High Efficiency Transformer Cooling Products
ForZair™ HE Power Transformer Coolers
Forced Air, Forced Oil Transformer Coolers

Highlights:

Finish Options:
- Cabinets/Casings:
  - Hot Dip Galvanized
  - Coastal
  - C5M
- Headers:
  - Coastal
  - C5M
  - Stainless Steel

High Efficiency Fan Panel Assembly

Extruded Tube or Plate-Fin Heat Transfer Surface

Stainless Steel Hardware

Hinged Fan Panels For maintenance access

Accessible Stainless Steel Terminal Box

Transformer Coolers
Forced Air, Forced Oil Transformer Coolers

Unifin
A Wabtec company
What we can do for you!

- Standardized designs for OEMs
- Reduced top oil temperature
- Increased cooling capacity
- Eliminate oil leaks and environmental concerns
- Plug and play transformer oil pump replacements
- Plug and play replacement transformer coolers for:
  - Westinghouse
  - General Electric
  - ABB
  - Asea
  - McGraw Edison

ForZair™ Product Features

- Rugged Design
  First of many features is the standardized cooler design, which means we can manufacture and ship quickly.

- Cleanliness
  Unifin uses an advanced flushing system to achieve ISO standards for cleanliness in the transformer industry.

- Hinged Fan Panels
  Maintenance is critical to optimizing the life of a transformer cooler. Hinged fan assemblies allow access to the fin surface for cleaning.

High Efficiency Motors

The ForZair™ HE incorporates high efficiency motors.

- Meet European ErP Directive
- AC and EC motor options to accommodate a wide range of input voltages and 60 and 50 Hz applications.

The ForZair™ Run Clean Design

The Run Clean design allows for low maintenance and long running life in high fouling environments.

- Hinged fan panels allow for access to the fin surface.
  Can be applied to new OEM transformer designs or as an aftermarket end user replacement.
- Wider fin spacing.
- Plate fin or spiral fin.
- Optional fin coating.
Cardinal Pumps and Valves...

Compliment ForZair™ transformer oil coolers with exacting specifications. They are perfect running mates!

Pumps...
- Centrifugal, In-line and Axial Flow
- Extreme temperature performance
- Long Life- Low maintenance
- Precision bearings
- Optional HARLEY™ Sleeve bearings
- Optional TecSonics™ Bearing wear monitoring system
- Thermo-siphoning impellers
- Continuous duty operation
- Oil immersed motors
- Heavy duty oil valves from 2” to 8”
- Performance run-in testing
- Certified performance curves
- Rebuilt pumps for any manufacturer

Valves...
Avoid future forced Outages by replacing Valves during your Transformer outage. Replacement Valves have the following features:
- Viton Elastomers
- Strengthened valve stems
- In-service maintenance Ability
- Back-to-back lip seal packing design
Field retro-fit kits available for McGraw Edison valves.

Optional Pump Features...
Precision-Made Sleeve Bearings
Cardinal offers three bearing designs: The standard OEM sleeve bearing, the HARLEY™ sleeve bearing by Cardinal, and the HARLEY™ sleeve bearing with TecSonics™ bearing wear monitoring system.
At Unifin the cooling of Electric Machines is our only business. Every resource in the company has been directed towards research and development to acquire world leading heat transfer technology and manufacturing processes. Today, this investment has established Unifin as a global leader in the supply of:

- Transformer Oil Coolers
- Transformer Oil Pumps
- Generator Coolers
- TEWAC Motor Coolers

Global Presence
Headquartered in London, Ontario, Canada, Unifin is a global organization with locations in Canada, the United States and Asia.

Our Brands
Unifin is a global company with worldwide recognized brands in transformer oil coolers, transformer oil pumps, generator coolers and TEWAC motor coolers.

- ForZair™
- HeatSink™
- HARLEY™
- TecSonicstm
- WeatherAll

Who We Are
Service...Speed...Dependability

A World Leader

The Hottest Name in Cooling

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