

Jumbotron

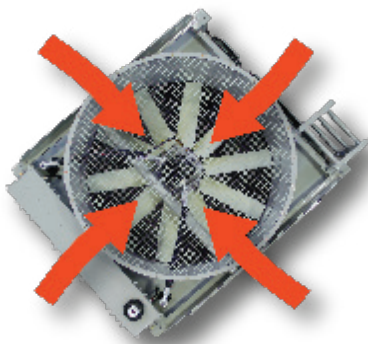
Quality and Serviceability

Jumbotrons have proven to operate successfully in climates ranging from the Canadian Arctic to the Texas heat. Since 2009, we have gone through five major redesigns all in an effort to improve product quality and longevity.

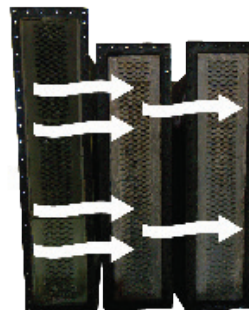
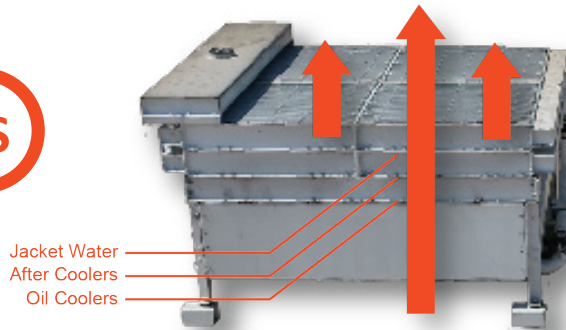
The Jumbotron Difference

- Patented Cooler Isolation Mounts allow coolers to float in steel frame.
- Patented Airflow Improvement Kit improves airflow by up to 20%, thereby increasing ambient capability.
- Patented Noise Reduction technology
- Hydraulic Installation Kit includes upgraded proprietary Hydraulic Motor with L10 bearing life of 42,500 hours, Anti-Cavitation Valve, Flushing Valve, all Hydraulic Hoses installed and run to bottom of Jumbotron for ease of installation.
- Ladder Option available.
- All Cooler Ports located at bottom of Jumbotron for quick and simple connection and disconnection.
- Access Panel in floor can be placed in multiple locations.
- Patented Motor Mount Design.
- New Expansion Tank Design.
- Each individual cooler can be removed from the frame without detaching any other. Conversely, a horizontal radiator must be drained, removed from the trailer, and broken down into individual sections to either replace or clean a section. Single Jumbotron footprint for all Tier 2 engines and the majority of Tier 4 engines.

JUMBOTRON
25,000 CFM through 6"



HORIZONTAL
100,000 CFM through 30"



A horizontal radiator blows 100,000 CFM through three sections that total up to 30" thick. A Jumbotron pulls 25,000 CFM from each of the four sides (same 100,000 total) through sections that are only 6" thick. The end result? The Jumbotron uses one-fourth of the airflow through one-fifth of the thickness.

14,000 HOUR LIFE CYCLE COMPARISON

JUMBOTRON

Maintenance Cost \$39,678
Downtime Cost \$93,335

Total - \$133,013

HORIZONTAL

Maintenance Cost \$157,292
Downtime Cost \$827,800

Total - \$985,092

JUMBOTRON SAVINGS

Maintenance Cost \$117,614

Maintenance Cost \$734,465

Total - \$852,079

ANNUALIZED JUMBOTRON SAVINGS

\$121,726

>200% Annual ROI

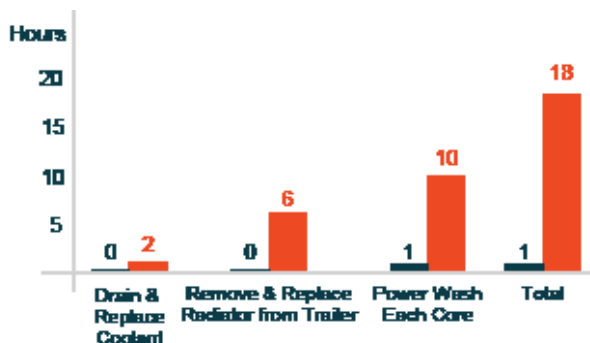
Maintenance Benefits

Cleaning Comparison

Each cooler is individually mounted to the outside of the steel frame with four to eight bolts. It can be cleaned with a pressure washer and without having to remove the radiator from the trailer. With a horizontal there is no way to clean it without draining it, unhooking the piping, removing the radiator from the trailer, sending it to a rad shop (or spend 18 – 24 hours washing it), bolting the rad back on, hooking up the hoses and filling it back up. With the Jumbotron you will never have to remove a radiator from the trailer for cleaning again.

Fouling Resistant

In a horizontal radiator 100% of the total airflow is blown through each core. This causes the cores closest to the fan to plug quickly. The Jumbotron design pulls 25% of the total airflow from 4 sides equally and discharges it out the top. This innovative design dramatically reduces the total airflow going through each core and helps reduce the fouling of the core in the field.



Horizontal Radiator Jumbotron Cube Radiator

