

Risk Management Loading Check List

Date: _____

Steps 1 to 12

1 Proper Packaging is Essential.

Packaging should be:

- Crush-Proof
- Solid-Side for Frozen Products
- Vented-Side for Fresh Products



Pictures Taken? Yes or No

2 Pre-cool and store cargo at desired temperature to remove heat.

Confirm product is at desired temperature before loading. Refrigeration units are designed to maintain temperature, not change it.



Pictures Taken? Yes or No

3 Run Reefer Unit 20 Minutes in 'High Speed Cool.'

To remove residual trailer / body heat.

Perform Automatic 'Pre-Trip' to confirm proper unit operation. Unit 'MUST' pass test.

If Auto Pre-Trip fails: follow your company's prescribed procedures or contact a Thermo King dealer for assistance.

Pictures Taken? Yes or No

4 Set unit controller to the desired temperature.

Verify the setting after changing it to confirm that it is correct.



Pictures Taken? Yes or No

5 Select Mode of Operation.

Continuous Run or CYCLE SENTRY. Refer to most recent CYCLE-SENTRY operation and diagnosis manuals for additional details. Do not guess.



Pictures Taken? Yes or No

6 Pre-cool trailer / truck body.
To desired temperature to remove residual heat.



Pictures Taken? Yes or No

7 Turn unit 'OFF' while loading.
To minimize heat & humidity entering trailer / truck body. Verify product is at proper temperature.



Pictures Taken? Yes or No

8 Load product quickly and efficiently.



Provide adequate air circulation around and through the entire load.

Pictures Taken? Yes or No

9 Close doors and start unit.

Re-confirm Continuous Run or CYCLE-SENTRY operating mode and set-point temperature. When box temperature is below 40F, initiate a defrost cycle. This will help clear the evaporator coil and ensure maximum cooling performance.

Pictures Taken? Yes or No

10 Strip curtains.

Always recommended in distribution.

Keep conditioned air in and outside air out.



Pictures Taken? Yes or No

11 Door openings.

Minimize the number door openings and their duration.



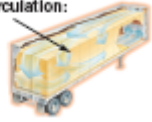
Ambient air migrates in and trailer / body air migrates out.

Pictures Taken? Yes or No

12 Proper airflow is CRITICAL.

Poor air distribution causes product deterioration, even with adequate unit capacity. Obstructions cause poor air flow and product hot spots.

Proper air circulation:
Unobstructed paths on all 6 sides of load.



Pictures Taken? Yes or No

Good airflow has 4 Key Factors:

1. Use three-way block pallets to help provide adequate air flow.



Do not obstruct floor under cargo. It prevents air from returning to the unit. Slip sheets and hand stacking are not optimal for temperature management.

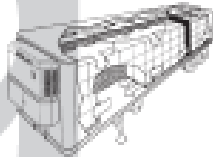
Do not install plastic wrap below top of pallet.

2. Inside of trailer / body must be clean to prevent contamination:
 - T-Floor must be free of obstructions
 - Debris can block air circulation
 - Debris can be pulled into unit, resulting in insufficient cooling.

Use loading patterns that provide adequate air space.

3. Exercise Caution!

Provide adequate air space between top of the cargo and ceiling.



Products should be loaded evenly to avoid air flow restrictions.

4. Do not block unit evaporator air inlet (return air). It restricts air flow.

Do not load product tight against unit, walls or doors.

Do not load product to ceiling. It causes air to short cycle.

Loading Check List:

	<u>Results</u>		<u>Comments</u>
<input checked="" type="checkbox"/> Product packaging should be: <ul style="list-style-type: none"> • Crush proof • Non-vented for frozen products • Vented for fresh products 	Pass	Fail	_____
<input checked="" type="checkbox"/> Pre-cool and store cargo at desired temperature 'Before' loading.	Pass	Fail	_____
<input checked="" type="checkbox"/> Run Unit 20 minutes in High Speed Cool and perform an Auto Pre-Trip to confirm proper operation.	Pass	Fail	_____
<input checked="" type="checkbox"/> Verify Set-Point temperature to ensure that it is set correctly.	Pass	Fail	_____
<input checked="" type="checkbox"/> Ensure correct selection of Continuous Run or CYCLE-SENTRY operating mode to prevent hot spots and top freezing.	Pass	Fail	_____
<input checked="" type="checkbox"/> Pre-cool trailer / body to desired temperature.	Pass	Fail	_____
<input checked="" type="checkbox"/> Verify product temperature to confirm it is at the desired temperature.	Pass	Fail	_____
<input checked="" type="checkbox"/> Turn unit 'OFF' while loading to minimize inside and outside air exchange.	Pass	Fail	_____
<input checked="" type="checkbox"/> Load cargo quickly and efficiently, minimize air circulation obstructions / restrictions. Air circulation must be unobstructed around ALL six sides of load.	Pass	Fail	_____
<input checked="" type="checkbox"/> Stabilize the load to minimize 'Load Shift' risk and resulting cargo physical damage.	Pass	Fail	_____
<input checked="" type="checkbox"/> Initiate Defrost Cycle to clear evaporator coil and ensure maximum cooling performance.	Pass	Fail	_____