

BEST LOADING PRACTICES

A VERY IMPORTANT LINK IN THE COLD CHAIN

Carrier TRANSICOLD

LOAD PROPERLY

BEFORE LOADING

DEFROST
Properly defrost your TRU.

CLEAN THE EQUIPMENT
Especially the interior: walls, roof and floor.

PRE-COOL THE BODY
When possible, pre-cool the body on standby mode to reduce noise and CO_2 emissions.
Do not leave the vehicle unattended during pre-cooling.



Clean the body



Check the condition of strip curtains

GOODS TEMPERATURE
Goods must be at the right temperature before loading.

PARTIAL LOADING
Use movable bulkheads to limit compartment size in case of partial loading.

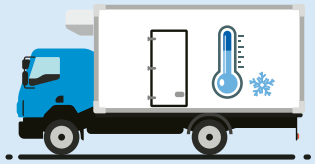
STRIP CURTAINS
To limit the flow of cold air to the outside, use strip curtains and make sure they are not too old and with a proper length down to the floor.

Maintain
the temperature of cargo from -25°C to +15°C in all weather conditions

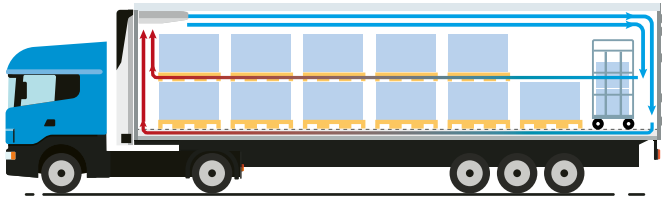
DURING LOADING

RESPECT CORRECT TEMPERATURE
Products should always be loaded from a refrigerated loading bay in order to maintain the correct temperatures. The set point doesn't need to be at -26°C if only -18°C are required.

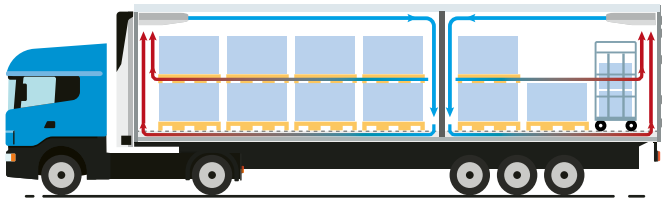
TEMPERATURE CONTROL
Perform load tests with the right materials to ensure the products are loaded in at the optimal temperature.



SINGLE TEMPERATURE



MULTI TEMPERATURE



RESPECT AIRFLOW
Do not obstruct the evaporator with the loaded goods. Make sure that **air circulation is not impeded**. Properly orientating the pallets allows the airflow to reach above, through and underneath the load.
Do not load up to the ceiling that will cause short cycling.

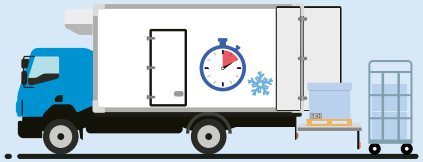
SEPARATE GOODS
Do not mix refrigerated and dry goods in the same compartment. The second compartment cannot be cooled by a fan from the first compartment for hygiene reason.

AFTER LOADING

SHUT DOWN UNIT WHEN OPENING DOORS
Cold air is heavier than hot air. Opening doors with no curtains leads warmer air to replace cooler air. Operating the unit when doors are opened may result in frost and increase energy consumption.
Carrier also offers door switches to shut down the unit automatically when loading the van, which reduces the warm air penetration into the box.



Keep doors closed



KEEPING DOORS CLOSED
Keep doors closed as long as possible.

WAITING TIME
Minimize the wait time during which the goods are on the loading dock.

PARKING
Park the vehicle in the shade.

WHAT TEMPERATURES SHOULD GOODS BE TRANSPORTED?



FROZEN FOODSTUFFS	
-20°C	Ice and ice cream
-18°C	Frozen or quick (deep)-frozen fish, fish products, molluscs and crustaceans and all other quick (deep)-frozen foodstuffs
-12°C	All frozen foodstuffs (except butter)
-10°C	Butter

CHILLED FOODSTUFFS	
On melting ice or at temperature of melting ice	Untreated fish, molluscs and crustaceans (except for live fish, live molluscs and live crustaceans)
Either at +2°C or at temperature indicated on the label and/or on the transport documents	Minced meat (and any preparations thereof
+3°C	Red offal (and any preparations thereof)
+4°C	Game (other than large game), poultry (and any preparations thereof) and rabbits
Either at +6°C or at temperature indicated on the label and/or on the transport documents	Meat products (except for products fully treated by salting, smoking, drying or sterilization)
	Pasteurized milk, fresh dairy products (yoghurt, kefir, cream and fresh cheese*)
	Ready cooked foodstuffs (meat, fish, vegetables)
	Ready to eat prepared raw vegetables (which have been diced, sliced or otherwise size reduced, but excluding those which have only been washed, peeled or simply cut in half) and vegetable products
	Fish products (except for products fully treated by salting, smoking, drying or sterilization) not listed above
+6°C	Raw milk (when milk is collected from the farm for immediate processing, the temperature may rise during carriage to +10°C)
+7°C	Red meat (and any preparations thereof) and large game (other than red offal)

**"Fresh cheese" means a non ripened (non-matured) cheese which is ready for consumption shortly after manufacturing and which has a limited conservation period.*

The above information is an extract from ATP Handbook 2021. It is given for reference purposes only, and may be overridden on the transporter or the consignee's advice. More detailed information may be obtained from your Carrier Transicold distributor.

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