



**Unifin**

A **Wabtec** company



**ForZair**<sup>TM</sup>  
**HEATSINK**  
Auxiliary Coolers

Cooling Solutions





# Instant Portable Relief



## Features:

- 1 Unifin's extruded aluminum Integral Finned Tubing to provide exceptional durability
- 2 Cardinal Transformer Oil pumps, designed specifically for transformer oil and using a glandless design to prevent leaks.
- 3 230v single phase
- 4 2-ball valves
- 5 Expansion tank
- 6 NEMA 4 control panel CSA-approved with manual disconnect switch, hand-off-auto selector, 2 Customer permissives, 1 form C alarm contact and large field contacts
- 7 Skid-mounted package on a durable frame designed for easy lifting by forklift or overhead crane.
- 8 One coat of Zinc chromate primer and enamel, ANSI 70, gray

## Options:

- 9 575 volt/ 3ph, 460 volt/3ph or 230 volt/3ph
- 10 Filter with bypass loop
- 11 Oil flow meter/display with flow switch
- 12 **HARLEY** bearings
- 13 Flexible hoses and adapters for transformer piping complete with vacuum valve
- 14 Trailer-mounted
- 15 Special paint

Wherever  
You Want It.  
Whenever  
You Need It.

From Unifin International comes **ForZair** HeatSink, a portable and highly efficient Auxiliary Transformer Cooler that can be installed on a transformer quickly to immediately reduce the temperature of its dielectric cooling oil.

**ForZair** HeatSink's strong performance allows increased overload and helps extend the life of your transformer. Plus, with its small footprint, low profile and quick-connect hoses, your **ForZair** HeatSink cooler can be transferred easily from one overloaded substation to another, providing "instant relief" wherever it is needed most.

**Increased overload.  
Extended transformer life.  
More economical operation.**

The **ForZair** HeatSink auxiliary transformer oil cooler is designed to augment cooling on any transformer. These rugged portable coolers come ready for fully self-contained operations.

**Please Note:**

The effect of the **ForZair** HeatSink Cooler on the actual transformer will vary with transformer design and will not be the same for all transformers of a given size.

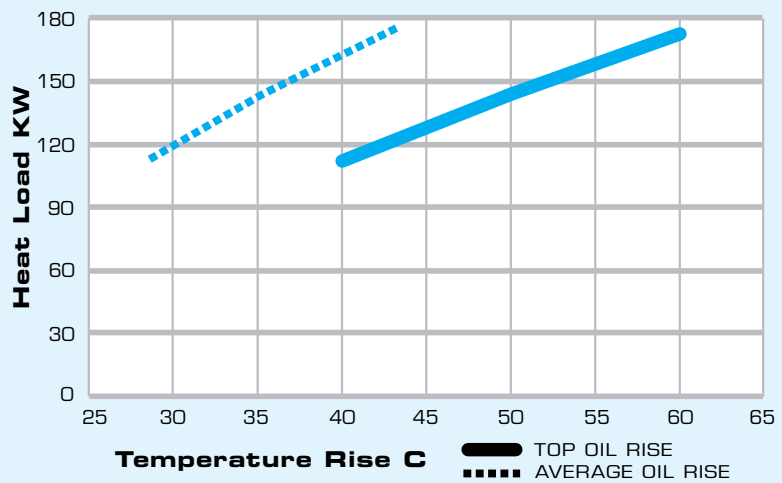
Unifin guarantees heat removal from transformer insulating/cooling oil, which general allows additional capacity, but they cannot guarantee the transformer capabilities or the transformer itself.

**ForZair™ HeatSink Performance**

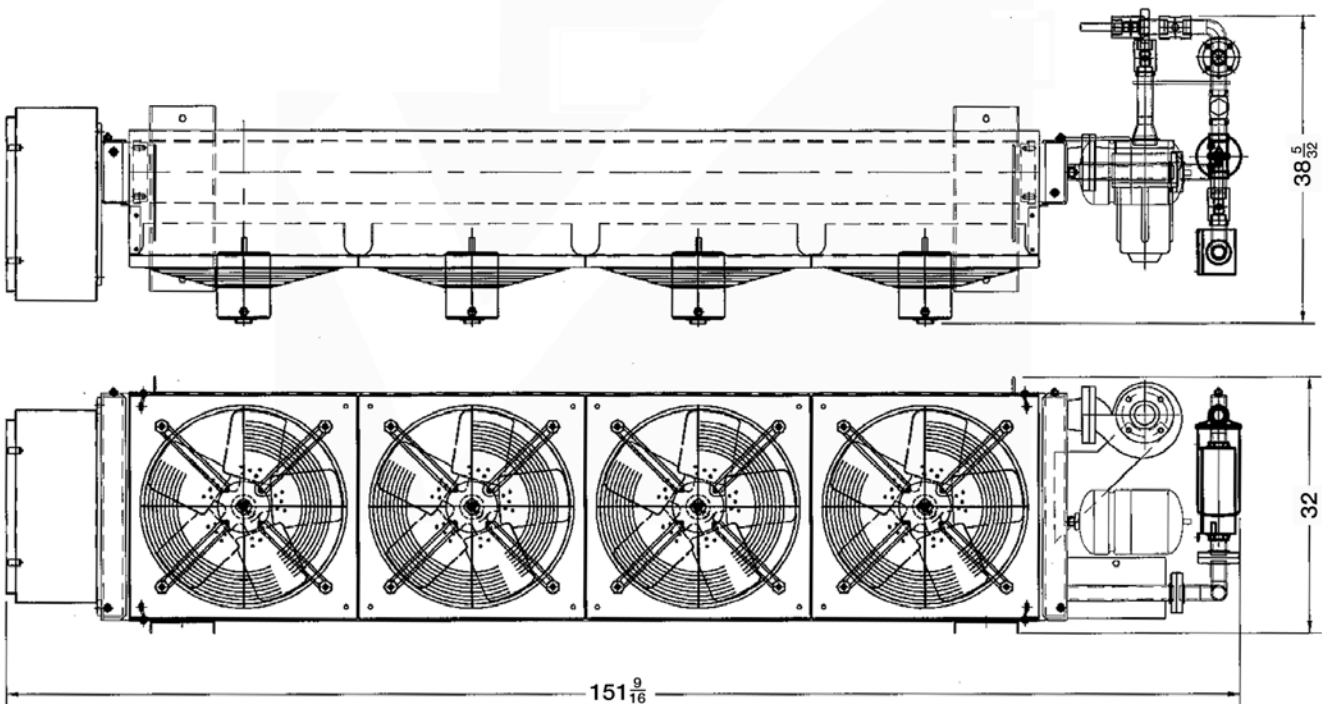
Based on the size of the **ForZair** HeatSink required for a given application when both the Heat Load (kW) and the Top Oil Rise (degree C) are known.

The Heat Load is the amount of heat that can be removed from the transformer oil for a specified Top Oil Rise (which is the Top Oil Temperature minus the air temperature around the transformer).

**PERFORMANCE OF AUXILIARY COOLER**



MODEL	FANS	WEIGHT	LENGTH	OIL VOLUME	OIL FLOW
HS4X	4	1655 lbs	152"	17.0 USG	45 USG



A World Leader

# Who We Are

Service...Speed...Dependability

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 China.

## 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™** transformer oil coolers
- **HeatSink™** portable transformer coolers
- **HARLEY™** sleeve bearings
- **TecSonics™** bearing wear monitoring system
- **WeatherAll™** power cords
- **RCP™** coolers



*The Hottest Name in Cooling*



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