

FEATURE OF THE MONTH

MICROCHANNEL CONDENSER COILS

Thermo King has introduced microchannel condenser coils for truck and trailer units. These innovative microchannel coils provide superior heat exchange along with increased fuel efficiency, a reduced lifetime cost of ownership and improved reliability for greater uptime as compared to trailer refrigeration units equipped with tube-and-fin condenser coils. Plus, they're easier to clean and maintain!



Tube-and-Fin



Microchannel

Weight Reduction

The introduction of microchannel condenser coils to truck and trailer units results in a weight reduction to the units. In a trailer unit, that means 35 pounds more product that customers can add to their loads, further separating Thermo King units from the competition in terms of unit weight.

| Truck Unit(s) | Weight Reduction |
|--|------------------|
| T-570R / T-600R / T-800R / T-600 / T-800 | 14 pounds |
| T-1000R / T-1000 | 17 pounds |
| T-1000 SPECTRUM | 16 pounds |

| Trailer Unit(s) | Weight Reduction |
|-----------------|------------------|
| SB-30 Series | 35 pounds |
| 200TG | 35 pounds |
| SPECTRUM | 35 pounds |

Reduced Refrigerant Charge

The upgraded units feature a lower refrigerant charge, reducing operator expenses and environmental impact relative to trailer units equipped with tube-and-fin condenser coils. The refrigerant charge is reduced in truck units as well.

| Truck Unit(s) | Reduction in Refrigerant Charge |
|--|---------------------------------|
| T-570R / T-600R / T-800R / T-600 / T-800 | 1 pound |
| T-1000R / T-1000 | 1.5 pounds |
| T-1000 SPECTRUM | 1 pound |

| Trailer Unit(s) | Reduction in Refrigerant Charge |
|-----------------|---------------------------------|
| SB-30 Series | 1.5 pounds |
| 200TG | 1.5 pounds |
| SPECTRUM | 1.5 pounds |

Environmental Sensitivity

Additionally, the microchannel condenser coil is environmentally sensitive, as it reduces the refrigerant charge, which leaves a smaller carbon footprint. Every pound of refrigerant that escapes into the environment is the equivalent to the release 3,700 pounds of carbon dioxide. If a customer runs a truck or trailer unit with microchannel condenser coils, they save up to the equivalent of 5,550 pounds of carbon dioxide from being released into the atmosphere over the life of the refrigerant.



The micro channel condenser coils can even be recycled more easily since they feature no mixed metals, offering customers a more sustainable product.

Faster to Clean

Microchannel condenser coils require less time to clean using the same cleaning process as a tube-and-fin coil. Cleaning takes as little as one third of the time! In addition, there is less chance of damaging the fins in a microchannel condenser coil when cleaning.

The condenser coils also offer greater corrosion protection for increased performance over time.

**CONTACT YOUR DEALER TODAY
TO LEARN MORE ABOUT MICROCHANNEL COIL CONDENSERS!**

