



**TRANE**<sup>®</sup>

# Trane Heat Recovery Solutions

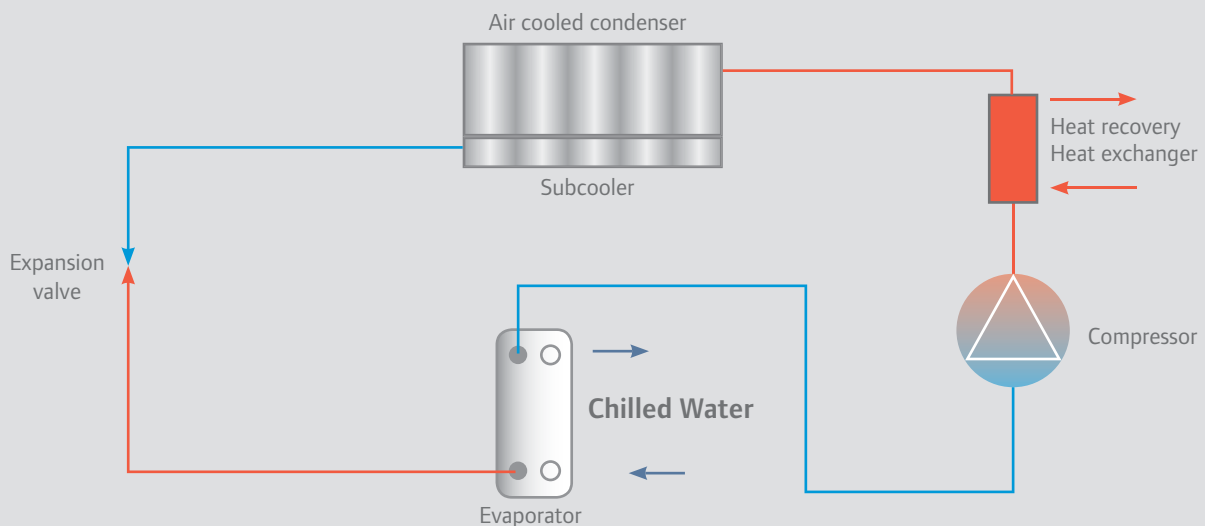
## Upgrade and optimize your scroll chillers

### Energy costs hurt your bottom line

The Trane scroll chiller that keeps your facility cool and comfortable needs energy to operate. Because energy costs rise continuously, your bottom line is always under pressure. What you may not know is that your Trane scroll chiller can be upgraded to recover lost heat and so reduce its cost of operation and your environmental footprint.



### Refrigerant circuit diagram



### Free energy – the secret of heat recovery

Your air cooled scroll chiller extracts heat from your facility and rejects it into the atmosphere. Trane heat recovery solutions can capture part of this lost heat and thus save up to 65 % of the energy that your chiller consumes.

### How it works

A purpose-designed heat exchanger is installed in the chiller that collects the heat created by the chiller power input. This recovered energy is then made available to use in your facility.

## Heat exchanger retrofit external view



## Heat exchanger retrofit internal view



## Trane return on investment calculation



## Free energy for your facility

The Trane heat exchanger is engineered to facilitate connection to your site water circuit. Its design optimizes recovery capacity while maintaining the original system performance and reliability.

The energy you recover can be used for space heating, defrosting or to preheat water in boilers.

## Return on investment

Trane heat recovery solutions include a full return on investment calculation. This takes into account the specific operating conditions of your building such as load type, operating hours and year-long temperature profile. The calculation will provide energy saving simulations and calculate payback time for your investment.

Local regulatory authorities in many countries offer financial incentives to installations with heat recovery systems. In that case the return on investment may be even more attractive.

## Next steps

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



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