

REFRIGERATED BODY SEMI-TRAILER



ITALIAN TECHNOLOGY IN REFRIGERATED MODELS



Our refrigerated panels are sandwiched panels made of high density Polyurethane materials.



Light



Due to their low coefficient of heat capacity, they have a high degree of keeping coldness inside the panels.

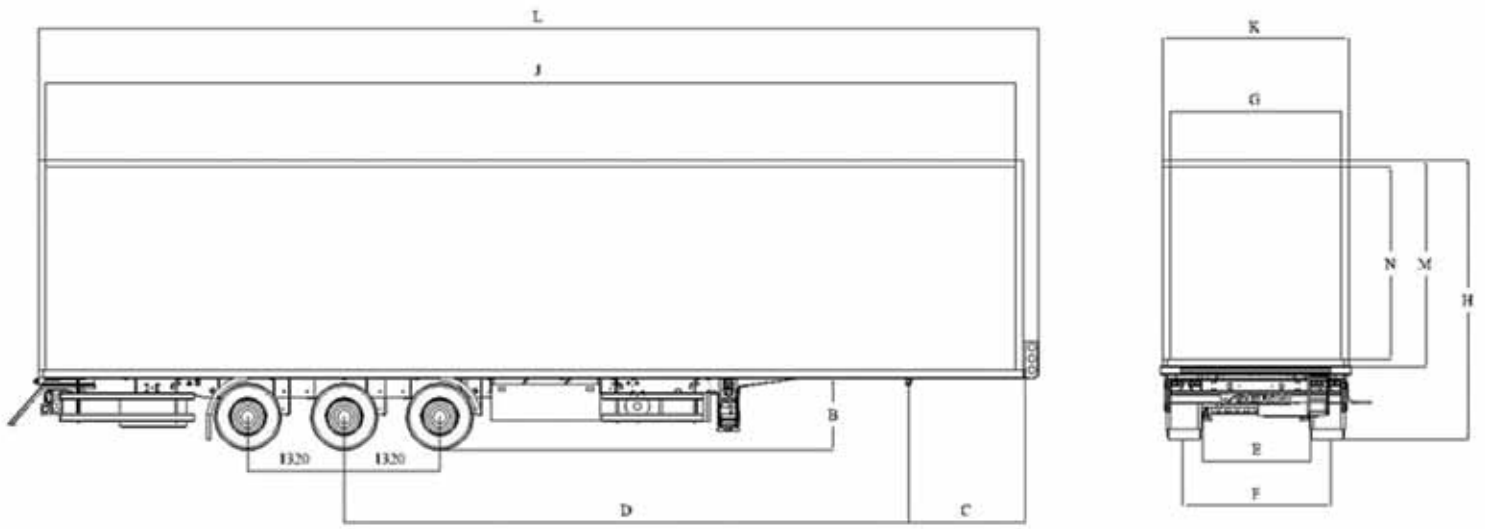


Coefficient of heat transfer is 0.313 W/ mK

 **REISTREYLER**

 **IFAC**

REFRIGERATED BODY SEMI-TRAILER



TECHNICAL SPECIFICATIONS

Volume (m3)	Recommended 5th Wheel Height (mm)	Distance Between Front and King Pin(mm)	Distance Between Axle and King Pin (mm)	Overall Height (mm)			Overall Width (mm)				Overall Length (mm)	
				Body			Chassis cntr	Tire Cntr	Inner	Outer	Inner	Outer
				Out	In	Out						
B	C	D	M	N	H	E	F	G	K	J	L	
92	970	1600	7758	3000	2800	4000	1200	2056	2480	2600	13370	13550
89	1100	1600	7758	2900	2700	4000	1300	2056	2480	2600	13370	13550
86	1200	1600	7758	2800	2600	4000	1300	2056	2480	2600	13370	13550

Specifications of refrigerated Box Semi-Trailers:

- Axles.....: Drum or disc type axle with 3*9000 kg carrying capacity (SERIN, BPW or SAF Brand)
- Chassis.....: High strength I profile steel SERIN brand chassis fabricated with automatic welding techniques and that complies with 98/91 EEC Standards.
- Brakes.....: Equipped with braking system that has automatic load adjusting valve (cornering safety system) and that complies with 71/ 320 EEC and 2002/78 EC Standards.
- Wheels and Tires.....: 6+1 385 / 65/ R 22.5 tubeless tires with 22.5 /11.75 steel wheels.
- Lifting axle.....: Provision of a lifting front axle that prevents tire wear and simplifies turning maneuverability
- Mechanical Landing Gear.....: Double Speed JOST Brand mechanical landing gear with 24 Ton carrying capacity
- King Pin.....: 2" Flanged type JOST brand King Pins that comply with 94/20 EEC norms.
- Air suspension.....: Provided with height adjusting system and Shock absorbers to limit movements of the parabolic Z springs and axles

PROPERTIES AND ADVANTAGES OF OUR REFRIGERATING PANEL PRODUCTS

- * Our panels are of sandwich type made of high density polyurethane materials. The panels have been pressed hermetically (full sealed) on the basis of wet on wet style.
- * The rear frame made of AISI 404 stainless steel is inserted into the panels during operation, thereby forming a single part. In this way, no rivets are used; and even if a long period has past, the rear frame never separates from the panel.
- * They have low weight, (light)
- * Due to their low heat capacity, the panels can keep the inner temperatures very low. The Refrigerated unit consumes little fuel hence helps considerable , saving in the fuel consumption.
- * The reinforced refrigerated box floor is robust enough to handle the designed loads perfectly
- * The panels are incorporated with polypropylene tubes to achieve electrical installation. In this way no water (in case of rain) can penetrate the box.
- * These products are available at a diverse range of dimensions (i.e. 50, 60, 80 and 100 mm thickness) and accessories to satisfy customers.
- * In case of accident, it is possible to replace just one door or any other section of the box (e.g. rear door, roof or floor)
- * The pallet bands (supports) located into the panels help with reinforcing the box.

PANEL DIMENSIONS:

FLOOR: 100 mm
 REAR DOOR: 80 mm
 FRONT WALL: 100 mm (Attached with the Cooling Unit)
 ROOF: 100 mm (Rear section reinforced and provided with air ways)
 SIDE PANEL: 60 mm

ENERGY DATA: Heat Transfer Coefficient, 0.313 W/m2K

30 °C	0 °C	17391 W
30 °C	10 °C	13326 W
30 °C	20 °C	9300 W



TSEK



SERIN OTOMOTIVE SANAYI VE TICARET LTD.

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