

# ClimaCheck Sweden AB

IMPROVED  
ENERGY EFFICIENCY

HIGH  
RELIABILITY

REDUCED  
ENVIRONMENTAL  
IMPACT



# The Company

- Founded in 2004
- Office in Nacka Stockholm
- Export to more than 15 countries
- High level of tech. support



# ClimaCheck

Equipment for analysing performance  
of Refrigeration and heat pump systems



Portable unit

Fixed unit

# Applications ClimaCheck

- Manufacturing-Developement and testing.
- Commisioning of cooling and heat pump systems.
- Performance analysing-optimisation.
- Inspections
- Preemptive maintance.
- Trouble shooting.
- Basis – energy saving measures
- Surveillance:  
Indication of upcoming problems and energy consumption statistics.

# ClimaCheck

Commissioning

**Cooling and heat pump systems**



Web: [www.climacheck.com](http://www.climacheck.com)

# ClimaCheck

## Commissioning with ClimaCheck

- Correct documentation of operational data
- Adjusted parameters and operation according to manufacturers spec.
- Fullfills demands from authorities and manufacturers



# Commissioning Cooling and heat pump systems

By measuring:

- High pressure
- Low pressure
- Liquid temperature
- Suction gas temperature
- Hot gas temperature
- Active Power



...you get:

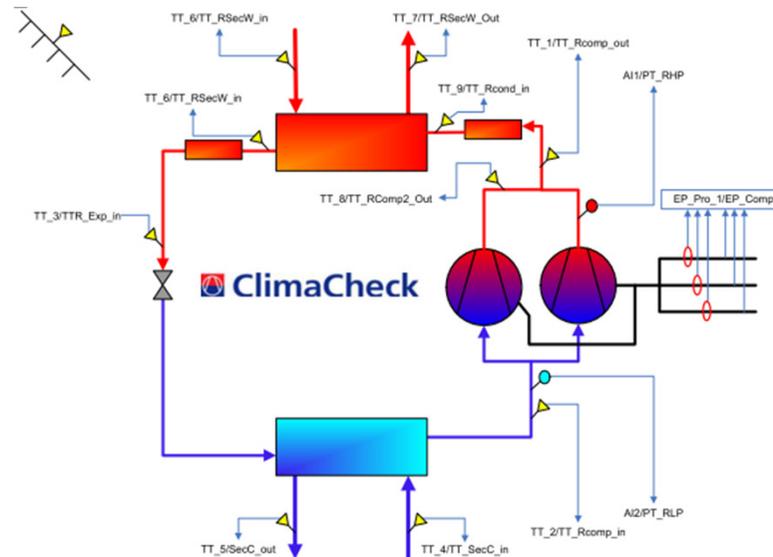
- Capacity
- COP
- EER
- Compressor efficiency
- Superheat
- Subcooling

There is more information to  
recieve...

# Commissioning Cooling and heat pump systems

Further measuring points:

- High pressure
- Low pressure
- Liquid temperature
- Suction gas temperature
- Hot gas temperature
- Compressor energy supply
- Coolant temperature
- Brine Temperature
- Subcooler
- Hot gas HEX
- Compressor cooling
- Outdoor temperature
- Etc..





# Alternatives



## Portable unit:

- Commissioning and service of multiple units.
- Connected to PC or Web server



## Fixed unit:

- Continuous monitoring of units
- Connected to PC or Web server
- Energy statistics over time
- Early warnings
- Service log on WEB

# AWARDS

