



# Lordan Coils

## Line of Business

Manufacture of Heat Exchangers Fin and Tube Coils

## Established

1959

**L**ordan has been a manufacturer of fin and tube heat exchangers since 1959. These heat exchangers, or as sometimes referred to as “cores” or “coils” are the heart of the automotive and transportation cabin heating and cooling systems.

## The Growing Market

With the increase in the standard of living in ever increasing numbers the vehicles that were not air conditioned in the past are now getting onto



the wave of cooling and heating for all. The cool air from Lordan's coils is felt in units from street sweeping machines, to mobile homes, to tractors and busses and even military tanks!

## Expert Engineering Design

Transportation design engineers are always faced with the trade-off between fitting the size of the heat exchangers as required by thermodynamics and the compact design required by the external aesthetics of the total vehicle design. Lordan's compact design and expertise in the heat exchanger design provide many creative ways to reduce the size of the core without sacrificing performance of the unit. This thus allows greater freedom in the rest of the design.

## Custom Made

In today's market, train and bus manufacturers are forced to design individual units for a particular city. It may sound strange, but a train car designed for Barcelona cannot be reproduced and sold to Belgrade! Each city has to have designed a unique

a/c system for that cities needs. Lordan's quick development and prototype turnaround time allow the designer to dream up any innovative solution to the given parameters.

## Military Grade

In the military sphere, the western armies have realized that they may have to fight in warm climates and add heavy armor to the fleet. The efficiency of the fighting force is greatly increased with improved comfort both on the supply routes and in the battlefield. Lordan has years of experience in producing military grade equipment that is able to survive the heavy vibrations inherent in this type of product, and be compact enough to fit within the very small spaces involved.

## Design for New Environmental Regulations

If size and output were not enough of an issue for a company producing specialty vehicle air conditioners, there is the additional issue of the change in refrigerant gasses and technologies. Lordan is in the forefront of design and prototyping for any system that needs to be upgraded to the newer gasses and regulations.

## Global Distribution

Lordan's products are currently shipped to almost every country in the world, as part of some of the biggest names in transportation cooling, both for passengers and refrigerated transport. Lordan has the distinction of being one of the very few companies who have designed freezers to be sent to Antarctica. These mobile freezers are turned on in Antarctica filled with one million year old ice cores, and then take these to labs the world over for testing. These freezers are mission critical, as any small variation in the temperature of the freezer will damage the ice.

## Mission Critical Quality

Lordan knows that the units that come out of our plant must be used in the most extreme of conditions. If the air conditioning goes out in an agricultural combine this can stop the entire harvesting line, and it is not very easy to get the combine back to the shop for repairs. Thus mission critical performance is the number one criteria for Lordan heat exchangers. Lordan views its full accreditation in all ISO and UL standards as just the starting point in our continuous improvement process.



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