



Composite



LIGHT. STRONG. SIMPLE.

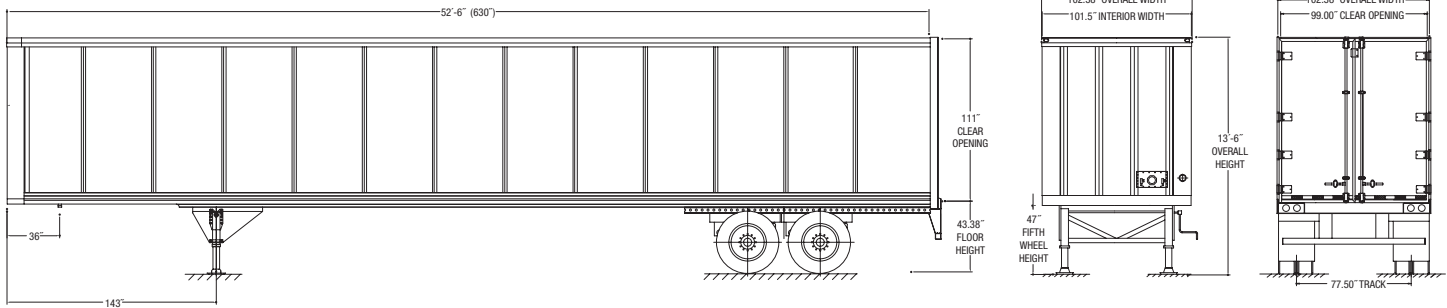
The Hyundai Composite is constructed with durable composite plate sidewalls and steel logistic slotted stiffeners. No single sidewall material can be lightweight while providing the same amount of strength.

For maximum ease-of-repair, the Hyundai Composite sidewall design allows for simple and rapid individual side panel replacement without having to remove the stiffeners, resulting in less downtime and increased utilization. In addition, the sidewall panels are fully recyclable.





Composite



STANDARD FEATURES

- Logistic slotted stiffeners standard
- Easiest reparability of sidewall panel
- Sealed wiring harness with internal ground
- Hot-dipped galvanized steel rear frame and rear underride guard
- Easy operating door lock rods with rubber handle grips for operator comfort and safety
- Water and debris resistant tail light housing
- Computer controlled machine riveting of sides and roof

SPECIFICATIONS

GENERAL

Length	Exterior: 53' 0"	Interior: 52' 6"
Width	Exterior: 102.36"	Interior: 101.50" at floor
Height	Exterior: 13' 6"	Interior: 110" front to back
Capacity	68,000 GVWR	4,095 cu. ft. of interior volume
Door Opening	110" Height	
Door Opening	99" Width	
Tare Weight	13,750 lbs	
AIAG Floor Rating	20,000 lbs	

BODY CONSTRUCTION

Side Sheets	.25" Composite panel with prepainted white, High tensile galvanized steel inner and outer sheets.
Side Stiffeners	19GA High tensile galvanized steel on 48" centers.
Roof	One piece, .040" thick, full width aluminum sheet, tension leveled prior to installation.
Roof Bows	16GA Galvanized steel, anti-sag, on 24" centers.
Front Wall	Four hi-tensile, hat shaped, posts securely fastened with 6 heavy-duty fasteners and reinforced with a special angle clip, welded to the upper coupler and covered with .050 aluminum front sheets.
Rear Frame	Hot-dipped galvanized, hi-tensile steel construction 3/16" thick with low profile header, tube shaped posts. Forged steel angle irons in top corners for added rack resistance. Lights recessed in rear sill with heavy-duty protection bars.
Rear Doors	Composite panel, swing door.
Interior Lining	Exterior grade 50" plywood installed on bottom and .25" plywood installed on top over front wall, none on sidewalls.

SUSPENSION

Suspension	Hendrickson air ride.
Hub & Drums	Ten stud, hub piloted with outboard mounted brake drums.
Wheels	Pre-painted white 8.25x22.5 steel disc.
Tires	Low profile 22.5 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.
ABS System	Two sensor, one modulator valve (2S/1M) system, no diagnostics tool. PCL4Trucks compatible system.
Oil Seals	Stemco Platinum Performance.

UNDERFRAME

Crossmembers	Four inch deep, hot rolled steel I-beam, 80,000 psi yield strength, located on 12" centers.
Upper Coupler	A.A.R. rated king pin, 3-3/8" deep.
Floor	Laminated Oak 1-3/8" nominal thickness with three screws per floorboard.
Landing Gear	Fully hot-dipped galvanized inner and outer legs, wing plate, and support gear bracing mounted to five crossmembers. Two speed, 50,000 lb. capacity, A.A.R. rated, with 10" x 10" sandshoes. Roadside crank handle.
Underride Guard	Constructed per CMVSS 223 Regulations. Hot-dipped galvanized underride guard. Bolt-on type with special 4" square Guard tube with end cap to prevent slippage and recessed for conspicuity tape.

ELECTRICAL

Lights & Wiring	Color coded 12-volt sealed wiring system, internal ground, and special watertight molded connectors to accept sealed lamps.
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PAINT & FINISH

Paint	Steel front impact guard is abrasive blasted, coated with zinc rich epoxy primer and white finish top coat.
Undercoating	Flooring is pre-undercoated and crossmembers are dipped in a black color coating prior to installation. Landing gear and running gear areas painted with gray color non-hardening rust preventative.
Decals	D.O.T. approved conspicuity tape and FHWA inspection