

HALE

TRAILER

BRAKE & WHEEL



A035798-A035799
VIN: 482001-482002

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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# Lining to Lining (SW)
Width - Exterior:	102.36"
** Width - Interior:	97.4"
Height - Exterior:	13'-6"
* Height - Interior:	105.5"
Deck Height:	Standard application
Fifth Wheel Height:	47"
King Pin Location:	36"
Landing Gear Location:	105" from King Pin (+ 1"/-1/4")

TIRES & WHEELS

Tire Furnished:	Factory Furnished
Tire Manufacturer:	General HT+ (G), Long Haul Trailer Tire & Low Rolling Resistance
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:	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) : 12" C/L (Sea)
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)
* Fuel Tank Location:	One Mounted behind Landing Gear, with fuel line conduit thru landing gear, forward & UC

* Fuel Tank Furnish: Factory Furnished Thermoking 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 (Mig) & w/o Trough -> Floor Plank will be extended to rear gutter (FLAT & DIARY TYPE STD)
* 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 (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: No Corner Radius Insert
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
Reefer Unit Front Frame: Brace for type "A" (Large Opening)
* Front Air Return Bulkhead Supplier: Factory Furnished
* Front Air Return Bulkhead Spec.: FG Vortex bulkhead

RV-VAN ITEM

* Reefer Unit Manufacturer: Thermoking
Reefer Unit Type: Single-Temperature Type
* Reefer Unit Spec.: Thermoking Precedent C-600 Single-Temp
Comment: Reference Sonsray Quote #33980
Reefer Unit Furnish: Factory Furnished
Reefer Unit Install: Factory Install
* Reefer Commissioning: Commission unit at Factory
* Battery: Factory Furnished Battery
* Battery Spec: Interstate Battery
* Air Chute Furnished: Factory Furnished Air Chute
* Air Chute Spec: FG Uni-Flow Air Chute

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 Door - Roadside(LH) - RV: (1) Bay Area Side Door on Roadside (LH). Single Opening Side Door
* Side Door Size - RV: Approx. 50"W x 89"H Opening. Single Opening Side Door (Exposed Al Frame)
* Side Door Frme Finish: Stainless Steel Side Door Frame
** Front Side Door Loc.-RV: Customer to Advise
Comment: Note: Structure must be reviewed by HT Engineering
* Bay Area Door-Open Direction - RV: Bay Area Curbside (R/H) Door to open to Front of Trailer for Single Opening
* Front Side Door-Step: Install Retracting Stirrup Step at Side Door
* Side Door-Grab Handle: Install 3/4" stainless steel grab handle (Rounded edges), to top and bottom lock sockets
* Side Door Safety Release: Install (1) Safety Door Release on Front Door
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
 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
 * Rear Underride Guard: None (Due to Tuckaway or Slide Away Lift Gate Installation)
 * Option - Horiz Member/Other: None (Due to Tuckaway Lift Gate Installation)
 * Underide Bolt Spec.: None (Due to The Tuckaway Lift Gate Installation & Sliding type Suspension Frame)
 * Dock Bumper: None (Preparation For Future Lift Gate Installation). Delete "Eyebrow" Around Tail Lights

LIFT GATE

* Lift Gate Furnish: Factory Furnished
 * Lift Gate Type: Slide/Fold-Away
 * Lift Gate-Mounting Method: Bolt On - Slide away / Tuk-away, Extension Plate
 ** Lift Gate-Spec Maxon Tuck/Slide-away: GPSLR-55 80"X86"+ 102W+ 12" Alum Single Ret Ramp+ Power Down+ HDG+ Single Pump+ Cycle Counter+ 40' Power Cable Kit+ Combo Single & Dual Pole+ Nose Box Hanger Frame
Comment: Reference Maxon Quote# 121567
 * 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: Single & Dual Pole Receptacle w/Nose Box
 * Tail Lamp Loc w/Slide-Away Gate: Manufacturer's Recommended Location

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: 10" High Extruded Aluminum (Recessed Only)
 ** Logistic Track for Reefer: Vertical E-Track on side wall (semi-recessed) & (2) Row of "E" Track, Galvanized, Both Side (Overlaid)
 * Logistic Track Mt'g Method: Recessed (Horizontal) and Overlaid (Vertical)
 ** Logistic Track Locate: Located Vertically on side wall on 24" centers, Track Length Approx. 85" Horizontal Track Locations; Customer to advise
Comment: Note: Horizontal e-track on side doors. No vertical track on side doors

URETHANE INSULATION

Front Insulation: Front Insulation - 4" Polyurethane
 Side Insulation: Side Insulation - 2" Polyurethane
 Roof Insulation: Roof Insulation - 2" Polyurethane
 * Floor Insulation: Floor Insulation - 2" 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 Ultraa-K Air Ride
Surelok (Anti-Dock):	Surelok (Anti-Dock) Installed
Locking Pin Mechanism:	Air-Assist Pin Puller or Quik Draw
* Susp. Sub-Frame:	Hendrickson ULTRAA-K STD Duty
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:	Tapered 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.:	TSE Slack Adjuster Part # TSE07135S. Auto-5.5#, 28 Spline
Brake Chamber Spec.:	TSE 3030 Tamper Resist (HT standard)
Stroke Length:	MFG's Standard Stroke Length
* Hub Specification:	Conmet 10 Stud Hub Piloted Outboard Iron Hub with Casting 10083937, Tapered 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 Platinum Performance Plus, Discover Seals, Sentinel Hub Cap, Pro-Torq Nut
Tire Inflation Pressure:	100 PSI
* Axle Configuration:	Axle included in Suspension

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-HY38322 Red Dual Function 3/4" Penny, PC Rated
* Rear ID-Special Feature:	Dual Function Rear Header Lights - 3 Lamps at center with Marker & Stop functionality, 2 Lamps outboard with Marker & Turn functionality
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 Oval Style or Equivalent

** S/T/Tail Light-Detail Spec: (4) Phillips LED Oval Type
 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)
 Electrical Related Regulation: Standard Application
 * Pallet Jack Charging System: Factory Furnished PURKEYS TAPS-304 SYSTEM Connected to Lift Gate batteries using Single and dual pole nose box of Lift gate (hardware for installation included in kit)

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 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.: None (Due To Tuckaway / Waltco Slide Away Lift Gate Install Or Bogie-Pintle Hook Application)
 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: Mounted on Ultraa-K Susp. w/ H.D Washer Retainer
 Mudflap Bracket design: 1 Piece Bracket
 * Aero Dynamic Furnish: Factory Furnished
 * Aero Dynamic Skirt Spec.: Transtex Edge "E-1930T" Side Skirt-Aero Dynamic Device
 * GPS or ID Supplier: Customer Furnished
 ** GPS or ID Specification: Customer to Advise

DISCLAIMER

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