



CIMC REEFER TRAILER INC(USA)

IN Plant:
717 East Quarry Road
Monon, IN 47959

CA Plant:
22101 Alessandro Blvd.
Moreno Valley, CA 92553

CIMC REFRIGERATED TRAILER CO.,LTD(CANADA)

ON Plant:
21 UBE Drive unit #2,
Sarnia ON N7W 1B6

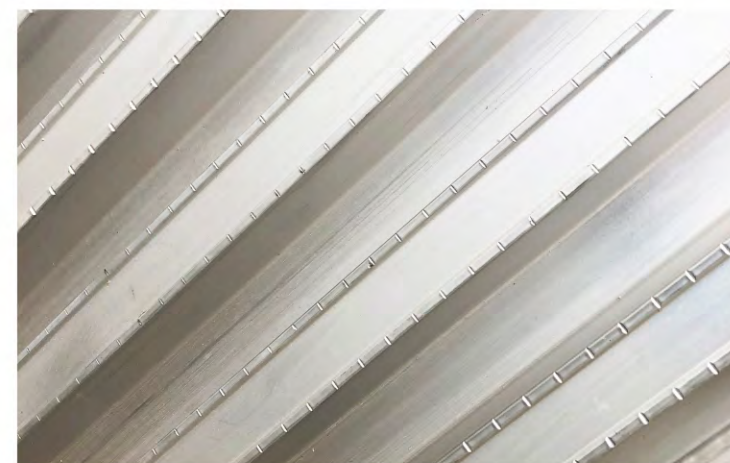
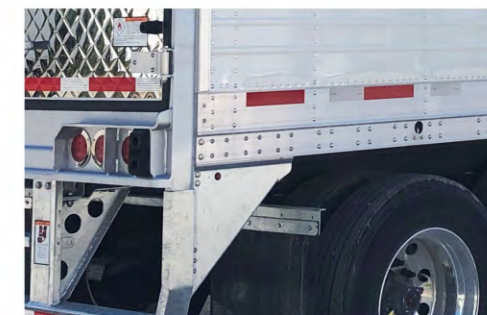


DRIVING NEW VALUE, MOVING THE WORLD



Heavy Duty Structure

- Unique design of 12" high base rail
- Double plate at rear interior sidewalls
- Durable design of landing gear and rear frame
- Hot dip galvanized rear bumper with outboard reinforcement
- Heavy duty duct floor
- Automatic welded upper coupler plates



Super Light Weight

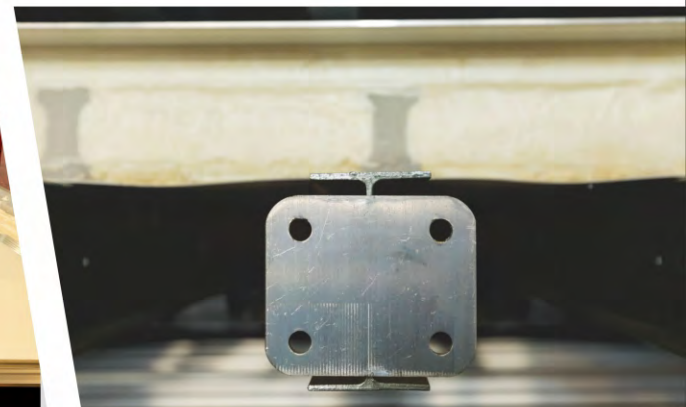
Advanced production process utilizing state-of-the-art manufacturing and tooling
Innovative integration of steel, aluminum and composite materials
Design optimization for the higher strength-to-weight ratio





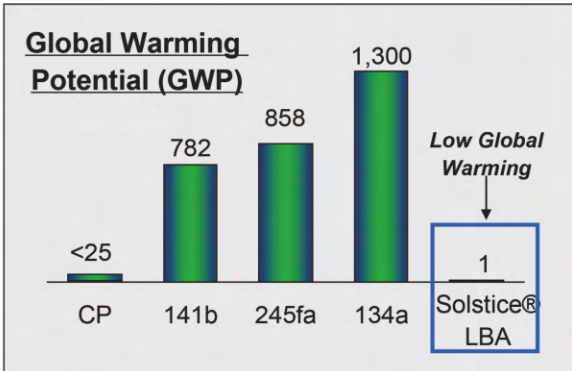
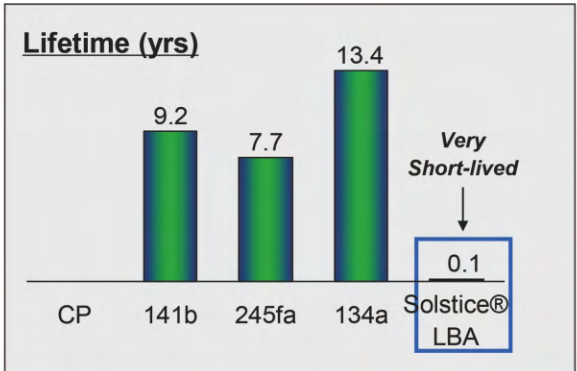
Superior Thermal Performance

- Environmentally friendly LBA foaming agent
- Superior insulation foaming technology
- Double seal of refrigeration opening
- Triple-seal rear doors
- Unique technical design to reduce heat bridge



Environmentally Friendly Vanguard

Continuous reduction of carbon emissions in insulation materials
 No Volatile Organic Chemicals used in manufacturing process



FLAMMABLE	NOT FLAMMABLE
• Cyclopentane • 365mfc	• 141b • 245fa • 134a
Higher Cost	• Solstice® LBA

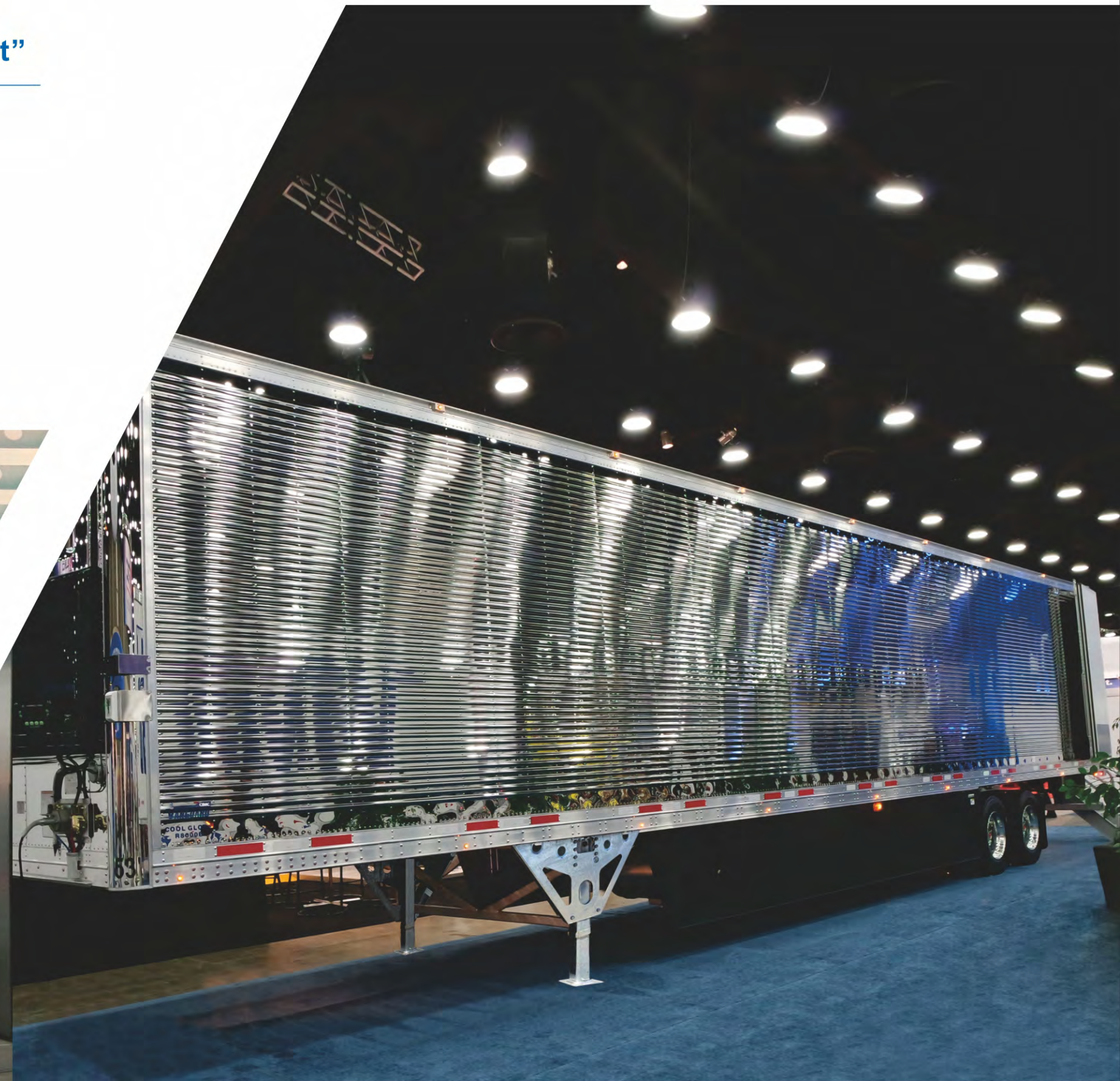
VOC/ High POCP	NOT VOC/Low POCP
• Cyclopentane	• 141b • 245fa • 134a • 365mfc
Permitting Issue Higher Cost	• Solstice® LBA*



Exquisite Appearance

“Quality and advanced design are apparent at first sight”

- Anodized stainless steel rear frame
- No exposed rivets on the interior
- Straightest walls in the industry
- One piece cove molding without rivets
- All hot dip galvanized steel crossmembers



Standard Features



One piece cove molding without rivets



Hot dip galvanized rear bumper with outboard reinforcement



Integrated wing plate with reinforced K-bracing



12" high side bottom rails



All hot dip galvanized steel crossmembers

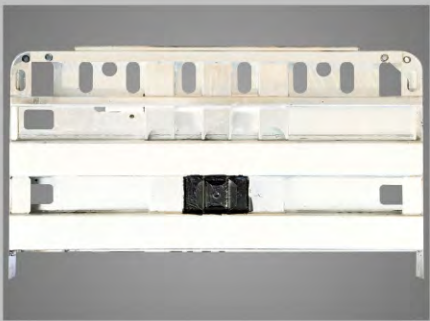


Heavy duty duct floor with safety grips



Anti-theft rear door design

Optional Features



Entire hot dip galvanized coupler plates



Stainless steel side wall



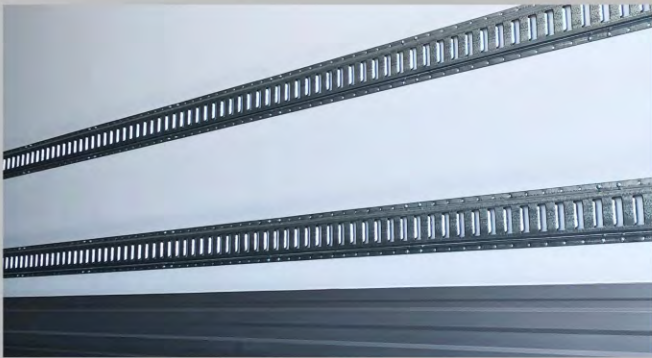
Stainless steel rear bumper



Heavy duty overhead door frame



Extruded aluminum rub rails



Horizontal E tracks



Vertical/logistics tracks for double deck

Customized Features



Multi-temp applications



Center divide system



Special Applications
Meat hanger trailer



Lift gate



Overhead door



Side door with flush design



Side ramp

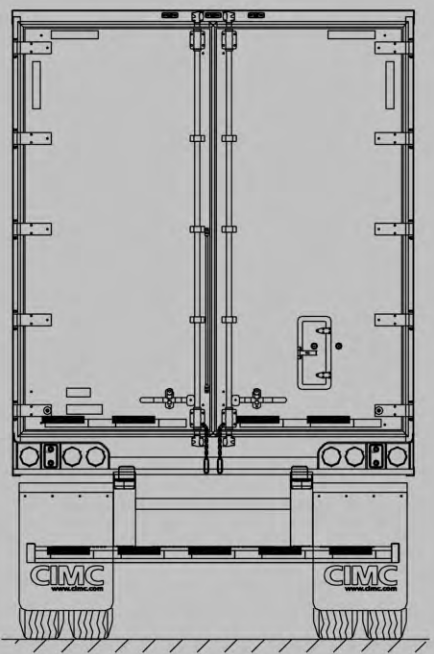
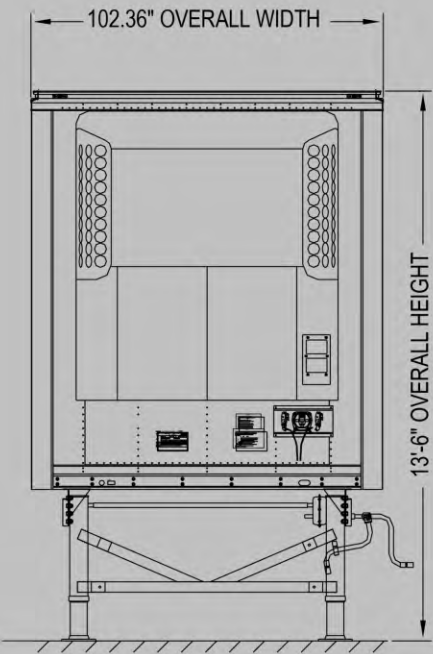
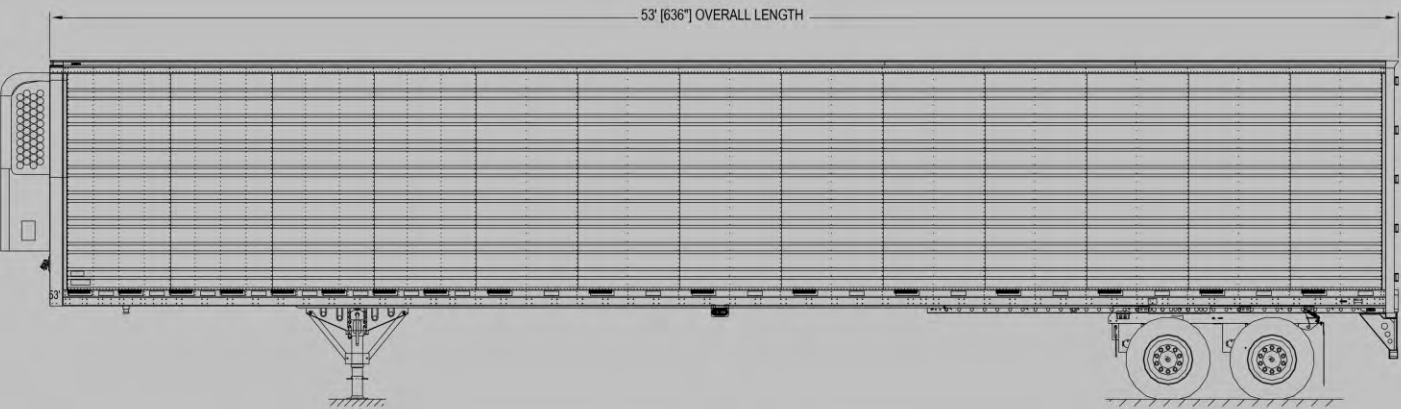


Anti dive nose leg



Rear walk ramp

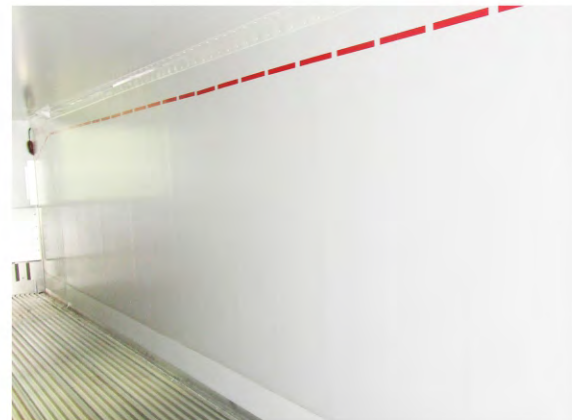
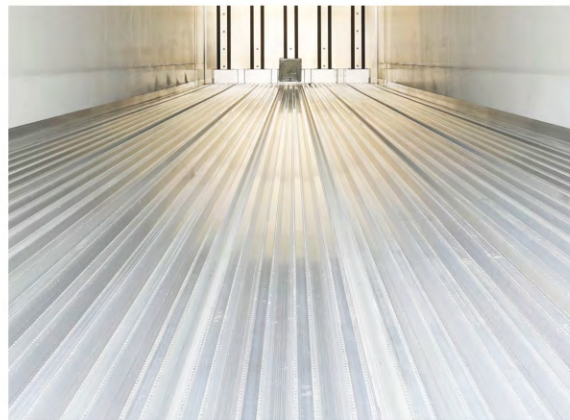
Structural Drawing of Refrigerated Trailer



New Generation of Intermodal Cooler — “3R” Re-invented / Re-identified / Re-located



PROFESSIONAL IN HIGHWAY TRANSPORT
ALSO IN INTERMODAL TRANSPORT—
INTERMODAL REFRIGERATED COOLER



Durable Structure

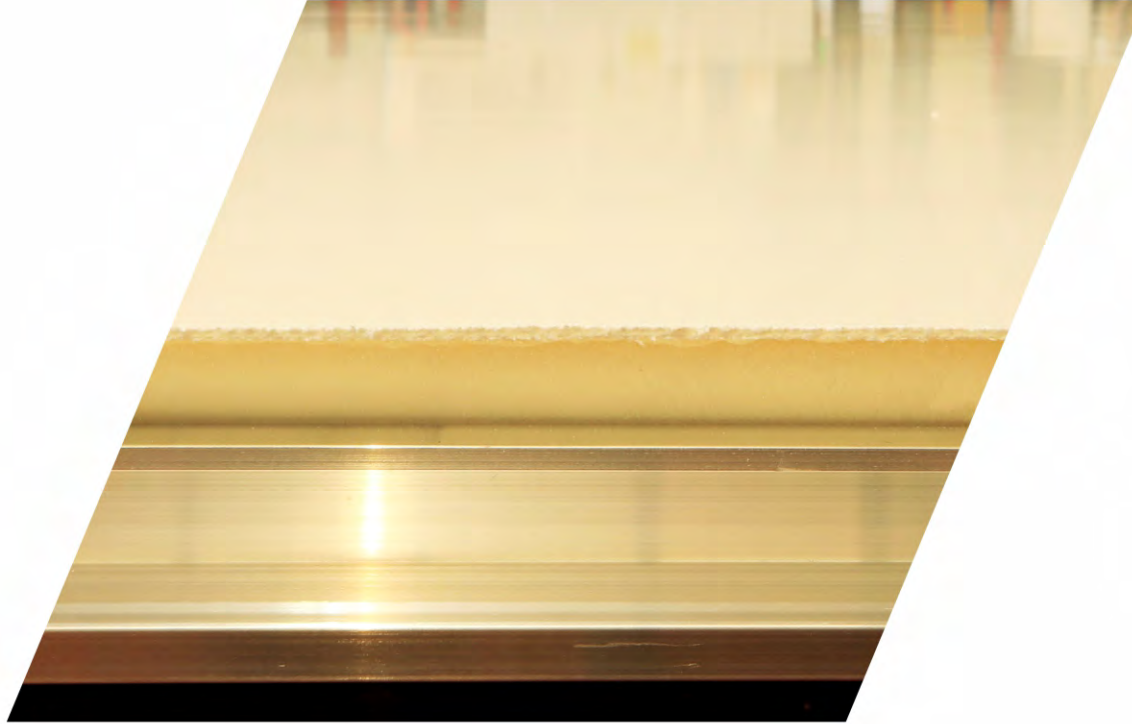
Alum nose scuff and heavy duty pallet stop with composite bumper

Floor attached to the crossmembers with screws

18K rated duct floor with safety grips

High impact resistant thermal composite scuff





Superior Thermal Efficiency

- Environmentally friendly LBA foaming agent with greater thermal efficiency
- One piece and smooth interior with NO snag point
- Innovative design to hide inside corner cap



The logo for CIMC Vanguard, featuring a stylized snowflake icon above the word "VANGUARD" in a bold, blue, sans-serif font, with "CIMC" in a smaller font above it.The logo for CIMC Vanguard, featuring a stylized snowflake icon above the word "VANGUARD" in a bold, blue, sans-serif font, with "CIMC" in a smaller font above it.

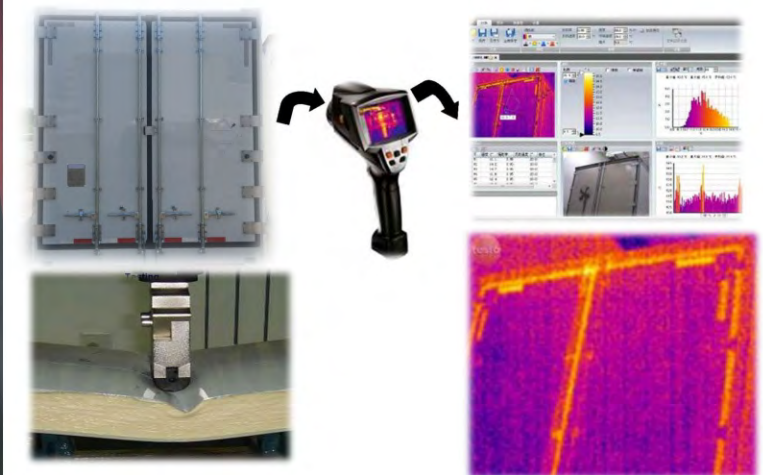
Super-lite Weight

Light weight design and simplified manufacturing process
Superior quality with state-of-the-art manufacturing and technology
Superior overall tare weight in industry

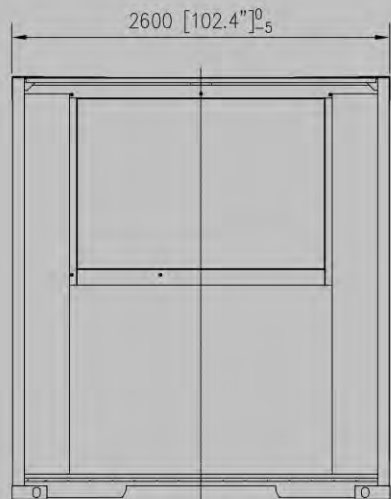
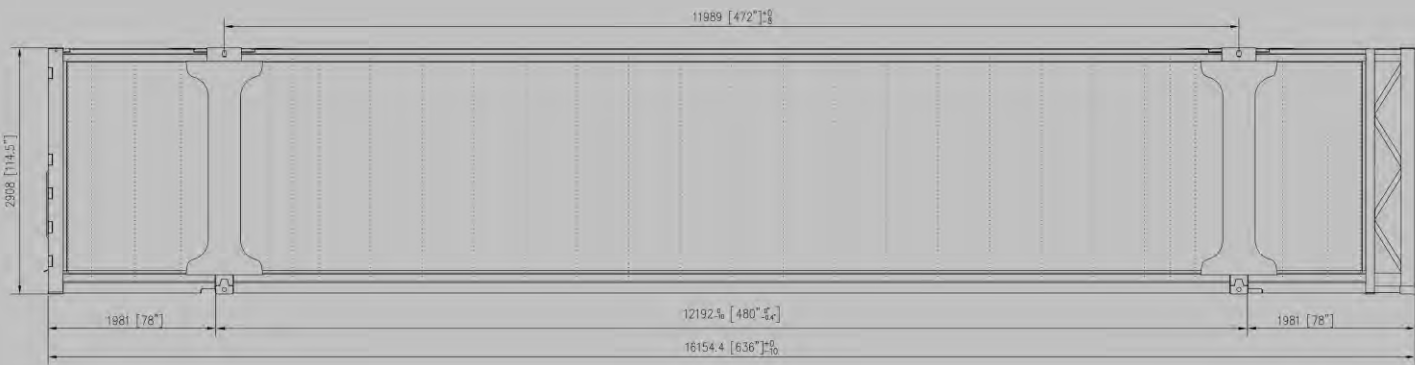


Tests Guaranty

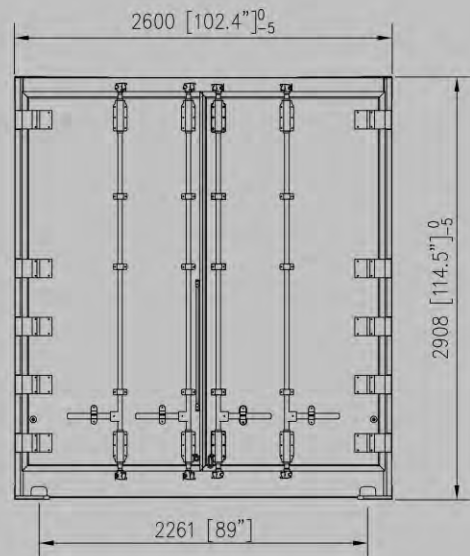
Strength tests meet AAR M-930 Regulations
Tested to industry standard for thermal efficiency



Structure drawing of Intermodal Refrigerated Cooler



VIEW A



VIEW B

General Specifications

1. Dimensions

External Length	16,154 0/-10mm (53' 0" -3/8")	Internal Length	15,365 0/-15mm (50'-5" 0/-5/8")
External Width	2,600 0/-5mm (8'-6 3/8" 0/-3/16")	Internal Width	2,470 +10/0mm(97.2" +3/8/0")
External Height	2,908 0/-5mm(9'-6 1/2" 0/-3/16")	Internal Height	2,575 0/-10mm (101.4" 0/-3/8")

2. Internal capacity

97.7m³ (3,450 Cu.ft)

3. Ratings

Max. Gross Weight	30,480 kg (67,200 LBS)
Tare Weight (excl. unit.tank.fuel)	4,580 kg (10,100 LBS)
Tare Weight (incl. unit.tank)	5,440 kg (11,990 LBS)
Tare Weight (incl. unit.tank.fuel[120gal])	5830 kg (12,850 LBS)
Max. Payload (with 120 gal fuel)	24,650 kg (54,350 LBS)
All dimensions are nominal and weight estimates are within ±3%	

4. Insulation

Item	Thickness	Density
Roof	4.25"(108mm)	36kg/cu.m
Side walls	2"(50mm)	36kg/cu.m
Front wall	3.5"(89mm)	36kg/cu.m
Door panels	3"(76mm)	36kg/cu.m
Floor	2.5"(63.5mm)	36kg/cu.m

5. Thermal Efficiency

Umax = 59kcal / °CHr (130.5 BTU/°F Hr) at the mean wall temperature 283K (10°C).
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Mission

Providing superior and reliable transport equipment and service for logistics, bringing good benefits to customers, and creating sustainable value for the society

Vision

To be a global leading enterprise in the industry

