOF</u> | | |
| Roof Panel: | 0.025" One Piece Corrugated Aluminum | |
| Roof Bow: | 1" Extruded Aluminum | |
| * Roof Bow Centers: | 24" Centers Full Length | |
| <u>LINING/SQUEE</u> | | |
| * 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 | Rev.E |
| * 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) | Rev.E |
| 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. | Rev.E |
| * 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 | Rev.D |
| * Decal Opt 1-Additional Decal: | Specified in Notes | Rev.D |
| Comment: | MDI/Souto Foods Decals, Customer to Advise | |
| 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/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.