

# HALE

## TRAILER

### BRAKE & WHEEL



A029498-A029500

VIN: 508601-50860

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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")
Height - Interior Truck Body:	Specify Interior Height

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#### 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

#### 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)
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

<b><u>FLOOR</u></b>	
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.

<b><u>FRONT</u></b>	
* 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

<b><u>RV-VAN ITEM</u></b>		
Reefer Unit Manufacturer:	Carrier	
Reefer Unit Type:	Single-Temperature Type	Rev.B
Reefer Unit Spec.:	Carrier Single-Temp	Rev.B
<b><i>Comment:</i></b>	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	
<b><i>Comment:</i></b>	Please refer to special customer instruction on provided thumb drive for carrier reefer commissioning	
* Battery:	Customer Furnished Battery	
* Battery Spec:	Carrier	

<b><u>SIDE</u></b>	
* 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
<b><u>REAR</u></b>	
* 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(Poched) 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
<b><u>LIFT GATE</u></b>	
* 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.
<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:	Customer Furnished Auxiliary Carrier Lift-Gate Battery Charging Harness System (40 AMP, 12 Volts)
<b><u>ROOF</u></b>	
Roof Panel:	0.025" One Piece Corrugated Aluminum
Roof Bow:	1" Extruded Aluminum
* Roof Bow Centers:	24" Centers Full Length
<b><u>LINING/SCUFF</u></b>	
* 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.
<b><u>URETHANE INSULATION</u></b>	
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

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* Door Insulation:	Roll Up Door-See Manufacturer's Door specification
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**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

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**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
* Elect. & Park Brake Interlock:	Install Elect. Standby & Pneumatic Park Brake Interlock :460VAC without toolbox

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**ELECTRICAL**

* Harness-General Spec.:	Molded Color Code Phillips Harness (Sta-Dry) with Locking Device connector
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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:	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
* 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.B
* Decal Opt 1-Additional Decal:	Specified in Notes	Rev.B
	<b>Comment:</b> MDI/W Lee Flowers 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	

#### **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.