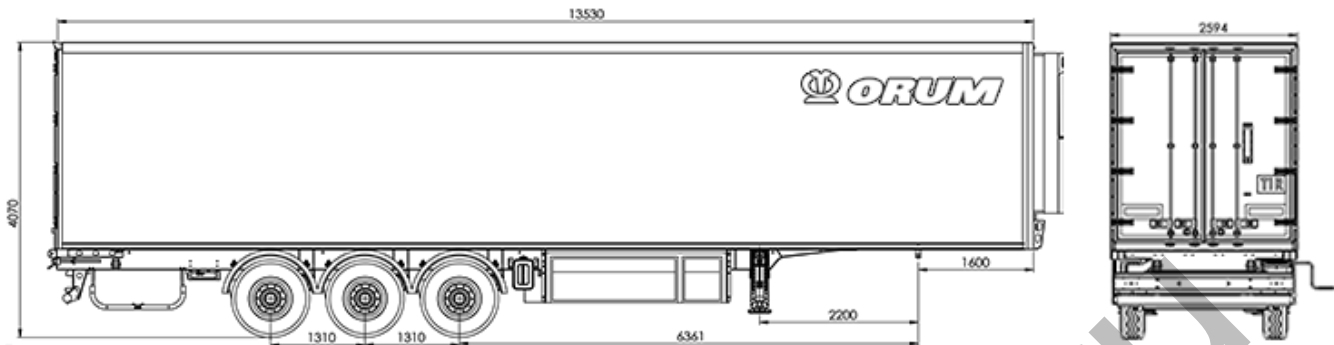


Refrigerated Semi Trailer - 3 Axle



Refrigerated Semi Trailer:



This type of trailer is used to carry all of the packaged items that their transportation requires to comply with specific temperature conditions. As the temperature can vary from ambient temperature (25°C) to (-40°C) in this trailer, various types of products are transported with it. Such as: food, vegetables, fruits, medicines, chemical and pharmaceutical ingredients, meat, fish and other frozen products (ice cream, etc.). The required refrigeration is provided by the coolant unit installed in front of the box and an independent diesel engine is responsible for operating of this unit individually. A thermostat inside the box causes the temperature to be in the required range so it turns on and shuts off the unit in appropriate times.

Energy Consumption:

The uniform distribution of temperature in this application is of a great importance. Therefore, the use of a polymer tunnel for conducting refrigerated air flow is crucial. In addition, if the shipments are packed on pallets, their cooling/freezing conditions are more uniform and therefore their quality is maintained better during transportation. This trailer is designed and constructed so that hygienic cleansing of its box is easily done. One of the challenges in this type of application is using fossil fuel (diesel) in the cooling unit engine. The environmental pollution caused by this engine has led most of top companies to focus their efforts on optimizing fuel consumption of these engines and at the same time reducing the heat transfer from the box body. ORUM is manufacturing the most quality refrigerated trailers in the country including the most modern cooling units and best panels in the box.

Accessories:

- Front lift axle as Automatic
- Holder for fire extinguisher
- Aluminum ladder (2.5 m)
- Rear door stopper
- A 60 Lit Water tank Mounting
- Trailer park lock system
- 2 toolboxes
- Plastic Chock
- Fix rear bumper
- Galvanized spare tires holder
- 6 semi-circle mud guards and 2 Wheel chocks
- A 3-step sliding ladder

Options:

- Customized Spare Tires and rim, motor and compressor
- Holding standard and certificate of welding inspection and dimensional control

Technical Specifications:

- Chassis Construction: Chassis and other metal pieces are made of high-strength steel (S500MC) with special fixture automatic Co2 argon welding machine.
- Body Construction: Side walls, front and roof one-piece special insulated sandwich panel (polyurethane made in Germany) duplex Aluzinc prepainted sheet (sheet thickness exterior 0.8 mm and interior 0.5 mm, top coat 25-micron polyester paint and special primer undercoat); special aluminum track holder profiles (interior and exterior) / aluminum profiles with rivets.
- Walls: front wall: 100 mm reinforced for thermo king connection and thermo king shield * Roof: 100 mm reinforced for thermo king protector * Side wall: 60 mm * floor: 150 mm with foreign prepainted under flooring sheet and aluminum railings raised access floor for air flow from under pallets.
- Rear door: double barns with 2 hinges and 4 lockers, solid stainless steel and thickness of rear door 80 mm with P.V.C insulation and special Tires
- Braking System: EBS System (Electrical Anti Block Brake System) with RSP (Roll Stability Program) Disk and Drum, Knorr ® / Wabco ®(Germany) Two double acting diaphragm brake chamber per axle .
- Suspension and axles: 3x9 ton EU Standard disc brake or drum brake, front lift axle
- Painting: Shot blasted, according to SA2/5 and washed by special material, painted with a layer of epoxy primer and of polyurethane final coat
- Electric System: 7 and 15 Pole quick release connector, Austrian Pair of 24 volts rear light, side light and alarming system from Aspock with LED Type.
- Landing Legs: Static Capacity 50 Tons & Dynamic Capacity 24 Tons (SAF) Germany
- King pin: A flange type 2 Inch SAF king pin made in Germany
- Axle/ Suspension: axle with balloon air suspension system with special shock absorber Lower and Rise Capability of Trailer
- Tires: 6 pieces 385/65R22.5 (with manufacturer's guarantee)
- Rim: 6 single-piece rims 22.5 × 11.75

©<https://orumtrailer.ru>