

HYUNDAI

Specifications

2018

HT ThermoTech

852001-852010

GVWR

GVWR: Trailer to meet 68,000# GVWR
VIN Plate: Canadian/Transport Canada Compliant-VIN plate to read in English and French, pounds and kilograms
Product Type: HT Thermotech – Truck load with Roll Up Door
Product Class: HT Thermotech TL

DIMENSIONS

Length – Exterior: 53'
Length – Interior: 52'-2"
Width – Exterior: 102.36"
Width – Interior: 97.4"
Height – Exterior: 13' 6"
Height – Interior: 105.5" Front
Deck Height: Standard Application
5th Wheel Height: 47"
King Pin Location: 36"
Landing Gear Location: 107" from King Pin (+1"/-0")

TIRES & WHEELS

Tire Furnished: Factory Furnished
Tire Manufacturer: General HT (G), Long Haul Trailer Tire & Low Rolling Resistance
Tire Size: 295/75R 22.5
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 and Outer)
Wheel Finish for Steel: Powder Coated White Steel Disc
Wheel Finish for Aluminum: None (Due to all steel wheel application)
Valve Stem & Cap: Valve stem and metal dome cap

UPPER COUPLER

Upper Coupler – Reefer: 4.00" deep, Floor over coupler and running to front
Approach Plate: 1/4" thick, 80,000# yield – 6 support channels
King Pin (BTM Main) Plate: 1/4" thick 80,000# 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: 3" Aluminum hat shaped members upper coupler to landing gear: 12" C/L (Nom)
Landing Gear Crossmember: 4" Steel I-beams (80,000 PSI): 8" C/L (6" on forward edge: 7 ea.)
Bay Area Crossmember: 5" Extruded aluminum I-beams: 12" C/L
Running Gear C/M Size: 4" High

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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):	208" 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)

FLOOR

Floor Assembly Method:	Aluminum Floor Assembly with Weld (STD). Seams to be Continuously/Uniformly Weld
Floor – Detail Spec. – RV:	1.34" Extruded Aluminum (6061-T6) Flat Floor
Floor – Surface Spec. – RV:	Ridged Floor Surface with Safety Grip (Knurled)
Rear Gutter & Trough:	Flush w/ Top of Floor & w/o Trough > Floor Plank will be extended to rear gutter (FLAT & DIARY TYPE STD)
Floor Ratings – RV:	16,000# rated floor per TTMA
Floor Drain – RV:	(4) drains with Kazoo
Floor Filler Material:	HT Standard (Apitong wood /PPE door sill)
Floor Inserts – RV:	Extruded aluminum (STD)
Floor Bearing Board:	¾" x full width composite plastic board

FRONT

Front Corner Radius:	6" Extruded aluminum STD duty post (RV)
Front Panel & Color – RV:	0.04" aluminum pre-paint white
Corner Radius Insert – RV:	0.035" Stainless Steel
Front Posts:	(4) Posts – (2) 3.15" Deep Steel Hats (2) AL "Z" Post
Gladhands:	Phillips Qwik-E with filters control line only. Overlaid
Front Receptacle (7-Way):	Phillips 7-way with 3" deep, no circuit breaker (HT Reefer STD)
Gladhand/7-Way Location:	Overlaid on lower roadside front
Corner Radius Protector:	(2) 0.125" x 12" Alum Diamond Plate each side at top
Reefer Unit Front Frame:	Brace for type "A" (Large Opening)

RV-VAN ITEM

Reefer Unit Manufacturer:	Reefer Unit to be determined later
Reefer Unit Type:	Single-temperature type
Reefer Unit Spec.:	Reefer Unit to be determined later
Reefer Unit Furnish:	Prep only for future installation after delivery
Reefer Unit Install:	Customer or Other Install. Cut & Seal Hatch w/ plywood for shipment
Reefer Commissioning:	Commission unit at others

SIDE

Side Material:	0.04" aluminum pre-painted white with natural color rivets
Side Posts:	1" deep extruded aluminum "Z" post (STD)
Side Post Centers:	24" C/L with 12" C/L @ upper coupler & support gear
Side Top Rail:	Standard side top rail for Thermotech
Side Bottom Rail:	Side bottom rail for reefer 5" High Bay Crossmember – TL Thermotech
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
Option – Rear Frame (RV)	Rear reinforcement-SUS rear frame to bottom rail reinforcement-12" extended rear corner gussets to next crossmember and add triangular gusset inside.
Corner Post Feature:	Standard
Door Sill Level (RV):	Door to flush with floor (HT Standard)

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Door Sill Feature:	Standard
Door Header Feature:	Standard
Door Type (RV):	Whiting Roll up Door-Cold Saver III, 2" thick
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 Under-Ride Guard:	4" Tube bolt on assembly with welded perforated (pooched) horizontal
Option – Horiz Member/Other:	Construction of two pieces standard stitch welding
Under-ride Bolt Spec.:	Stainless steel bolts & nuts – optional
Dock Bumper:	Pair 3" x 6" mold bolted bumper
Rubber Bumper Location:	Inboard of light protector bars (Standard)

LIFT GATE

Lift Gate Furnish:	Prep. For Future Installation
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ROOF

Roof Panel:	0.032" one piece corrugated aluminum
Roof Bow:	1" extruded aluminum
Roof Bow Centers:	32" centers full length

LINING/SCUFF

Side Lining:	Versitex VR2, 0.065"
Front Lining:	Versitex VR2, 0.065"
Roof Lining:	Versitex VR2, 0.065"
Sub-Floor:	Versitex VR1, 0.040"
Side Scuff Mounting Method:	Recessed (STD)
Side Scuff for Reefer:	10" high extruded aluminum (Recessed Only)

URETHANE INSULATION

Front Insulation:	4" Polyurethane
Side Insulation:	2" Polyurethane
Roof Insulation:	2" Polyurethane
Floor Insulation:	2" Polyurethane
Door Insulation:	Roll up door-See manufacture's door specification

LANDING GEAR

L/Gear Spec.:	Jost HT421.G3.17.157 5 Year Warranty Full HDG
L/Gear Mounting 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 Mounting 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
Suspension Manufacturer:	Hendrickson

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Suspension Capacity:	Standard Duty
Suspension Specification:	Hendrickson Vantraxx HKANT40K Air Ride
Surelok (Anti Dock):	Installed
Locking Pin Mechanism:	Air-Assist Pin Puller or Quick Draw
Suspension Sub-Frame:	Hendrickson K-2 STD Duty
Type of Suspension Spring:	Air Bag
Spring Specification:	Air Bag
Axle Supplier:	Hendrickson
Axle – General Spec.:	Tandem (2) Axle included in slider (for 2S1M or 2S2M system)
Axle – Track Length:	77 ½”
Axle – Spindle Type:	Parallel Spindle
Brake Lining Size:	16.5” x 7”
Brake Lining Spec.:	Hendrickson Extended Service (Abex-3030-197)
Brake Control System:	2S/1M Wabco ABS
Spring Brake Control:	Sealco 110500 Springbrake Priority
Brake Cont-Hose & etc.:	Standard Air Line & Hose Application (US & Canada)
Slack Adjuster Spec.:	Gunite Auto – 5.5”, 28 Spline
Brake Chamber Spec.:	TSE 3030 temper resist (HT standard)
Stroke Length:	MFG’s standard stroke length
Hub Specification:	HT standard (KIC) 10stud hub piloted outboard iron hub
Drum Specification:	HT standard (KIC) cast drum
Hub/Drum – Opt (Nut & Other):	Install “Long” Studs for possible future installation of aluminum wheels
Bearing Specification:	Stemco
Lubrication Spec.:	Shell Spirax Oil 80-90
Wheel Seals Spec.:	Stemco Platinum Performance, Discover Seals, Sentinel Hub Cap, Pro-Torq Nut
Hubodometer:	Stemco hubodometer bracket mounted reading in miles
Hubodometer Location:	Roadside (LH) front axle
Tire Inflation Spec.:	Hendrickson Tire Maxx Inflation System for undressed axle (this kit include Hendrickson Hub cap for Tire Maax)
Tire Inflation Pressure:	100 PSI
Tire Inflation Lamp Spec:	19 series lamp

ELECTRICAL

Harness – General Spec.:	Molded Color Code Harness
Harness Special Feature:	Manufacturer’s Standard Feature
Front Light:	(4) Trucklite 33275Y LED PC rated mounted with grommet
Rear ID Header Light:	(5) Trucklite 33275R LED (cluster of 3 & 1 each outboard)
Rear Side Marker Type (shape):	Mini Button Style Lamp
Rear Side Marker Detail Spec.:	(2) Trucklite 33275R LED PC rated Flush w/grommet 33725 w/anti-theft hardware
Rear Side Marker MT’G Location:	Mounted on standard location on rear corner post – HT STD
S/T/Tail Light – Light-Quantity & type:	(6) Trucklite 40 or 44 series (Round Style) or equivalent
S/T/Tail Light – Detail Spec.:	(6) Trucklite 44334R LED mounted w/ SUS base rings anti-theft
Main Mid-Turn Light:	Install the mid turn lamp
Mid Turn Mounting Method:	Mounting Bracket
Main Mid-Turn Light – Detail Spec.:	(2) Trucklite 60420Y LED flange mounted with stainless steel rivets
ABS Light Detail Spec.:	(1) Trucklite 33275Y LED PC rated w/33725 anti-theft hardware
ABS Light MT’G location:	Mounted on standard location on rear corner post – HT standard
License Light:	(1) Trucklite 33010C LED
Option related lamps/harness:	Additional Trucklite 33 LED series marker lights (3) each side top rail & (2) each side bottom rail Top and Bottom rail lights to match up (Center Combination to match up with center to rail lamp)
Comment:	Top and bottom rail lights to match up (center combination to match up with center top rail lamp)
Electrical Related Regulation:	Standard Application

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MARKING/DECALS

Decal Package:	Factory furnished Hyundai Information & Regulatory Decal Package with FMCSA. Specified in Notes
Decal Opt 2-Decal Location:	Standard Application
Decal Opt 3-Decal Installation:	Standard Application
Conspicuity Markings:	Hyundai standard conspicuity with logo applied to side panels
License Plate:	Temporary for Delivery. Fasten on SUS Mounting Plate
License Plate Bracket Installation:	Standard Install Location – Roadside below sill pane
Furnish Document Holder:	Factory Furnished
Document Holder Detail Spec:	(1) Trucklite 97960
Document Holder/Manifest Loc.	Overlaid on Lower R/S Front

PAINT/FINISH

Upper Coupler Finish:	Stainless steel – forward section with black undercoating inside of upper coupler
Crossmember Finish:	HDG: ALL Steel crossmembers including hat C/M, L/G & Bogie area (Except any aluminum)
Axle & Components Finish:	Black Undercoating
Suspension 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 Under-Ride Finish & Spec.:	Hot Dip Galvanized
Rear Under-Ride – Paint color:	None (For Galvanized or Stainless Steel)

MISCELLANEOUS

Mud Flap Provider:	Factory furnished mud flaps
Mud Flap Specification:	24” x 30” white plain plastic with Hyundai logo
Mud Flap Loc.:	Suspension Frame
Mud Flap Mounting:	STD location with HD Washer Retainer

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