

# HALE

## TRAILER

### BRAKE & WHEEL



A027257  
VIN: 481601

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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 HyCube                                    |

#### GEOMETRY

|                        |                                 |
|------------------------|---------------------------------|
| Length - Exterior:     | 53'-0"                          |
| ** Length - Interior:  | 52'-1.5"                        |
| Width - Exterior:      | 102.36"                         |
| ** Width - Interior:   | 101"                            |
| * Height - Exterior:   | 13'-0"                          |
| * Height - Interior:   | 104" Nominal                    |
| Deck Height:           | Standard application            |
| Fifth Wheel Height:    | 47"                             |
| King Pin Location:     | 36"                             |
| Landing Gear Location: | 107" from King Pin (+ 1"/-1/4") |

#### TIRES & WHEELS

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| Tire Furnished:            | Factory Furnished                                                         |
| * Tire Manufacturer:       | Bridgestone R-123(G), Low Rolling Resistance Tire                         |
| 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:  | Hot Dip Galvanized.                                                       |
| 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:        | TR-572 Valve Stem# 8900HALNC for use w/PSI; w/o Cap                       |

#### UPPER COUPLER

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Approach Plate:                             | 7/32" 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:                          | Galvanized-Whole Upper Coupler section, w/ Pick-Up plate Striker Angle |
| Upper Coupler Tube Qt'y:                    | (1) Tubing Application - Joggled                                       |
| * Front Bottom Rail External Routing Holes: | 1 Slot Hole for Harness and Hoses External Routing                     |

#### BODY/BASE

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| Forward Crossmember:      | Steel Hat Shaped Upper Coupler to Landing Gear : 12" C/L      |
| Landing Gear Crossmember: | 4" Steel I-Beams (80,000 PSI) : 12" C/L (5ea)                 |
| Bay Area Crossmember:     | 4" Steel I-Beams (80,000 PSI) : 12" C/L                       |
| Running Gear Crossmember: | 4" Steel I-Beams (80,000 PSI) : 12" C/L with 8" C/L Last 3.4' |
| Slider Body Rail (VT):    | 208" Rail Length                                              |
| Slider Rail Supplier:     | Hutchens Slider Rails                                         |

#### FLOOR

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Upper Coupler Type:  | 3.40" Joggled with Exposed Coupler Top Plate (New STD) |
| Floor Specification: | 1.38" (1-3/8") Nominal Domestic Laminated Oak Hardwood |

|                         |                                                                   |
|-------------------------|-------------------------------------------------------------------|
| Floor Ratings - VT:     | 18,000 lbs Rated Floor per TTMA- Standard HT Dry Van Floor Rating |
| Floor- Assembly Method: | Wood Floor Assembly                                               |
| Floor Screws:           | (3) 0.31" Dia. screws per Board on I beams                        |
| Threshold-Finish:       | Hot Dip Galvanized                                                |
| Threshold Plate:        | 0.13" X 12" Deep Steel Diamond Plate w/ Screws and Nuts           |
| Threshold-Application:  | Standard Application                                              |

#### **FRONT**

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Front Corner Radius:       | 4" Extruded Aluminum                                                                                                  |
| Front Panel & Color - Dry: | 0.05" Aluminum Prepainted White w/ natural color rivets                                                               |
| Front Corner Mat'l - Dry:  | Extruded Aluminum                                                                                                     |
| Front Posts:               | (4) 2.5" Deep (16Ga) Steel Hats - Non AAR                                                                             |
| * Gladhands:               | Phillips Qwik-E with Filters Control Line Only. Overlaid (Bottom Open)                                                |
| * Front Receptacle(7-Way): | Phillips 7-Way Without Circuit Breakers, Split Pins w/Q-BOX 16-8510                                                   |
| * Gladhand/7-Way Location: | (Exterior Harness Routing) Overlaid on Lower Roadside Front (STD) - Mounted on external overlaid HDG mounting bracket |
| * Corner Radius Protector: | (2) 0.125" X 12" SMOOTH Alum Each Side at Top                                                                         |

#### **SIDE**

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Side Material:            | 0.05" Aluminum Prepainted White w/ natural color rivets     |
| Side Posts:               | 0.45" Deep 14 Gauge Galv Steel "A" Slotted Logistic Posts   |
| * Side Post Centers:      | 12" C/L Full Length                                         |
| Side Top Rail:            | Shallow Post Side Top Rail                                  |
| Side Bottom Rail:         | Side Bottom Rail STD                                        |
| Fasteners to Bottom Rail: | Standard Rivets to attach C/Members to the Side Bottom Rail |

#### **REAR**

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| Rear Frame:                      | Swing Door, 2.5" New Door Header Standard Trailers (with 1 Lock Rod Per LH & RH Door)            |
| Rear Door Opening Spec.:         | Standard Application                                                                             |
| Floor Level:                     | Door to be Flush with Floor (STD)                                                                |
| Door Type for Dry Van - SW:      | 0.5" Composite Swing Door. Galvanized Prepainted White Interior & Exterior Skin                  |
| Option - Door (Main Line):       | Install Standard Anti-Theft Hardware                                                             |
| Option - Door Install Instruct:  | Standard Door Installation per Manufacturer's Recommendation                                     |
| Option - Door & Hardware:        | One(1) Rubber Door Bumper (1.25" Deep) on Hinge of each Swing Door                               |
| Door Holder Type for Swing Door: | Standard Door Holdback                                                                           |
| Hinges:                          | Four (4) Aluminum Hinges per Door (3" Height)                                                    |
| * Additional Hinge Option:       | Additional One(1) Aluminum Hinge (Total 5 Per Door)                                              |
| * Rear Underride Guard:          | 4" Tube Bolt on Assembly w/ Welded Perforated(Poached) Horizontal. Rear Impact Guard (RIG30-NEW) |
| Option - Horiz Member/Other:     | One piece roll formed w/continuous welding                                                       |
| Underide Bolt Spec.:             | Geomet bolts & nuts - Standard                                                                   |
| * 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-Low Profile, Installed between 1st and 2nd Hinges (from bottom) on Curb Side.     |
| Rear Frame Design:               | Rear Frame Open Door Sill New Design                                                             |

#### **LIFT GATE**

#### **ROOF**

|                   |                                     |
|-------------------|-------------------------------------|
| Roof Panel:       | 0.040" Aluminum                     |
| Roof Bow:         | 16 Gauge Galvanized Steel Anti-Snag |
| Roof Bow Centers: | 24" Centers Full Length             |

#### **LINING/SCUFF**

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| Side Lining:                     | 0.235" HDPE Recycled Plastic Installed between Posts                 |
| Front Lining:                    | 0.25" Top and 0.5" Bottom plywood Mounted to Front Posts Full Height |
| * Base Side Scuff:               | 0.63" x 12" High White Recycled Plastic                              |
| Side Scuff Band Mounting Method: | Mounted Directly to Posts                                            |

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| * Front Scuff:               | 0.63" x 12" High White Recycled Plastic Mounted Over Lining to Front Posts (Overlaid) |
| Front Corner Lining Support: | Galv Steel Front Corner Liners                                                        |

#### 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:         | Fabricate and Install Spill Kit Bracket by landing gear legs Including (2) chain<br>"come-along" device for storage |
| 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 Vantraxx HKANT40K Air Ride                                                                            |       |
| Surelok (Anti-Dock):                  | Surelok (Anti-Dock) Installed                                                                                     |       |
| Locking Pin Mechanism:                | Air-Assist Pin Puller or Quik Draw                                                                                |       |
| Susp. Sub-Frame:                      | Hendrickson K-2 STD Duty (Vantraxx, Intraxx)                                                                      |       |
| * Air System & Suspension Accesories: | Right Weight Load Scale in Weather Proof Box Located Forward of Slide Rail                                        |       |
| 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                                                                                            | Rev.B |
| Brake Lining Spec.:                   | Hendrickson Extended Service H20                                                                                  | Rev.B |
| 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                                                         | Rev.B |
| Brake Chamber Spec.:                  | TSE 3030 Tamper Resist (HT standard)                                                                              | Rev.B |
| Stroke Length:                        | MFG's Standard Stroke Length                                                                                      | Rev.B |
| Hub Specification:                    | Conmet 10 Stud Hub Piloted Outboard Iron Hub with Casting 10083937, Tapered Spindle                               | Rev.B |
| Drum Specification:                   | Conmet Cast Drum                                                                                                  | Rev.B |
| Hub/Drum-Opt(Nut&Other):              | Standard                                                                                                          |       |
| Bearing Specification:                | Stemco                                                                                                            |       |
| * Lubrication Spec.:                  | Chev Delo (Syn) Grease                                                                                            |       |
| * Wheel Seals Spec.:                  | Stemco Discover Seals, Hub Cap included in tire inflation system, Pro-Torq Nut                                    |       |
| * Hubodometer:                        | Stemco Hubodometer, Bracket Mounted, Reading in Miles                                                             |       |
| * Hubodometer Location:               | Curbside (RH) Front Axle                                                                                          |       |
| * Tire Inflation Spec.:               | Hendrickson Tire Maax Inflation System for Undressed Axle (This kit include<br>Hendrickson Hub Cap for TireMaax)  |       |
| Tire Inflation Pressure:              | 100 PSI                                                                                                           |       |
| * Tire Inflation Lamp Location:       | Indicator PSI Light at Roadside Mounted at 24.6" from bottom of front panel over<br>corner radius. (STD location) |       |

- \* Tire Inflation Lamp Spec.: 33 Series Lamp
- \* Axle Configuration: Axle included in Suspension

#### **ELECTRICAL**

- \* Harness-General Spec.: Molded Color Code Phillips Harness (Sta-Dry)
- \* Harness-Special Feature: Manufacturer's Standard Feature
- \* Front Light: (2) Grote 49333 Yellow Round LED MicroNova Mounted with Grommet
- \* Rear ID Header Light: (5) Grote 49362 Red Round LED MicroNova Dual Function (Cluster of 3 & 1 Each Outboard)
- \* 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) Grote 49322 Red Round LED MicroNova 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) Grote 53 Series-Round Style (40 Series, Round Style) or Equivalent
- \* S/T/Tail Light-Detail Spec: (4) Grote 53272R LED(Round Style-40 Series) Gray Flange Mounted w/stainless steel rivets
- \* Main Mid-Turn Light: Install the Mid turn lamp
- \* Mid-Turn Mounting Method: Mounting Bracket
- \* Main Mid-Turn Light-Detail Spec: (2) Grote 54143Y Oval SuperNova LED with Oval theft resistant flange bracket 43220
- \* ABS Light Detail Spec: (1) Grote 49333 LED MicroNova PC Rated with Adjacent ABS Decal
- \* ABS Light MT'G Location: Mounted on Standard Location on Rear Corner Post - HT STD
- \* License Light: (1) Grote 60711 LED DOT Micronova
- \* Dome Lamp-Spec.: Phillips 51HY26654 Rectangular LED Dome Lights
- \* Dome Lamp-Quantity: Install (3) Three
- \* Dome Lamp-Location: Evenly Spaced at C/L of Ceiling to swing door trailers
- \* Dome Lamp Switch: Recessed Toggle Switch at Lower Rear Curbside & Pressure Switch-Tramec 38046X (HT STD)
- \* Dome Lamp Circuit Connection: Black Circuit: Power from Clearance, Sidemarker & ID lamps
- \* Pressure Switch Location: Inside Upper Coupler
- \* Option Related Harness/Wiring: Standard
- \* Electrical Related Regulation: Standard Application

#### **MARKING/DECALS**

- \* HT & Product Type Decal Package: Delete All Hyundai Logos
- \* Decal Package: Customer Furnished Owner Decal Package, Specified in Notes
- \* Decal Opt 1-Additional Decal: Specified in Notes
- Comment:** Install Customer Furnished Republic Services Decals per Decal Schematic
- \* Decal Opt 2-Decal Location: Standard Application
- \* Decal Opt 3-Decal Installation: Standard Application
- \* Conspicuity Vendor: 3M
- \* Conspicuity Markings: Hyundai Standard Conspicuity with Logo Applied to Side Bottom Rail
- \* License Plate: Temporary For Delivery. Fasten On HDG 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
- \* Furnish Manifest Box: Factory Furnished
- \* Manifest Box Detail Spec: (1) James King #200
- \* Document Holder/Manifest Loc.: Overlaid on Lower R/S Front. 18" from the bottom of the front sheet between the front post & corner radius on the roadside
- \* Placard Furnish: Factory Furnished
- \* Placards: (3) Three set of Four JJ Keller 12-6943 flip type placards (Total 12) & (3) Three set of Four JJ Keller 12-55320 flip type placards (Total 12) & (3) Three set of Four JJ Keller 12-4792 placard holders (Total 12)
- \* Placards Location: Standard Location

#### **PAIN/PAINT**

|                                |                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------|
| Upper Coupler Finish:          | Galvanized-Whole upper coupler section                                                 |
| 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:             | Hot Dip Galvanized                                                                     |
| Rear Frame-Paint Color:        | None (For Galvanized or Stainless Steel)                                               |
| Rear Underride-Finish & Spec.: | Hot Dip Galvanized & Welded 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                                           |
| Mudflap Bracket design:          | 1 Piece Bracket                                                               |
| * Lift Pad Spec.:                | Install HT Occasional use lift pads for delivery                              |
| * GPS or ID Supplier:            | Customer Furnished                                                            |
| * GPS or ID Specification:       | Samsara GPS Asset Gateway-AG52                                                |
| * Import export Decals:          | With HYUZ Decals                                                              |

#### **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.