



Ice Rink Solutions from Trane

Premier Ice Rink Performance

Advantages Beyond the Surface



Delivering Sustainable, Cost Effective, Quality Ice Rink Solutions

No one can offer you deeper expertise or better engineering for making ice rink arenas than Trane®. It's our mission to reduce the energy intensity of the world, and we offer cost-effective, sustainable solutions for ice rinks. Choose individual products or simplify with a turnkey rink system that's designed to your specifications. Either way, you'll have a team of experts working on your behalf to create a rink you'll be proud to call your home ice.

Whether your need for quality ice is permanent or short term, we can provide the solutions and support your needs.



Turnkey Support

Our team is ready to take action. Account managers, engineers, service technicians and installation professionals can rapidly design, transport and install components including ice rink floors and ceilings, chillers, air handlers and generators, making sure they integrate into a well-performing system.



Financing

What's the best way to finance a project? Our financing experts can help you evaluate and compare various options based on ROI, risk, capital preservation and other strategic goals. Then we'll follow through on arranging the method you choose, keeping the entire process as easy as possible for you.

Lacking upfront capital? Energy Savings Performance Contracting allows you to pay for solutions now using future energy savings that are backed by a Trane guarantee.



Service

Optimal ice rink system performance over the long-term requires dedication and expertise. Through service offices nationwide, Trane can provide service and maintenance, fast emergency response, and 24/7 remote monitoring to reduce untimely downtime.

A Solid Line-Up

Build your rink with our team of proven performers: Trane industrial refrigeration chillers, CALMAC® ice rink solutions and Opteon™ climate-friendly refrigerants.



Our Industrial Chiller, Engineered for Ice

Trane Optimus™ Water-cooled Chiller Model RTHD is an industrial refrigeration chiller that balances cost, performance and sustainability—and it's made specifically for the heavy-duty work of freezing a rink. Its helical rotary (screw) technology provides dependable, long-lasting performance in professional arenas.

- Proven compressor design, without the need for periodical rebuild
- Efficiency is comparable to most ammonia systems, but without the higher life cycle cost, toxicity or flammability issues
- Our ultra-low temperature configuration produces leaving-temperatures down to 5°F (-15°C), making it ideal for quick-freezing, high quality ice
- Meets ASHRAE Standard 90.1 for efficient operation by allowing higher lift and more capacity
- Separable components pass easily through doorways, halls and freight elevators for easier installation in new and existing buildings
- Ten (10) year warranty on parts, labor and refrigerant
- Available with Opteon™ XP10 (R-513A) refrigerant

CALMAC® IceMat® Rink Floor

Most ice rink floors are notoriously expensive, labor intensive to install and difficult to replace. Not ours. The CALMAC IceMat prefabricated modular rink floor saves thousands of dollars and prevents hours of downtime over full floor replacements. This cost-effective solution uses a heat transfer fluid (glycol or brine) solution instead of large volumes of refrigerants, and it simply rolls out over existing surfaces.

- Provides a more responsive skating surface—for quality under any conditions, including warm summer days
- New construction or renovation
- Indoor or outdoor installation
- Customizable to any rink specification
- Installed in a few days; disassembled just as quickly
- Expertly designed and professionally engineered for an outstanding sheet of ice



CALMAC® Aluma-Zorb® Low Emissivity Ceiling

Energy use can be reduced by 20 to 30 percent! Eliminate the single greatest factor behind heat gain in a typical arena. The patented Aluma-Zorb ceiling suspends over the ice surface, acting as a radiant barrier between a warm roof and the cold ice below it.

HeatMat® Subsoil Heating System

HeatMat prevents the subsoil freeze/thaw that causes rink floor heaving. When you're building an ice rink to last well into the future, HeatMat helps to maintain its performance for decades.



OFFICIAL REFRIGERANT SOLUTION OF THE NHL®

Next-generation refrigerants.

RTHD chillers use environmentally friendly refrigerants, including Opteon™ XP10 (R-513A). This featured refrigerant has no ozone depletion potential (ODP) and low global warming potential (GWP). As the official refrigerant solution of the NHL®, you can be assured it is a safer and more sustainable solution for the long-term.

More Chiller Options with Opteon™ XP10 (R-513A) Refrigerant

Trane® offers a full line of industrial ice rink chiller options to serve a wide range of performance, capacity and cost requirements.



RTWD
water-cooled chiller



RTAF
air-cooled chiller

Simple Maintenance Checklist

- ✓ Clean tubing periodically
- ✓ Check and analyze oil annually



Rental Solutions

Industry Leading. Backed by Trane® 100%.

Get permanent ice rink quality in a temporary, mobile solution. Trane provides turnkey rental solutions to build portable ice rinks and keep them running under any conditions—even intense spring sunshine and warm summer days!

- Turnkey service: Engineering assistance for HVAC and power needs, transportation, setup and teardown
- 24/7 monitoring
- Energy-efficient, cost-saving equipment
- All equipment meets or exceeds emissions regulations
- Low-noise operation
- Available with different equipment setups for ice tracks, curling rinks and hockey rinks
- Complete portfolio of temperature control and power solutions available



We rent equipment for indoor arenas, too. Contact us for temporary backup or supplementary chillers, power generators and more.

For more information, visit us at [Trane.com](https://www.trane.com) and [calmac.com/icerink](https://www.calmac.com/icerink)

Or contact us: icerinks@tranetechnologies.com

Local Service Throughout North America!

Trane is a leader in arena comfort control. Ask about our capabilities in efficient, reliable HVAC solutions for sustainable arenas.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.com](https://www.trane.com) or [tranetechnologies.com](https://www.tranetechnologies.com).

All trademarks referenced in this document are the trademarks of their respective owners.

© 2020 Trane. All Rights Reserved.

IR-SLB046-EN
09/02/2020