

PrimeLINE® a Perfect Fit for Arkas Environmental and Shipping Needs



One of Arkas' container vessels passes through the Bosphorus strait, connecting the Black Sea and the Sea of Marmara.

An unwavering commitment to the environment led Turkish shipping line Arkas Shipping and Transport S.A. to acquire 1,800 40-foot containers equipped with the Carrier Transicold's PrimeLINE® refrigeration system, which leads the industry in energy efficiency.

A business unit of Arkas Holding Company, Arkas Shipping and Transport's environmental commitment is so strong that it would consider nothing less than the PrimeLINE unit with its recent acquisition, which doubled the size of its refrigerated container fleet, according to Friksos S. Rothman, assistant manager – Reefer Container Technical Services, Arkas Holding's Ardep Customs and Warehousing S.A.

"Arkas contributes to the protection of the environment by making well-directed choices. From that perspective, Carrier's PrimeLINE was our only choice – a better-performing unit that results in lower emissions related to shipboard power generation," Rothman said.

Not only was the PrimeLINE unit well suited to Arkas environmentally, but the unit's exceptional efficiency – thanks in part to its efficient digital scroll compressor – also enables Arkas to fit more reefer containers onto fleet vessels and in terminals without requiring infrastructure upgrades, according to Rothman.

"We are pleased that Arkas has been able to further enhance its environmental profile through the acquisition of these PrimeLINE units, which are expected to save enough energy over their operating lifetime to eliminate more than 62,000 tons of carbon emissions relative to industry average," said David Appel, president, Carrier Transicold. "That's equivalent to removing nearly 900 cars from the road over the same period."

Performance and Commitment

Encompassing 52 companies and over 5,645 employees, Arkas Holding, based in Izmir, Turkey, offers a wide range of services from land, air and sea, including international container shipping and port operations. Arkas today has 33 offices in 15 countries.

Arkas Shipping and Transport constitutes the core of the group of businesses, providing transport services in the Black Sea, Mediterranean and beyond. Its Arkas Line unit offers regular container shipping between ports in the Black Sea and the Mediterranean with a fleet of 27 container vessels. Arkas strives to exceed shippers' expectations from the vantage of time, safety and cost, renewing itself in response to ever-changing conditions.

While the environmental and operational benefits of reduced power consumption were the primary reasons behind Arkas' selection, the PrimeLINE unit's exceptional pulldown and ability to dehumidify down to 50 percent were key decision drivers, Rothman said.

The PrimeLINE unit offers best-in-class pulldown among all container refrigeration units, as well as best deep-frozen capability among refrigeration units using non-ozone depleting R-134a, the refrigerant most widely used by the container industry. No other container refrigeration unit provides dehumidification capability lower than the PrimeLINE unit, and none can achieve 50 percent relative humidity as efficiently.

As Carrier's Appel noted, "The PrimeLINE unit represents a continuation of Carrier's decades-long commitment to incorporating sustainability into its product portfolio, giving customers such as Arkas opportunities to increase quality while lowering carbon emissions and operating costs."

