



TRANE[®]



Trane heat recovery solutions

Optimize your building efficiency



Free heat and reduced waste

Businesses today operate in an environment where energy costs continuously rise; at the same time productivity and environmental goals become more and more demanding. The chillers which keep your facility cool and comfortable need energy to operate. Much of this valuable energy is actually lost to the atmosphere as heat. Imagine the effect on your bottom line if you could recover part of this energy and re-use it to meet a heating requirement within your facility.



The solution

Heat recovery, part of the Trane Care Services offering, makes it possible to recover up to 65% of the energy you are using to operate your chiller.

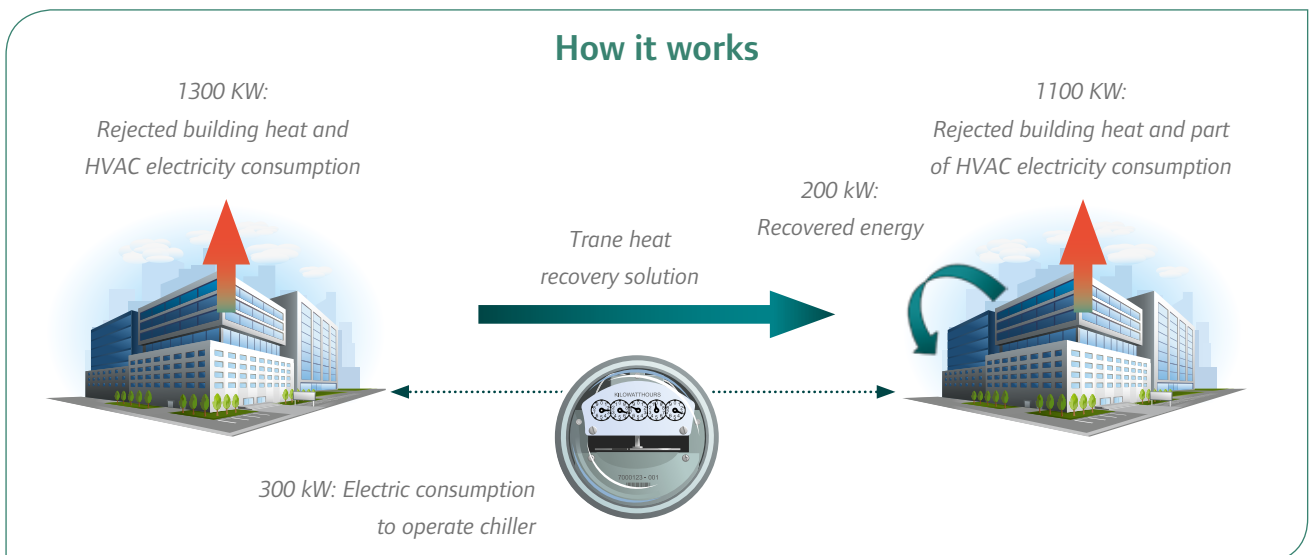
With customized solutions from Trane, both your energy bills and environmental footprint will be reduced while maintaining system performance.

How it works

Air cooled chillers create a cooling effect by removing heat from your facility. During this process, the chiller rejects the heat from your building into the atmosphere, together with the heat generated by the power the system has consumed.

The Trane heat recovery solution recovers a part of this rejected energy. A heat exchanger installed in the unit collects energy created by the chiller power input. The heat recovered is then made available to use in your facility.

The solution is easy to implement. It has been designed for retrofit on existing Trane chiller systems, without compromising their performance or reliability.



A tailored solution for rapid return on investment



Who can benefit most

Heat recovery is ideally suited to applications where simultaneous cooling and heating are required such as hospitals, hotels and commercial buildings.

Recovered heat energy is used to heat air for space heating or defrosting or to preheat water in boilers.

Return on investment

Trane Heat Recovery Solution includes a full return on investment calculation. We will run load simulations taking into account the specific requirements of your building including:

- The types of units installed
- The building profile load
- The application
- Local climatic condition

The simulations will calculate the potential savings that can be generated and set them against the installed cost of the solution. Energy saving in kilowatt hours will also be modeled to enable calculation of your potential reduction in carbon emissions.

Local regulatory authorities in many countries offer financial incentives to installations with heat recovery systems. In these cases, the return on Investment may be even more attractive.



Next steps

To discover how your facility can benefit from this simple, efficient and cost-effective solution, contact your nearest Trane sales office today.

High Performance Buildings

Your Mission. Realized.

Efficient Systems

Controls

Services

Turnkey Solutions

Services Portfolio

Trane Elite Start™



- Validate installation
- Engineering checklist for optimal start up
- Verify and record design operational parameters

Trane Select™ Agreements



- Comprehensive service agreements for HVAC systems
- Improve reliability and efficiency
- Improve cost of ownership

Trane Extended Start



- Foundation for high performance buildings
- Benchmarking baseline parameters
- Monitor and adjust system critical parameters

Trane Controls Services



- Solutions for sustainable high performance buildings
- Maintain system fitness
- Optimize system performance

Genuine Parts and Repair Services



- Comprehensive OEM parts
- State of the art logistics
- Factory authorized technicians

Trane Care™ Services



- System enhancement service solutions
- Reliability – Energy – Environmental Solutions
- Improve comfort and operating efficiency

Trane Chiller Health Check Program



- Inspect chiller operating conditions
- Evaluate basic and critical parameters
- Recommend upgrade and improvement solutions

Trane Intelligent Services



- Remote monitoring with professional advantage
- Address key operational challenges
- Critical alarm management and event log

Trane Service Agreements



- Planned maintenance
- Minimize downtime and extend equipment life
- Reduce operating costs

Trane Rental Services



- Temporary cooling solutions
- Reliable equipment and fast service
- All building purposes



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Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice. Trane bvba, Lenneke Marelaan 6, 1932 Sint-Stevens-Woluwe, Belgium, ON 0888.048.262 - RPR Brussels

We are committed to using environmentally conscious print practices that reduce waste.

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SRV-SLB170-E4 January 2014