



ThermoTech^{TL}



ThermoTech^{SP}

LIGHTER. DURABLE. SUSTAINABLE.

Hyundai Translead's ThermoTech[®] Refrigerated Trailer design leverages more than 30 years of transportation engineering ingenuity. Available in the ThermoTech^{TL} and ThermoTech^{SP} model, each model can be built to your specific needs.

The ThermoTech^{TL} is designed for the truckload carrier to be lighter and durable as well as long lasting. The ThermoTech^{SP} is designed for heavier operations such as grocery and dairy.





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Roof Sheet



Corrugated roof sheet reduces stress between the foam bond and aluminum skin during thermal expansion.

Forward Crossmembers



The use of a common end plate reduces the weight of the trailer by eliminating one crossmember yet adding additional strength.

Multi-Temp Configuration



The ThermoTech SP model can be configured with multiple evaporator units for multi-temp operations.

Side Doors



Side doors can be configured on one or both sides of the trailer based on your specific needs.

STANDARD FEATURES

- Aluminum roof bows and side posts.
- Versitex VR2 0.065" liner on sides, front, doors, and ceiling
- Bulitex sub floor, .025" thickness
- Aluminum duct floor, 1-1/4" thick, 16,000 lb rating
- One piece corrugated aluminum roof sheet.
- Stainless Steel rear frame.

STANDARD SPECIFICATIONS

GENERAL

Length	Exterior: 53' 0"	Interior: 52' 2"
Width	Exterior: 102.36"	Interior: 97.4" lining to lining
Height	Exterior: 13' 6"	Interior: 105.5"
Capacity	65,000 GVWR	3722 cu. ft. of interior volume
Tare Weight	12,550 lbs	

BODY CONSTRUCTION

Side Sheets	Flat .040", pre-painted white aluminum side sheet.
Side Posts	Extruded aluminum "Z" side posts on 12" centers nose through support gear and 24" centers support gear to rear of trailer.
Roof	One-piece .032" thick aluminum, tension leveled prior to installation. Special corrugated roof sheet design allows roof to expand and contract without foam delamination or structural weakening of roof.
Roof Bows	Extruded aluminum I-beam on 32" centers pre-bonded to roof sheet.
Front Wall	Stainless steel front impact plate and pre-painted .040" white aluminum sheets with 6.00" radius. Large opening refrigeration unit bracing.
Rear Frame	Stainless steel rear frame including corner posts, hinge butts, door header, and rear sill. Stop/tail/turn signals are fully recessed in the rear sill. Hot dipped galvanized hi-tensile steel bolt-on under-ride protection.
Rear Doors	Extruded aluminum frame type swing doors with dual durometer seals and .040" pre-painted white aluminum outer sheets. One easy-operating anti-rack lock rod per rear door. Lockrod handles are fitted with rubber grips for operator comfort and safety. Four heavy-duty extruded aluminum hinges per door are provided.
Lining	Sides: .065" Versitex VR2. Front: .065" Versitex VR2 Rear Doors: .065" Versitex VR2 Ceiling: .065" Versitex VR2
Insulation	Injection foamed urethane insulation. Sides, floor and roofing 2" thick. Rear door 3" thick. Front wall 4" thick.
Refrigeration	Heavy duty mounting frame and bracing provided for large opening nose mounted unit.

ELECTRICAL

Lights & Wiring	Truck-Lite Model #33 side clearance lights, #33 LED rear header, #40 series stop/tail/turn lights and #60 series mid-turn signals. Sealed and internally grounded wiring harness with color-coded wiring, roadside mounted 7-way electrical connector, split pins and no circuit breaker.
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SUSPENSION

Suspension	Hendrickson Vantraxx HKAHT40K Air Ride
Wheels	Steel hub piloted disc wheels 22.5" x 8.25" with outboard mounted brake drums.

Tires	Low profile 22.5 (G) radial tires.
Axles	Five inch round, 22,500 lb. rating, 77-1/2" track.
Brakes	Non-asbestos lining 16.5"x7" quick change type, "S" cam operated automatic slack adjuster.
Wheel Ends	Stemco Platinum Performance.

UNDERFRAME

Crossmembers	Five inch deep extruded aluminum I-beams on 12" centers from the end of the upper running gear rails to the support gear. Three inch deep hi-tensile aluminum I-beam cross members on 12" centers between the upper coupler and support gear. Four inch steel, 80,000# yield I-beams on 12" centers over the support gear and the upper running gear rails. Two additional I-beams are added in the last 4' of the trailer for additional impact resistance to severe loading conditions.
Upper Coupler	Four inch deep with stainless steel front approach apron. A 1/4" thick approach plate and 1/4" thick top and bottom main beam plates. King pin is A.A.R. rated.
Floor	Extruded aluminum 1-1/4" high duct type. Rear gutter is flush with top of floor. Last 4' of floor is reinforced for fork lift use with extruded aluminum inserts and a 43" deep x 96" wide composite bearing sheet. Two inch deep Apitong hardwood floor sills.
Landing Gear	Two speed, 50,000 lb. capacity, A.A.R. rated with 10"x10" sand shoes. Roadside crank handle. Fully Hot dipped galvanized inner and outer landing gear legs, wing plate and mounting bracket and bracing.
Scuffband	Ten inch high extruded aluminum, recessed, foamed in place.
Underride Guard	Per CMVSS 223 Regulations High Tensel Steel. Bolt-on type with special 4" square tube, hot dipped galvanized with recess for conspicuity tape with end cap to prevent slippage

PAINT & FINISH

Paint	All carbon steel parts abrasive blasted and coated with zinc rich epoxy primer. Exposed steel parts coated with a rust preventative topcoat. A second coat of enamel primer is applied and a gray enamel topcoat is applied to chassis and support gear. Pre-painted white steel disc wheels.
Undercoating	Crossmembers pre-coated with black color coatings prior to installation. Landing gear and running gear areas painted with gray non-hardening rust preventative.
Decals	D.O.T. approved conspicuity tape and FHWA inspection sticker.
Miscellaneous	Truck-Lite P/P 97960 registration cardholder on front wall. White mud flaps with Hyundai logo. Mounted on rear of slider subframe.
Warranty	Limited five year warranty.

All dimensions are nominal. Consult factory for special options available. Specifications subject to change without notice.