

Sustainable cooling solutions:

ENERGY SAVINGS OF UP TO 30% IN TRANSPORT REFRIGERATION

CATEGORY:

Transport Refrigeration

THE CONTEXT:

The transport of temperature sensitive goods like food or medicine needs special attention. In the reefer industry optimum cargo quality is the primary objective. Offering significant energy savings with globally available low GWP refrigerants and unmatched temperature control, the Star Cool technology enables users to improve competitiveness, financial viability and environmental friendliness.

SUSTAINABLE COOLING SOLUTION:

- The goal: to reduce the CO₂ footprint in reefers while never compromising reliability and serviceability.
- The result: Star Cool reefer containers, offering the industry's lowest energy consumption and extremely accurate temperature control precisely matching capacity and temperature conditions while significantly lowering GWP of the used refrigerant.
- The integrated Star Cool controller has been developed especially for the demanding conditions encountered at sea. By perfectly matching the compressor speed to the required heat load, the controller keeps the environment inside the container optimised at all times to preserve premium cargo quality.
- The controlled atmosphere function in the container automatically adjusts the levels of O₂ and CO₂. This creates an atmosphere that keeps perishable products fresh. This prevents food loss for example



BENEFITS:

- Energy savings of up to 30 per cent.
- GWP reduction of 56 % with a non-flammable refrigerant like R513A.
- Accurate temperature control reduces cargo dehydration and weight-loss.
- Elimination of low-temperature air pockets around the conditioned cargo, which leads to a higher quality of the products inside the container.
- Low operational costs and low noise level.
- Reliable serviceability around the globe with non-flammable, generally available refrigerants.

TOPIC:

- Energy Efficiency
- Service & Maintenance
- Refrigerants

GENERAL INFORMATION

NAME OF THE COMPANY:
BITZER

CONTACT PERSON:
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HYPERLINK TO LEARN MORE ABOUT THE SUSTAINABLE COOLING SOLUTION:
<http://www.bitzer-electronics.com/home/cases/reefer-containers.aspx>

